

9698I

CORE LIST

United States ^{Reserve}
Department of
Agriculture

Agricultural
Research
Service

Plant Inventory No. 187

Plant Material Introduced
January 1 to December 31, 1979
(Nos. 431464 to 436990)

GENERAL SERIAL RECORDS

AUG 23 '82

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The computer-generated Plant Inventory No. 187 has a "new look." Future issues should be published on a more timely basis and at a much lower printing and reproduction cost than previously. Questions about data organization and proper plant identification should be directed to the author. This inventory is a historical record of accessioned plant germplasm; it is not a listing of plant material for distribution.

Appreciation is expressed to the following persons associated with the Plant Introduction Office for their significant contributions to this publication: S. Kenworthy, for initial organization of information and spacing for computer fields and for coordinating PI and associated records--contributions that will apply to future inventories; L. G. Garner, for maintenance of the PI master file integrity, data input, and output review; R. A. Norris, for data input, output review, and related activities; L. Paulson, for data organization and plant nomenclature; and S. Drexler, for complete nomenclature review.

Various members of the Communications and Data Services Division assisted with hardware procurement and prepared the software programs for the PI documentation system. Special thanks are extended to J. Mowder of CDSO for his prompt "trouble shooting" during 1979 that contributed greatly to the efficient operation of the new computer system.

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Beltsville, Maryland 20705
U.S.A.

Issued April 1982

431464. *Oryza sativa* L. (Poaceae) Rice.

From Dominican Republic. Donated by Organizacion de las Naciones Unidas (FAO), Para la Agricultura y la Alimentacion, Santa Domingo. Received February 1979.

Canilla. Annual. Cultivated. Breeding material. Seed.

431465 TO 431499. *Oryza sativa* L. (Poaceae) Rice.

From Philippines. Donated by The International Rice Research Institute, Manila. Received February 1979.

431465. IRRI 6143. FR 43 B. India. Annual. Cultivated. Breeding material. Seed.

431466. IRRI 6144. FR 13 A. India. Annual. Cultivated. Breeding material. Seed.

431467. IRRI 6494. Bagiamon 349. Bangladesh. Annual. Cultivated. Breeding material. Seed.

431468. IRRI 6498. Katia Bagder. Bangladesh. Annual. Cultivated. Breeding material. Seed.

431469. IRRI 6522. Badal 406. Bangladesh. Annual. Cultivated. Breeding material. Seed.

431470. IRRI 6537. Laki 488. Bangladesh. Annual. Cultivated. Breeding material. Seed.

431471. IRRI 6543. Dholamon 50/14. Bangladesh. Annual. Cultivated. Breeding material. Seed.

431472. IRRI 6552. Laramon 720. Bangladesh. Annual. Cultivated. Breeding material. Seed.

431473. IRRI 6563. Gowai 84. Bangladesh. Annual. Cultivated. Breeding material. Seed.

431474. IRRI 6597. Dholamon 39/3. Bangladesh. Annual. Cultivated. Breeding material. Seed.

431475. IRRI 6624. Laki 146. Bangladesh. Annual. Cultivated. Breeding material. Seed.

431476. IRRI 6626. Khama 8. Bangladesh. Annual. Cultivated. Breeding material. Seed.

431477. IRRI 6630. Dholamon 560. Bangladesh. Annual. Cultivated. Breeding material. Seed.

431465 TO 431499-continued

431478. IRR I 7096. Cula. Viet-Nam, Republic of. Annual. Cultivated. Breeding material. Seed.
431479. IRR I 7819. Leb Mue Nahng 111. Thailand. Annual. Cultivated. Breeding material. Seed.
431480. IRR I 7887. Pin Gaew 56. Thailand. Annual. Cultivated. Breeding material. Seed.
431481. IRR I 11366. IR-442-2-58-2-1-2. Philippines. Annual. Cultivated. Breeding material. Seed.
431482. IRR I 11473. Jek Chuey 159. Thailand. Annual. Cultivated. Breeding material. Seed.
431483. IRR I 11750. Habiganj DW2. Pakistan. Annual. Cultivated. Breeding material. Seed.
431484. IRR I 11933. Habiganj Amon II. Pakistan. Annual. Cultivated. Breeding material. Seed.
431485. IRR I 16953. Neang Khien (R 2-1073). Thailand. Khmer. Annual. Cultivated. Breeding material. Seed.
431486. IRR I 16954. Neang Lay (R 2-1-73). Thailand. Khmer. Annual. Cultivated. Breeding material. Seed.
431487. IRR I 16959. Sran Kraham (R 26-12-72). Cambodia. Annual. Cultivated. Breeding material. Seed.
431488. IRR I 16960. Suon Lory (R 26-12-72). Thailand. Khmer. Annual. Cultivated. Breeding material. Seed.
431489. IRR I 16961. Vear Krachak (R 2-1-73). Thailand. Khmer. Annual. Cultivated. Breeding material. Seed.
431490. IRR I 16962. Vear Sar (R 26-12-72). Thailand. Khmer. Annual. Cultivated. Breeding material. Seed.
431491. IRR I 20288. ARC 5955. India. Annual. Cultivated. Breeding material. Seed.
431492. IRR I 24132. DW 6255. India. Annual. Cultivated. Breeding material. Seed.
431493. IRR I 24225. Khao Hawm. Thailand. Annual. Cultivated. Breeding material. Seed.
431494. IRR I 24229. Sai Bur. Thailand. Annual. Cultivated. Breeding material. Seed.
431495. IRR I 24242. ARC 614. India. Annual. Cultivated. Breeding

431465 TO 431499—continued
material. Seed.

431496. IRRI 24244. Dhala Badal. India. Annual. Cultivated.
Breeding material. Seed.

431497. IRRI 24245. Kalar Harsall. India. Annual. Cultivated.
Breeding material. Seed.

431498. IRRI 39168. BKN 6986-66-2. Thailand. Annual. Cultivated.
Breeding material. Seed.

431499. IRRI 39177. BKN 6987-68-14. Thailand. Annual. Cultivated.
Breeding material. Seed.

431500. *Solanum infundibuliforme* Phil. (Solanaceae).

From Argentina. Collected by K. A. Okada, INTA Estacion
Experimental de Balcarce, Balcarce.
Received February 1979.

OKA 3850. Argentina. Balcarce. INTA Estacion
Experimental de Balcarce. BAL 7179. Collected April 04,
1971. Jujuy Province, Yavi area 12 km east of La Quiaca
on road to Tafna. 3560m. Wild. Seed.

431501. *Carya cathayensis* Sargent (Juglandaceae) Cathay hickory.

From China, Peoples Repub of. Collected by Chi-Shan Cheng,
Chekiang Forestry College, Hangchow.
Received February 1979.

Linan County, Chekiang Province. 200-700m. PH7.2-7.6.
250 seeds/kg. Tree. Wild. Seed.

431502 TO 431569. *Helianthus annuus* L. (Asteraceae) Sunflower.

From United States. Donated by W. W. Roath, U. S. Department of
Agriculture, North Dakota State University, Fargo, North Dakota.

431502. PL 7937-175. Poland. Annual. Cultivated. Breeding
material. Seed.

431503. T 6461-1-1. Poland. Annual. Cultivated. Breeding
material. Seed.

431504. T 6463-1-1. Poland. Annual. Cultivated. Breeding
material. Seed.

431505. T 6547-1-1. Poland. Annual. Cultivated. Breeding
material. Seed.

431502 TO 431569-continued

431506. T 6551-1-2. Poland. Annual. Cultivated. Breeding material. Seed.
431507. T 6556-1-2. Poland. Annual. Cultivated. Breeding material. Seed.
431508. T 6558-1-1. Poland. Annual. Cultivated. Breeding material. Seed.
431509. Citroka Super Elite. Rhodesia. Annual. Cultivated. Breeding material. Seed.
431510. Saffola 113. Rhodesia. Annual. Cultivated. Breeding material. Seed.
431511. VKM 833. Rhodesia. Annual. Cultivated. Breeding material. Seed.
431512. A3497 7/1-1. Romania. Annual. Cultivated. Breeding material. Seed.
431513. Romsun ADV-946. Romania. Annual. Cultivated. Breeding material. Seed.
431514. Romsun C-5357. Romania. Annual. Cultivated. Breeding material. Seed.
431515. CVR 3304. Romania. Annual. Cultivated. Breeding material. Seed.
431516. Romsun N-2-2004. Romania. Annual. Cultivated. Breeding material. Seed.
431517. Romsun O.P. 9573. Romania. Annual. Cultivated. Breeding material. Seed.
431518. Romsun P-1384. Romania. Annual. Cultivated. Breeding material. Seed.
431519. Romsun V-337. Romania. Annual. Cultivated. Breeding material. Seed.
431520. Romsun V-1324. Romania. Annual. Cultivated. Breeding material. Seed.
431521. Romsun V-1352. Romania. Annual. Cultivated. Breeding material. Seed.
431522. Romsun V-1646. Romania. Annual. Cultivated. Breeding material. Seed.
431523. 46-48 VK-1. Soviet Union. Annual. Cultivated. Breeding

431502 TO 431569-continued

material. Seed.

431524. 46 VK-2. Soviet Union. Annual. Cultivated. Breeding material. Seed.
431525. 42-44 VK-6. Soviet Union. Annual. Cultivated. Breeding material. Seed.
431526. 40-42 VK-9. Soviet Union. Annual. Cultivated. Breeding material. Seed.
431527. 42-43 VK-10. Soviet Union. Annual. Cultivated. Breeding material. Seed.
431528. 40-44 VK-25. Soviet Union. Annual. Cultivated. Breeding material. Seed.
431529. 43-48 VK-32. Soviet Union. Annual. Cultivated. Breeding material. Seed.
431530. 44-48 VK-41. Soviet Union. Annual. Cultivated. Breeding material. Seed.
431531. 45-47 VK-47. Soviet Union. Annual. Cultivated. Breeding material. Seed.
431532. 40-42 VK-53. Soviet Union. Annual. Cultivated. Breeding material. Seed.
431533. 51 VK-63. Soviet Union. Annual. Cultivated. Breeding material. Seed.
431534. A 3497 2/4-1. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
431535. A 9343 2/3-3. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
431536. B-11. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
431537. B-12. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
431538. D-75-4. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
431538. D-75-5. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
431540. D-75-6. Yugoslavia. Annual. Cultivated. Breeding material. Seed.

431502 TO 431569-continued

- 431541.** D-75-8. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431542.** D-75-10. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431543.** D-75-11. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431544.** D-75-12. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431545.** D-75-15. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431546.** D-75-16. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431547.** H 1/6-3. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431548.** N 2/1-3. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431549.** N 3/2-1. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431550.** N 35/2-2. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431551.** NS 4/1-1. Yugoslavia. Pericarp black. Annual. Cultivated. Breeding material. Seed.
- 431552.** NS 4/1-1. Yugoslavia. Pericarp striped. Annual. Cultivated. Breeding material. Seed.
- 431553.** NS 7/4-1. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431554.** NS-B-16-58/2. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431555.** NS-B-16-59/2. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431556.** NS-B-16-61/2. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431557.** NS-B-16-61/6. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431558.** NS-B-16-63/1. Yugoslavia. Annual. Cultivated. Breeding material. Seed.

431502 TO 431569-continued

material. Seed.

- 431559. NS-B-16-64/3. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431560. PO 6/4-2. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431561. PO 19/1-1. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431562. PO 30/3-1. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431563. R-201/4. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431564. RHS-M-1. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431565. V 1640 1/2-2. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431566. V 6540 4/7-1. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431567. V 8883 4/1-1. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431568. V 8883 4/2-1. Yugoslavia. Annual. Cultivated. Breeding material. Seed.
- 431569. V 8931 2/2-1. Yugoslavia. Annual. Cultivated. Breeding material. Seed.

431570 TO 431574. Brassica napus L. (Brassicaceae) Rape.

From Canada. Donated by A. J. Klassen, Research Station,
Agriculture Canada, Saskatoon, Saskatchewan.

Received February 1979.

- 431570. 'Candle'. Winter annual. Cultivated. Cultivar. Seed.
- 431571. 'Midas'. Winter annual. Cultivated. Cultivar. Seed.
- 431572. 'Regent'. Winter annual. Cultivated. Cultivar. Seed.
- 431573. 'Torch'. Winter annual. Cultivated. Cultivar. Seed.
- 431574. 'Tower'. Winter annual. Cultivated. Cultivar. Seed.

431575. *Panicum virgatum* L. (Poaceae) Switchgrass.

From United States. Held by Quicksand Plant Material Center, Soil Conservation Service, U.S. Department of Agriculture, Quicksand, Kentucky.

Received February 1979.

KY-1625. Collected January 1973. Originally from Raleigh County, West Virginia. AM-3535. Wild. Seed.

431576 TO 431578. *Brassica oleracea* var. *botrytis* L. (Brassicaceae) Cauliflower.

From India. Donated by National Bureau of Plant Genetic Resources, Indian Council of Agricultural Research, New Delhi.

Received December 1978.

431576. Pusa Deep Ali. Annual. Cultivated. Seed.

431577. Pusa Snowball-2. Annual. Cultivated. Seed.

431578. Snowball-1. Annual. Cultivated. Seed.

431579 TO 431580. *Citrullus lanatus* (Thunb.) Matsum. & Nakai (Cucurbitaceae) Watermelon.

From India. Donated by National Bureau of Plant Genetic Resources, Indian Council of Agricultural Research, New Delhi.

Received December 1978.

431579. Pusa Rasal. Annual. Cultivated. Seed.

431580. Tetra-2. Annual. Cultivated. Seed.

431581. *Cucumis melo* L. (Cucurbitaceae) Muskmelon.

From India. Donated by National Bureau of Plant Genetic Resources, Indian Council of Agricultural Research, New Delhi.

Received December 1979.

Pusa Sharbati. Annual. Cultivated. Seed.

431582. *Cucurbita moschata* (Duch.) Duch. ex Poir. (Cucurbitaceae) Squash.

From India. Donated by National Bureau of Plant Genetic Resources, Indian Council of Agricultural Research, New

431582-continued

Delhi.

Received December 1978.

Pusa Alankar. Annual. Cultivated. Seed.

431583 TO 431585. *Lycopersicon esculentum* Mill. (Solanaceae) Tomato.

From India. Donated by National Bureau of Plant Genetic Resources, Indian Council of Agricultural Research, New Delhi.

431583. Pusa Red Plum. Annual. Cultivated. Seed.

431584. Pusa Ruby. Annual. Cultivated. Seed.

431585. Sl. 120. Annual. Cultivated. Seed.

431586. *Ailanthus altissima* (Mill.) Swingle (Simaroubaceae) Tree-of-heaven.

From China, Peoples Repub of. Donated by Ying-Chiang Hou, Forestry Research Institute of Kwangtung Province, Saho, Canton.

Received January 1979.

Collected 1978 from plain region in Peking. 100m. Tree. Wild. Seed.

431587. *Pinus armandii* Franch. (Pinaceae).

From China, Peoples Repub of. Donated by Ying-Chiang Hou, Forestry Research Institute of Kwangtung Province, Saho, Canton.

Received January 1979.

Collected 1978 from Peking. 800m. Tree. Wild. Seed.

431588. *Pinus massoniana* Lamb. (Pinaceae).

From China, Peoples Repub of. Donated by Ying-Chiang Hou, Forestry Research Institute of Kwangtung Province, Saho, Canton.

Received January 1979.

Collected November 1978. Northeastern Region of Kwangtung Province. 100m. Tree. Wild. Seed.

431589. *Pinus tabuliformis* Carriere (Pinaceae) Chinese pine.

From China, Peoples Repub of. Donated by Ying-Chiang Hou, Forestry Service Institute of Kwangtung Province, Saho, Canton.

Received January 1979.

Collected from Peking. 300m. Tree. Wild. Seed.

431590. *Platycladus orientalis* (L.) Franco (Cupressaceae) Oriental arborvitae.

From China, Peoples Repub of. Donated by Ying-Chiang Hou, Forestry Research Institute of Kwangtung Province, Saho, Canton.

Received January 1979.

Collected 1978 from Peking. 300m. Tree. Wild. Seed.

431591. *Triticum aestivum* L. (Poaceae) Common wheat.

From Mexico. Donated by Maximino Alcala, International Maize and Wheat Improvement Center(CIMMYT), Mexico 6, D. F.

Received February 1979.

'Morocco'. Annual. Cultivated. Cultivar. Seed.

431592. *Sorghum bicolor* (L.) Moench (Poaceae) Grain sorghum.

From India. Donated by K. E. Prasada Rao, International Crops Research Institute for the Semi-Arid Tropics(ICRISAT), Hyderabad-500 016, A. P.

Received February 1979.

I.S. 1588. Originally Co 11 from Coimbatore. See PI 258805(CPI 13605). Short duration fodder strain. Annual. Cultivated. Breeding material. Seed.

431593 TO 431597. *Diospyros kaki* L. f. (Ebenaceae) Kaki persimmon.

From Soviet Union. Donated by N.I. Vavilov Institute of Plant Industry, Leningrad.

Received February 1979.

431593. Mazu-gaki. Turkmenian SSR. Tree. Cultivated. Seed.

431594. Opylitel 48. Turkmenian SSR. Tree. Cultivated. Seed.

431595. Sejanec Hiakume. Turkmenian SSR. Tree. Cultivated. Seed.

431593 TO 431597--continued

431596. Zaria 181. Turkmenian SSR. Tree. Cultivated. Seed.

431597. Zendzi. Turkmenian SSR. Tree. Cultivated. Seed.

431598 TO 431600. Aegilops tauschii Coss. (Poaceae).

From Soviet Union. Donated by N. I. Vavilov Institute of Plant Industry, Leningrad.
Received February 1979.

431598. VIR 33. Turkmenian SSR. Annual. Wild. Seed.

431599. VIR 109. Azerbaijan SSR. Annual. Wild. Seed.

431600. VIR 246. Daghestan ASSR. Annual. Wild. Seed.

431601 TO 431603. Aegilops tauschii subsp. strangulata (Eig) Tzvel. (Poaceae).

From Soviet Union. Donated by N. I. Vavilov Institute of Plant Industry, Leningrad.
Received February 1979.

431601. VIR 299. USSR. Annual. Wild. Seed.

431602. VIR 433. Turkmenian SSR. Annual. Wild. Seed.

431603. VIR 467. Azerbaijan SSR. Winter annual. Wild. Seed.

431604. Capsicum annuum L. (Solanaceae).

From Ecuador. Donated by H. M. Munger, Department of Plant Breeding and Biometry, Cornell University, Ithaca, New York.
Received January 1979.

Collected July 01, 1978. Pepper field, village of Pimampiro near Otavalo. Field heavily infected with virus. Seed from eight plants free of virus symptoms. Received as aji, hot pepper. Annual. Cultivated. Seed.

431605 TO 431606. Cajanus cajan (L.) Buth (Fabaceae) Pigeon pea.

From Trinidad and Tobago. Donated by J. A. Spencer, Grain Legume Program, Faculty of Agriculture, University of West Indies, St. Augustine.
Received January 1979.

431605. UW-17. Cultivated. Breeding material. Seed.

431605 TO 431606-continued

431606. UW-26. Cultivated. Breeding material. Seed.

431607 TO 432290. *Lens culinaris* Medik. (Fabaceae) Lentil.

**From Iran. Donated by K. H. Evans, Tehran. Received through Regional Pulse Improvement Project. Code numbers refer to assignments originally made in India.
Received March 1979.**

431607. 33-002-10468. Seed.

431608. 33-032-10127. Seed.

431609. 33-032-11143. Seed.

431610. 33-039-10124. Seed.

431611. 33-071-10117. Seed.

431612. 33-071-10118. Seed.

431613. 33-071-10119. Seed.

431614. 33-071-10131. Seed.

431615. 33-071-10134. Seed.

431616. 33-071-10135. Seed.

431617. 33-071-10138. Seed.

431618. 33-071-10139. Seed.

431619. 33-071-10141. Seed.

431620. 33-071-10146. Seed.

431621. 33-071-10147. Seed.

431622. 33-071-10151. Seed.

431623. 33-071-10166. Seed.

431624. 33-071-10168. Seed.

431625. 33-071-10170. Seed.

431626. 33-071-10174. Seed.

431627. 33-071-10176. Seed.

431607 TO 432290-continued

431628. 33-071-10177. Seed.
431629. 33-071-10178. Seed.
431630. 33-071-10179. Seed.
431631. 33-071-10181. Seed.
431632. 33-071-10182. Seed.
431633. 33-071-10233. Seed.
431634. 33-071-10406. Seed.
431635. 33-071-10407. Seed.
431636. 33-071-10408. Seed.
431637. 33-071-10409. Seed.
431638. 33-071-10410. Seed.
431639. 33-071-10411. Seed.
431640. 33-071-10413. Seed.
431641. 33-071-10414. Seed.
431642. 33-071-10415. Seed.
431643. 33-071-10417. Seed.
431644. 33-071-10418. Seed.
431645. 33-071-10419. Seed.
431646. 33-071-10420. Seed.
431647. 33-071-10421. Seed.
431648. 33-071-10422. Seed.
431649. 33-071-10423. Seed.
431650. 33-071-10424. Seed.
431651. 33-071-10425. Seed.
431652. 33-071-10426. Seed.
431653. 33-071-10427. Seed.

431607 TO 432290-continued

- 431654. 33-071-10428. Seed.
- 431655. 33-071-10429. Seed.
- 431656. 33-071-10430. Seed.
- 431657. 33-071-10432. Seed.
- 431658. 33-071-10434. Seed.
- 431659. 33-071-10435. Seed.
- 431660. 33-071-10437. Seed.
- 431661. 33-071-10438. Seed.
- 431662. 33-071-10439. Seed.
- 431663. 33-071-10440. Seed.
- 431664. 33-071-10441. Seed.
- 431665. 33-071-10442. Seed.
- 431666. 33-071-10443. Seed.
- 431667. 33-071-10444. Seed.
- 431668. 33-071-10445. Seed.
- 431669. 33-071-10446. Iran. Karaj. Ministry of Agriculture. 64-3(s). Seed.
- 431670. 33-071-10447. Iran. Karaj. Ministry of Agriculture. 64-9(s). Seed.
- 431671. 33-071-10448. Iran. Karaj. Ministry of Agriculture. 64-11(s). Seed.
- 431672. 33-071-10449. Iran. Karaj. Ministry of Agriculture. 64-15(s). Seed.
- 431673. 33-071-10451. Iran. Karaj. Ministry of Agriculture. 64-21(s). Seed.
- 431674. 33-071-10452. Iran. Karaj. Ministry of Agriculture. 64-22(s). Seed.
- 431675. 33-071-10454. Iran. Ghazin. Ministry of Agriculture. 64-38(s). Seed.
- 431676. 33-071-10455. Iran. Ghazin. Ministry of Agriculture. 64-

431607 TO 432290-continued
40(s). Seed.

431677. 33-071-10456. Iran. Bandar Fars. Ministry of Agriculture.
64-42. Seed.
431678. 33-071-10457. Iran. Esfahan. 65-43. Seed.
431679. 33-071-10458. Egypt. 64-44. Seed.
431680. 33-071-10459. Iran. Karaj. Ministry of Agriculture.
(#64) 64-46. Seed.
431681. 33-071-10462. Iran. Torbat Haidari. (#214) 64-63. Seed.
431682. 33-071-10463. Iran. Torbat Haidari. 64-66. Seed.
431683. 33-071-10464. Iran. Ardebil. (#69) 64-68. Seed.
431684. 33-071-10473. Iran. Karaj. Ministry of Agriculture. 5-
64(s). Seed.
431685. 33-071-10474. Iran. Karaj. Ministry of Agriculture. 8-
64(s). Seed.
431686. 33-071-10477. Iran. Shushtar. Ministry of Agriculture.
186-93. Seed.
431687. 33-071-10478. Iran. Shushtar. Ministry of Agriculture.
186-56. Seed.
431688. 33-071-10479. Iran. Shushtar. Ministry of Agriculture.
186-78. Seed.
431689. 33-071-10480. Iran. Shushtar. Ministry of Agriculture.
187-66. Seed.
431690. 33-071-10481. Iran. Shushtar. Ministry of Agriculture.
187-71. Seed.
431691. 33-071-10482. Iran. 187-71. Seed.
431692. 33-071-10483. Iran. Shushtar. Ministry of Agriculture.
187-89. Seed.
431693. 33-071-10484. Iran. Shushtar. Ministry of Agriculture.
187-100. Seed.
431694. 33-071-10486. Iran. Bandar Fars. Ministry of Agriculture.
188-40. Seed.
431695. 33-071-10487. Iran. Bandar Fars. Ministry of Agriculture.
188-25. Seed.

431607 TO 432290-continued

431696. 33-071-10488. Iran. Bandar Fars. Ministry of Agriculture.
188-14. Seed.
431697. 33-071-10489. Iran. Seed.
431698. 33-071-10490. Iran. Seed.
431699. 33-071-10491. Iran. Seed.
431700. 33-071-10492. Iran. Seed.
431701. 33-071-10493. Iran. Bandar Fars. Ministry of Agriculture.
188-2. Seed.
431702. 33-071-10494. Iran. Bandar Fars. Ministry of Agriculture.
188-4. Seed.
431703. 33-071-10495. Iran. Seed.
431704. 33-071-10496. Iran. Bandar Fars. Ministry of Agriculture.
188-44. Seed.
431705. 33-071-10497. Seed.
431706. 33-071-10498. Iran. Bandar Fars. Ministry of Agriculture.
188-45(65). Seed.
431707. 33-071-10499. Iran. Bandar Fars. Ministry of Agriculture.
188-29(65). Seed.
431708. 33-071-10500. Iran. Bandar Fars. Ministry of Agriculture.
188-28(65). Seed.
431709. 33-071-10501. Iran. Bandar Fars. Ministry of Agriculture.
188-27. Seed.
431710. 33-071-10502. Iran. Bandar Fars. Ministry of Agriculture.
188-32. Seed.
431711. 33-071-10503. Iran. Bandar Fars. Ministry of Agriculture.
188-63. Seed.
431712. 33-071-10504. Seed.
431713. 33-071-10505. Iran. Bandar Fars. Ministry of Agriculture.
188-59. Seed.
431714. 33-071-10506. Iran. Seed.
431715. 33-071-10507. Iran. Bandar Fars. Ministry of Agriculture.
188-76. Seed.

431607 TO 432290-continued

431716. 33-071-10508. Iran. Bandar Fars. Ministry of Agriculture. 188-55. Seed.
431717. 33-071-10509. Iran. Bandar Fars. Ministry of Agriculture. 188-55(s)(65). Seed.
431718. 33-071-10510. Iran. Seed.
431719. 33-071-10511. Iran. Bandar Fars. Ministry of Agriculture. 188-51. Seed.
431720. 33-071-10512. Iran. Bandar Fars. Ministry of Agriculture. 188-9. Seed.
431721. 33-071-10513. Iran. Bandar Fars. Ministry of Agriculture. 186-6. Seed.
431722. 33-071-10514. Iran. Bandar Fars. Ministry of Agriculture. 188-91. Seed.
431723. 33-071-10515. Iran. Bandar Fars. Ministry of Agriculture. 188-83. Seed.
431724. 33-071-10516. Iran. Bandar Fars. Ministry of Agriculture. 188-70. Seed.
431725. 33-071-10517. Iran. Bandar Fars. Ministry of Agriculture. 188-70(s)(65). Seed.
431726. 33-071-10518. Iran. Bandar Fars. Ministry of Agriculture. 188-74. Seed.
431727. 33-071-10519. Iran. Bandar Fars. Ministry of Agriculture. 188-77. Seed.
431728. 33-071-10520. Iran. Bandar Fars. Ministry of Agriculture. 188-72. Seed.
431729. 33-071-10521. Iran. Bandar Fars. Ministry of Agriculture. 188-81(s)(65). Seed.
431730. 33-071-10522. Iran. Bandar Fars. Ministry of Agriculture. 188-80(s)(65). Seed.
431731. 33-071-10523. Iran. Bandar Fars. Ministry of Agriculture. 188-84. Seed.
431732. 33-071-10524. Iran. Bandar Fars. Ministry of Agriculture. 188-93(s)(65). Seed.
431733. 33-071-10525. Iran. Bandar Fars. Ministry of Agriculture. 188-86(s)(65). Seed.

431607 TO 432290--continued

431734. 33-071-10526. Iran. Bandar Fars. Ministry of Agriculture.
188-100. Seed.
431735. 33-071-10527. Iran. Seed.
431736. 33-071-10528. Iran. Bandar Fars. Ministry of Agriculture.
188-98(s)(65). Seed.
431737. 33-071-10529. Iran. Seed.
431738. 33-071-10530. Iran. Bandar Fars. Ministry of Agriculture.
188-22(s)(65). Seed.
431739. 33-071-10531. Iran. Bandar Fars. Ministry of Agriculture.
188-36. Seed.
431740. 33-071-10532. Iran. Bandar Fars. Ministry of Agriculture.
188-17. Seed.
431741. 33-071-10533. Iran. Bandar Fars. Ministry of Agriculture.
188-19. Seed.
431742. 33-071-10534. Iran. Bandar Fars. Ministry of Agriculture.
188-13. Seed.
431743. 33-071-10535. Iran. Bandar Fars. Ministry of Agriculture.
188-53. Seed.
431744. 33-071-10536. Iran. Bandar Fars. Ministry of Agriculture.
188-56. Seed.
431745. 33-071-10537. Iran. Bandar Fars. Ministry of Agriculture.
188-61. Seed.
431746. 33-071-10538. Iran. Bandar Fars. Ministry of Agriculture.
188-62. Seed.
431747. 33-071-10539. Iran. Bandar Fars. Ministry of Agriculture.
188-67. Seed.
431748. 33-071-10540. Iran. Esfahan. Ministry of Agriculture.
189-63. Seed.
431749. 33-071-10541. Iran. Esfahan. Ministry of Agriculture.
189-88. Seed.
431750. 33-071-10542. Iran. Esfahan. Ministry of Agriculture.
188-81. Seed.
431751. 33-071-10543. Iran. Esfahan. Ministry of Agriculture.
189-97. Seed.

431607 TO 432290-continued

431752. 33-071-10544. Iran. Seed.
431753. 33-071-10545. Iran. Seed.
431754. 33-071-10546. Iran. Esfahan. Ministry of Agriculture. 189-48(s). Seed.
431755. 33-071-10547. Iran. Esfahan. Ministry of Agriculture. 189-47. Seed.
431756. 33-071-10548. Iran. Esfahan. Ministry of Agriculture. 189-42. Seed.
431757. 33-071-10549. Iran. Seed.
431758. 33-071-10551. Iran. Esfahan. Ministry of Agriculture. 189-51. Seed.
431759. 33-071-10552. Iran. Esfahan. Ministry of Agriculture. 189-59. Seed.
431760. 33-071-10553. Iran. Esfahan. Ministry of Agriculture. 189-57. Seed.
431761. 33-071-10557. Iran. Esfahan. Ministry of Agriculture. 189-46. Seed.
431762. 33-071-10559. Iran. Esfahan. Ministry of Agriculture. 190-98(s). Seed.
431763. 33-071-10560. Iran. Seed.
431764. 33-071-10574. Iran. Karaj. Ministry of Agriculture. 192-89. Seed.
431765. 33-071-10575. Iran. Karaj. Ministry of Agriculture. 192-83. Seed.
431766. 33-071-10576. Iran. Karaj. Ministry of Agriculture. 192-94. Seed.
431767. 33-071-10577. Iran. Karaj. Ministry of Agriculture. 192-90. Seed.
431768. 33-071-10578. Iran. Karaj. Ministry of Agriculture. 192-37. Seed.
431769. 33-071-10579. Iran. Karaj. Ministry of Agriculture. 192-27. Seed.
431770. 33-071-10580. Iran. Karaj. Ministry of Agriculture. 192-29. Seed.

431607 TO 432290-continued

- 431771.** 33-071-10581. Iran. Seed.
- 431772.** 33-071-10582. Iran. Karaj. Ministry of Agriculture. 192-48. Seed.
- 431773.** 33-071-10583. Iran. Seed.
- 431774.** 33-071-10584. Iran. Karaj. Ministry of Agriculture. 192-80. Seed.
- 431775.** 33-071-10585. Iran. Karaj. Ministry of Agriculture. 192-70. Seed.
- 431776.** 33-071-10586. Iran. Karaj. Ministry of Agriculture. 192-78. Seed.
- 431777.** 33-071-10587. Iran. Karaj. Ministry of Agriculture. 192-62. Seed.
- 431778.** 33-071-10588. Iran. Karaj. Ministry of Agriculture. 192-67. Seed.
- 431779.** 33-071-10601. Iran. Seed.
- 431780.** 33-071-10603. Iran. Seed.
- 431781.** 33-071-10609. Iran. Seed.
- 431782.** 33-071-10611. Iran. Karaj. Ministry of Agriculture. 193-55. Seed.
- 431783.** 33-071-10613. Iran. Karaj. Ministry of Agriculture. 193-52. Seed.
- 431784.** 33-071-10614. Iran. Karaj. Ministry of Agriculture. 193-25. Seed.
- 431785.** 33-071-10615. Iran. Karaj. Ministry of Agriculture. 193-70. Seed.
- 431786.** 33-071-10616. Iran. Karaj. Ministry of Agriculture. 193-74. Seed.
- 431787.** 33-071-10617. Iran. Karaj. Ministry of Agriculture. 193-80. Seed.
- 431788.** 33-071-10618. Iran. Karaj. Ministry of Agriculture. 190-85. Seed.
- 431789.** 33-071-10620. Iran. Arasbaran. Ministry of Agriculture. 194-21. Seed.

431607 TO 432290-continued

431790. 33-071-10621. Iran. Arasbaran. Ministry of Agriculture. 194-24. Seed.
431791. 33-071-10622. Iran. Arasbaran. Ministry of Agriculture. 194-28. Seed.
431792. 33-071-10623. Iran. Arasbaran. Ministry of Agriculture. 194-28(s)(65). Seed.
431793. 33-071-10624. Iran. Arasbaran. Ministry of Agriculture. 194-57. Seed.
431794. 33-071-10625. Iran. Arasbaran. Ministry of Agriculture. 194-60. Seed.
431795. 33-071-10626. Iran. Arasbaran. Ministry of Agriculture. 194-66. Seed.
431796. 33-071-10628. Iran. Arasbaran. Ministry of Agriculture. 194-95. Seed.
431797. 33-071-10630. Iran. Arasbaran. Ministry of Agriculture. 195-89. Seed.
431798. 33-071-10634. Iran. Arasbaran. Ministry of Agriculture. 196-15. Seed.
431799. 33-071-10635. Iran. Arasbaran. Ministry of Agriculture. 196-51. Seed.
431800. 33-071-10638. Iran. Arasbaran. Ministry of Agriculture. 196-95. Seed.
431801. 33-071-10641. Iran. Fars. Ministry of Agriculture. 197-35. Seed.
431802. 33-071-10642. Iran. Seed.
431803. 33-071-10643. Iran. Fars. Ministry of Agriculture. 197-53. Seed.
431804. 33-071-10644. Iran. Fars. Ministry of Agriculture. 197-58. Seed.
431805. 33-071-10645. Iran. Fars. Ministry of Agriculture. 197-50. Seed.
431806. 33-071-10646. Iran. Ministry of Agriculture. 202-47. Seed.
431807. 33-071-10648. Iran. Ministry of Agriculture. 202-39. Seed.

431607 TO 432290-continued

431808. 33-071-10649. Iran. Ministry of Agriculture. 202-48. Seed.
431809. 33-071-10650. Iran. Ministry of Agriculture. 202-69. Seed.
431810. 33-071-10651. Iran. Ministry of Agriculture. 202-62. Seed.
431811. 33-071-10653. Iran. Ministry of Agriculture. 202-56. Seed.
431812. 33-071-10654. Iran. Ministry of Agriculture. 202-57. Seed.
431813. 33-071-10655. Iran. Ghouchan. Ministry of Agriculture. 202-91. Seed.
431814. 33-071-10656. Iran. Ghouchan. Ministry of Agriculture. 202-97. Seed.
431815. 33-071-10657. Iran. Ghouchan. Ministry of Agriculture. 202-94. Seed.
431816. 33-071-10658. Iran. Fars Ghouchan. Ministry of Agriculture. 194-42. Seed.
431817. 33-071-10659. Iran. Fars Ghouchan. Ministry of Agriculture. 197-96(65). Seed.
431818. 33-071-10661. Iran. Fars Ghouchan. Ministry of Agriculture. 197-82(s)(65). Seed.
431819. 33-071-10662. Iran. Fars Ghouchan. Ministry of Agriculture. 197-71. Seed.
431820. 33-071-10663. Iran. Fars Ghouchan. Ministry of Agriculture. 197-73. Seed.
431821. 33-071-10664. Iran. Seed.
431822. 33-071-10665. Iran. Seed.
431823. 33-071-10666. Iran. Fars. Ministry of Agriculture. 197-27. Seed.
431824. 33-071-10668. Iran. Azaraojan. Ministry of Agriculture. 198-42. Seed.
431825. 33-071-10669. Iran. Azaraojan. Ministry of Agriculture. 198-19. Seed.

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431826. 33-071-10670. Iran. Seed.
431827. 33-071-10671. Iran. Azaraojan. Ministry of Agriculture.
198-13. Seed.
431828. 33-071-10672. Iran. Azaraojan. Ministry of Agriculture.
198-75. Seed.
431829. 33-071-10673. Iran. Azaraojan. Ministry of Agriculture.
198-63. Seed.
431830. 33-071-10674. Iran. Azaraojan. Ministry of Agriculture.
198-80. Seed.
431831. 33-071-10675. Iran. Azaraojan. Ministry of Agriculture.
199-9. Seed.
431832. 33-071-10677. Iran. Azaraojan. Ministry of Agriculture.
199-1. Seed.
431833. 33-071-10678. Iran. Azaraojan. Ministry of Agriculture.
199-89. Seed.
431834. 33-071-10679. Iran. Azaraojan. Ministry of Agriculture.
199-90. Seed.
431835. 33-071-10680. Iran. Azaraojan. Ministry of Agriculture.
199-42. Seed.
431836. 33-071-10681. Iran. Azaraojan. Ministry of Agriculture.
199-66. Seed.
431837. 33-071-10682. Iran. Azaraojan. Ministry of Agriculture.
199-79. Seed.
431838. 33-071-10683. Iran. Azaraojan. Ministry of Agriculture.
199-75. Seed.
431839. 33-071-10684. Iran. Azaraojan. Ministry of Agriculture.
199-61. Seed.
431840. 33-071-10685. Iran. Azaraojan. Ministry of Agriculture.
199-8. Seed.
431841. 33-071-10686. Iran. Azaraojan. Ministry of Agriculture.
199-62. Seed.
431842. 33-071-10687. Iran. Azaraojan. Ministry of Agriculture.
199-10. Seed.
431843. 33-071-10688. Iran. Azaraojan. Ministry of Agriculture.
199-73. Seed.

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- 431844.** 33-071-10689. Iran. Azaraojan. Ministry of Agriculture. 199-47. Seed.
- 431845.** 33-071-10690. Iran. Azaraojan. Ministry of Agriculture. 199-59. Seed.
- 431846.** 33-071-10691. Iran. Ardebil. Ministry of Agriculture. 200-53. Seed.
- 431847.** 33-071-10692. Iran. Ardebil. Ministry of Agriculture. 200-50. Seed.
- 431848.** 33-071-10693. Iran. Ardebil. Ministry of Agriculture. 200-42. Seed.
- 431849.** 33-071-10694. Iran. Ardebil. Ministry of Agriculture. 200-76. Seed.
- 431850.** 33-071-10695. Iran. Ardebil. Ministry of Agriculture. 200-75. Seed.
- 431851.** 33-071-10696. Iran. Ardebil. Ministry of Agriculture. 200-73. Seed.
- 431852.** 33-071-10698. Iran. Ghouchan. Ministry of Agriculture. 201-38(s)(65). Seed.
- 431853.** 33-071-10699. Iran. Ghouchan. Ministry of Agriculture. 201-20. Seed.
- 431854.** 33-071-10701. Iran. Ghouchan. Ministry of Agriculture. 201-68. Seed.
- 431855.** 33-071-10702. Iran. Ghouchan. Ministry of Agriculture. 201-56. Seed.
- 431856.** 33-071-10703. Iran. Ghouchan. Ministry of Agriculture. 201-58. Seed.
- 431857.** 33-071-10705. Iran. Ghouchan. Ministry of Agriculture. 201-5. Seed.
- 431858.** 33-071-10706. Iran. Seed.
- 431859.** 33-071-10707. Iran. Ghouchan. Ministry of Agriculture. 201-13(s)(65). Seed.
- 431860.** 33-071-10708. Iran. Ghouchan. Ministry of Agriculture. 201-1. Seed.
- 431861.** 33-071-10709. Iran. Ghouchan. Ministry of Agriculture. 201-2. Seed.

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431862. 33-071-10710. Iran. Ghouchan. Ministry of Agriculture.
201-19. Seed.
431863. 33-071-10711. Iran. Ghouchan. Ministry of Agriculture.
201-93. Seed.
431864. 33-071-10712. Iran. Ghouchan. Ministry of Agriculture.
201-77. Seed.
431865. 33-071-10713. Iran. Ghouchan. Ministry of Agriculture.
201-80. Seed.
431866. 33-071-10714. Iran. Ghouchan. Ministry of Agriculture.
201-71. Seed.
431867. 33-071-10715. Iran. Ghouchan. Ministry of Agriculture.
201-26(s)(65). Seed.
431868. 33-071-10716. Iran. Seed.
431869. 33-071-10717. Iran. Seed.
431870. 33-071-10718. Iran. Ghouchan. Ministry of Agriculture.
201-36. Seed.
431871. 33-071-10719. Iran. Ghouchan. Ministry of Agriculture.
201-36(s)(65). Seed.
431872. 33-071-10720. Iran. Kermanshah. Ministry of Agriculture.
203-75(1). Seed.
431873. 33-071-10721. Iran. Kermanshah. Ministry of Agriculture.
203-77(1). Seed.
431874. 33-071-10722. Iran. Kermanshah. Ministry of Agriculture.
203-54. Seed.
431875. 33-071-10723. Iran. Kermanshah. Ministry of Agriculture.
203-75(2). Seed.
431876. 33-071-10725. Iran. Kermanshah. Ministry of Agriculture.
204-53. Seed.
431877. 33-071-10726. Iran. Seed.
431878. 33-071-10727. Iran. Niyshabour. Ministry of Agriculture.
205-62. Seed.
431879. 33-071-10728. Iran. Niyshabour. Ministry of Agriculture.
205-63. Seed.
431880. 33-071-10729. Iran. Niyshabour. Ministry of Agriculture.

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205-63(s)(65). Seed.

- 431881. 33-071-10730. Iran. Niyshabour. Ministry of Agriculture.
205-34. Seed.
- 431882. 33-071-10731. Iran. Niyshabour. Ministry of Agriculture.
205-36. Seed.
- 431883. 33-071-10732. Iran. Niyshabour. Ministry of Agriculture.
205-31. Seed.
- 431884. 33-071-10733. Iran. Niyshabour. Ministry of Agriculture.
205-75. Seed.
- 431885. 33-071-10734. Iran. Niyshabour. Ministry of Agriculture.
205-72. Seed.
- 431886. 33-071-10736. Iran. Niyshabour. Ministry of Agriculture.
205-27(1). Seed.
- 431887. 33-071-10737. Iran. Niyshabour. Ministry of Agriculture.
205-27(2). Seed.
- 431888. 33-071-10738. Iran. Niyshabour. Ministry of Agriculture.
205-28. Seed.
- 431889. 33-071-10739. Iran. Niyshabour. Ministry of Agriculture.
205-4. Seed.
- 431890. 33-071-10740. Iran. Niyshabour. Ministry of Agriculture.
205-8. Seed.
- 431891. 33-071-10742. Iran. Niyshabour. Ministry of Agriculture.
205-39. Seed.
- 431892. 33-071-10743. Iran. Seed.
- 431893. 33-071-10744. Iran. Niyshabour. Ministry of Agriculture.
205-57. Seed.
- 431894. 33-071-10745. Iran. Niyshabour. Ministry of Agriculture.
205-52. Seed.
- 431895. 33-071-10746. Iran. Niyshabour. Ministry of Agriculture.
205-54. Seed.
- 431896. 33-071-10747. Iran. Niyshabour. Ministry of Agriculture.
205-55. Seed.
- 431897. 33-071-10748. Iran. Niyshabour. Ministry of Agriculture.
205-56. Seed.
- 431898. 33-071-10749. Iran. Niyshabour. Ministry of Agriculture.

431607 TO 432290-continued
205-57. Seed.

431899. 33-071-10751. Iran. Niyshabour. Ministry of Agriculture.
205-67. Seed.
431900. 33-071-10752. Iran. Niyshabour. Ministry of Agriculture.
205-69. Seed.
431901. 33-071-10753. Iran. Niyshabour. Ministry of Agriculture.
205-72. Seed.
431902. 33-071-10754. Iran. Niyshabour. Ministry of Agriculture.
205-75. Seed.
431903. 33-071-10755. Iran. Niyshabour. Ministry of Agriculture.
205-42. Seed.
431904. 33-071-10756. Iran. Niyshabour. Ministry of Agriculture.
205-43. Seed.
431905. 33-071-10757. Iran. Niyshabour. Ministry of Agriculture.
205-41. Seed.
431906. 33-071-10758. Iran. Niyshabour. Ministry of Agriculture.
205-73. Seed.
431907. 33-071-10759. Iran. Niyshabour. Ministry of Agriculture.
205-74. Seed.
431908. 33-071-10760. Iran. Niyshabour. Ministry of Agriculture.
205-77. Seed.
431909. 33-071-10761. Iran. Niyshabour. Ministry of Agriculture.
205-76. Seed.
431910. 33-071-10762. Iran. Niyshabour. Ministry of Agriculture.
205-76(s)(65). Seed.
431911. 33-071-10763. Iran. Niyshabour. Ministry of Agriculture.
205-79. Seed.
431912. 33-071-10764. Iran. Niyshabour. Ministry of Agriculture.
205-80. Seed.
431913. 33-071-10765. Iran. Niyshabour. Ministry of Agriculture.
205-84. Seed.
431914. 33-071-10766. Iran. Niyshabour. Ministry of Agriculture.
205-89. Seed.
431915. 33-071-10767. Iran. Niyshabour. Ministry of Agriculture.
205-85. Seed.

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431916. 33-071-10768. Iran. Niyshabour. Ministry of Agriculture.
205-91(s)(65). Seed.
431917. 33-071-10769. Iran. Seed.
431918. 33-071-10771. Iran. Niyshabour. Ministry of Agriculture.
205-96. Seed.
431919. 33-071-10772. Iran. Niyshabour. Ministry of Agriculture.
205-70. Seed.
431920. 33-071-10774. Iran. Niyshabour. Ministry of Agriculture.
205-97. Seed.
431921. 33-071-10775. Iran. Niyshabour. Ministry of Agriculture.
Seed.
431922. 33-071-10776. Iran. Seed.
431923. 33-071-10777. Iran. Seed.
431924. 33-071-10778. Iran. Niyshabour. Ministry of Agriculture.
205-63. Seed.
431925. 33-071-10779. Iran. Niyshabour. Ministry of Agriculture.
206-55. Seed.
431926. 33-071-10781. Iran. Niyshabour. Ministry of Agriculture.
206-54. Seed.
431927. 33-071-10782. Iran. Niyshabour. Ministry of Agriculture.
206-50. Seed.
431928. 33-071-10783. Iran. Niyshabour. Ministry of Agriculture.
206-77. Seed.
431929. 33-071-10784. Iran. Niyshabour. Ministry of Agriculture.
206-78. Seed.
431930. 33-071-10785. Iran. Niyshabour. Ministry of Agriculture.
206-80. Seed.
431931. 33-071-10786. Iran. Niyshabour. Ministry of Agriculture.
206-81. Seed.
431932. 33-071-10787. Iran. Niyshabour. Ministry of Agriculture.
206-89. Seed.
431933. 33-071-10789. Iran. Niyshabour. Ministry of Agriculture.
206-85. Seed.
431934. 33-071-10790. Iran. Niyshabour. Ministry of Agriculture.

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206-70. Seed.

- 431935. 33-071-10791. Iran. Niyshabour. Ministry of Agriculture.
206-71. Seed.
- 431936. 33-071-10793. Iran. Niyshabour. Ministry of Agriculture.
206-64. Seed.
- 431937. 33-071-10794. Iran. Niyshabour. Ministry of Agriculture.
206-64(s)(65). Seed.
- 431938. 33-071-10795. Iran. Niyshabour. Ministry of Agriculture.
206-65(s)(65). Seed.
- 431939. 33-071-10796. Iran. Niyshabour. Ministry of Agriculture.
206-66. Seed.
- 431940. 33-071-10797. Iran. Niyshabour. Ministry of Agriculture.
206-41. Seed.
- 431941. 33-071-10798. Iran. Niyshabour. Ministry of Agriculture.
206-40. Seed.
- 431942. 33-071-10799. Iran. Niyshabour. Ministry of Agriculture.
206-25. Seed.
- 431943. 33-071-10800. Iran. Niyshabour. Ministry of Agriculture.
206-46(s)(65). Seed.
- 431944. 33-071-10802. Iran. Niyshabour. Ministry of Agriculture.
206-36. Seed.
- 431945. 33-071-10803. Iran. Niyshabour. Ministry of Agriculture.
206-37. Seed.
- 431946. 33-071-10804. Iran. Niyshabour. Ministry of Agriculture.
206-38. Seed.
- 431947. 33-071-10805. Iran. Niyshabour. Ministry of Agriculture.
206-98. Seed.
- 431948. 33-071-10806. Iran. Niyshabour. Ministry of Agriculture.
206-90. Seed.
- 431949. 33-071-10807. Iran. Niyshabour. Ministry of Agriculture.
206-91. Seed.
- 431950. 33-071-10808. Iran. Niyshabour. Ministry of Agriculture.
206-92. Seed.
- 431951. 33-071-10809. Iran. Niyshabour. Ministry of Agriculture.
Seed.

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431952. 33-071-10810. Iran. Niyshabour. Ministry of Agriculture. 206-49(s)(65). Seed.
431953. 33-071-10811. Iran. Niyshabour. Ministry of Agriculture. 206. Seed.
431954. 33-071-10812. Iran. Niyshabour. Ministry of Agriculture. 206-13. Seed.
431955. 33-071-10813. Iran. Niyshabour. Ministry of Agriculture. 206-14. Seed.
431956. 33-071-10815. Iran. Niyshabour. Ministry of Agriculture. 206-19. Seed.
431957. 33-071-10816. Iran. Korbati Haidasie. Ministry of Agriculture. 207-57. Seed.
431958. 33-071-10817. Iran. Korbati Haidasie. Ministry of Agriculture. 207-46. Seed.
431959. 33-071-10818. Iran. Korbati Haidasie. Ministry of Agriculture. 207-62. Seed.
431960. 33-071-10819. Iran. Korbati Haidasie. Ministry of Agriculture. 207-65. Seed.
431961. 33-071-10820. Iran. Korbati Haidasie. Ministry of Agriculture. 207-68(1). Seed.
431962. 33-071-10821. Iran. Korbati Haidasie. Ministry of Agriculture. 207-68(2). Seed.
431963. 33-071-10823. Iran. Korbati Haidasie. Ministry of Agriculture. 207-31(s)(65). Seed.
431964. 33-071-10824. Iran. Seed.
431965. 33-071-10825. Iran. Korbati Haidasie. Ministry of Agriculture. 207-3. Seed.
431966. 33-071-10826. Iran. Korbati Haidasie. Ministry of Agriculture. 207-70. Seed.
431967. 33-071-10827. Iran. Korbati Haidasie. Ministry of Agriculture. 207-28(s)(65). Seed.
431968. 33-071-10828. Iran. Korbati Haidasie. Ministry of Agriculture. 207-82. Seed.
431969. 33-071-10829. Iran. Korbati Haidasie. Ministry of Agriculture. 207-84. Seed.

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- 431970. 33-071-10830. Iran. Korbati Haidasie. Ministry of Agriculture. 207-94(s)(65). Seed.**
- 431971. 33-071-10831. Iran. Korbati Haidasie. Ministry of Agriculture. 207-97(s)(65). Seed.**
- 431972. 33-071-10832. Iran. Daregaz. Ministry of Agriculture. 208-6. Seed.**
- 431973. 33-071-10833. Iran. Daregaz. Ministry of Agriculture. 208-7. Seed.**
- 431974. 33-071-10834. Iran. Daregaz. Ministry of Agriculture. 208-5. Seed.**
- 431975. 33-071-10835. Iran. Daregaz. Ministry of Agriculture. 208-6(s)(65). Seed.**
- 431976. 33-071-10836. Iran. Daregaz. Ministry of Agriculture. 208-9(s)(65). Seed.**
- 431977. 33-071-10838. Iran. Daregaz. Ministry of Agriculture. 208-80. Seed.**
- 431978. 33-071-10839. Iran. Daregaz. Ministry of Agriculture. 208-12. Seed.**
- 431979. 33-071-10840. Iran. Daregaz. Ministry of Agriculture. 208-58. Seed.**
- 431980. 33-071-10841. Iran. Daregaz. Ministry of Agriculture. 208-57. Seed.**
- 431981. 33-071-10842. Iran. Daregaz. Ministry of Agriculture. 208-56. Seed.**
- 431982. 33-071-10844. Iran. Daregaz. Ministry of Agriculture. 208-38. Seed.**
- 431983. 33-071-10845. Iran. Daregaz. Ministry of Agriculture. 208-37. Seed.**
- 431984. 33-071-10846. Iran. Daregaz. Ministry of Agriculture. 208-49. Seed.**
- 431985. 33-071-10848. Iran. Seed.**
- 431986. 33-071-10849. Iran. Daregaz. Ministry of Agriculture. 208-27. Seed.**
- 431987. 33-071-10850. Iran. Daregaz. Ministry of Agriculture. 208-30. Seed.**

431607 TO 432290-continued

431988. 33-071-10851. Iran. Daregaz. Ministry of Agriculture.
208-21. Seed.
431989. 33-071-10852. Iran. Daregaz. Ministry of Agriculture.
208-21(s)(65). Seed.
431990. 33-071-10853. Iran. Daregaz. Ministry of Agriculture.
208-22. Seed.
431991. 33-071-10854. Iran. Daregaz. Ministry of Agriculture.
208-20. Seed.
431992. 33-071-10855. Iran. Daregaz. Ministry of Agriculture.
208-95. Seed.
431993. 33-071-10857. Iran. Daregaz. Ministry of Agriculture.
208-97. Seed.
431994. 33-071-10859. Iran. Daregaz. Ministry of Agriculture.
208-19. Seed.
431995. 33-071-10860. Iran. Daregaz. Ministry of Agriculture.
208-17(s)(65). Seed.
431996. 33-071-10862. Iran. Daregaz. Ministry of Agriculture.
208-78. Seed.
431997. 33-071-10863. Iran. Daregaz. Ministry of Agriculture.
208-72. Seed.
431998. 33-071-10864. Iran. Daregaz. Ministry of Agriculture.
208-79. Seed.
431999. 33-071-10865. Iran. Daregaz. Ministry of Agriculture.
208-81. Seed.
432000. 33-071-10866. Iran. Daregaz. Ministry of Agriculture.
208-84. Seed.
432001. 33-071-10867. Iran. Daregaz. Ministry of Agriculture.
208-86. Seed.
432002. 33-071-10868. Iran. Daregaz. Ministry of Agriculture.
208-91. Seed.
432003. 33-071-10870. Iran. Daregaz. Ministry of Agriculture.
208-93(s)(65). Seed.
432004. 33-071-10871. Iran. Daregaz. Ministry of Agriculture.
208-76. Seed.
432005. 33-071-10872. Iran. Seed.

431607 TO 432290-continued

432006. 33-071-10873. Iran. Daregaz. Ministry of Agriculture.
209-75. Seed.
432007. 33-071-10874. Iran. Daregaz. Ministry of Agriculture.
209-73. Seed.
432008. 33-071-10875. Iran. Daregaz. Ministry of Agriculture.
209-72. Seed.
432009. 33-071-10876. Iran. Daregaz. Ministry of Agriculture.
209-71. Seed.
432010. 33-071-10877. Iran. Daregaz. Ministry of Agriculture.
209-71(s)(65). Seed.
432011. 33-071-10878. Iran. Daregaz. Ministry of Agriculture.
209-48. Seed.
432012. 33-071-10879. Iran. Daregaz. Ministry of Agriculture.
209-45. Seed.
432013. 33-071-10880. Iran. Daregaz. Ministry of Agriculture.
209-23. Seed.
432014. 33-071-10881. Iran. Daregaz. Ministry of Agriculture.
209-26. Seed.
432015. 33-071-10882. Iran. Daregaz. Ministry of Agriculture.
209-46. Seed.
432016. 33-071-10883. Iran. Daregaz. Ministry of Agriculture.
209-33. Seed.
432017. 33-071-10884. Iran. Daregaz. Ministry of Agriculture.
209-33(s)(65). Seed.
432018. 33-071-10885. Iran. Daregaz. Ministry of Agriculture.
209-70. Seed.
432019. 33-071-10886. Iran. Daregaz. Ministry of Agriculture.
209-11. Seed.
432020. 33-071-10887. Iran. Daregaz. Ministry of Agriculture.
209-16. Seed.
432021. 33-071-10888. Iran. Daregaz. Ministry of Agriculture.
209-15. Seed.
432022. 33-071-10889. Iran. Daregaz. Ministry of Agriculture.
209-77. Seed.
432023. 33-071-10890. Iran. Daregaz. Ministry of Agriculture.

431607 TO 432290—continued
209-84. Seed.

432024. 33-071-10893. Iran. Daregaz. Ministry of Agriculture.
209-81. Seed.
432025. 33-071-10894. Iran. Daregaz. Ministry of Agriculture.
209-80. Seed.
432026. 33-071-10895. Iran. Daregaz. Ministry of Agriculture.
209-15. Seed.
432027. 33-071-10896. Iran. Daregaz. Ministry of Agriculture.
209-58. Seed.
432028. 33-071-10897. Iran. Esfahan. Ministry of Agriculture.
209-67. Seed.
432029. 33-071-10898. Iran. Esfahan. Ministry of Agriculture.
209-66. Seed.
432030. 33-071-10899. Iran. Esfahan. Ministry of Agriculture.
209-65. Seed.
432031. 33-071-10900. Iran. Esfahan. Ministry of Agriculture.
209-69. Seed.
432032. 33-071-10901. Iran. Esfahan. Ministry of Agriculture.
209-63. Seed.
432033. 33-071-10902. Iran. Seed.
432034. 33-071-10904. Iran. Esfahan. Ministry of Agriculture.
209-51. Seed.
432035. 33-071-10905. Iran. Esfahan. Ministry of Agriculture.
209-61. Seed.
432036. 33-071-10906. Iran. Jiroft. Ministry of Agriculture. 210-
50. Seed.
432037. 33-071-10907. Iran. Jiroft. Ministry of Agriculture. 210-
47. Seed.
432038. 33-071-10908. Iran. Jiroft. Ministry of Agriculture. 210-
52. Seed.
432039. 33-071-10909. Iran. Jiroft. Ministry of Agriculture. 210-
41(s)(65). Seed.
432040. 33-071-10910. Iran. Jiroft. Ministry of Agriculture. 210-
55. Seed.
432041. 33-071-10911. Iran. Jiroft. Ministry of Agriculture. 210-

431607 TO 432290--continued

57. Seed.

- 432042. 33-071-10912. Iran. Jiroft. Ministry of Agriculture. 210-60. Seed.**
- 432043. 33-071-10913. Iran. Jiroft. Ministry of Agriculture. 210-58. Seed.**
- 432044. 33-071-10914. Iran. Jiroft. Ministry of Agriculture. 210-28. Seed.**
- 432045. 33-071-10915. Iran. Jiroft. Ministry of Agriculture. 210-28(s)(65). Seed.**
- 432046. 33-071-10917. Iran. Jiroft. Ministry of Agriculture. 210-72. Seed.**
- 432047. 33-071-10918. Iran. Jiroft. Ministry of Agriculture. 210-72(s)(65). Seed.**
- 432048. 33-071-10919. Iran. Jiroft. Ministry of Agriculture. 210-5. Seed.**
- 432049. 33-071-10920. Iran. Jiroft. Ministry of Agriculture. Seed.**
- 432050. 33-071-10921. Iran. Jiroft. Ministry of Agriculture. 210-25(s)(65). Seed.**
- 432051. 33-071-10922. Iran. Jiroft. Ministry of Agriculture. 210-29. Seed.**
- 432052. 33-071-10923. Iran. Jiroft. Ministry of Agriculture. 210-46. Seed.**
- 432053. 33-071-10924. Iran. Jiroft. Ministry of Agriculture. 210-64. Seed.**
- 432054. 33-071-10925. Iran. Jiroft. Ministry of Agriculture. 210-64(s). Seed.**
- 432055. 33-071-10926. Iran. Jiroft. Ministry of Agriculture. 210-23. Seed.**
- 432056. 33-071-10927. Iran. Jiroft. Ministry of Agriculture. 210-2. Seed.**
- 432057. 33-071-10928. Iran. Jiroft. Ministry of Agriculture. 210-16. Seed.**
- 432058. 33-071-10929. Iran. Jiroft. Ministry of Agriculture. Seed.**

431607 TO 432290-continued

- 432059. 33-071-10930. Iran. Jiroft. Ministry of Agriculture. 210-20. Seed.
- 432060. 33-071-10931. Iran. Jiroft. Ministry of Agriculture. 210-62. Seed.
- 432061. 33-071-10932. Iran. Jiroft. Ministry of Agriculture. 210-62(s)(65). Seed.
- 432062. 33-071-10934. Iran. Arasbaran. Ministry of Agriculture. 212-35. Seed.
- 432063. 33-071-10935. Iran. Arasbaran. Ministry of Agriculture. 212-41. Seed.
- 432064. 33-071-10936. Iran. Arasbaran. Ministry of Agriculture. 212-41(s)(65). Seed.
- 432065. 33-071-10937. Iran. Arasbaran. Ministry of Agriculture. 212-44. Seed.
- 432066. 33-071-10938. Iran. Arasbaran. Ministry of Agriculture. 212-49. Seed.
- 432067. 33-071-10939. Iran. Arasbaran. Ministry of Agriculture. 212-49(s)(65). Seed.
- 432068. 33-071-10940. Iran. Arasbaran. Ministry of Agriculture. 212-61. Seed.
- 432069. 33-071-10941. Iran. Arasbaran. Ministry of Agriculture. 212-63. Seed.
- 432070. 33-071-10942. Iran. Arasbaran. Ministry of Agriculture. 212-13. Seed.
- 432071. 33-071-10943. Iran. Arasbaran. Ministry of Agriculture. 212-89. Seed.
- 432072. 33-071-10944. Iran. Arasbaran. Ministry of Agriculture. 212-87(s)(65). Seed.
- 432073. 33-071-10945. Iran. Seed.
- 432074. 33-071-10946. Iran. Arasbaran. Ministry of Agriculture. 212-77. Seed.
- 432075. 33-071-10947. Iran. Arasbaran. Ministry of Agriculture. 212-72. Seed.
- 432076. 33-071-10948. Iran. Arasbaran. Ministry of Agriculture. 212-67(s)(65). Seed.

431607 TO 432290-continued

432077. 33-071-10949. Iran. Arasbaran. Ministry of Agriculture.
212-68(s)(65). Seed.
432078. 33-071-10950. Iran. Arasbaran. Ministry of Agriculture.
212-100(s)(65). Seed.
432079. 33-071-10951. Iran. Arasbaran. Ministry of Agriculture.
212-80. Seed.
432080. 33-071-10952. Iran. Arasbaran. Ministry of Agriculture.
212-27. Seed.
432081. 33-071-10953. Iran. Arasbaran. Ministry of Agriculture.
212-93(s)(65). Seed.
432082. 33-071-10954. Seed.
432083. 33-071-10955. Seed.
432084. 33-071-10959. Iran. Fars. Ministry of Agriculture. 101.
Seed.
432085. 33-071-10961. Iran. Fars. Ministry of Agriculture. 101.
Seed.
432086. 33-071-10962. Iran. Fars. Ministry of Agriculture. 101.
Seed.
432087. 33-071-10963. Iran. Fars. Ministry of Agriculture. 101.
Seed.
432088. 33-071-10964. Iran. Shushtar. Ministry of Agriculture.
117(s). Seed.
432089. 33-071-10965. Iran. Bandar Fars. Ministry of Agriculture.
188-2(s)(65). Seed.
432090. 33-071-10966. Iran. Bandar Fars. Ministry of Agriculture.
188-74(s)(66). Seed.
432091. 33-071-10967. Iran. Esfahan. Ministry of Agriculture.
189-46(s)(66). Seed.
432092. 33-071-10968. Iran. Bandar Fars. Ministry of Agriculture.
188-25(s)(66). Seed.
432093. 33-071-10969. Iran. Shushtar. Ministry of Agriculture.
186-56(s)(66). Seed.
432094. 33-071-10970. Iran. Bandar Fars. Ministry of Agriculture.
188-62(s)(66). Seed.

431607 TO 432290-continued

- 432095. 33-071-10971. Iran. Shushtar. Ministry of Agriculture. 156-93(s)(66). Seed.
- 432096. 33-071-10972. Iran. Hamadan. (s)(66). Seed.
- 432097. 33-071-10973. Iran. Fars. Ministry of Agriculture. 197-80(s)(66). Seed.
- 432098. 33-071-10990. Iran. Tehran. 27(1). Seed.
- 432099. 33-071-10991. Iran. Tehran. 27(2). Seed.
- 432100. 33-071-10992. Iran. Tehran. 27(3). Seed.
- 432101. 33-071-10993. Iran. Ghazvin. 28(1). Seed.
- 432102. 33-071-10994. Iran. Ghazvin. 28(2). Seed.
- 432103. 33-071-10995. Iran. Ghazvin. 28(3). Seed.
- 432104. 33-071-10996. Iran. Seed.
- 432105. 33-071-10997. Iran. Fars. Seed.
- 432106. 33-071-11001. Iran. Seed.
- 432107. 33-071-11002. Iran. Seed.
- 432108. 33-071-11003. Iran. Seed.
- 432109. 33-071-11004. Iran. Seed.
- 432110. 33-071-11005. Iran. Seed.
- 432111. 33-071-11007. Iran. Rezaieheh. Seed.
- 432112. 33-071-11008. Iran. Mianeh. Seed.
- 432113. 33-071-11009. Iran. Ardebil. Seed.
- 432114. 33-071-11010. Iran. Ghare-Aghach. Seed.
- 432115. 33-071-11011. Iran. Tehran. Seed.
- 432116. 33-071-11012. Iran. Fars. Ministry of Agriculture. 2-42-4473. Seed.
- 432117. 33-071-11013. Iran. Esfahan. Ministry of Agriculture. 407. Seed.
- 432118. 33-071-11014. Iran. Fars. Ministry of Agriculture. 2-42-4467. Seed.

431607 TO 432290-continued

- 432118. 33-071-11015. Iran. Esfahan. Ministry of Agriculture. 2-42-4563. Seed.
- 432120. 33-071-11016. Iran. Fars. Ministry of Agriculture. 2-42-4464. Seed.
- 432121. 33-071-11017. Iran. Esfahan. Ministry of Agriculture. 2-42-4571. Seed.
- 432122. 33-071-11018. Iran. Esfahan. Ministry of Agriculture. 403. Seed.
- 432123. 33-071-11020. Iran. Esfahan. Ministry of Agriculture. 406. Seed.
- 432124. 33-071-11021. Iran. Fars. Ministry of Agriculture. 2-42-4470. Seed.
- 432125. 33-071-11022. Iran. Fars. Ministry of Agriculture. 2-42-4479. Seed.
- 432126. 33-071-11023. Iran. Esfahan. Ministry of Agriculture. 2-42-4623. Seed.
- 432127. 33-071-11024. Iran. Esfahan. Ministry of Agriculture. 408. Seed.
- 432128. 33-071-11025. Iran. Esfahan. Ministry of Agriculture. 2-42-4641. Seed.
- 432129. 33-071-11026. Iran. Fars. Ministry of Agriculture. 2-42-4480. Seed.
- 432130. 33-071-11027. Iran. Esfahan. Ministry of Agriculture. 409. Seed.
- 432131. 33-071-11028. Iran. Esfahan. Ministry of Agriculture. 410. Seed.
- 432132. 33-071-11029. Iran. Esfahan. Ministry of Agriculture. 1229. Seed.
- 432133. 33-071-11030. Iran. Esfahan. Ministry of Agriculture. 1227. Seed.
- 432134. 33-071-11031. Iran. Esfahan. Ministry of Agriculture. 1231. Seed.
- 432135. 33-071-11032. Iran. Esfahan. Ministry of Agriculture. 1230. Seed.
- 432136. 33-071-11033. Iran. Esfahan. Ministry of Agriculture.

431607 TO 432290-continued
1218. Seed.

432137. 33-071-11034. Iran. Esfahan. Ministry of Agriculture.
1226. Seed.
432138. 33-071-11035. Iran. Esfahan. Ministry of Agriculture.
1224. Seed.
432139. 33-071-11036. Iran. Esfahan. Ministry of Agriculture.
1201. Seed.
432140. 33-071-11037. Iran. Esfahan. Ministry of Agriculture.
1223. Seed.
432141. 33-071-11038. Iran. Esfahan. Ministry of Agriculture.
1206. Seed.
432142. 33-071-11039. Iran. Esfahan. Ministry of Agriculture.
1219. Seed.
432143. 33-071-11043. Iran. Esfahan. Ministry of Agriculture.
1213. Seed.
432144. 33-071-11044. Iran. Esfahan. Ministry of Agriculture.
1214. Seed.
432145. 33-071-11045. Iran. Esfahan. Ministry of Agriculture.
1217. Seed.
432146. 33-071-11046. Iran. Esfahan. Ministry of Agriculture.
1215. Seed.
432147. 33-071-11047. Iran. Esfahan. Ministry of Agriculture.
1210. Seed.
432148. 33-071-11049. Iran. Seed.
432149. 33-071-11050. Iran. Esfahan. Ministry of Agriculture.
1225. Seed.
432150. 33-071-11051. Iran. Esfahan. Ministry of Agriculture.
1221. Seed.
432151. 33-071-11052. Iran. Esfahan. Ministry of Agriculture.
1220. Seed.
432152. 33-071-11054. Iran. Esfahan. Ministry of Agriculture.
1212. Seed.
432153. 33-071-11055. Iran. Esfahan. Ministry of Agriculture.
1208. Seed.
432154. 33-071-11056. Iran. Esfahan. Ministry of Agriculture.

431607 TO 432290-continued
1207. Seed.

432155. 33-071-11057. Iran. Esfahan. Ministry of Agriculture.
1209. Seed.
432156. 33-071-11058. Iran. Esfahan. Ministry of Agriculture.
1205. Seed.
432157. 33-071-11059. Iran. Esfahan. Ministry of Agriculture.
1204. Seed.
432158. 33-071-11060. Iran. Esfahan. Ministry of Agriculture.
1202. Seed.
432159. 33-071-11061. Iran. Fars. Ministry of Agriculture. 2-44-
9614. Seed.
432160. 33-071-11062. Iran. Fars. Ministry of Agriculture. 2-44-
9314. Seed.
432161. 33-071-11063. Iran. Fars. Ministry of Agriculture. 2-44-
9620. Seed.
432162. 33-071-11064. Iran. Fars. Ministry of Agriculture. 2-44-
9514. Seed.
432163. 33-071-11065. Iran. Fars. Ministry of Agriculture. 2-44-
9313. Seed.
432164. 33-071-11066. Iran. Fars. Ministry of Agriculture. 2-44-
6915. Seed.
432165. 33-071-11067. Iran. Fars. Ministry of Agriculture. 2-44-
8418. Seed.
432166. 33-071-11069. Iran. Fars. Ministry of Agriculture. 2-44-
8415. Seed.
432167. 33-071-11070. Iran. Fars. Ministry of Agriculture. 2-44-
8719. Seed.
432168. 33-071-11071. Iran. Fars. Ministry of Agriculture. 2-44-
8017. Seed.
432169. 33-071-11072. Iran. Fars. Ministry of Agriculture. 2-44-
7615. Seed.
432170. 33-071-11073. Iran. Fars. Ministry of Agriculture. 2-44-
6812. Seed.
432171. 33-071-11074. Iran. Fars. Ministry of Agriculture. 2-44-
7519. Seed.

431607 TO 432290-continued

432172. 33-071-11075. Iran. Fars. Ministry of Agriculture. 2-44-8420. Seed.
432173. 33-071-11076. Iran. Fars. Ministry of Agriculture. 2-44-8713. Seed.
432174. 33-071-11078. Iran. Fars. Ministry of Agriculture. 2-44-8714. Seed.
432175. 33-071-11079. Iran. Fars. Ministry of Agriculture. 2-44-8411. Seed.
432176. 33-071-11080. Iran. Fars. Ministry of Agriculture. 2-44-8717. Seed.
432177. 33-071-11081. Iran. Fars. Ministry of Agriculture. 2-44-6819. Seed.
432178. 33-071-11082. Iran. Fars. Ministry of Agriculture. 2-44-8417. Seed.
432179. 33-071-11083. Iran. Fars. Ministry of Agriculture. 2-44-8016. Seed.
432180. 33-071-11085. Iran. Fars. Ministry of Agriculture. 2-44-9518. Seed.
432181. 33-071-11088. Iran. Fars. Ministry of Agriculture. 2-44-8012. Seed.
432182. 33-071-11089. Iran. Fars. Ministry of Agriculture. 2-44-8416. Seed.
432183. 33-071-11090. Iran. Fars. Ministry of Agriculture. 2-44-8716. Seed.
432184. 33-071-11095. Iran. Fars. Ministry of Agriculture. 2-44-6913. Seed.
432185. 33-071-11096. Iran. Seed.
432186. 33-071-11097. Iran. Fars. Ministry of Agriculture. 2-44-9114. Seed.
432187. 33-071-11098. Iran. Fars. Ministry of Agriculture. 2-44-9015. Seed.
432188. 33-071-11102. Iran. Fars. Ministry of Agriculture. 2-44-9416. Seed.
432189. 33-071-11105. Iran. Fars. Ministry of Agriculture. 2-44-8316. Seed.

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- 432190. 33-071-11108. United States. Washington. Seed.**
- 432191. 33-071-11109. Iran. Esfahan. Ministry of Agriculture. 2-44-8775. Seed.**
- 432192. 33-071-11110. Iran. Esfahan. Ministry of Agriculture. 2-44-4587. Seed.**
- 432193. 33-071-11111. Iran. Esfahan. Ministry of Agriculture. 2-44-8778. Seed.**
- 432194. 33-071-11112. Iran. Rezaieh. Ministry of Agriculture. 2-42-4464. Seed.**
- 432195. 33-071-11113. Iran. Varamin. Ministry of Agriculture. 2-44-9174. Seed.**
- 432196. 33-071-11114. Iran. Varamin. Ministry of Agriculture. 2-44-9472. Seed.**
- 432197. 33-071-11115. Iran. Shushtar. Ministry of Agriculture. 2-44-4360. Seed.**
- 432198. 33-071-11117. Iran. Esfahan. Ministry of Agriculture. 402. Seed.**
- 432199. 33-071-11118. Iran. Esfahan. Ministry of Agriculture. 401. Seed.**
- 432200. 33-071-11122. Seed.**
- 432201. 33-071-11123. Seed.**
- 432202. 33-071-11134. Seed.**
- 432203. 33-071-11135. Seed.**
- 432204. 33-071-11136. Seed.**
- 432205. 33-071-11137. Seed.**
- 432206. 33-071-11138. Seed.**
- 432207. 33-071-11139. Seed.**
- 432208. 33-071-11140. Seed.**
- 432209. 33-071-11141. Seed.**
- 432210. 33-071-11142. Seed.**
- 432211. 33-071-11144. Seed.**

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432212. 33-071-11146. Seed.
432213. 33-071-11147. Seed.
432214. 33-071-11148. Seed.
432215. 33-071-11149. Seed.
432216. 33-071-11150. Seed.
432217. 33-071-11151. Seed.
432218. 33-071-11156. Seed.
432219. 33-071-11157. Seed.
432220. 33-071-11158. Seed.
432221. 33-071-11159. Seed.
432222. 33-071-11160. Seed.
432223. 33-071-11161. Seed.
432224. 33-071-11162. Seed.
432225. 33-071-11163. Seed.
432226. 33-071-11164. Seed.
432227. 33-071-11165. Seed.
432228. 33-071-11166. Seed.
432229. 33-071-11171. Seed.
432230. 33-071-11172. Seed.
432231. 33-071-11176. Seed.
432232. 33-071-11177. Seed.
432233. 33-071-11178. Seed.
432234. 33-071-11179. Seed.
432235. 33-071-11180. Seed.
432236. 33-079-10899. Jordan. Seed.
432237. 33-085-10589. Jordan. Seed.

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- 432238. 33-085-10590. Seed.
- 432239. 33-085-10591. Seed.
- 432240. 33-085-10592. Seed.
- 432241. 33-085-10593. Seed.
- 432242. 33-085-10594. Seed.
- 432243. 33-085-10595. Seed.
- 432244. 33-085-10596. Seed.
- 432245. 33-085-10598. Seed.
- 432246. 33-085-10599. Seed.
- 432247. 33-085-10600. Seed.
- 432248. 33-085-10602. Seed.
- 432249. 33-085-10604. Seed.
- 432250. 33-085-10606. Seed.
- 432251. 33-085-10607. Lebanon. Ministry of Agriculture. 191-20.
Seed.
- 432252. 33-085-10608. Lebanon. Ministry of Agriculture. 191-27.
Seed.
- 432253. 33-085-10610. Lebanon. Ministry of Agriculture. 191-57.
Seed.
- 432254. 33-085-10975. Seed.
- 432255. 33-085-11174. Seed.
- 432256. 33-153-10028. Seed.
- 432257. 33-153-10164. Seed.
- 432258. 33-153-10976. Turkey. Seed.
- 432259. 33-153-10977. Turkey. 15. Seed.
- 432260. 33-153-10978. Turkey. 7. Seed.
- 432261. 33-153-10979. Turkey. 13. Seed.
- 432262. 33-153-10980. Turkey. 10. Seed.

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- 432263. 33-153-10981. Turkey. 2. Seed.**
- 432264. 33-153-10982. Turkey. 6. Seed.**
- 432265. 33-153-10983. Turkey. 14. Seed.**
- 432266. 33-153-10984. Turkey. 12. Seed.**
- 432267. 33-153-10985. Turkey. 5. Seed.**
- 432268. 33-153-10986. Turkey. 9. Seed.**
- 432269. 33-153-10987. Turkey. 4. Seed.**
- 432270. 33-153-10988. Turkey. Seed.**
- 432271. 33-153-11119. Turkey. Seed.**
- 432272. 33-153-11120. Turkey. Ankara. Seed.**
- 432273. 33-153-11121. Turkey. Seed.**
- 432274. 33-153-11125. India. Br. 25. Seed.**
- 432275. 33-153-11126. Turkey. Seed.**
- 432276. 33-153-11128. Turkey. Seed.**
- 432277. 33-153-11129. India. B-62. Seed.**
- 432278. 33-153-11133. India. 9-12. Seed.**
- 432279. 33-153-11173. Turkey. Bursa. Seed.**
- 432280. 33-155-10121. Seed.**
- 432281. 33-155-10149. Seed.**
- 432282. 33-155-10160. Seed.**
- 432283. 33-155-10562. Seed.**
- 432284. 33-155-10563. Seed.**
- 432285. 33-155-10564. Seed.**
- 432286. 33-155-10568. Seed.**
- 432287. 33-155-10569. Seed.**
- 432288. 33-155-10573. Seed.**

431607 TO 432290-continued

432289. 33-157-10431. Seed.

432290. 33-157-11167. Seed.

432291 TO 432331. *Vigna radiata* (L.) Wilczek (Fabaceae) Mungbean.

**From Iran. Donated by K. H. Evans, Tehran. Received through
Regional Pulse Improvement Project. Code numbers refer to
assignments originally made in India.
Received March 1979.**

432291. 48-069-11081. Seed.

432292. 48-069-11083. Seed.

432293. 48-069-11084. Seed.

432294. 48-069-11085. Seed.

432295. 48-071-10285. Seed.

432296. 48-071-10286. Seed.

432297. 48-071-10288. Seed.

432298. 48-071-10289. Seed.

432299. 48-071-10291. Seed.

432300. 48-071-10295. Seed.

432301. 48-071-10297. Seed.

432302. 48-071-10298. Seed.

432303. 48-071-10299. Seed.

432304. 48-071-10300. Seed.

432305. 48-071-10301. Seed.

432306. 48-071-10303. Seed.

432307. 48-071-10304. Seed.

432308. 48-071-10305. Seed.

432309. 48-071-10306. Seed.

432310. 48-071-10310. Seed.

432291 TO 432331-continued

- 432311. 48-071-10314. Seed.
- 432312. 48-071-10315. Seed.
- 432313. 48-071-10319. Seed.
- 432314. 48-071-10321. Seed.
- 432315. 48-071-10326. Seed.
- 432316. 48-071-10327. Seed.
- 432317. 48-071-10329. Seed.
- 432318. 48-071-10330. Seed.
- 432319. 48-071-10347. Seed.
- 432320. 48-071-10389. Seed.
- 432321. 48-071-10396. Seed.
- 432322. 48-071-10435. Seed.
- 432323. 48-071-10436. Seed.
- 432324. 48-071-10849. Seed.
- 432325. 48-071-11089. Seed.
- 432326. 48-071-11090. Seed.
- 432327. 48-071-11093. Seed.
- 432328. 48-157-10011. Seed.
- 432329. 48-157-10013. Seed.
- 432330. 48-157-11086. Seed.
- 432331. 48-157-11087. Seed.

432332. *Lupinus mutabilis* Sweet (Fabaceae).

From Peru. Donated by Instituto de Investigaciones Agro-
Industriales (IIA), Lima 14. Received through R. L. Barnes,
Agricultural Attache, American Embassy, Lima.
Received March 1979.

Local name tarhui. Seed.

432333 TO 432334. *Trifolium subterraneum* L. (Fabaceae) Subterranean clover.

From New Zealand. Donated by M. B. Forde, Plant Introduction Officer, Department of Scientific and Industrial Research, Grasslands Division, Palmerston North.
Received March 1979.

432333. Ak 591. 'Tallarook'. Australia. Cultivated. Cultivar. Seed.

432334. Ak 592. 'Mt Barker'. Australia. Cultivated. Cultivar. Seed.

432335. *Cichorium endivia* L. (Asteraceae) Endive.

From Cyprus. Collected by R. Provvidenti, Plant Pathology Department, New York State Agricultural Experiment Station, Geneva, New York. Received through Agriculture Research Institute, Nicosia, Cyprus.
Received July 1978.

Collected March 14, 1978. Kiti, Larnaca District. From a farmer. Local name Salata. Cultivated. Primitive cultivar.
Seed.

432336. *Cichorium intybus* L. (Asteraceae) Chicory.

From Cyprus. Collected by R. Provvidenti, Plant Pathology Department, New York State Agricultural Experiment Station, Geneva, New York. Received through Agriculture Research Institute, Nicosia, Cyprus.
Received July 1978.

Collected March 14, 1978. Larnaca, Larnaca District.
From a market. Local name Salata. Seed.

432337. *Citrullus colocynthis* (L.) Schrad. (Cucurbitaceae) Colocynth.

From Cyprus. Collected by R. Provvidenti, Plant Pathology Department, New York State Agricultural Experiment Station, Geneva, New York. Received through Agriculture Research Institute, Nicosia, Cyprus.
Received July 1978.

Collected February 21, 1978. Liopetri, Famagusta District. Local name Pikraggourka. Annual. Wild. Seed.

432338. *Cucumis melo* L. (Cucurbitaceae) Muskmelon.

From Cyprus. Collected by R. Provvidenti, Plant Pathology

432338-continued

Department, New York State Agricultural Experiment Station,
Geneva, New York. Received through Agriculture Research
Institute.

Received July 1978.

Collected March 30, 1978. Paralimni, Famagusta District.
From a farmer. Local name Peponia Makry. Fruit long.
Annual. Cultivated. Seed.

**432339. *Eruca vesicaria* (L.) Cav. subsp. *sativa* (Mill.) Thell.
(Brassicaceae) Rocket salad.**

From Cyprus. Collected by R. Provvidenti, Plant Pathology
Department, New York State Agricultural Experiment Station,
Geneva, New York. Received through Agriculture Research
Institute, Nicosia, Cyprus.

Received July 1978.

Collected June 09, 1978. Nicosia, Nicosia District. From
a farmer. Local name Rocca. Used for green salad.
Cultivated. Seed.

**432340 TO 432342. *Lagenaria siceraria* (Mol.) Standl. (Cucurbitaceae)
Bottle gourd.**

From Cyprus. Collected by R. Provvidenti, Plant Pathology
Department, New York State Agricultural Experiment Station,
Geneva, New York. Received through Agriculture Research
Institute, Nicosia, Cyprus.

Received July 1978.

432340. Collected February 23, 1978. Kiti, Larnaca District.
From a farmer. Local name Kriatokolokia. Fruit long.
Cultivated. Seed.

432341. Collected May 03, 1978. Alekhtora, Limassol District.
From a farmer. Local name Kriatokolokia. Fruit long.
Cultivated. Seed.

432342. Collected May 17, 1978. Peyia, Paphos District. From a
farmer. Local name Kriatokolokia. Fruit long. Cultivated.
Seed.

432343. *Lathyrus ochrus* (L.) DC. (Fabaceae).

From Cyprus. Collected by R. Provvidenti, Plant Pathology
Department, New York State Agricultural Experiment Station,
Geneva, New York. Received through Agriculture Research
Institute, Nicosia, Cyprus.

Received July 1978.

432343-continued

Collected May 09, 1978. Astromeritis, Nicosia District. From a farmer. Local name Louvana. Used for green salad. Cultivated. Seed.

432344. *Vigna unguiculata* subsp. *sesquipedalis* (L.) Verdc. (Fabaceae)
Yard-long bean.

From Cyprus. Collected by R. Provvidenti, Plant Pathology Department, New York State Agricultural Experiment Station, Geneva, New York. Received through Agriculture Research Institute, Nicosia, Cyprus. Received July 1978.

Collected May 16, 1978. Polis, Paphos District. From a farmer. Local name Louvi Kallopistikon. Cultivated. Seed.

432345. *Vigna unguiculata* (L.) Walp. subsp. *unguiculata* (Fabaceae)
Southern pea.

From Cyprus. Collected by R. Provvidenti, Plant Pathology Department, New York State Agricultural Experiment Station, Geneva, New York. Received through Agriculture Research Institute, Nicosia, Cyprus. Received July 1978.

Collected June 06, 1978. Zyvi, Larnaca District. From a farmer. Local name Louvi. Cultivated. Seed.

432346. *Pinus eldarica* Medw. (Pinaceae).

From Soviet Union. Donated by State Committee for Forestry of USSR Council of Ministers, Moscow. Received through P. J. Wood, Department of Forestry, University of Oxford, Oxford, England. Received March 1979.

66/78. Azerbaijan SSR. Tree. Seed.

432347. *Populus x canadensis* Moench (Salicaceae).

From United States. Held by Rose Lake Plant Materials Center, Soil Conservation Service, USDA, East Lansing, Michigan. Received March 1979.

Mich-88. 'Imperial'. MI-5514. Received as botanical variety *eugenei*. Tree. Cultivated. Cultivar.

432348. *Simmondsia chinensis* (Link) C. Schneid. (Buxaceae) Jojoba.

From United States. Held by Tucson Plant Materials Center, Soil Conservation Service, USDA, Tucson, Arizona.

Received March 1979.

AZ-3257. Pima County, Arizona. 1200m. Collected by Hinckley & Davis. Perennial woody. Wild.

432349. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Peru. Collected by O. W. Norvell, Stanford University, Palo Alto, California.

Received March 1979.

P 8569. Lima. Cultivated. Seed.

432350 TO 432351. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From Peru. Collected by O. W. Norvell, Stanford University, Palo Alto, California.

Received March 1979.

432350. P 7792. Lima. Seeds white. Cultivated. Seed.

432351. P 7795. Lima. Seeds light yellow. Cultivated. Seed.

432352 TO 432357. *Zea mays* L. (Poaceae) Field corn.

From Peru. Collected by O. W. Norvell, Stanford University, Palo Alto, California.

Received March 1979.

432352. P 8601. Puno. Cultivated. Seed.

432353. P 8602. Puno. Cultivated. Seed.

432354. P 8603. Puno. Cultivated. Seed.

432355. P 8604. Puno. Cultivated. Seed.

432356. P 8605. Puno. Kernels long and slender, mixed colors. Cultivated. Seed.

432357. P 8606. Kernels black. Used for food and as a vegetable dye. Cultivated. Seed.

432358. *Zea mays* L. (Poaceae) Sweet corn.

From United States. Donated by H. N. Metcalf, Plant and Soil

432358-continued

Science Department, Montana State University, Bozeman, Montana.
Received March 1979.

Originally from Bitterroot Valley, Ravalli County,
Montana. Local name bitterroot sweet corn. Probable
heritage open-pollinated type. Cultivated. Landrace. Seed

432359. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Mexico. Collected by O. W. Norvell, Stanford University,
Palo Alto, California.
Received March 1979.

M 8413. Guadalajara, Jalisco State. Cultivated. Seed.

432360. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Ecuador. Collected by O. W. Norvell, Stanford University,
Palo Alto, California.
Received March 1979.

E 8510. Quito. Cultivated. Seed.

432361. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From Ecuador. Collected by O. W. Norvell, Stanford University,
Palo Alto, California.
Received March 1979.

E 7838. Ctavalo. Seeds white. Cultivated. Seed.

**432362 TO 432363. *Lycopersicon pimpinellifolium* (L.) Mill.
(Solanaceae) Currant tomato.**

From United States. Collected by O. W. Norvell, Stanford
University, Palo Alto, California.
Received March 1979.

432362. Brownsville, Texas. Originally collected December 1926.
Late flowering. Fruit dries like raisins, sweetness
varies with environment. Cultivated. Seed.

432363. Originally from Thompson and Morgan Company, England.
Fruits large. Cultivated. Seed.

432364 TO 432376. *Brassica campestris* L. (Brassicaceae) Bird rape.

From Bangladesh. Donated by L. Rahman, Brassica Breeding Project,

432364 TO 432376--continued

Department of Genetics and Plant Breeding, Bangladesh Agricultural Univ., Mymensingh.

Received December 1978.

- 432364. BAU-M/2. Seed.
- 432365. BAU-M/3. Seed.
- 432366. BAU-M/12. Seed.
- 432367. BAU-M/18. Seed.
- 432368. BAU-M/25. Seed.
- 432369. BAU-M/26. Seed.
- 432370. BAU-M/27. Seed.
- 432371. BAU-M/37. Seed.
- 432372. BAU-M/38. Seed.
- 432373. BAU-M/39. Seed.
- 432374. BAU-M/41. Seed.
- 432375. BAU-M/86. Seed.
- 432376. BAU-M/90. Seed.

432377 TO 432390. Brassica juncea (L.) Czern. & Coss. (Brassicaceae)
Indian mustard.

From Bangladesh. Donated by L. Rahman, Brassica Breeding Project, Department of Genetics and Plant Breeding, Bangladesh Agricultural Univ., Mymensingh.

Received December 1978.

- 432377. BAU-M/1. Seed.
- 432378. BAU-M/7. Seed.
- 432379. BAU-M/8. Seed.
- 432380. BAU-M/11. Seed.
- 432381. BAU-M/14. Seed.
- 432382. BAU-M/16. Seed.
- 432383. BAU-M/17. Seed.

432377 TO 432390-continued

- 432384. BAU-M/19. Seed.
- 432385. BAU-M/21. Seed.
- 432386. BAU-M/23. Seed.
- 432387. BAU-M/24. Seed.
- 432388. BAU-M/126. Seed.
- 432389. BAU-M/128. Seed.
- 432390. BAU-M/140. Seed.

432391 TO 432395. Brassica napus L. (Brassicaceae) Rape.

From Bangladesh. Donated by L. Rahman, Brassica Breeding Project, Department of Genetics and Plant Breeding, Bangladesh Agricultural Univ., Mymensingh.
Received December 1978.

- 432391. BAU-M/49.
- 432392. BAU-M/50.
- 432393. BAU-M/53.
- 432394. BAU-M/58.
- 432395. BAU-M/71.

432396. Aeluropus litoralis (Gouan) Parl. (Poaceae).

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received February 1979.

MS-4483. Soviet Union. A-1655.

432397. Agropyron cristatum (L.) Gaertn. (Poaceae) Fairway crested wheatgrass.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received February 1979.

MS-4467. CR-3.

432398. *Agropyron x pseudorepens* Scribn. & Smith (Poaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received February 1979.

MS-4704. Boone County, Arkansas. Collected July 1958 by
A. Heirman. Seed.

432399 TO 432402. *Agropyron smithii* Rydb. (Poaceae) Western wheatgrass.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received February 1979.

432399. MS-4402. PMT-905. EN-19824.

432400. MS-4406. PMT-662. EN-19823.

432401. MS-4477. M-1032.

432402. MS-4645. 'Arriba'. EN-10867. C-30. West of Flagler, Kit
Carson County, Colorado. Collected August 17, 1957 by J.
A. Downs. Joint release of New Mexico and Colorado
Agricultural Experiment Station and Soil Conservation
Service, U.S. Department of Agriculture. Perennial herb.
Cultivar.

432403 TO 432404. *Agropyron trachycaulum* (Link) Malte ex H. F. Lewis
(Poaceae) Slender wheatgrass.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received February 1979.

432403. MS-4478. M-1030.

432404. MS-4479. M-1054.

432405. *Agrostis stolonifera* L. var. *palustris* (Huds.) Farw. (Poaceae)
Creeping bentgrass.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received February 1979.

MS-3157. Boone County, Arkansas. Collected September

432405-continued

1969 by M. Sharp. Seed.

432406. *Ajuga* sp. (Lamiaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received February 1979.

MS-3681. Yalobusha County, Mississippi. Collected September 1971 by L. Stebbing.

432407. *Akebia quinata* (Thunb.) Decne. (Lardizabalaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received February 1979.

MS-3211. MI-1100.

432408. *Alnus glutinosa* (L.) Gaertn. (Betulaceae) Black alder.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received February 1979.

MS-2583. Mich-823. AM-2025. DuPage County, Illinois.
Tree.

432409 TO 432410. *Alnus rugosa* (Du Roi) Spreng. (Betulaceae) Hazel alder.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received February 1979.

432409. MS-2936B. Webster County, Mississippi. Collected November 1968 by J. H. Adams. Tree. Seed.

432410. MS-4693. BN-19798. AM-2363. Tree.

432411. *Alnus serrulata* (Ait.) Willd. (Betulaceae) Hazel alder.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture,

432411-continued

Coffeerville, Mississippi.
Received February 1979.

MS-4116. KY-836. Breathitt County, Kentucky. Tree.

432412. *Alnus* sp. (Betulaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received February 1979.

MS-4357. Washington County, Arkansas. Collected April
1976 by K. Blan. Tree. Plants.

432413. *Amelanchier alnifolia* (Nutt.) Nutt. (Rosaceae) Saskatoon
serviceberry.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received February 1979.

MS-4698. Drew County, Arkansas. Collected June 1978 by R.
Grizzell. Tree. Seed.

432414. *Amelanchier arborea* (Michx. f.) Fern. (Rosaceae) Downy
serviceberry.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received February 1979.

MS-4418. Boone County, Arkansas. Collected February 1977
by A. Heirman. Tree. Plants.

432415. *Amorpha fruticosa* L. (Fabaceae) Indigobush.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received February 1979.

MS-3602. PMT-2299. Tree.

432416. *Andropogon gerardii* Vitm. (Poaceae) Big bluestem.

From United States. Held by Coffeerville Plant Materials Center,

432416-continued

Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received February 1979.

MS-4019. Independence County, Arkansas. Collected
November 1973 by W. Lytle. Seed.

432417. Anisacanthus wrightii (Torr.) A. Gray (Acanthaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received February 1979.

MS-4371. PMT-1230. AM-3320. Perennial woody.

432418. Arctostaphylos uva-ursi (L.) Spreng. (Ericaceae) Bearberry.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received February 1979.

MS-3682. EN-8967. AM-3440. Perennial herb.

432419. Aronia arbutifolia (L.) Pers. (Rosaceae) Red chokeberry.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received February 1979.

MS-2450. AM-2299. Yalobusha County, Mississippi.
Collected November 1966 by J. H. Adams. Tree. Seed.

432420 TO 432432. Arundo donax L. (Poaceae) Giant reed.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received February 1979.

432420. MS-4083. Yalobusha County, Mississippi. Collected March
1974 by J. H. Adams. Plants.

432421. MS-4103. Natchitoches County, Louisiana. Collected
February 1975 by C. Thompson. Plants.

432422. MS-4106. PMT-3724.

432420 TO 432432-continued

432423. MS-4123-A. TN-01.

432424. MS-4157. KY-1849.

432425. MS-4193. PMT-2357.

432426. MS-4194. PMT-2968.

432427. MS-4196. PMT-2347. AM-797.

432428. MS-4197. PMT-2964.

432429. MS-4198. PMT-2390.

432430. MS-4199. PMT-2358.

432431. MS-4200. PMT-2794.

**432432. MS-4364. Randolph County, Georgia. Collected April 1976
by J. P. Bradley. Plants.**

432433. *Asimina triloba* (L.) Dunal (Annonaceae) Pawpaw.

**From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received February 1979.**

**MS-4159. DeKalb County, Tennessee. Collected September
1975 by C. Dillon. Tree. Seed.**

**432434 TO 432438. *Atriplex canescens* (Pursh) Nutt. (Chenopodiaceae)
Fourwing saltbush.**

**From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received February 1979.**

432434. MS-4408. PMT-1041.

432435. MS-4570. PMT-2828.

432436. MS-4584. PMT-626.

432437. MS-4585. PMT-1044.

432438. MS-4589. PMT-2831.

**432439 TO 432440. *Atriplex semibaccata* R. Br. (Chenopodiaceae)
Australian saltbush.**

**From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received February 1979.**

**432439. MS-4587. 'Corto'. P-15653. Released by Soil Conservation
Service, U.S. Department of Agriculture and Arizona
Agricultural Experiment Station. Plants low-growing,
spreading, good seeder. Monoecious. Perennial herb.
Cultivated. Cultivar. Seed.**

432440. MS-4649. P-15654.

432441 TO 432445. *Cucurbita ecuadorensis* Cult. & Whit. (Cucurbitaceae).

**From Ecuador. Collected by H. M. Munger, Department of Plant
Breeding and Biometry, Cornell University, Ithaca, New York.
Received January 1979.**

**432441. Collected January 01, 1978. Entrance to INIAP Research
Station near Portoviejo. Flesh white, very bitter. Annual.
Wild. Seed.**

**432442. Collected February 14, 1978. Km 36 west on road from
Guayaquil to Santa Elena. Annual. Wild. Seed.**

**432443. Collected February 14, 1978. Km 42 west on road from
Guayaquil to Santa Elena. Roadside. Fruits hanging from
shrubby trees. Annual. Wild. Seed.**

**432444. Collected June 29, 1978. Near buildings of INIAP
Research Station's seed farm, Portoviejo. Local name Chia.
Annual. Wild. Seed.**

**432445. Collected June 30, 1978. North 2 km of Casco on road
from Manta to Guayaquil. Local name Chia. No bitterness
in thin flesh and little in placenta. Annual. Wild. Seed.**

**432446 TO 432449. *Cucurbita ficifolia* Bouche (Cucurbitaceae) Figleaf
gourd.**

**From Ecuador. Collected by H. M. Munger, Department of Plant
Breeding and Biometry, Cornell University, Ithaca, New York.
Received January 1979.**

**432446. Collected March 1977. From Segundo Freire, University of
Ambato. Local name Zambo Blanco. Annual. Wild. Seed.**

432447. Collected March 1977. From farm of Julio Hernandez,

432446 TO 432449--continued

Chambo. Local name Zambo. Annual. Wild. Seed.

432448. Collected March 1977. Market in Cuenca. Local name Zambo. Annual. Wild. Seed.

432449. Collected March 1977. Market in Otavalo. Local name Zambo. Annual. Wild. Seed.

432450 TO 432452. Cucurbita maxima Duch. (Cucurbitaceae) Winter squash.

From Ecuador. Collected by H. M. Munger, Department of Plant Breeding and Biometry, Cornell University, Ithaca, New York. Received January 1979.

432450. From INIAP Experiment Station, Santa Catalina near Quito. Local name Zapallo. Annual. Cultivated. Seed.

432451. Collected March 1977. From farm of Julio Hernandez, Chambo. Annual. Cultivated. Seed.

432452. Collected January 1978. Market in Santa Clara, Quito. Fruit large with fairly thick, dark orange flesh. Rind gray, wrinkled. Cooking quality good. Annual. Cultivated. Seed.

432453 TO 432455. Cucurbita moschata (Duch.) Duch. ex Poir. (Cucurbitaceae) Squash.

From Ecuador. Collected by H. M. Munger, Department of Plant Breeding and Biometry, Cornell University, Ithaca, New York. Received January 1979.

432453. From Joseph Blakeslee, agricultural missionary, Limoncocha (eastern jungle). Native squash. Fruit tan somewhat like butternut with long, straight neck. Annual. Cultivated. Seed.

432454. From Joseph Blakeslee, agricultural missionary, Limoncocha (eastern jungle). Grown locally by Quichua Indian. Annual. Cultivated. Seed.

432455. Along highway near km 59 marker from Santa Domingo to Quevedo. Fruit small, oval, green with orange stripes. Rind very hard. Flesh dark orange but shallow. Peduncle moschata-like. Apparently a volunteer plant. Annual. Cultivated. Seed.

432456. Cucurbita pepo L. (Cucurbitaceae) Pumpkin.

From Ecuador. Collected by H. M. Munger, Department of Plant

432456--continued

Breeding and Biometry, Cornell University, Ithaca, New York.
Received January 1979.

Collected March 1977. From Segundo Freire, University of
Ambato. Local name Castellano Grande. Annual. Cultivated.
Seed.

432457 TO 432473. Avena fatua L. (Poaceae) Wild oats.

From United States. Donated by H. G. Marshall, U. S. Department
of Agriculture, SEA-AR, Department of Agronomy, Pennsylvania State
University, University Park, Pennsylvania. Code numbers refer to
selections made by C. A. Suneson, USDA, University of
California, Davis.

Received March 1979.

- 432457. CAS 1. Growth habit decumbent. Fall germinating. Wild.
Seed.
- 432458. CAS 11. Sacramento Valley, California. Growth habit
decumbent. Fall germinating. Cold tolerant. Wild. Seed.
- 432459. CAS 16. Growth habit decumbent. Fall germinating. Wild.
Seed.
- 432460. CAS 18. Growth habit decumbent. Fall germinating. Wild.
Seed.
- 432461. CAS 22. Sacramento Valley, California. Growth habit
decumbent. Fall germinating. Cold tolerant. Wild. Seed.
- 432462. CAS 26. Sacramento Valley, California. Growth habit
decumbent. Fall germinating. Cold tolerant. Wild. Seed.
- 432463. CAS 34. Sacramento Valley, California. Growth habit
decumbent. Fall germinating. Cold tolerant. Wild. Seed.
- 432464. CAS 52. High Mountain Valley, Montana. Growth habit
decumbent. Fall germinating. Cold tolerant. Wild. Seed.
- 432465. CAS 52-2. High Mountain Valley, Montana. Growth habit
decumbent. Fall germinating. Wild. Seed.
- 432466. CAS 55. High Mountain Valley, Montana. Growth habit
decumbent. Fall germinating. Cold tolerant. Wild. Seed.
- 432467. CAS 58. Growth habit decumbent. Fall germinating. Wild.
Seed.
- 432468. CAS 62. Northwestern states. Growth habit decumbent.
Fall germinating. Cold tolerant. Wild. Seed.

432457 TO 432473-continued

- 432469. CAS 67. Northwestern states. Growth habit decumbent. Fall germinating. Cold tolerant. Wild. Seed.
- 432470. CAS 69. Northwestern states. Growth habit decumbent. Fall germinating. Cold tolerant. Wild. Seed.
- 432471. CAS 91. Growth habit decumbent. Fall germinating. Wild. Seed.
- 432472. CAS 92. Growth habit decumbent. Fall germinating. Annual. Wild. Seed.
- 432473. CAS 94. Growth habit decumbent. Fall germinating. Annual. Wild. Seed.

432474 TO 432495. *Avena sterilis* L. subsp. *ludoviciana* (Dur.) Gillet & Magne (Poaceae).

From United States. Donated by H. G. Marshall, U.S. Department of Agriculture, SEA-AR, Department of Agronomy, Pennsylvania State University, University Park, Pennsylvania. Received through D. W. McNamara, New South Wales, Department of Agriculture, Australia.

Received March 1979.

- 432474. Australia. New South Wales. 001. Some cold tolerance. Wild. Seed.
- 432475. Australia. New South Wales. 002. Some cold tolerance. Wild. Seed.
- 432476. Australia. New South Wales. 002-1. Some cold tolerance. Wild. Seed.
- 432477. Australia. New South Wales. 003. Some cold tolerance. Wild. Seed.
- 432478. Australia. New South Wales. 004. Some cold tolerance. Wild. Seed.
- 432479. Australia. New South Wales. 005. Some cold tolerance. Wild. Seed.
- 432480. Australia. New South Wales. 006. Some cold tolerance. Wild. Seed.
- 432481. Australia. New South Wales. 007. Some cold tolerance. Wild. Seed.
- 432482. Australia. New South Wales. 008. Some cold tolerance. Wild. Seed.

432474 TO 432495-continued

432483. Australia. New South Wales. 009. Some cold tolerance.
Wild. Seed.
432484. Australia. New South Wales. 010. Some cold tolerance.
Wild. Seed.
432485. Australia. New South Wales. 011. Some cold tolerance.
Wild. Seed.
432486. Australia. New South Wales. 012. Some cold tolerance.
Wild. Seed.
432487. Australia. New South Wales. 013. Some cold tolerance.
Wild. Seed.
432488. Australia. New South Wales. 014. Some cold tolerance.
Wild. Seed.
432489. Australia. New South Wales. 015. Some cold tolerance.
Wild. Seed.
432490. Australia. New South Wales. 016. Some cold tolerance.
Wild. Seed.
432491. Australia. New South Wales. 017. Some cold tolerance.
Wild. Seed.
432492. Australia. New South Wales. 018. Some cold tolerance.
Wild. Seed.
432493. Australia. New South Wales. 019. Some cold tolerance.
Wild. Seed.
432494. Australia. New South Wales. 020. Some cold tolerance.
Wild. Seed.
432495. Australia. New South Wales. 021. Some cold tolerance.
Wild. Seed.

432496. *Vigna unguiculata* (L.) Walp. subsp. *unguiculata* (Fabaceae)
Southern pea.

From Nigeria. Donated by International Institute of Tropical
Agriculture, Ibadan.
Received June 1978.

Vita 1. Annual. Cultivated. Breeding material. Seed.

432497 TO 432500. *Hordeum vulgare* L. (Poaceae) Barley.

From Canada. Donated by R. Loiselle, The Plant Gene Resources of

432497 TO 432500--continued

Canada, Research Branch, Canada Department of Agriculture, Ottawa, Ontario.

Received March 1979.

432497. 'Atlanta'. Canada. Prince Edward Island. Research Station, Agriculture Canada. Spring type. Two row. Annual. Cultivated. Cultivar. Seed.

432498. 'Bruce'. Canada. Ontario Cereal Project Group. CN00001820. Spring type. Six row. Annual. Cultivated. Cultivar. Seed.

432499. 'Fairfield'. Canada. Lethridge, Alberta. Research Station, Agriculture Canada. Spring type. Two row. Annual. Cultivated. Cultivar. Seed.

432500. 'Klondike'. Canada. Brandon, Manitoba. Research Station, Agriculture Canada. Spring type. Six row. Annual. Cultivated. Cultivar. Seed.

432501 TO 432502. *Triticum aestivum* L. (Poaceae) Common wheat.

From Canada. Donated by E. Loiselle, The Plant Gene Resources of Canada, Research Branch, Canada Department of Agriculture, Ottawa, Ontario.

Received March 1979.

432501. 'Chester'. Canada. Lethbridge, Alberta. Research Station, Agriculture Canada. Hard red spring type. Annual. Cultivated. Cultivar. Seed.

432502. 'Concorde'. Canada. Quebec. St. Hyacinthe Research Station. Spring type. Annual. Cultivated. Cultivar. Seed.

432503. *Oryza sativa* L. (Poaceae) Rice.

From Philippines. Donated by The International Rice Research Institute, Manila.

Received March 1979.

IRRI 39180. Thailand. BKN 6990-63. See PI series 431465-431499. Annual. Cultivated. Breeding material. Seed.

432504 TO 432524. *Helianthus annuus* L. (Asteraceae) Common sunflower.

From United States. Collected by Gary Nabhan, Department of Plant Sciences, University of Arizona, Tucson, Arizona.

Received October 1978.

432504. GN 871. Collected August 05, 1978. Hopi Indian

432504 TO 432524-continued

- Reservation, Shungopovi Village, Navajo County, Arizona. Dry farmed on sand dunes field below mesa. Achenes blue-black. Used as a dye. Local name Hopi dye. Annual. Cultivated. Landrace. Seed.
432505. GN 874. Collected August 15, 1978. Hopi Indian Reservation, Hotevilla, Navajo County, Arizona. Sand dune dooryard garden. Plants to 5m tall, some multi-headed. Achenes striped. Introduced cultivar. Annual. Cultivated. Seed.
432506. GN 878. Collected August 15, 1978. Hopi Indian Reservation, Navajo County, Arizona. Below first mesa at field edge, sandy soil. Floodplain. Plants 3m, multi-headed. Weedy type. Annual. Wild. Seed.
432507. GN 880. Collected August 16, 1978. Hopi Indian Reservation, Shungopovi Village, Navajo County, Arizona. Mesa sidefield. Achenes blue-black. Used as dye and medicinally. Local name Hopi dye. Annual. Cultivated. Landrace. Seed.
432508. GN 882. Collected August 15, 1978. Hopi Indian Reservation, Hotevilla, Navajo County, Arizona. Field below third mesa. Achenes blue-black. Used as dye. Local name Hopi dye. Annual. Cultivated. Landrace. Seed.
432509. GN 883. Collected August 15, 1978. Hopi Indian Res., Lower Moenkopi, north of hwy. Coconino County, Arizona. Field irrigated from river diversion. Plants volunteers from previous crop, single and multi-headed. Achenes black. Local name Hopi dye. Cultivated. Seed.
432510. GN 885. Collected August 15, 1978. Hopi Indian Reservation, Lower Moenkopi, Coconino County, Arizona. Field irrigated from river diversion. Achenes blue-black, some with gray margins. Possible hybrid of local type with mammoth Russian type. Used as dye. Annual. Cultivated. Primitive cultivar. Seed.
432511. GN 887. Collected August 19, 1978. Havasupai Indian Res., Supai Village, Grand Canyon, Coconino Co., Arizona. Dooryard garden. Achenes blue-black, gray-striped. Mixture of two folk cultivars. Used for dye and nut butter. Annual. Cultivated. Landrace. Seed.
432512. GN 883. Collected August 19, 1978. Havasupai Indian Res., Supai Village, Grand Canyon, Coconino Co., Arizona. Dooryard garden. Plants 2-4m tall. Achenes blue-black. Related to Hopi dye. Annual. Cultivated. Landrace. Seed.
432513. GN 894. Collected August 19, 1978. Havasupai Indian Res., Supai Village, Grand Canyon, Coconino Co., Arizona.

432504 TO 432524-continued

- Houseyard. Plants 1.5 m tall, single headed, volunteers. Heads droop. Achenes blue-black. Related to Hopi dye. Annual. Cultivated. Landrace. Seed.
- 432514.** GN 901. Collected August 20, 1978. Havasupai Indian Res., Supai Village, Grand Canyon, Coconino Co., Arizona. Garden. Achenes brown, gray or black striped. Used for nut butter. Annual. Cultivated. Landrace. Seed.
- 432515.** GN 905. Collected September 02, 1978. Zuni Indian Reservation, Zuni Village, McKinley County, New Mexico. Dooryard garden. Achenes striped. Grown for many years, originally from Pueblo Indians, Rio Grande. Annual. Cultivated. Landrace. Seed.
- 432516.** GN 910. Collected September 03, 1978. Pueblo Indians, Jemez, Sandoval County, New Mexico. Achenes golden-brown striped. Grown for several years. Annual. Cultivated. Landrace. Seed.
- 432517.** GN 913. Collected September 03, 1978. From Hispanic woman, Las Trompas, Rio Arriba County, New Mexico. Achenes black and white striped. Regular garden volunteer. Annual. Cultivated. Landrace. Seed.
- 432518.** GN 914. Collected September 04, 1978. Pueblo Indians, Santo Domingo, Sandoval County, New Mexico. Dooryard garden. Achenes black and white striped. Recently introduced to area. Annual. Cultivated. Primitive cultivar. Seed.
- 432519.** GN 917. Collected September 05, 1978. From Pueblo Indian man, Laguna, Valencia County, New Mexico. Garden, hand-watered. Achenes black-gray, limited striping. Native type. Annual. Cultivated. Landrace. Seed.
- 432520.** GN 918. Collected September 06, 1978. Pueblo Indian Acoma Reservation, McCarty Village, Valencia Co., New Mexico. Dooryard garden. Achenes wide, striped. Annual. Cultivated. Landrace. Seed.
- 432521.** GN 919. Collected September 06, 1978. Pueblo Indian Acoma Reservation, Anzac Village, Valencia County, New Mexico. Dooryard garden. Achenes striped. Originally from birdfeed mix. Annual. Cultivated. Seed.
- 432522.** GN 990. Collected September 22, 1978. Pueblo Indian Reservation, Laguna Village, Valencia County, New Mexico. Dooryard garden, hand-watered. Plants about 1.3 m tall. Achenes black, some with white edge stripes. Annual. Cultivated. Landrace. Seed.
- 432523.** GN 995. Collected September 01, 1978. Jemez Pueblo

432504 TO 432524-continued

Indian Reservation, Jemez, Sandoval County, New Mexico. Garden. Achenes gray and white striped. Modern introduced cultivar. Annual. Cultivated. Cultivar. Seed.

- 432524.** GN 996. Collected September 01, 1978. Laguna Pueblo Indian Reservation, Pagvate Village, Valencia Co., New Mexico. Dooryard garden. Achenes blue-black with faint gray markings, small. May be native type. Annual. Cultivated. Landrace. Seed.

**432525. *Proboscidea louisianica* (Mill.) Thell. (Martyniaceae)
Devilsclaw.**

From United States. Collected by Gary Nabhan, Department of Plant Sciences, University of Arizona, Tucson, Arizona.
Received October 1978.

GN 922. Collected October 08, 1978. West of Lovington, 12 km on hwy 82, Lea County, New Mexico. Disturbed soil along fence. Corollas pale pink-white with yellow dots. Seeds black. Fruit small. Wild. Seed.

**432526 TO 432539. *Proboscidea parviflora* (Woot.) Woot. & Standl.
(Martyniaceae) Devilsclaw.**

From United States. Collected by Gary Nabhan, Department of Plant Sciences, University of Arizona, Tucson, Arizona.
Received October 1978.

- 432526.** GN x569. Collected November 01, 1976. Papago Indian Reservation, Santa Rosa, Pima County, Arizona. Roadside. Seeds white. Fruit long. Cultivated. Landrace. Seed.
- 432527.** GN 584I. Collected August 01, 1978. Havasupai Indians, Supai village, Grand Canyon, Coconino County, Arizona. Irrigated. Seeds white. Fruit long. Used for basketry fiber. Cultivated. Landrace. Seed.
- 432528.** GN 609x. Collected August 05, 1977. Papago Indian Reservation, Pima County, Arizona. Dooryard garden. Seeds white. Fruit long, some multi-carpelled. Productive. Cultivated. Landrace. Seed.
- 432529.** GN 610c. Collected August 05, 1977. Papago-Pima Indians, near Blackwater Trading Post, Pinal County, Arizona. Seeds black. Fruit short, multi-carpelled with two to four claws. Wild. Seed.
- 432530.** GN 870. Collected August 10, 1978. Papago-Pima Indian Reservation, Big Fields, Pima County, Arizona. Grown in floodwater field. Seeds white. Fruit very long. Used for

432526 TO 432539--continued

fiber. Cultivated. Landrace. Seed.

432531. GN 884b. Collected August 10, 1978. Hopi Indians. Lower Moenkopi, Coconino County, Arizona. Irrigated. Plants 1.3m across. Seeds white. Fruit large. Introduced from another tribe. Cultivated. Landrace. Seed.
432532. GN 895a. Collected August 19, 1978. Havasupai Indian Res., Supai village, Grand Canyon, Cococino Co., Arizona. Old field. Seeds white. Fruit long. Cultivated. Landrace. Seed.
432533. GN 895b. Collected August 19, 1978, Havasupai Indian Res., Supai village, Grand Canyon, Cococino Co., Arizona. Old field. Seeds black. Fruit shorter than GN 895a. Wild. Seed.
432534. GN 1017. Collected July 24, 1978. Pima Indian Gila E. Res., Bapchule-Sacrate Arts Ctr., Pinal Co., Arizona. Irrigated. Seeds white. Fruit long. Cultivated. Landrace. Seed.
432535. GN 1026. Collected July 25, 1978. Yavapai-Apache Reservation, Middle Verde, Yavapai County, Arizona. Weed in abandoned forage field. Seeds black. Fruit short. Wild. Seed.
432536. GN 1028. Collected August 01, 1978. Papago Indian Reservation, Queen's Well near Schuk, Pima County, Arizona. Dooryard garden. Seeds white. Fruit long. Cultivated. Landrace. Seed.
432537. GN 1031b. Collected August 12, 1978. Apache Indian Reservation, San Carlos, Gila County, Arizona. Dooryard garden. Seeds white. Fruit long. Cultivated. Landrace. Seed.
432538. GN 1035a. Collected August 12, 1978. Fort Apache Reservation, Cibecue, Graham County, Arizona. Plants volunteer in orchard-garden. Seeds white. Fruit long. Cultivated. Landrace. Seed.
432539. GN 1035b. Collected August 15, 1978. Hopi Indian Reservation below Old Oraibi mesa, Navajo County, Arizona. Weed in sand dunes field. Seeds black. Fruit short. Wild. Seed.

432540. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From United States. Donated by C. O. Pike, St. Clair, Michigan.
Received January 1979.

Pike bean-CM. Selection started in Massachusetts in late 1920's. Tested from Mississippi to Canada. Bush type, highly productive. Seed red-purple, heavily straited with pink. Used as dry or horticultural bean. Cultivated. Primitive cultivar. Seed.

432541. Zea mays L. (Poaceae) Sweet corn.

From Brazil. Donated by E. Paterriani, ESA "LQ"-USP, Department of Genetics, Piracicaba.
Received January 1979.

Doce de Cuba. Resistant to corn earworm. Seed.

432542. Zea mays L. (Poaceae) Field corn.

From Brazil. Donated by C. Rossetto, Secao de Entomologia, Instituto Agronomico, Campinas.
Received January 1979.

Zapalote Chico X Maya. F 2. Resistant to corn earworm. Seed.

432543. Leucaena leucocephala (Lam.) de Wit (Fabaceae) Leadtree.

From Swaziland. Donated by Chief Research Officer, Ministry of Agriculture, Malkerns Research Station, Malkerns.
Received January 1979.

Seed.

432544 TO 432550. Papaver bracteatum Lindl. (Papaveraceae) Great scarlet poppy.

From Israel. Donated by D. Palevitch, The Volcani Center, Agricultural Research Organization, Bet Dagan.
Received January 1979.

432544. 49-1. Superior thebaine line. Breeding material. Seed.

432545. 49-3. Superior thebaine line. Breeding material. Seed.

432546. 51-2. Superior thebaine line. Breeding material. Seed.

432547. 65-5. Superior thebaine line. Breeding material. Seed.

432548. 69-A-3. Superior thebaine line. Breeding material. Seed.

432549. 69-4. Superior thebaine line. Breeding material. Seed.

432550. 70-D-4. Superior thebaine line. Breeding material. Seed.

432551 TO 432553. *Oryza sativa* L. (Poaceae) Rice.

From China, Peoples Repub of. Donated by China Seed Company,
T'ung Hsien Company, Beijing.
Received March 1979.

432551. Chin A 057. Seed.

432552. Li A 057. Seed.

432553. Tsao A 057. Seed.

432554. *Oryza sativa* L. (Poaceae) Rice.

From Japan. Donated by J. Kawakami, Division of Genetics,
National Institute of Agricultural Sciences, Hiratsuka,
Kanagawa.
Received January 1979.

H-1591. Ginbozmidashi. Seed.

432555. *Oryza glaberrima* Steud. (Poaceae) African rice.

From Philippines. Donated by International Rice Research
Institute, Manila.
Received March 1979.

Acc 100149. Heat tolerant. Medium maturity group.
Breeding material. Seed.

432556 TO 432580. *Oryza sativa* L. (Poaceae) Rice.

From Philippines. Donated by International Rice Research
Institute, Manila.
Received March 1979.

432556. DNJ 126. Heat tolerant. Early maturity group. Breeding
material. Seed.

432557. E 425. Heat tolerant. Early maturity group. Breeding
material. Seed.

432558. IET2684(CR34-16) TKM6/TN1. Heat tolerant. Early maturity
group. Breeding material. Seed.

432559. IET3268(C633) Cul. 340/Kanchi. Heat tolerant. Early
maturity group. Breeding material. Seed.

432560. IET4094(CR156-5021-207) BU1/CR115. Heat tolerant. Early
maturity group. Breeding material. Seed.

432556 TO 432580-continued

432561. IET4105(CR148-6023-215) CR141/Pusa 2-21. Heat tolerant. Early maturity group. Breeding material. Seed.
432562. IET4658(UPR96-1-1-1) IR24/IR22. Heat tolerant. Early maturity group. Breeding material. Seed.
432563. IET4897(AD-1140) Sel. from C4-63. Heat tolerant. Early maturity group. Breeding material. Seed.
432564. IR2006-P12-12-2-2 IR1103-15/IR1163-124///IR22//Mudgo/IR8. Heat tolerant. Early maturity group. Breeding material. Seed.
432565. IR3941-97-1 CR126-42-5/IR2061-213. Heat tolerant. Early maturity group. Breeding material. Seed.
432566. IR9208-22-2-2 IR2061-427-1-17-7-5/IR1632-93//IR30. Heat tolerant. Early maturity group. Breeding material. Seed.
432567. IR9209-89-1-1 IR2061-465-1/IR2053-521//IR2070-625. Heat tolerant. Early maturity group. Breeding material. Seed.
432568. IR9403-3-1-1 CO21/IR28//IR2153-14-1-6. Heat tolerant. Early maturity group. Breeding material. Seed.
432569. IR9403-96-2-3 CO21/IR28//IR2153-14-1-6. Heat tolerant. Early maturity group. Breeding material. Seed.
432570. Krishna. Heat tolerant. Early maturity group. Breeding material. Seed.
432571. N22. Heat tolerant. Early maturity group. Breeding material. Seed.
432572. Pusa 2-21. Heat tolerant. Early maturity group. Breeding material. Seed.
432573. IR 2006-P12-12-3-2. Heat tolerant. Early maturity group. Breeding material. Seed.
432574. IET5085(RP825-70-7-1) Vijaya/Ptb21. Heat tolerant. Medium maturity group. Breeding material. Seed.
432575. IET5236(RP825-24-7-5) Vijaya/Ptb21. Heat tolerant. Medium maturity group. Breeding material. Seed.
432576. IR2798-115-2-3 IR1529-680-3/IR1913-41-2//IR1514A-E666. Heat tolerant. Medium maturity group. Breeding material. Seed.
432577. IR4427-51-6-3 IR2055-451-2/IR2061-464-4. Heat tolerant. Medium maturity group. Breeding material. Seed.

432556 TO 432580-continued

- 432578.** IR4482-5-3-9-5 IR20///BJ1/IR20//Nagkayat/EJ1. Heat tolerant. Medium maturity group. Breeding material. Seed.
- 432579.** C4-63. Heat susceptible check. Medium maturity group. Breeding material. Seed.
- 432580.** Local check. Medium maturity group. Breeding material. Seed.

432581 TO 432583. Phaseolus coccineus L. (Fabaceae) Scarlet runner bean.

From Netherlands. Donated by Ir. A. C. Zeven, Institute of Plant Breeding, Agricultural University, Wageningen.
Received March 1979.

- 432581.** I.V.P. 1.35. Witte pronker. From Barneveld. Seedcoat white. Cultivated. Landrace. Seed.
- 432582.** I.V.P. 1.40. Pronker. From Delft. Seedcoat white. Cultivated. Landrace. Seed.
- 432583.** I.V.P. 3.24. Pronkboon. From Aalsmeer. Seedcoat purple mottled. Cultivated. Landrace. Seed.

432584 TO 432711. Phaseolus vulgaris L. (Fabaceae) Garden bean.

From Netherlands. Donated by Ir. A. C. Zeven, Institute of Plant Breeding, Agricultural University, Wageningen.
Received March 1979.

- 432584.** I.V.P. 1.01. Krombek. From Schoonebeek. Seedcoat white. Cultivated. Landrace. Seed.
- 432585.** I.V.P. 1.02. Eiboon. From Eindhoven. Seedcoat white. Cultivated. Landrace. Seed.
- 432586.** I.V.P. 1.03. Walcherse Witte. From Gatersleben. Seedcoat white. Cultivated. Landrace. Seed.
- 432587.** I.V.P. 1.04. Walcherse Witte Blanka. From Gatersleben. Seedcoat white. Cultivated. Landrace. Seed.
- 432588.** I.V.P. 1.06. Eiboon. From Zevenbergschenhoek. Seedcoat white. Cultivated. Landrace. Seed.
- 432589.** I.V.P. 1.07. Krombek. From Zwaan. Seedcoat white. Cultivated. Landrace. Seed.
- 432590.** I.V.P. 1.08. Krombek. From Tubergen. Seedcoat white.

432584 TO 432711--continued

- Cultivated. Landrace. Seed.
432591. I.V.P. 1.09. Krombek. From Willemse. Seedcoat white.
Cultivated. Landrace. Seed.
432592. I.V.P. 1.10. Krombek. From V. Namen. Seedcoat white.
Cultivated. Landrace. Seed.
432593. I.V.P. 1.11. Krombek. From I.V.T. Seedcoat white.
Cultivated. Landrace. Seed.
432594. I.V.P. 1.12. Krombek. From Sluis & Groot. Seedcoat white.
Cultivated. Landrace. Seed.
432595. I.V.P. 1.13. Krombek. From LPT. Seedcoat white.
Cultivated. Landrace. Seed.
432596. I.V.P. 1.14. Prelude stamslaboon. From LPT. Seedcoat
white. Cultivated. Landrace. Seed.
432597. I.V.P. 1.16. Eiboon. From Brielle. Seedcoat white.
Cultivated. Landrace. Seed.
432598. I.V.P. 1.18. Eiboon. From LPT. Seedcoat white.
Cultivated. Landrace. Seed.
432599. I.V.P. 1.19. Eiboon. From Beusichem. Seedcoat white.
Cultivated. Landrace. Seed.
432600. I.V.P. 1.20. Walcherse Witte. From I.V.T. Seedcoat white.
Cultivated. Landrace. Seed.
432601. I.V.P. 1.21. Schabenause. From Renkum. Seedcoat white.
Cultivated. Landrace. Seed.
432602. I.V.P. 1.22. Krombek. From Abbekerk I. Seedcoat white.
Cultivated. Landrace. Seed.
432603. I.V.P. 1.23. Krombek. From Abbekerk II. Seedcoat white.
Cultivated. Landrace. Seed.
432604. I.V.P. 1.24. Eiboon. From Andijk. Seedcoat white.
Cultivated. Landrace. Seed.
432605. I.V.P. 1.25. Krombek. From Andijk. Seedcoat white.
Cultivated. Landrace. Seed.
432606. I.V.P. 1.26. Eiboon. From Dalen. Seedcoat white.
Cultivated. Landrace. Seed.
432607. I.V.P. 1.28. Krombek Stokboon. From Dalen. Seedcoat
white. Cultivated. Landrace. Seed.

432584 TO 432711-continued

432608. I.V.P. 1.29. Krombek Stokboon. From Dalen. Seedcoat white. Cultivated. Landrace. Seed.
432609. I.V.P. 1.31. Knobbelboon. From Roggel. Seedcoat white. Cultivated. Landrace. Seed.
432610. I.V.P. 1.32. Kookboon. From Bearlo. Seedcoat white. Cultivated. Landrace. Seed.
432611. I.V.P. 1.33. Wit-rood boon. From Barneveld. Seedcoat white. Cultivated. Landrace. Seed.
432612. I.V.P. 1.34. Dikkontjes. From 's-Gravenhage. Seedcoat white. Cultivated. Landrace. Seed.
432613. I.V.P. 1.36. Witte platte stokboon. From Barneveld. Seedcoat white. Cultivated. Landrace. Seed.
432614. I.V.P. 1.37. Witboontje. From Barneveld. Seedcoat white. Cultivated. Landrace. Seed.
432615. I.V.P. 1.38. Witte stokboon. From Dinxperloo. Seedcoat white. Cultivated. Landrace. Seed.
432616. I.V.P. 1.39. Witte boon (Duitse Princes). From De Lier. Seedcoat white. Cultivated. Landrace. Seed.
432617. I.V.P. 2.01. Berna. From I.V.P. Seedcoat brown. Cultivated. Landrace. Seed.
432618. I.V.P. 2.02. Berna I. From LPT. Seedcoat brown. Cultivated. Landrace. Seed.
432619. I.V.P. 2.02. Kogelboon II. From LPT. Seedcoat brown. Cultivated. Landrace. Seed.
432620. I.V.P. 2.03. Kogelboon. From I.V.P. Seedcoat brown. Cultivated. Landrace. Seed.
432621. I.V.P. 2.04. Noordhollandse bruine. From Zwaan. Seedcoat brown. Cultivated. Landrace. Seed.
432622. I.V.P. 2.05. Aff. Berna. From Tubergen. Seedcoat brown. Cultivated. Landrace. Seed.
432623. I.V.P. 2.06. Aff. Berna. From Willelse. Seedcoat brown. Cultivated. Landrace. Seed.
432624. I.V.P. 2.07. Aff. Berna. From V. Namen. Seedcoat brown. Cultivated. Landrace. Seed.
432625. I.V.P. 2.08. Kogelboon. From Sluis. Seedcoat brown.

432584 TO 432711-continued

- Cultivated. Landrace. Seed.
432626. I.V.P. 2.09. Kogelboon. From Barneveld. Seedcoat brown. Cultivated. Landrace. Seed.
432627. I.V.P. 2.10. Aka. From LPT. Seedcoat brown. Cultivated. Landrace. Seed.
432628. I.V.P. 2.11. Aff. Berna. From Willems II. Seedcoat brown. Cultivated. Landrace. Seed.
432629. I.V.P. 2.12. Beka. From I.V.T. Seedcoat brown. Cultivated. Landrace. Seed.
432630. I.V.P. 2.13. Ceka. From I.V.T. Seedcoat brown. Cultivated. Landrace. Seed.
432631. I.V.P. 2.15. Chocolate bruine boon. From I.V.T. Seedcoat brown. Cultivated. Landrace. Seed.
432632. I.V.P. 2.16. Aff. Berna. From Brielle. Seedcoat brown. Cultivated. Landrace. Seed.
432633. I.V.P. 2.17. Aff. Berna. From I.V.P. Seedcoat brown. Cultivated. Landrace. Seed.
432634. I.V.P. 2.18. Aff. Berna. From Abbekerk. Seedcoat brown. Cultivated. Landrace. Seed.
432635. I.V.P. 2.19. Aka. From Cebeco. Seedcoat brown. Cultivated. Landrace. Seed.
432636. I.V.P. 2.20. Aff. Berna. From Dalen. Seedcoat brown. Cultivated. Landrace. Seed.
432637. I.V.P. 2.21. Dikpenskes. From Baflo. Seedcoat brown. Cultivated. Landrace. Seed.
432638. I.V.P. 2.22. Kogelboon. From Walcheren. Seedcoat brown. Cultivated. Landrace. Seed.
432639. I.V.P. 2.23. Rottekeutel. From Barneveld. Seedcoat brown. Cultivated. Landrace. Seed.
432640. I.V.P. 2.24. Rotters. From Voorthuizen. Seedcoat brown. Cultivated. Landrace. Seed.
432641. I.V.P. 2.25. Koffiebruineboon. From Vlaardingen. Seedcoat brown. Cultivated. Landrace. Seed.
432642. I.V.P. 2.27. Havanna bruineboon. From Beilen. Seedcoat brown. Cultivated. Landrace. Seed.

432584 TO 432711-continued

432643. I.V.P. 2.28. Kogelboon. From Emmeloord. Seedcoat brown. Cultivated. Landrace. Seed.
432644. I.V.P. 2.29. Leverkleurige boon. From LPT. Seedcoat brown. Cultivated. Landrace. Seed.
432645. I.V.P. 3.01. Grootzadige. From Zwaan. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432646. I.V.P. 3.02. Grootzadige. From Tubergen. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432647. I.V.P. 3.03. Grootzadige. From V. Namen. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432648. I.V.P. 3.04. Grootzadige I. From Wouda. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432649. I.V.P. 3.04. Kleinzadige II. From Wouda. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432650. I.V.P. 3.06. Renka. From I.V.T. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432651. I.V.P. 3.07. Grootzadige. From Wageningen. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432652. I.V.P. 3.08. Grootzadige. From Eng. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432653. I.V.P. 3.09. Grootzadige. From Wageningen II. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432654. I.V.P. 3.10. Grootzadige. From Wageningen III. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432655. I.V.P. 3.11. Renka. From LPT. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432656. I.V.P. 3.12. Kleinzadige. From Prakken. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432657. I.V.P. 3.13. Transvaalse bonte met draad. From LPT. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432658. I.V.P. 3.14. Grootzadige met afwijkende kleur. From Nieuwe Wetering. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432659. I.V.P. 3.15. Grootzadige. From Nieuwe Wetering. Seedcoat purple mottled. Cultivated. Landrace. Seed.

432584 TO 432711-continued

432660. I.V.P. 3.16. Grootzadige. From I.V.P. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432661. I.V.P. 3.17. Stokkievitsboon. From Nieuwe Wetering. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432662. I.V.P. 3.18. Stokkievitsboon. From Hoogmade. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432663. I.V.P. 3.19. Transvaalse bonte met draad. From I.V.T. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432664. I.V.P. 3.20. Transvaalse bonte zonder draad. From I.V.T. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432665. I.V.P. 3.21. Macedonische boon. From LPT. Collected in Macedonia. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432666. I.V.P. 3.22. Stokkievitsboon. From Prakken. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432667. I.V.P. 3.23. Roodbonte Krobben. From Prakken. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432668. I.V.P. 3.26. Kleinzadige. From Kootwijk. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432668. I.V.P. 3.27. Stokkievitsboon. From Andijk. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432670. I.V.P. 3.28. Kleinzadige. From Voorthuizen. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432671. I.V.P. 3.29. Grootzadige I A. From Dieren. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432672. I.V.P. 3.29. Grootzadige II B. From Dieren. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432673. I.V.P. 3.30. Rode Krobbe. From Molenend. Seedcoat mixed colors, mottled. Cultivated. Landrace. Seed.
432674. I.V.P. 3.31. Kievits boon. From Frankrgh. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432675. I.V.P. 3.32. Grootzadige. From Wageningen. Seedcoat purple mottled. Cultivated. Landrace. Seed.
432676. I.V.P. 3.33. Rode Kievit. From Castricum. Seedcoat purple mottled. Cultivated. Landrace. Seed.

432584 TO 432711-continued

432677. I.V.P. 4.01. Citroen. From Prakken. Seedcoat yellow.
Cultivated. Landrace. Seed.
432678. I.V.P. 4.02. Citroen. From LPT. Seedcoat yellow.
Cultivated. Landrace. Seed.
432679. I.V.P. 4.03. Citroen. From Zwaan. Seedcoat yellow.
Cultivated. Landrace. Seed.
432680. I.V.P. 4.04. Citroen. From V. Namen. Seedcoat yellow.
Cultivated. Landrace. Seed.
432681. I.V.P. 4.05. Citroen. From de Nijs. Seedcoat yellow.
Cultivated. Landrace. Seed.
432682. I.V.P. 4.06. Strogele. From I.V.T. Seedcoat yellow.
Cultivated. Landrace. Seed.
432683. I.V.P. 4.07. Strogele. From LPT. Seedcoat yellow.
Cultivated. Landrace. Seed.
432684. I.V.P. 4.08. Strogele I. From Koopman. Seedcoat yellow.
Cultivated. Landrace. Seed.
432685. I.V.P. 4.08. Strogele II. From Koopman. Seedcoat yellow.
Cultivated. Landrace. Seed.
432686. I.V.P. 4.09. Strogele. From Wouda. Seedcoat yellow.
Cultivated. Landrace. Seed.
432687. I.V.P. 4.10. Strogele. From St. Johannesga. Seedcoat
yellow. Cultivated. Landrace. Seed.
432688. I.V.P. 4.12. Strogele. From Siddeburen. Seedcoat yellow.
Cultivated. Landrace. Seed.
432689. I.V.P. 4.13. Strogele. From Winschoten. Seedcoat yellow.
Cultivated. Landrace. Seed.
432690. I.V.P. 4.14. Citroen. From Spitters. Seedcoat yellow.
Cultivated. Landrace. Seed.
432691. I.V.P. 4.15. Strogele. From Groningen. Seedcoat yellow.
Cultivated. Landrace. Seed.
432692. I.V.P. 4.16. Citroen. From Andijk. Seedcoat yellow.
Cultivated. Landrace. Seed.
432693. I.V.P. 4.17. Strogele. From Dalen. Seedcoat yellow.
Cultivated. Landrace. Seed.
432694. I.V.P. 4.19. Slaboon. From Barneveld. Seedcoat yellow.

432584 TO 432711-continued

Cultivated. Landrace. Seed.

432695. I.V.P. 4.20. Wagenaar slaboon. From Wageningen. Seedcoat yellow. Cultivated. Landrace. Seed.
432696. I.V.P. 4.21. Geleboon. From Apeldoorn. Seedcoat yellow. Cultivated. Landrace. Seed.
432697. I.V.P. 4.22. Geleboon. From Veenoord. Seedcoat yellow. Cultivated. Landrace. Seed.
432698. I.V.P. 4.23. Geleboon. From Miedema. Seedcoat yellow. Cultivated. Landrace. Seed.
432699. I.V.P. 4.24. Geleboon. From Schoonoord. Seedcoat tan, speckled. Cultivated. Landrace. Seed.
432700. I.V.P. 4.25. Beige Gele boon. From Duitsland. Seedcoat yellow. Cultivated. Landrace. Seed.
432701. I.V.P. 4.26. Gele Krobbe. From Castricum. Seedcoat yellow. Cultivated. Landrace. Seed.
432702. I.V.P. 5.01. Bruine soldaat. From Silvolde. Seedcoat eyespot. Cultivated. Landrace. Seed.
432703. I.V.P. 5.01. Rode soldaat. From Silvolde. Seedcoat eyespot. Cultivated. Landrace. Seed.
432704. I.V.P. 5.02. Rode soldaat. From NAK. Seedcoat eyespot. Cultivated. Landrace. Seed.
432705. I.V.P. 5.03. Rode soldaat. From Prakken. Seedcoat eyespot. Cultivated. Landrace. Seed.
432706. I.V.P. 5.04. Bruine soldaat. From Kouveen. Seedcoat eyespot. Cultivated. Landrace. Seed.
432707. I.V.P. 5.05. Bruine soldaat. From De Bilt. Seedcoat eyespot. Cultivated. Landrace. Seed.
432708. I.V.P. 5.06. Bruine soldaat. From Krimpen a/d IJssel. Seedcoat eyespot. Cultivated. Landrace. Seed.
432709. I.V.P. 6.01. Wasboon. From I.V.T. Seedcoat black. Cultivated. Landrace. Seed.
432710. I.V.P. 6.02. Zwarte Belgische. From I.V.T. Seedcoat black. Cultivated. Landrace. Seed.
432711. I.V.P. 6.03. Markus boon. From Zelderheide. Seedcoat black. Cultivated. Landrace. Seed.

432712. *Caesalpinia spinosa* (Mol.) Kuntze (Fabaceae).

From Peru. Donated by C. Salas, Rayon y Celanese Peruana S.A.,
Lima.

Received March 1979.

Received as *C. tinctoria*. Seed.

432713 TO 432717. *Allium cepa* L. (Amaryllidaceae) Onion.

From China, Peoples Repub of. Donated by Madam H. Chen, Chinese
Agricultural Association, Beijing.

Received February 1979.

432713. 490. Yellow 22. China, Peoples Repub of. Seed.

432714. 491. Yellow 23. China, Peoples Repub of. Seed.

432715. 492. Purple 131. China, Peoples Repub of. Seed.

432716. 493. Purple 132. China, Peoples Repub of. Seed.

432717. 494. Red onion. China, Peoples Repub of. Seed.

**432718 TO 432767. *Brassica oleracea* var. *capitata* L. (Brassicaceae)
Cabbage.**

From China, Peoples Repub of. Donated by Madam H. Chen, Chinese
Agricultural Association, Beijing.

Received February 1979.

432718. 1. Golden acre 84. Denmark. Seed.

432719. 2. Ying chun. China, Peoples Repub of. Seed.

432720. 3. Red cabbage. Denmark. Seed.

432721. 4. Amagor. Denmark. Seed.

432722. 5. Amagor stonehead. Denmark. Seed.

432723. 6. 12024. China, Peoples Repub of. Seed.

432724. 7. 12028. China, Peoples Repub of. Seed.

432725. 8. 12431. China, Peoples Repub of. Seed.

432726. 9. 12023. China, Peoples Repub of. Seed.

432727. 10. 12421. China, Peoples Repub of. Seed.

432728. 11. 12212. China, Peoples Repub of. Seed.

432718 TO 432767-continued

432729. 12. 12216. China, Peoples Repub of. Seed.
432730. 13. 12037. China, Peoples Repub of. Seed.
432731. 14. 12012. China, Peoples Repub of. Seed.
432732. 15. Purple cabbage. United States. Seed.
432733. 16. 12027(S). China, Peoples Repub of. Seed.
432734. 17. 12032(S). China, Peoples Repub of. Seed.
432735. 18. 12016(S). China, Peoples Repub of. Seed.
432736. 19. 12051(S). China, Peoples Repub of. Seed.
432737. 20. 12233(S). China, Peoples Repub of. Seed.
432738. 21. Hei ping ton-3. China, Peoples Repub of. Seed.
432739. 22. 12701. China, Peoples Repub of. Seed.
432740. 23. Da ping ton. China, Peoples Repub of. Seed.
432741. 24. Hui ye-51. China, Peoples Repub of. Seed.
432742. 25. Hei ping ton. China, Peoples Repub of. Seed.
432743. 26. Hei ye-51. China, Peoples Repub of. Seed.
432744. 27. Zao. China, Peoples Repub of. Seed.
432745. 28. Ging bai kou. China, Peoples Repub of. Seed.
432746. 29. Hui ye. China, Peoples Repub of. Seed.
432747. 30. Ditmarck 409. Poland. Seed.
432748. 31. Hei ye xiao pingtou. Poland. Seed.
432749. 32. Xiao jiu hngang. Poland. Seed.
432750. 33. Viking early strain. Canada. Seed.
432751. 34. Succession. Japan. Seed.
432752. 35. Ping ton. China, Peoples Repub of. Seed.
432753. 36. 12421. China, Peoples Repub of. Seed.
432754. 37. 12041. China, Peoples Repub of. Seed.

432718 TO 432767-continued

432755. 38. 12014. China, Peoples Repub of. Seed.
432756. 39. 12015. China, Peoples Repub of. Seed.
432757. 40. 12241. China, Peoples Repub of. Seed.
432758. 41. 1215 x Viking early strain-11. China, Peoples Repub of. Seed.
432759. 42. Viking early strain-11 x Yin chun. China, Peoples Repub of. Seed.
432760. 43. Viking early strain-11 x Golden acre 84. China, Peoples Repub of. Seed.
432761. 44. Viking early strain-11 x Xiao jin huang. China, Peoples Repub of. Seed.
432762. 45. Viking early strain-11 x Yiu chun. China, Peoples Repub of. Seed.
432763. 46. 12242. China, Peoples Repub of. Seed.
432764. 47. 12221 x Viking early strain. China, Peoples Repub of. Seed.
432765. 48. Jing feng No. 1. China, Peoples Repub of. Seed.
432766. 49. 12213 x 12056. China, Peoples Repub of. Seed.
432767. 50. Qin feng. China, Peoples Repub of. Seed.

432768 TO 432797. *Brassica pekinensis* (Lour.) Rupr. (Brassicaceae)
Chinese cabbage.

From China, Peoples Repub of. Donated by Madam H. Chen, Chinese Agricultural Association, Beijing.
Received February 1979.

432768. 51. Xiao bai ton No. 6 F1. China, Peoples Repub of. Seed.
432769. 52. Xiao bai ton No. 8 F1. China, Peoples Repub of. Seed.
432770. 53. Xiao bai ton No. 4 F1. China, Peoples Repub of. Seed.
432771. 54. Xiao bai ton No. 26 F1. China, Peoples Repub of. Seed.
432772. 55. Xiao bai ton No. 88 F1. China, Peoples Repub of. Seed.

432768 TO 432797-continued

432773. 56. Xiao bai ton No. 106 F1. China, Peoples Repub of. Seed.
432774. 57. Yuan da tie pi giug. China, Peoples Repub of. Seed.
432775. 58. Bao ton No. 2. China, Peoples Repub of. Seed.
432776. 59. Bao ton No. 3. China, Peoples Repub of. Seed.
432777. 60. Xiao ging kou. China, Peoples Repub of. Seed.
432778. 61. Da he tao won 14. China, Peoples Repub of. Seed.
432779. 62. Da he tao won 15. China, Peoples Repub of. Seed.
432780. 63. Da he tao won 16. China, Peoples Repub of. Seed.
432781. 64. He tao won 19. China, Peoples Repub of. Seed.
432782. 65. He tao won 21. China, Peoples Repub of. Seed.
432783. 66. He tao won 24. China, Peoples Repub of. Seed.
432784. 67. He tao won 25. China, Peoples Repub of. Seed.
432785. 68. Xiao he tao wen 26. China, Peoples Repub of. Seed.
432786. 69. Xiao he tao wen 32. China, Peoples Repub of. Seed.
432787. 70. Xiao he tao wen 33. China, Peoples Repub of. Seed.
432788. 71. Yuan da xiao bai ton. China, Peoples Repub of. Seed.
432789. 72. Yuan da xiao bai ton. China, Peoples Repub of. Seed.
432790. 73. A3-2. China, Peoples Repub of. Seed.
432791. 74. A3-6. China, Peoples Repub of. Seed.
432792. 75. A4-1. China, Peoples Repub of. Seed.
432793. 76. 3-30-34. China, Peoples Repub of. Seed.
432794. 77. 3-30-36. China, Peoples Repub of. Seed.
432795. 78. 3-15. China, Peoples Repub of. Seed.
432796. 79. 3-30-37. China, Peoples Repub of. Seed.
432797. 80. 3-30-39. China, Peoples Repub of. Seed.

432798 TO 432847. Capsicum annuum L. (Solanaceae).

From China, Peoples Repub of. Donated by Madam H. Chen, Chinese Agricultural Association, Beijing.

Received February 1979.

- 432798. 381. Qie men 2. China, Peoples Repub of. Seed.**
- 432799. 382. Qie men 9. China, Peoples Repub of. Seed.**
- 432800. 383. Qie men 10. China, Peoples Repub of. Seed.**
- 432801. 384. Qie men 12. China, Peoples Repub of. Seed.**
- 432802. 385. Qie men 30. China, Peoples Repub of. Seed.**
- 432803. 386. Qie men 31. China, Peoples Repub of. Seed.**
- 432804. 387. Qie men 32. China, Peoples Repub of. Seed.**
- 432805. 388. San do men. China, Peoples Repub of. Seed.**
- 432806. 389. 7374. China, Peoples Repub of. Seed.**
- 432807. 390. 7330. China, Peoples Repub of. Seed.**
- 432808. 391. 7401. China, Peoples Repub of. Seed.**
- 432809. 392. 7402. China, Peoples Repub of. Seed.**
- 432810. 393. 7423. China, Peoples Repub of. Seed.**
- 432811. 394. 7425. China, Peoples Repub of. Seed.**
- 432812. 395. 7431. China, Peoples Repub of. Seed.**
- 432813. 396. 7432. China, Peoples Repub of. Seed.**
- 432814. 397. 7443. China, Peoples Repub of. Seed.**
- 432815. 398. 7445. China, Peoples Repub of. Seed.**
- 432816. 399. 7451. China, Peoples Repub of. Seed.**
- 432817. 400. 7456. China, Peoples Repub of. Seed.**
- 432818. 401. 7477. China, Peoples Repub of. Seed.**
- 432819. 402. 7478. China, Peoples Repub of. Seed.**
- 432820. 403. 7499. China, Peoples Repub of. Seed.**
- 432821. 404. 7505. China, Peoples Repub of. Seed.**

432798 TO 432847-continued

432822. 405. 7532. China, Peoples Repub of. Seed.
432823. 406. 7553. China, Peoples Repub of. Seed.
432824. 407. 7554. China, Peoples Repub of. Seed.
432825. 408. 7565. China, Peoples Repub of. Seed.
432826. 409. 7586. China, Peoples Repub of. Seed.
432827. 410. 7587. China, Peoples Repub of. Seed.
432828. 411. 7598. China, Peoples Repub of. Seed.
432829. 412. 5110. China, Peoples Repub of. Seed.
432830. 413. 5112. China, Peoples Repub of. Seed.
432831. 414. 5118. China, Peoples Repub of. Seed.
432832. 415. 5136. China, Peoples Repub of. Seed.
432833. 416. 6050. China, Peoples Repub of. Seed.
432834. 417. 6053. China, Peoples Repub of. Seed.
432835. 418. 6055. China, Peoples Repub of. Seed.
432836. 419. 6111. China, Peoples Repub of. Seed.
432837. 420. 6571. China, Peoples Repub of. Seed.
432838. 421. 6101. China, Peoples Repub of. Seed.
432839. 422. Xiao yang 1. China, Peoples Repub of. Seed.
432840. 423. Xiao yang 2. China, Peoples Repub of. Seed.
432841. 424. Da jo. China, Peoples Repub of. Seed.
432842. 425. Zao jo F1. China, Peoples Repub of. Seed.
432843. 426. Xiao jo. China, Peoples Repub of. Seed.
432844. 427. San doug da jo. China, Peoples Repub of. Seed.
432845. 428. Hot 1001. China, Peoples Repub of. Seed.
432846. 429. Crisp jo. China, Peoples Repub of. Seed.
432847. 430. No. 3. China, Peoples Repub of. Seed.

432848 TO 432897. Cucumis sativus L. (Cucurbitaceae) Cucumber.

From China, Peoples Repub of. Donated by Madam H. Chen, Chinese Agricultural Association, Beijing.

Received February 1979.

- 432848. 431. 450 F1. China, Peoples Repub of. Seed.
- 432849. 432. 764 F1. China, Peoples Repub of. Seed.
- 432850. 433. 896 F1. China, Peoples Repub of. Seed.
- 432851. 434. 085 F1. China, Peoples Repub of. Seed.
- 432852. 435. Tu pien chiao san chi. Japan. Seed.
- 432853. 436. Si gun qing-2. China, Peoples Repub of. Seed.
- 432854. 437. 201 F1. China, Peoples Repub of. Seed.
- 432855. 438. 314 F1. China, Peoples Repub of. Seed.
- 432856. 439. 156 F1. China, Peoples Repub of. Seed.
- 432857. 440. 802 F1. China, Peoples Repub of. Seed.
- 432858. 441. 759 F1. China, Peoples Repub of. Seed.
- 432859. 442. 984 F1. China, Peoples Repub of. Seed.
- 432860. 443. 311 F1. China, Peoples Repub of. Seed.
- 432861. 444. 394 F1. China, Peoples Repub of. Seed.
- 432862. 445. Lin cheng shih yeh. China, Peoples Repub of. Seed.
- 432863. 446. Ta ho shan chih 262. Japan. Seed.
- 432864. 447. I yu chieh cheng. Japan. Seed.
- 432865. 448. Kuan chi chiao pai hasia chiu No. 1. Japan. Seed.
- 432866. 449. Da bai. China, Peoples Repub of. Seed.
- 432867. 450. Sui qing. China, Peoples Repub of. Seed.
- 432868. 451. Quan qing. China, Peoples Repub of. Seed.
- 432869. 452. Shanghai. China, Peoples Repub of. Seed.
- 432870. 453. Ye er sau. China, Peoples Repub of. Seed.
- 432871. 454. Chang yer. China, Peoples Repub of. Seed.

432848 TO 432897—continued

- 432872. 455. Bright. China, Peoples Repub of. Seed.**
- 432873. 456. San dong si gua 22. China, Peoples Repub of. Seed.**
- 432874. 457. San dong si gua 52. China, Peoples Repub of. Seed.**
- 432875. 458. San dong si gua 101. China, Peoples Repub of. Seed.**
- 432876. 459. San dong si gua 12. China, Peoples Repub of. Seed.**
- 432877. 460. San dong si gua 507. China, Peoples Repub of. Seed.**
- 432878. 461. San dong si gua 127. China, Peoples Repub of. Seed.**
- 432879. 462. San dong si gua 802. China, Peoples Repub of. Seed.**
- 432880. 463. San dong si gua 5101. China, Peoples Repub of. Seed.**
- 432881. 464. San dong si gua 103. China, Peoples Repub of. Seed.**
- 432882. 465. San dong si gua. China, Peoples Repub of. Seed.**
- 432883. 466. San dong si gua 129. China, Peoples Repub of. Seed.**
- 432884. 467. San dong si gua 422. China, Peoples Repub of. Seed.**
- 432885. 468. San dong si gua 1210. China, Peoples Repub of. Seed.**
- 432886. 469. San dong si gua 7156. China, Peoples Repub of. Seed.**
- 432887. 470. San dong si gua 4983. China, Peoples Repub of. Seed.**
- 432888. 471. San dong si gua 27 F1. China, Peoples Repub of. Seed.**
- 432889. 472. San dong si gua 21 F1. China, Peoples Repub of. Seed.**
- 432890. 473. Si gua qing 5805. China, Peoples Repub of. Seed.**
- 432891. 474. Si gua qing 5813. China, Peoples Repub of. Seed.**
- 432892. 475. Si gua qing 5896. China, Peoples Repub of. Seed.**
- 432893. 476. Si gua qing 8540. China, Peoples Repub of. Seed.**
- 432894. 477. Si gua qing 1611. China, Peoples Repub of. Seed.**
- 432895. 478. Si 3928. China, Peoples Repub of. Seed.**
- 432896. 479. Si 4758. China, Peoples Repub of. Seed.**

432848 TO 432897-continued

432897. 480. Si 9049. China, Peoples Repub of. Seed.

432898 TO 432906. *Daucus carota* subsp. *sativus* (Hoffm.) Arcang.
(Apiaceae) Carrot.

From China, Peoples Repub of. Donated by Madam H. Chen, Chinese
Agricultural Association, Beijing.
Received February 1979.

432898. 481. Red carrot. China, Peoples Repub of. Seed.

432899. 482. Chang hong. China, Peoples Repub of. Seed.

432900. 483. Yellow carrot 11. China, Peoples Repub of. Seed.

432901. 484. Yellow carrot 12. China, Peoples Repub of. Seed.

432902. 485. Xiao feng. China, Peoples Repub of. Seed.

432903. 486. Sa-101. China, Peoples Repub of. Seed.

432904. 487. H-001. China, Peoples Repub of. Seed.

432905. 488. Sa-102. China, Peoples Repub of. Seed.

432906. 489. Sa-103. China, Peoples Repub of. Seed.

432907 TO 433206. *Lycopersicon esculentum* Mill. (Solanaceae) Tomato.

From China, Peoples Repub of. Donated by Madam H. Chen, Chinese
Agriculture Association, Beijing.
Received February 1979.

432907. 81. Chiang li mei shou 1-3-6. Japan. Seed.

432908. 82. Chiang li mei shou 2-2-7. Japan. Seed.

432909. 83. Chiang li mei shou-61. Japan. Seed.

432910. 84. 4-1812. China, Peoples Repub of. Seed.

432911. 85. 2-9181. China, Peoples Repub of. Seed.

432912. 86. 1-5268. China, Peoples Repub of. Seed.

432913. 87. 7-5268. China, Peoples Repub of. Seed.

432914. 88. 2-1611. China, Peoples Repub of. Seed.

432915. 89. 2-1113. China, Peoples Repub of. Seed.

432907 TO 433206-continued

- 432916. 90. 2-9126. China, Peoples Repub of. Seed.**
- 432917. 91. 2-2467. China, Peoples Repub of. Seed.**
- 432918. 92. 2-4129. China, Peoples Repub of. Seed.**
- 432919. 93. 2-1537. China, Peoples Repub of. Seed.**
- 432920. 94. 4-2418. China, Peoples Repub of. Seed.**
- 432921. 95. 4-2215. China, Peoples Repub of. Seed.**
- 432922. 96. 4-3349. China, Peoples Repub of. Seed.**
- 432923. 97. 19-8486. China, Peoples Repub of. Seed.**
- 432924. 98. 21-3111. China, Peoples Repub of. Seed.**
- 432925. 99. 20-4168. China, Peoples Repub of. Seed.**
- 432926. 100. 20-1517. China, Peoples Repub of. Seed.**
- 432927. 101. 20-1113. China, Peoples Repub of. Seed.**
- 432928. 102. 20-2438. China, Peoples Repub of. Seed.**
- 432929. 103. 19-1401. China, Peoples Repub of. Seed.**
- 432930. 104. 19-1751. China, Peoples Repub of. Seed.**
- 432931. 105. 19-136. China, Peoples Repub of. Seed.**
- 432932. 106. 19-543. China, Peoples Repub of. Seed.**
- 432933. 107. Holland 5-1164. Netherlands. Seed.**
- 432934. 108. Holland 5-4113. Netherlands. Seed.**
- 432935. 109. Holland 6-136. Netherlands. Seed.**
- 432936. 110. Manapel 772. United States. Seed.**
- 432937. 111. Manapel 779. United States. Seed.**
- 432938. 112. Manapel. United States. Seed.**
- 432939. 113. Manapel. United States. Seed.**
- 432940. 114. Manalucia. United States. Seed.**
- 432941. 115. Manalucia. United States. Seed.**

432907 TO 433206-continued

- 432942. 116. Zao 2. China, Peoples Repub of. Seed.
- 432943. 117. Zao 2-36. China, Peoples Repub of. Seed.
- 432944. 118. Zao 2-39. China, Peoples Repub of. Seed.
- 432945. 119. Zao fen 2. China, Peoples Repub of. Seed.
- 432946. 120. Campbell 1138. Canada. Seed.
- 432947. 121. Campbell. Canada. Seed.
- 432948. 122. Tropic. Mexico. Seed.
- 432949. 123. Tropic. Mexico. Seed.
- 432950. 124. Ning fen 2. China, Peoples Repub of. Seed.
- 432951. 125. Ning hong 2. China, Peoples Repub of. Seed.
- 432952. 126. Ni hong 2. China, Peoples Repub of. Seed.
- 432953. 127. Nong da 24. China, Peoples Repub of. Seed.
- 432954. 128. Nong da 24. China, Peoples Repub of. Seed.
- 432955. 129. Walter. Mexico. Seed.
- 432956. 130. Glickr 0.36. United States. Seed.
- 432957. 131. Glickr 0.36. United States. Seed.
- 432958. 132. Chang ji da hong. China, Peoples Repub of. Seed.
- 432959. 133. Chalk early jewel. United States. Seed.
- 432960. 134. Yang hong. China, Peoples Repub of. Seed.
- 432961. 135. Shn ye zao hong. China, Peoples Repub of. Seed.
- 432962. 136. Pu hong 1 F1. China, Peoples Repub of. Seed.
- 432963. 137. Pu hong 2 F1. China, Peoples Repub of. Seed.
- 432964. 138. Pu hong 3 F1. China, Peoples Repub of. Seed.
- 432965. 139. Pu hong 4 F1. China, Peoples Repub of. Seed.
- 432966. 140. Pu hong 5 F1. China, Peoples Repub of. Seed.
- 432967. 141. Pu hong 6 F1. China, Peoples Repub of. Seed.

432907 TO 433206-continued

432968. 142. Ta 752. China, Peoples Repub of. Seed.
432969. 143. Si we. China, Peoples Repub of. Seed.
432970. 144. Canada 4. Canada. Seed.
432971. 145. 57 Hong No.7. China, Peoples Repub of. Seed.
432972. 146. Lu fen 1. China, Peoples Repub of. Seed.
432973. 147. Jin yin 1. China, Peoples Repub of. Seed.
432974. 148. Valiant. United States. Seed.
432975. 149. Jin dui. China, Peoples Repub of. Seed.
432976. 150. Y No. 1. China, Peoples Repub of. Seed.
432977. 151. Holland 37. Netherlands. Seed.
432978. 152. 6613. China, Peoples Repub of. Seed.
432979. 153. Qiang hong 2. China, Peoples Repub of. Seed.
432980. 154. Italy 10. Italy. Seed.
432981. 155. John bear. United States. Seed.
432982. 156. Soviet Union. Seed.
432983. 157. Xaio x 23. China, Peoples Repub of. Seed.
432984. 158. Xaio x H5. China, Peoples Repub of. Seed.
432985. 159. Xiao x Tropic 1. China, Peoples Repub of. Seed.
432986. 160. Peking early red x 7501. China, Peoples Repub of.
Seed.
432987. 161. Peking early red. China, Peoples Repub of. Seed.
432988. 162. Peking early red. China, Peoples Repub of. Seed.
432989. 163. 201 x Manalucia. China, Peoples Repub of. Seed.
432990. 164. Manalucia x 201. China, Peoples Repub of. Seed.
432991. 165. 201 x chiang li mei shou. China, Peoples Repub of.
Seed.
432992. 166. Chiang x 201. China, Peoples Repub of. Seed.

432907 TO 433206-continued

- 432993. 167. 201 x Tropic. Mexico. Seed.**
- 432994. 168. Tropic x 201. China, Peoples Repub of. Seed.**
- 432995. 169. 201 x 524. China, Peoples Repub of. Seed.**
- 432996. 170. 524 X 201. China, Peoples Repub of. Seed.**
- 432997. 171. 201 x Coolicanko. China, Peoples Repub of. Seed.**
- 432998. 172. Coolicanko x 201. China, Peoples Repub of. Seed.**
- 432999. 173. 201 x Peking early red. China, Peoples Repub of. Seed.**
- 433000. 174. Peking early red x 201. China, Peoples Repub of. Seed.**
- 433001. 175. 201 x Walter. China, Peoples Repub of. Seed.**
- 433002. 176. Walter x 201. China, Peoples Repub of. Seed.**
- 433003. 177. 201 x 402. China, Peoples Repub of. Seed.**
- 433004. 178. 402 x 201. China, Peoples Repub of. Seed.**
- 433005. 179. 364 x 32. China, Peoples Repub of. Seed.**
- 433006. 180. 524 x 32. China, Peoples Repub of. Seed.**
- 433007. 181. Kang bing 1. China, Peoples Repub of. Seed.**
- 433008. 182. Da hong qiu. China, Peoples Repub of. Seed.**
- 433009. 183. Kang hong. China, Peoples Repub of. Seed.**
- 433010. 184. Kang fen. China, Peoples Repub of. Seed.**
- 433011. 185. Nuora super roma. China, Peoples Repub of. Seed.**
- 433012. 186. Hei yuan 1. China, Peoples Repub of. Seed.**
- 433013. 187. Hei yuan 2. China, Peoples Repub of. Seed.**
- 433014. 188. 76-2-1. China, Peoples Repub of. Seed.**
- 433015. 189. Hei yuan 5. China, Peoples Repub of. Seed.**
- 433016. 190. New Zealand pink. China, Peoples Repub of. Seed.**
- 433017. 191. G 4-2-2 F1. China, Peoples Repub of. Seed.**

432907 TO 433206-continued

433018. 192. E 5-3-3-1 F1. China, Peoples Repub of. Seed.
433019. 193. E 5-3-3-1 F1. China, Peoples Repub of. Seed.
433020. 194. A 6-5-2 F1. China, Peoples Repub of. Seed.
433021. 195. A B fen F1. China, Peoples Repub of. Seed.
433022. 196. G 4-6-5 F1. China, Peoples Repub of. Seed.
433023. 197. A 6-5-2-3. China, Peoples Repub of. Seed.
433024. 198. I 10-2-1. China, Peoples Repub of. Seed.
433025. 199. Da tao. United States. Seed.
433026. 200. Sweet meat. China, Peoples Repub of. Seed.
433027. 201. Pink roma x 9518. China, Peoples Repub of. Seed.
433028. 202. Roma 4. Italy. Seed.
433029. 203. 41 x 65. China, Peoples Repub of. Seed.
433030. 204. 39 x 63. China, Peoples Repub of. Seed.
433031. 205. 3511 x 38. China, Peoples Repub of. Seed.
433032. 206. Campbell x Sweet meat. China, Peoples Repub of. Seed.
433033. 207. Zao 2 x Campbell 1138. China, Peoples Repub of. Seed.
433034. 208. Me zao. United States. Seed.
433035. 209. 5-9-19. China, Peoples Repub of. Seed.
433036. 210. 5-9-18. China, Peoples Repub of. Seed.
433037. 211. 35-11. China, Peoples Repub of. Seed.
433038. 212. Jing yuan fen hong. China, Peoples Repub of. Seed.
433039. 213. Bulgaria 4. Bulgaria. Seed.
433040. 214. Qie fen. Canada. Seed.
433041. 215. Zao 2. China, Peoples Repub of. Seed.
433042. 216. Chang za 49 x 59. China, Peoples Repub of. Seed.

432907 TO 433206-continued

433043. 217. 7-20 x Chiang li mei shou. China, Peoples Repub of. Seed.
433044. 218. 71. China, Peoples Repub of. Seed.
433045. 219. 39720. China, Peoples Repub of. Seed.
433046. 220. Ping guo qing. China, Peoples Repub of. Seed.
433047. 221. P-49-2. China, Peoples Repub of. Seed.
433048. 222. 524 Da hong. China, Peoples Repub of. Seed.
433049. 223. Qie fen 11. China, Peoples Repub of. Seed.
433050. 224. Zao shu 2. China, Peoples Repub of. Seed.
433051. 225. Roma 1 fen. Italy. Seed.
433052. 226. 9-5-18 x Roma 1 fen. China, Peoples Repub of. Seed.
433053. 227. Qie F7. China, Peoples Repub of. Seed.
433054. 228. Zao 2 x Sweet meat. China, Peoples Repub of. Seed.
433055. 229. Holland 4. Netherlands. Seed.
433056. 230. Cuba 5. China, Peoples Repub of. Seed.
433057. 231. 23 Fen x Ping. China, Peoples Repub of. Seed.
433058. 232. 35-26. China, Peoples Repub of. Seed.
433059. 233. Sweet meat x An zao. China, Peoples Repub of. Seed.
433060. 234. Hong da 24 x Chang 12. China, Peoples Repub of. Seed.
433061. 235. Fasciation. China, Peoples Repub of. Seed.
433062. 236. Chang 10. China, Peoples Repub of. Seed.
433063. 237. Chang 95 x Zao 2-39. China, Peoples Repub of. Seed.
433064. 238. 12-27 x Da tao. China, Peoples Repub of. Seed.
433065. 239. 12-27 x Roma 4. China, Peoples Repub of. Seed.
433066. 240. Ace. China, Peoples Repub of. Seed.
433067. 241. Ning da hong. China, Peoples Repub of. Seed.

432907 TO 433206-continued

433068. 242. Jin ping. China, Peoples Repub of. Seed.
433069. 243. Da zao 41. China, Peoples Repub of. Seed.
433070. 244. Peking shn ye. China, Peoples Repub of. Seed.
433071. 245. Chang za 40 x Chiang li mei shou. China, Peoples Repub of. Seed.
433072. 246. 9-6-23 x Chiang li mei shou 62. China, Peoples Repub of. Seed.
433073. 247. Dong qie. China, Peoples Repub of. Seed.
433074. 248. Wen No.1. China, Peoples Repub of. Seed.
433075. 249. Ji da tao. China, Peoples Repub of. Seed.
433076. 250. 9-6-23. China, Peoples Repub of. Seed.
433077. 251. Ping x 5919. China, Peoples Repub of. Seed.
433078. 252. 7-20. China, Peoples Repub of. Seed.
433079. 253. Fen roma. China, Peoples Repub of. Seed.
433080. 254. Ping-33. China, Peoples Repub of. Seed.
433081. 255. Zao 2. China, Peoples Repub of. Seed.
433082. 256. 12-28. China, Peoples Repub of. Seed.
433083. 257. 9-5-14. China, Peoples Repub of. Seed.
433084. 258. 11-10-23. China, Peoples Repub of. Seed.
433085. 259. ST x Qie. China, Peoples Repub of. Seed.
433086. 260. 75-90. China, Peoples Repub of. Seed.
433087. 261. Kwangtung 001. China, Peoples Repub of. Seed.
433088. 262. Kwangtung 002. China, Peoples Repub of. Seed.
433089. 263. Kwangtung 003. China, Peoples Repub of. Seed.
433090. 264. Kwangtung 004. China, Peoples Repub of. Seed.
433091. 265. Kwangtung 005. China, Peoples Repub of. Seed.
433092. 266. Kwangtung 006. China, Peoples Repub of. Seed.

432907 TO 433206-continued

433093. 267. Kwangtung 007. China, Peoples Repub of. Seed.
433094. 268. Kwangtung 008. China, Peoples Repub of. Seed.
433095. 269. Kwangtung 009. China, Peoples Repub of. Seed.
433096. 270. Kwangtung 010. China, Peoples Repub of. Seed.
433097. 271. Kwangtung 011. China, Peoples Repub of. Seed.
433098. 272. Kwangtung 012. China, Peoples Repub of. Seed.
433099. 273. Kwangtung 013. China, Peoples Repub of. Seed.
433100. 274. Kwangtung 014. China, Peoples Repub of. Seed.
433101. 275. Kwangtung 015. China, Peoples Repub of. Seed.
433102. 276. Kwangtung 016. China, Peoples Repub of. Seed.
433103. 277. Kwangtung 017. China, Peoples Repub of. Seed.
433104. 278. Kwangtung 018. China, Peoples Repub of. Seed.
433105. 279. Kwangtung 019. China, Peoples Repub of. Seed.
433106. 280. Kwangtung 020. China, Peoples Repub of. Seed.
433107. 281. Kwangtung 021. China, Peoples Repub of. Seed.
433108. 282. Kwangtung 022. China, Peoples Repub of. Seed.
433109. 283. Kwangtung 023. China, Peoples Repub of. Seed.
433110. 284. Kwangtung 024. China, Peoples Repub of. Seed.
433111. 285. Kwangtung 025. China, Peoples Repub of. Seed.
433112. 286. Kwangtung 026. China, Peoples Repub of. Seed.
433113. 287. Kwangtung 027. China, Peoples Repub of. Seed.
433114. 288. Kwangtung 028. China, Peoples Repub of. Seed.
433115. 289. Kwangtung 029. China, Peoples Repub of. Seed.
433116. 290. Kwangtung 030. China, Peoples Repub of. Seed.
433117. 291. Kwangtung 031. China, Peoples Repub of. Seed.
433118. 292. Kwangtung 032. China, Peoples Repub of. Seed.

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433119. 293. Kwangtung 033. China, Peoples Repub of. Seed.
433120. 294. Kwangtung 034. China, Peoples Repub of. Seed.
433121. 295. Kwangtung 035. China, Peoples Repub of. Seed.
433122. 296. Kwangtung 036. China, Peoples Repub of. Seed.
433123. 297. Kwangtung 037. China, Peoples Repub of. Seed.
433124. 298. Kwangtung 038. China, Peoples Repub of. Seed.
433125. 299. Kwangtung 039. China, Peoples Repub of. Seed.
433126. 300. Kwangtung 040. China, Peoples Repub of. Seed.
433127. 301. Kwangtung 041. China, Peoples Repub of. Seed.
433128. 302. Kwangtung 042. China, Peoples Repub of. Seed.
433129. 303. Kwangtung 043. China, Peoples Repub of. Seed.
433130. 304. Kwangtung 044. China, Peoples Repub of. Seed.
433131. 305. Kwangtung 045. China, Peoples Repub of. Seed.
433132. 306. Kwangtung 046. China, Peoples Repub of. Seed.
433133. 307. Kwangtung 047. China, Peoples Repub of. Seed.
433134. 308. Kwangtung 048. China, Peoples Repub of. Seed.
433135. 309. Kwangtung 049. China, Peoples Repub of. Seed.
433136. 310. Kwangtung 050. China, Peoples Repub of. Seed.
433137. 311. Kwangtung 051. China, Peoples Repub of. Seed.
433138. 312. Kwangtung 052. China, Peoples Repub of. Seed.
433139. 313. Kwangtung 053. China, Peoples Repub of. Seed.
433140. 314. Kwangtung 054. China, Peoples Repub of. Seed.
433141. 315. Kwangtung 055. China, Peoples Repub of. Seed.
433142. 316. Kwangtung 056. China, Peoples Repub of. Seed.
433143. 317. Kwangtung 057. China, Peoples Repub of. Seed.
433144. 318. Kwangtung 058. China, Peoples Repub of. Seed.

432907 TO 433206-continued

433145. 319. Kwangtung 059. China, Peoples Repub of. Seed.
433146. 320. Kwangtung 060. China, Peoples Repub of. Seed.
433147. 321. Kwangtung 061. China, Peoples Repub of. Seed.
433148. 322. Kwangtung 062. China, Peoples Repub of. Seed.
433149. 323. Kwangtung 063. China, Peoples Repub of. Seed.
433150. 324. Kwangtung 064. China, Peoples Repub of. Seed.
433151. 325. Kwangtung 065. China, Peoples Repub of. Seed.
433152. 326. Kwangtung 066. China, Peoples Repub of. Seed.
433153. 327. Kwangtung 067. China, Peoples Repub of. Seed.
433154. 328. Kwangtung 068. China, Peoples Repub of. Seed.
433155. 329. Kwangtung 069. China, Peoples Repub of. Seed.
433156. 330. Kwangtung 070. China, Peoples Repub of. Seed.
433157. 331. Kwangtung 071. China, Peoples Repub of. Seed.
433158. 332. Kwangtung 072. China, Peoples Repub of. Seed.
433159. 333. Kwangtung 073. China, Peoples Repub of. Seed.
433160. 334. Kwangtung 074. China, Peoples Repub of. Seed.
433161. 335. Kwangtung 075. China, Peoples Repub of. Seed.
433162. 336. Kwangtung 076. China, Peoples Repub of. Seed.
433163. 337. Kwangtung 077. China, Peoples Repub of. Seed.
433164. 338. Kwangtung 078. China, Peoples Repub of. Seed.
433165. 339. Kwangtung 079. China, Peoples Repub of. Seed.
433166. 340. Kwangtung 080. China, Peoples Repub of. Seed.
433167. 341. Kwangtung 081. China, Peoples Repub of. Seed.
433168. 342. Kwangtung 082. China, Peoples Repub of. Seed.
433169. 343. Kwangtung 083. China, Peoples Repub of. Seed.
433170. 344. Kwangtung 084. China, Peoples Repub of. Seed.

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433171. 345. Kwangtung 085. China, Peoples Repub of. Seed.
433172. 346. Kwangtung 086. China, Peoples Repub of. Seed.
433173. 347. Kwangtung 087. China, Peoples Repub of. Seed.
433174. 348. Kwangtung 088. China, Peoples Repub of. Seed.
433175. 349. Kwangtung 089. China, Peoples Repub of. Seed.
433176. 350. Kwangtung 090. China, Peoples Repub of. Seed.
433177. 351. Kwangtung 091. China, Peoples Repub of. Seed.
433178. 352. Kwangtung 092. China, Peoples Repub of. Seed.
433179. 353. Kwangtung 093. China, Peoples Repub of. Seed.
433180. 354. Kwangtung 094. China, Peoples Repub of. Seed.
433181. 355. Kwangtung 095. China, Peoples Repub of. Seed.
433182. 356. Kwangtung 096. China, Peoples Repub of. Seed.
433183. 357. Kwangtung 097. China, Peoples Repub of. Seed.
433184. 358. Kwangtung 098. China, Peoples Repub of. Seed.
433185. 359. Kwangtung 099. China, Peoples Repub of. Seed.
433186. 360. Kwangtung 100. China, Peoples Repub of. Seed.
433187. 361. Kwangtung 101. China, Peoples Repub of. Seed.
433188. 362. Kwangtung 102. China, Peoples Repub of. Seed.
433189. 363. Kwangtung 103. China, Peoples Repub of. Seed.
433190. 364. Kwangtung 104. China, Peoples Repub of. Seed.
433191. 365. Kwangtung 105. China, Peoples Repub of. Seed.
433192. 366. Kwangtung 106. China, Peoples Repub of. Seed.
433193. 367. Kwangtung 107. China, Peoples Repub of. Seed.
433194. 368. Kwangtung 108. China, Peoples Repub of. Seed.
433195. 369. Kwangtung 109. China, Peoples Repub of. Seed.
433196. 370. Kwangtung 110. China, Peoples Repub of. Seed.

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- 433197. 371. Kwangtung 111. China, Peoples Repub of. Seed.
- 433198. 372. Kwangtung 112. China, Peoples Repub of. Seed.
- 433199. 373. Kwangtung 113. China, Peoples Repub of. Seed.
- 433200. 374. Kwangtung 114. China, Peoples Repub of. Seed.
- 433201. 375. Kwangtung 115. China, Peoples Repub of. Seed.
- 433202. 376. Kwangtung 116. China, Peoples Repub of. Seed.
- 433203. 377. Kwangtung 117. China, Peoples Repub of. Seed.
- 433204. 378. Kwangtung 118. China, Peoples Repub of. Seed.
- 433205. 379. Kwangtung 119. China, Peoples Repub of. Seed.
- 433206. 380. Kwangtung 120. China, Peoples Repub of. Seed.

433207 TO 433212. *Spinacia oleracea* L. (Chenopodiaceae) Spinach.

From China, Peoples Repub of. Donated by Madam H. Chen, Chinese Agriculture Association, Beijing.
Received February 1979.

- 433207. 495. Da ye. China, Peoples Repub of. Seed.
- 433208. 496. Xiao ye. China, Peoples Repub of. Seed.
- 433209. 497. Chun. China, Peoples Repub of. Seed.
- 433210. 498. Winter. China, Peoples Repub of. Seed.
- 433211. 499. Yuan ye. France. Seed.
- 433212. 500. Yuan ye. China, Peoples Repub of. Seed.

433213 TO 433214. *Carya cathayensis* Sargent (Juglandaceae) Cathay hickory.

From China, Peoples Repub of. Collected by Shan An Ho, Hortus Botanicus Nankingensis Institutum Botanicum, Nanking, Kiangsu.
Received April 1979.

- 433213. From Ging-Chuan, Shei County, Anhwei Province. Seed.
- 433214. From Chekiang Yuhang, Chekiang Province. Seed.

433215 TO 433216. *Capsicum annuum* L. (Solanaceae).

From Australia. Donated by A. M. Hibberd, Department of Primary Industries, Redlands Horticultural Research Station, Ormiston 4163. Received January 1979.

433215. CAP 011. Resistant to *Pseudomonas solanacearum* (bacterial wilt). Breeding material. Seed.

433216. CAP 013. Resistant to *Pseudomonas solanacearum* (bacterial wilt). Breeding material. Seed.

433217 TO 433224. *Oryza sativa* L. (Poaceae) Rice.

From Philippines. Donated by International Rice Research Institute, Manila. Received March 1979.

433217. C 46-15/IR 244 2. Seed.

433218. IET 1444. Seed.

433219. IR 36. Seed.

433220. IR 1529-430-3. Seed.

433221. IR 2035-242-1. Seed.

433222. IR 2061-522-6-9. Seed.

433223. IR 3839-1. Seed.

433224. KN 361-1-8-6. Seed.

433225. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Malaysia. Donated by T. H. Chin, Agricultural Research Centre, Kuching, Sarawak. Received January 1979.

Origin unknown. Seed.

433226. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Malaysia. Donated by Field Crops Branch, Malaysian Agricultural Research and Development Institute (Mardi), Serdang, Selangor. Received February 1979.

Peruvian. Seed.

433227. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Colombia. Donated by Estacion Agropecuaria Experimental "El Nus", Instituto Colombiano Agropecuario, San Jose del Nus.
Received January 1979.

Seed.

433228. *Amaranthus cruentus* L. (Amaranthaceae).

From Guatemala. Collected by Darryl Jordan, Plenty, Summertown, Tennessee.
Received December 1978.

2. Near San Martin Jilotepeques, Chimaltenango. Latitude 14 deg. 39' N. 2,000m. Wild. Seed.

433229 TO 433231. *Chenopodium berlandieri* Moq. (Chenopodiaceae).

From Guatemala. Collected by Darryl Jordan, Plenty, Summertown, Tennessee.
Received December 1978.

433229. 4a. From a researcher, originated from Guadalajara, Mexico. Productive, 376 grams of seed/3 plants. Seed.

433230. 4b. From a researcher, originated from Guadalajara, Mexico. Four plants produced 262 grams of seed. Seed.

433231. 4c. From a researcher, originated from Atlixco, Mexico. Productive, 253 grams of seed/2 plants. Plants 2.0m tall. Seed.

433232. *Chenopodium quinoa* Willd. (Chenopodiaceae) Quinoa.

From Guatemala. Collected by Darryl Jordan, Plenty, Summertown, Tennessee.
Received December 1978.

4d. From a researcher, originated from Groben, Chile. Plants 1.0m tall. Seed.

433233. *Crataegus stipulosa* (H.B.K.) Steud. (Rosaceae) Manzanilla.

From Guatemala. Collected by Darryl Jordan, Plenty, Summertown, Tennessee.
Received December 1978.

9. Comalapa, Chimaltenango. Used as dwarfing rootstock for pear. Seed.

433234. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Guatemala. Collected by Darryl Jordan, Plenty, Summertown, Tennessee.

Received December 1978.

1. Seeds black, speckled. Mixed with cultivated type in ISVEX program. Seed.

433235 TO 433254. *Phaseolus coccineus* L. (Fabaceae) Scarlet runner bean.

From Guatemala. Collected by Darryl Jordan, Plenty, Summertown, Tennessee.

Received December 1978.

433235. 5. Chimaltenango. Seeds brownish-red. Local name Peligua. Cultivated. Seed.

433236. 6a. Solola. Latitude 14 deg. 16' 26"N; longitude 91 deg. 11' 15"W. 2,113m. From No. 6 mixture. Seeds medium to large, plump, white. Local name Piloy. Cultivated. Seed.

433237. 6b. Solola. Latitude 14 deg. 16' 26"N; longitude 91 deg. 11' 15"W. 2,113m. From No. 6 mixture. Seeds medium size, black. Local name Piloy. Cultivated. Seed.

433238. 6c. Solola. Latitude 14 deg. 16' 26"N; longitude 91 deg. 11' 15"W. 2,113m. From No. 6 mixture. Seeds medium, plump, black, speckled light to dark brown. Local name Piloy. Cultivated. Seed.

433239. 6d. Solola. Latitude 14 deg. 16' 26"N; longitude 91 deg. 11' 15"W. 2,113m. From No. 6 mixture. Seeds large, plump, violet-brown, speckled with black. Local name Piloy. Cultivated. Seed.

433240. 6e. Solola. Latitude 14 deg. 16' 26"N; longitude 91 deg. 11' 15"W. 2,113m. From No. 6 mixture. Seeds medium to large, plump, dark tan, speckled black. Local name Piloy. Cultivated. Seed.

433241. 6f. Solola. Latitude 14 deg. 16' 26"N; longitude 91 deg. 11' 15"W. 2,113m. From No. 6 mixture. Seeds medium size, reddish brown, lightly speckled with tan. Local name Piloy. Cultivated. Seed.

433242. 6g. Solola. Latitude 14 deg. 16' 26"N; longitude 91 deg. 11' 15"W. 2,113m. From No. 6 mixture. Seeds medium to large, brown to purplish-brown. Local name Piloy. Cultivated. Seed.

433243. 6h. Solola. Latitude 14 deg. 16' 26"N; longitude 91 deg.

433235 TO 433254-continued

- 11' 15"W. 2,113m. From No. 6 mixture. Seeds medium size, tan to light brown. Local name Piloy. Cultivated. Seed.
433244. 6i. Solola. Latitude 14 deg. 16' 26"N; longitude 91 deg. 11' 15"W. 2,113m. From No. 6 mixture. Seeds small to medium, tan mottled with dark brown. Local name Piloy. Cultivated. Seed.
433245. 7a-1. Chimaltenango. Latitude 14 deg. 39' 20"N. 1,800m. From No. 7a mixture. Seeds medium size, plump, violet to brownish, speckled with black. Local name Piloy. Cultivated. Seed.
433246. 7a-2. Chimaltenango. Latitude 14 deg. 39' 20"N. 1,800m. From No. 7a mixture. Seeds large, plump, violet. Local name Piloy. Cultivated. Seed.
433247. 7a-3. Chimaltenango. Latitude 14 deg. 39' 20"N. 1,800m. From No. 7a mixture. Seeds medium size, plump, light brown to violet brown. Local name Piloy. Cultivated. Seed.
433248. 7a-4. Chimaltenango. Latitude 14 deg. 39' 20"N. 1,800m. From No. 7a mixture. Seeds medium size, plump, light violet, speckled with black. Local name Piloy. Cultivated. Seed.
433249. 7a-5. Chimaltenango. Latitude 14 deg. 39' 20"N. 1,800m. From No. 7a mixture. Seeds large, plump, light brown, speckled and striped black. Local name Piloy. Cultivated. Seed.
433250. 7a-6. Chimaltenango. Latitude 14 deg. 39' 20"N. 1,800m. From No. 7a mixture. Seeds large, plump, tan. Local name Piloy. Cultivated. Seed.
433251. 7a-7. Chimaltenango. Latitude 14 deg. 39' 20"N. 1,800m. Predominant type in No. 7a mixture. Seeds medium size, plump, tan mottled with dark brown. Local name Piloy. Cultivated. Seed.
433252. 7b. Itzapa, Chimaltenango. Latitude 14 deg. 39' 20" N. 1,800m. Seeds large, plump, light brown, lightly speckled black. Local name Piloy. Cultivated. Seed.
433253. 7c. Itzapa, Chimaltenango. Latitude 14 deg. 39' 20"N. 1,800m. Seeds medium to large, plump, violet. Local name Piloy. Cultivated. Seed.
433254. 7d. Itzapa, Chimaltenango. Latitude 14 deg. 39' 20"N. 1,800m. Seeds medium size, plump, black. Local name Piloy. Cultivated. Seed.

433255. Phaseolus vulgaris L. (Fabaceae) Garden bean.

From Guatemala. Collected by Darryl Jordan, Plenty, Summertown, Tennessee.

Received December 1978.

10. Chimaltenango. Seeds small, black with white hilum. Short season. Local name Turia alba. Cultivated. Seed.

433256. Undetermined (Fabaceae).

From Guatemala. Collected by Darryl Jordan, Plenty, Summertown, Tennessee.

Received December 1978.

6j. Solola. Latitude 14 deg. 16' 26"N; longitude 91 deg. 11' 15"W. 2,113m. Seeds small, black with white hilum. Short season. Local name Turia alba. Cultivated. Seed.

433257 TO 433258. Leucaena leucocephala (Lam.) de Wit (Fabaceae) Leadtree.

From Dominican Republic. Donated by Food and Agriculture Organization, Santa Domingo.

Received March 1979.

433257. Mao. From dry area. Seed.

433258. Buelta largu. From humid area. Seed.

433259. Citrus kinokuni Hort. ex Tanaka (Rutaceae).

From Japan. Donated by S. Tsuchiya, Fruit Tree Research Station, Ministry of Agriculture and Forestry, Ibaraki. Received through W.P.Bitters, Citrus Research Center, Univ. of Calif., Riverside, California.

Received February 1979.

'Mukaku Kishiu'. Tree. Cultivated. Cultivar. Budwood.

433260 TO 433261. Citrus hybrid (Rutaceae).

From Japan. Donated by S. Tsuchiya, Fruit Tree Research Station, Ministry of Agriculture and Forestry, Ibaraki. Received through W.P.Bitters, Citrus Research Center, Univ. of Calif., Riverside, California.

Received February 1979.

433260. 'Kinkoji Unshiu'. Tree. Cultivated. Cultivar. Budwood.

433260 TO 433261-continued

433261. 'Kobayashi Mikan'. Tree. Cultivated. Cultivar. Budwood.

433262 TO 433263. *Poncirus trifoliata* (L.) Raf. (Rutaceae) Trifoliolate orange.

From Japan. Donated by S. Tsuchiya, Fruit Tree Research Station, Ministry of Agriculture and Forestry, Ibaraki. Received through W.P.Bitters, Citrus Research Center, Univ. of Calif., Riverside, California.
Received February 1979.

433262. 'Hiryu'. Tree. Cultivated. Cultivar. Budwood.

433263. Monoembryonic. Tree. Cultivated. Cultivar. Budwood.

433264 TO 433268. *Citrus reticulata* Blanco (Rutaceae) Mandarin.

From Hong Kong. Donated by E. H. Nichols, Agriculture and Fisheries Department, Kowloon.
Received January 1979.

433264. Chiu Chow. Cultivated. Seed.

433265. Nin Kat. Tangerine. Cultivated. Seed.

433266. Sze Wui. Cultivated. Seed.

433267. Tung Kum. Cultivated. Seed.

433268. Yam Chow. Cultivated. Seed.

433269 TO 433270. *Citrus sinensis* (L.) Osb. (Rutaceae) Sweet orange.

From Hong Kong. Donated by E. H. Nichols, Agriculture and Fisheries Department, Kowloon.
Received January 1979.

433269. Hum Lau. Cultivated. Seed.

433270. Ming Lau. Cultivated. Seed.

433271 TO 433272. *Citrus* hybrid (Rutaceae).

From Japan. Donated by J. Morimoto, Wakayama Fruit Tree Experiment Station, Oki, Kibi-cho, Arita-gun, Wakayama 643.
Received February 1979.

433271. 'Kobayashi'. Tree. Cultivated. Cultivar. Budwood.

433271 TO 433272-continued

433272. 'Yatsushiro'. Tree. Cultivated. Cultivar. Budwood.

433273 TO 433274. *Artemisia terrae-albae* Kraschen. (Asteraceae).

From Soviet Union. Donated by N. I. Vavilov Institute of Plant Industry, Leningrad.

Received February 1979.

433273. K-165. Kazakh SSR. Wild. Seed.

433274. K-300. Kazakh SSR. Wild. Seed.

433275 TO 433276. *Camphorosma lessingii* Litwinow (Chenopodiaceae).

From Soviet Union. Donated by N. I. Vavilov Institute of Plant Industry, Leningrad.

Received February 1979.

433275. K-159. Kazakh SSR. Wild. Seed.

433276. K-539. Kazakh SSR. Wild. Seed.

433277 TO 433278. *Ceratoides* sp. (Chenopodiaceae).

From Soviet Union. Donated by N. I. Vavilov Institute of Plant Industry, Leningrad.

Received February 1979.

433277. K-216. Kazakh SSR. Received as *C. cryptans*. Wild. Seed.

433278. K-217. Kazakh SSR. Received as *C. cryptans*. Wild. Seed.

433279 TO 433280. *Haloxylon ammodendron* Bunge (Chenopodiaceae).

From Soviet Union. Donated by N. I. Vavilov Institute of Plant Industry, Leningrad.

Received February 1979.

433279. K-575. Kazakh SSR. Wild. Seed.

433280. K-597. Kazakh SSR. Wild. Seed.

433281 TO 433282. *Salsola orientalis* S. G. Gmel. (Chenopodiaceae).

From Soviet Union. Donated by N. I. Vavilov Institute of Plant Industry, Leningrad.

Received February 1979.

433281 TO 433282—continued

433281. K-541. Kazakh SSR. Wild. Seed.

433282. K-543. Kazakh SSR. Wild. Seed.

433283. *Castanea mollissima* Blume (Fagaceae) Chinese chestnut.

From China, Peoples Repub of. Donated by Chi-Shan Cheng, Chekiang Forestry College, Hangchow, Chekiang. Received through Z. S. Wochok, Plant Resources Institute, Salt Lake City, Utah.
Received March 1979.

From Chestnut Seed Orchard Station, Zhu-ji County, Chekiang. Nuts large. Superior type. Tree. Cultivated.
Seed.

433284. *Euonymus bungeana* Maxim. (Celastraceae).

From China, Peoples Repub of. Donated by Chi-Shan Cheng, Chekiang Forestry College, Hangchow, Chekiang. Received through Z. S. Wochok, Plant Resources Institute, Salt Lake City, Utah.
Received March 1979.

Collected December 15, 1978. From field in plains, Jian-Te County, Chekiang Province. Silk-cotton wood. Excellent for wood carving. Perennial woody. Wild. Seed.

433285. *Pinus langbianensis* Cheval. (Pinaceae).

From China, Peoples Repub of. Donated by Chi-Shan Cheng, Chekiang Forestry College, Hangchow, Chekiang. Received through Z. S. Wochok, Plant Resources Institute, Salt Lake City, Utah.
Received March 1979.

From Si-mao County, Yunan Province. Tree. Wild. Seed.

433286. *Pinus yunnanensis* Franch. (Pinaceae).

From China, Peoples Repub of. Donated by Chi-Shan Cheng, Chekiang Forestry College, Hangchow, Chekiang. Received through Z. S. Wochok, Plant Resources Institute, Salt Lake City, Utah.
Received March 1979.

From Si-mao County, Yunan Providence. Tree. Wild. Seed.

433287. *Torreya grandis* Fort. (Taxaceae).

From China, Peoples Repub of. Donated by Chi-Shan Cheng, Chekiang

433287-continued

Forestry College, Hangchow, Chekiang. Received through Z. S. Wochok, Plant Resources Institute, Salt Lake City, Utah.
Received March 1979.

From Zhu-ji County, Chekiang Province. Seeds edible, sold in markets. Tree. Seed.

433288. *Cunninghamia lanceolata* (Lamb.) Hook. (Pinaceae).

From China, Peoples Repub of. Donated by Y. C. Hou, Forestry Research Institute of Kwangtung Province, Saho, Canton.
Received March 1979.

Northern mountain of Kwangtung Province. Tree. Seed.

433289. *Glyptostrobus lineatus* (Poir.) Druce (Taxodiaceae).

From China, Peoples Repub of. Donated by Y. C. Hou, Forestry Research Institute of Kwangtung Province, Saho, Canton.
Received March 1979.

Along river near Canton. Tree. Seed.

433290 TO 433292. *Pinus massoniana* Lamb. (Pinaceae).

From China, Peoples Repub of. Donated by Y. C. Hou, Forestry Research Institute of Kwangtung Province, Saho, Canton.
Received March 1979.

433290. Eastern region of Kwangtung Province. Tree. Seed.

433291. Eastern region of Kwangtung Province. Tree no. 8. Tree. Seed.

433292. Eastern region of Kwangtung Province. Tree no. 9. Tree. Seed.

433293 TO 433294. *Citrus paradisi* Macfad. (Rutaceae) Grapefruit.

From United States. Donated by R. A. Hamilton, Department of Horticulture, University of Hawaii, Honolulu, Hawaii.
Received February 1979.

433293. 'Perlis'. From seedling tree No. 1. Originally grown in Perlis and Kedah states of Malaysia. Early colonial introduction. Fruits white, averaging about 10 seeds each. Tree. Cultivated. Cultivar. Budwood.

433294. 'Perlis'. From seedling tree No. 2. Originally grown in

433293 TO 433294-continued

Perlis and Kedah states of Malaysia. Early colonial introduction. Fruits white, averaging about 10 seeds each. Tree. Cultivated. Cultivar. Budwood.

433295. Citrus sinensis (L.) Osb. (Rutaceae) Sweet orange.

From Venezuela. Donated by F. Leal P., Universidad Central de Venezuela, Instituto de Agronomia, Aragua. Received through A.H. Krezdorn, Fruit Crops Dept., Univ. of Florida, Gainesville, Florida.

Received February 1979.

'Cara'. Bud sport of the Washington navel orange. Fruits red-flashed. Tree. Cultivated. Cultivar. Budwood.

433296 TO 433301. Eleutherococcus senticosus (Rupr. & Maxim.) Maxim. (Araliaceae).

From Soviet Union. Donated by N. I. Vavilov Institute of Plant Industry, Leningrad.

Received April 1979.

433296. Wild. Seed.

433297. Wild. Seed.

433298. Wild. Seed.

433299. Wild. Seed.

433300. Wild. Seed.

433301. Wild. Seed.

433302 TO 433303. Gossypium hirsutum L. (Malvaceae) Upland cotton.

From China, Peoples Repub of. Donated by China Seeds Corporation, Beijing.

Received April 1979.

433302. 'Daihongdai'. China, Peoples Repub of. Cotton Experimental Station of Hunan Province. Selection from a Local type x foreign introduction. Medium maturity (120 days). Plants 1.1m tall with compact pyramid shape. Main stem stout, purple. Leaves medium size, heart-shaped. Bolls many, oval-shaped, beaked, with glands on top, 40% lint. Cultivated. Cultivar. Seed.

433303. 'Hupei-2116'. China, Peoples Repub of. Hupei Agricultural Scientific Academy. Plants medium height,

433302 TO 433303-continued

spreading. Fruiting branches dark red. Bolls medium-sized with short beak and open well. About 187 bolls per kg. Lint percentage 39-40. Resistant to boll rots. Cultivated. Cultivar. Seed.

433304 TO 433305. *Arachis glabrata* Benth. (Fabaceae).

From United States. Held by R. O. Hammons, Crops Research Unit, SEA-AR, U.S. Department of Agriculture, Tifton, Georgia.
Received April 1979.

433304. A-20. Originally collected by J. L. Stephens in 1947-48 from South America. Plants usually small, perennial with rhizomes. Leaves coriaceous with narrow leaflets. Poor seed producer. Plants.

433305. A-30. Originally collected by J. L. Stephens in 1947-48 from South America. Plants robust, tetraploid, perennial with rhizomes. Sets some seed. Plants.

433306 TO 433307. *Magnolia* hybrid (Magnoliaceae).

From United States. Held by F. S. Santamour, Jr., U. S. National Arboretum, Science and Education Administration, U. S. Department of Agriculture, Washington, D.C.
Received April 1979.

433306. N.A. 28352-14. Selection from cross *M. quinguepeta* (liliflora) NA 2901 x *M. sprengeri* 'Diva' NA 4268 made by W. F. Kosar in 1963. Tree upright, single-trunked. Flowers red-purple. Grows well in sod under various soil conditions. Hardiness Zone 5. Plants.

433307. N.A. 31312-8. Selection from cross *M. hypoleuca* NA 1419 x *M. virginiana* NA 1418 made by W. F. Kosar in 1956. Tree upright, single or multi-trunked with unique "tropical" appearance. Leaves large, green with white underside, deciduous. Flowers large, white, fragrant. Hardness Zone 5. Plants.

433308. *Rubus* sp. (Rosaceae).

From Costa Rica. Donated by D. G. Huttleston, Department of Horticulture, Longwood Gardens, Kennett Square, Pennsylvania.
Received April 1979.

Purchased January 24, 1979 along roadside at Empalme.
Seed.

433309 TO 433346. *Allium cepa* L. (Amaryllidaceae) Onion.

From Czechoslovakia. Donated by Institute of Genetic and Plant Breeding, Research Institute of Crop Production, Praha 6-Ruzyne. Received April 1979.

- 433309. Aichi yellow globe. Cultivated. Seed.
- 433310. Barletta. Cultivated. Seed.
- 433311. Blanc Premier. Cultivated. Seed.
- 433312. Brigham Yellow Globe. Cultivated. Seed.
- 433313. Crystal White Wax. Cultivated. Seed.
- 433314. Dragon Eye Hybrid O-Y. Cultivated. Seed.
- 433315. Early Yellow Globe. Cultivated. Seed.
- 433316. Excel Bermuda. Cultivated. Seed.
- 433317. Express Yellow Hybrid O-X. Cultivated. Seed.
- 433318. Extra Early Kaizuka. Cultivated. Seed.
- 433319. Fruhi Blassrote. Cultivated. Seed.
- 433320. Hiberna (=Vsetatska ozima). Cultivated. Seed.
- 433321. Hybrid Abundance. Cultivated. Seed.
- 433322. Hybrid Elite. Cultivated. Seed.
- 433323. Ideal. Cultivated. Seed.
- 433324. Imai Early Yellow. Cultivated. Seed.
- 433325. Imai Yellow. Cultivated. Seed.
- 433326. Imperial 48. Cultivated. Seed.
- 433327. Japanese Semi Globe Yellow. Cultivated. Seed.
- 433328. Kasticka. Cultivated. Seed.
- 433329. Maggiola. Cultivated. Seed.
- 433330. Obrovska zluta. Cultivated. Seed.
- 433331. Presto. Cultivated. Seed.
- 433332. Rijnsburger. Cultivated. Seed.

433309 TO 433346--continued

- 433333. Riverside Sweet Spanish Yellow. Cultivated. Seed.
- 433334. Superba. Cultivated. Seed.
- 433335. Takii's Express Harvest Yellow. Cultivated. Seed.
- 433336. Takii's Non Bolting. Cultivated. Seed.
- 433337. Vroegste Wonder. Cultivated. Seed.
- 433338. Vsetana (= Vestatska). Cultivated. Seed.
- 433339. Weisse Fruhlingszwiebel. Cultivated. Seed.
- 433340. Weisse Konigin. Cultivated. Seed.
- 433341. White Lisabon. Cultivated. Seed.
- 433342. White Portugal. Cultivated. Seed.
- 433343. Wolska. Cultivated. Seed.
- 433344. 303 R. Cultivated. Seed.
- 433345. 374 H. Cultivated. Seed.
- 433346. 376 R. Cultivated. Seed.

433347 TO 433356. *Arachis hypogaea* L. (Fabaceae) Peanut.

From China, Peoples Repub of. Donated by Chi-wen Chen, Academy of Agricultural Sciences of Shandong Province, Jinan.
Received April 1979.

- 433347. Fu. Summer type. Early maturity, medium size.
Indeterminate. Branches sparse, good adaptability.
Cultivated. Seed.
- 433348. Hua No. 11. Pear type. Early maturity, medium size.
Indeterminate. Branches sparse. Cultivated. Seed.
- 433349. Hua No. 17. Large size. Alternate blooming. Branches
dense. Cultivated. Seed.
- 433350. Pen Lai Yi Wo Hou. Late maturity, large size. Alternate
blooming. Branches dense. Cultivated. Seed.
- 433351. Jiangge Zhuang. Semi-erect. Late maturity, large size.
Alternate blooming. Branches dense. Cultivated. Seed.
- 433352. Rong Cheng. Seeds small, red. Early maturity.

433347 TO 433356--continued

Indeterminate. Branches sparse. Cultivated. Seed.

433353. Pong Lai. Seeds small, red. Early maturity.
Indeterminate. Branches sparse. Cultivated. Seed.

433354. Fan-siu No. 1. Late maturity (150 days), large size.
Alternate blooming. Branches dense. Cultivated. Seed.

433355. Jin 69-1404. Early maturity (125 days), medium size.
Indeterminate. Branches sparse. Cultivated. Seed.

433356. Xi Yang Sheng. Late maturity, medium to large size.
Alternate blooming. Branches dense. Cultivated. Seed.

433357 TO 433360. Capsicum annum L. (Solanaceae).

From Korea, Republic of. Donated by In Hwan Kim, Office of Rural
Development, Suweon 170.
Received April 1979.

433357. Cheon An. Seed.

433358. Hyenggert. Seed.

433359. Kim Chang Go Chu. Seed.

433360. Saego Chu. Seed.

433361. Glycine clandestina Wendl. (Fabaceae).

From China, Republic of. Donated by L. Ho, The Asian Vegetable
Research and Development Center, Shanhua, Tainan.
Received April 1979.

AVRDC 5163. From Chu. Climbing type. Seed.

433362 TO 433375. Glycine sp. (Fabaceae).

From China, Republic of. Donated by L. Ho, The Asian Vegetable
Research and Development Center, Shanhua, Tainan.
Received April 1979.

433362. AVRDC 5156. From Chu. Climbing type. Received as *G.*
javanica. Seed.

433363. AVRDC 5157. From Chu. Climbing type. Received as *G.*
javanica. Seed.

433364. AVRDC 9055. Korea, Republic of. Climbing type. Received
as *G. javanica*. Seed.

433362 TO 433375-continued

433365. AVRDC 9056. Korea, Republic of. Climbing type. Received as *G. javanica*. Seed.
433366. AVRDC 9057. Korea, Republic of. Climbing type. Received as *G. javanica*. Seed.
433367. AVRDC 9058. Korea, Republic of. Climbing type. Received as *G. javanica*. Seed.
433368. AVRDC 9059. Korea, Republic of. Climbing type. Received as *G. javanica*. Seed.
433369. AVRDC 9060. Korea, Republic of. Climbing type. Received as *G. javanica*. Seed.
433370. AVRDC 9061. Korea, Republic of. Climbing type. Received as *G. javanica*. Seed.
433371. AVRDC 9062. Korea, Republic of. Climbing type. Received as *G. javanica*. Seed.
433372. AVRDC 9063. Korea, Republic of. Climbing type. Received as *G. javanica*. Seed.
433373. AVRDC 9064. Korea, Republic of. Climbing type. Received as *G. javanica*. Seed.
433374. AVRDC 9065. Korea, Republic of. Climbing type. Received as *G. javanica*. Seed.
433375. AVRDC 9066. Korea, Republic of. Climbing type. Received as *G. javanica*. Seed.

433376. *Glycine tabacina* (Labill.) Benth. (Fabaceae).

From China, Republic of. Donated by L. Ho, The Asian Vegetable Research and Development Center, Shanhua, Tainan. Received April 1979.

AVRDC 5164. From Chu. Climbing type. Seed.

433377. *Helianthus annuus* L. (Asteraceae) Sunflower.

From Egypt. Donated by Oilseed Section, Egyptian Agricultural Research Center, Giza, Cairo. Received through Agricultural Development Office, USAID, Cairo. Received May 1979.

'Giza'. Maturity 100-110 days. Oil content 28-32%. Hull 35%. Susceptible to leaf spot, charcoal rot, Fusarium

433377-continued

wilt, and rust. Cultivated. Cultivar. Seed.

433378 TO 433379. *Chenopodium album* L. (Chenopodiaceae) Lambsquarters.

From China, Republic of. Collected by W. H. Fogg, Department of Geography, University of Oregon, Eugene, Oregon.
Received July 1978.

433378. 82. Collected July 29, 1977. Lu-k'ai tribe, Ta-nan ts'un, Pei-nan hsiang, T'ai tung hsien. 300m. Received as variety *centrorubrum*. Plants .3-1.5m tall, brilliant scarlet at maturity. Leaves used for pot greens, seeds and perianth for porridge. Local name Balt. Cultivated. Landrace. Seed.

433379. 93. Collected August 26, 1977. Lu-k'ai tribe, Ta-nan ts'un, Pei-nan hsiang, T'ai tung hsien. 300m. Received as variety *centrorubrum*. Similar to PI 433378. Local name Balt. Cultivated. Landrace. Seed.

433380. *Eleusine coracana* (L.) Gaertn. (Poaceae) Finger millet.

From China, Republic of. Collected by W. H. Fogg, Department of Geography, University of Oregon, Eugene, Oregon.
Received July 1978.

48. Collected July 15, 1977. Bunung tribe, Jen-ho Ts'un, Hsin-yu hsiang, Nan-t'ou hsien. 600m. Panicles open, branches 7cm. Non-sticky starch. Cultivated. Landrace. Seed.

433381. *Panicum miliaceum* L. (Poaceae) Proso millet.

From China, Republic of. Collected by W. H. Fogg, Department of Geography, University of Oregon, Eugene, Oregon.
Received July 1978.

92. Collected August 19, 1977. T'aiyal tribe, Li-hsing ts'un, Jen-ai hsiang, Nan-t'ou hsien. 1600-1800m. Panicles open. Seeds yellow. Non-sticky starch. Local name Vishenutu. Cultivated. Landrace. Seed.

433382 TO 433481. *Setaria italica* (L.) Beauv. (Poaceae) Foxtail millet.

From China, Republic of. Collected by W. H. Fogg, Department of Geography, University of Oregon, Eugene, Oregon.
Received July 1978.

433382. 1. Taitung Selection 1. China, Republic of. T'ai tung

433382 TO 433481-continued

- Shih, T'aitung hsien. T'aitung Agricultural Res. and Improvement Station. Collected June 24, 1977. 50m. Plants 167cm tall. Panicles 44cm long, cylindrical. Lobe spacing loose. Bristles short. Maturity 125 days. Improved for yield. Sticky starch. Cultivated. Seed.
433383. 2. Taitung Selection 2. China, Republic of. T'aitung Shih, T'aitung hsien. T'aitung Agricultural Res. and Improvement Station. Collected June 24, 1977. 50m. Plants 166cm tall. Panicles 47cm long, cylindrical. Lobe spacing loose. Bristles short. Maturity 125 days. Improved for yield. Sticky starch. Cultivated. Seed.
433384. 3. Taitung Selection 3. China, Republic of. T'aitung Shih, T'aitung hsien. T'aitung Agricultural Res. and Improvement Station. Collected June 24, 1977. 50m. Plants 150cm tall. Panicles 32cm long, cylindrical. Lobe spacing dense. No bristles. Maturity 125 days. Improved for yield. Sticky starch. Cultivated. Seed.
433385. 4. Taitung Selection 5. China, Republic of. T'aitung Shih, T'aitung hsien. T'aitung Agricultural Res. and Improvement Station. Collected June 24, 1977. 50m. Plants 137cm tall. Panicles 29cm, cylindrical with pointed tip. Lobe spacing loose. No bristles. Maturity 123 days. Improved for yield. Sticky starch. Cultivated. Seed.
433386. 5. Taitung Selection 6. China, Republic of. T'aitung Shih, T'aitung hsien. T'aitung Agricultural Res. and Improvement Station. Collected June 24, 1977. 50m. Plants 153cm tall. Panicles 39cm, cylindrical. Lobe spacing dense. Bristles numerous. Sticky starch. Cultivated. Seed.
433387. 6. Taichung No. 6. China, Republic of. T'aitung Shih, T'aitung hsien. T'aitung Agricultural Res. and Improvement Station. Collected June 24, 1977. 50m. Panicles 21 x 3.5cm. Bristles 1 cm, abundant. Non-sticky starch. Introduced from Japan to Taichung. Cultivated. Seed.
433388. 7. Collected June 26, 1977. Luk'ai tribe, A-li Ts'un, Wu-t'ai hsiang, P'ing-tung hsien. 1500-1700m. Panicles 30cm long. Lobe spacing loose. Bristles 1 to 2 mm. Sticky starch. From volunteer plants. Local name Tararuba (crow or black). Cultivated. Landrace. Seed.
433389. 8. Collected June 26, 1977. Luk'ai tribe, A-li Ts'un, Wu-t'ai hsiang, P'ing-tung hsien. 1500-1700m. Panicles 30cm long. Lobe spacing medium-dense, 2.5cm and pointed. Bristles to 1 mm. Sticky starch. Local name Senatha. Cultivated. Landrace. Seed.
433390. 9. Collected June 26, 1977. Luk'ai tribe, A-li Ts'un, Wu-

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- t'ai hsiang, Ping-tung hsien. 1500-1700m. Panicles 30cm long, cylindrical, pointed end. Lobe spacing medium. Bristles to 1 mm. Sticky starch. Local name Daranidan. Cultivated. Landrace. Seed.
433391. 10. Collected June 26, 1977. Luk'ai tribe, A-li Ts'un, Wu-t'ai hsiang, P'ing-tung hsien. 1500-1700m. Panicles 25cm long, cylindrical, pointed end. Lobes long, spacing loose. Bristles 3mm, tips have fertile florets. Sticky starch. Local name Daraidan thaya thaya (red, two layers). Cultivated. Landrace. Seed.
433392. 11. Collected June 26, 1977. Luk'ai tribe, A-li Ts'un, Wu-t'ai hsiang, P'ing tung hsien. 1500-1700m. Panicles 25cm long, loose, branching. Bristles have fertile florets. Sticky starch. Local name Thaya Thaya (two layers). Cultivated. Landrace. Seed.
433393. 12. Collected June 26, 1977. Luk'ai tribe, A-li Ts'un, Wu-t'ai hsiang, P'ing-tung hsien. 1500-1700m. Panicles 15cm long, cylindrical, rounded end. Bristles to 1 mm. Seeds yellow. Sticky starch. Local name Sagaran. Cultivated. Landrace. Seed.
433394. 13. Collected June 26, 1977. Luk'ai tribe, A-li Ts'un, Wu-t'ai hsiang, P'ing-tung hsien. 1500-1700m. Panicles 20cm long, bushy, branching, rounded and wider at end than base. Bristles 1 mm. Sticky starch. Local name Magadidipuran. Cultivated. Landrace. Seed.
433395. 14. Collected June 26, 1977. Luk'ai tribe, A-li Ts'un, Wu-t'ai hsiang, P'ing-tung hsien. 1500-1700m. Panicles 18cm long, pointed end. Bristles 1-2mm. Sticky starch. Local name Pal'daano. Cultivated. Landrace. Seed.
433396. 15. Collected June 26, 1977. Luk'ai tribe, A-li Ts'un, Wu-t'ai hsiang, P'ing-tung hsien. 1500-1700m. Panicles 41cm long, rounded end. Bristles 2mm. Sticky starch. Local name Pagarugareano. Cultivated. Landrace. Seed.
433397. 16. Collected June 26, 1977. Luk'ai tribe, A-li Ts'un, Wu-t'ai hsiang, P'ing-tung hsien. 1500-1700m. Panicles 21cm long, cylindrical, rounded end. Lobe spacing fairly dense. Bristles short. Non-sticky starch. Local name Ch'i pa ran. Cultivated. Landrace. Seed.
433398. 17. Collected June 26, 1977. Luk'ai tribe, A-li Ts'un, Wu-t'ai hsiang, P'ing-tung hsien. 1500-1700m. Panicles 18cm long, branching at end. Lobe spacing dense. Bristles 1 mm. Non-sticky starch. Local name Do la no. Cultivated. Landrace. Seed.
433399. 18. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-

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- yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 32cm long, rounded end. Lobe spacing fairly dense. Bristles 1-2mm. Non-sticky starch. Difficult to thresh. Ancient cultivar. Local name Lang'has or Luse di an. Cultivated. Landrace. Seed.
433400. 19. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 32cm long, rounded end. Lobe spacing dense. Bristles to 1 mm. Non-sticky starch. Local name Hanevalval (rainbow). Cultivated. Landrace. Seed.
433401. 20. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 32cm long, pointed end. Bristles 1-2mm. Non-sticky starch, tender, good cooking quality. Local name Lochlasad. Cultivated. Landrace. Seed.
433402. 21. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 40cm, bushy. Lobes 4cm. Bristles to 1 mm. Non-sticky starch, easily digested. Local name Pish Pish (like squirrel's tail). Cultivated. Landrace. Seed.
433403. 22. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 32cm long dense, distal end split. Bristles 2mm. Non-sticky starch. Local name Masunglab (green). Cultivated. Landrace. Seed.
433404. 23. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 30cm long, cylindrical, wider at distal end than base. Bristles have fertile florets. Non-sticky starch. Local name Havit or Havid (resembles a snake). Cultivated. Landrace. Seed.
433405. 24. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 40cm long, branching or forked at end. Lobes rounded, densely spaced. Bristles to .5mm. Non-sticky starch. Among best of cultivars, cooks and congeals well. Local name Banode. Cultivated. Landrace. Seed.
433406. 25. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 38cm long, cylindrical, branching or forked at end. Lobe spacing medium dense. Bristles short. Non-sticky starch. Local name Ban'ga. Cultivated. Landrace. Seed.
433407. 26. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 32cm long, cylindrical, branching at end. Lobe spacing medium, rounded point. Bristles 1-2mm. Non-sticky starch. Local

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name Ish Leshe. Cultivated. Landrace. Seed.

433408. 27. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 32cm long, rounded end. Lobe spacing loose. Bristle 2mm. Non-sticky starch. Local name Ish Bougha. Cultivated. Landrace. Seed.
433409. 28. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yu hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 27cm long, branching end. Lobes rounded, very dense spacing. Bristles short. Non-sticky starch, tender. Local name Hadlo (white). Cultivated. Landrace. Seed.
433410. 29. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 35cm long, cylindrical, pointed end. Lobe spacing loose. Bristles to .5mm. Non-sticky starch. Local name Modlohalo. Cultivated. Landrace. Seed.
433411. 30. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-T'ou hsien. 1000-1400m. Panicles 31cm long, pointed end. Lobe spacing dense. Bristles 1-2mm. Non-sticky starch. Similar to PI 433400. Local name Lebonoku (surname of grower). Cultivated. Landrace. Seed.
433412. 31. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 25cm long, firm, rounded end. Lobe spacing dense. Bristles short. Non-sticky starch. Local name Dahigh (surname). Cultivated. Landrace. Seed.
433413. 32. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 18cm long, pointed end. Lobes small. Bristles to .5mm. Sticky starch. Local name Kungsavevad. Cultivated. Landrace. Seed.
433414. 33. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 27cm long, bushy, rounded or flat, end wider than base. Lobes elongated. Sticky starch. Local name Coulevungnath (surname). Cultivated. Landrace. Seed.
433415. 34. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 31cm long, pointed end. Lobe spacing medium loose, elongated. Bristles 1 mm. Sticky starch. Local name Sa-vung-ath. Cultivated. Landrace. Seed.
433416. 35. Collected July 10, 1977. Bunung tribe, Tung-pu, Hsin-yi hsiang, Nan-t'ou hsien. 1000-1400m. Panicles 32cm long, pointed end. Lobes thin, spacing medium loose.

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Sticky starch. Local name E-val (surname). Cultivated.
Landrace. Seed.

433417. 36. Collected July 12, 1977. Bunung tribe, Chiu-mei, Hsin-yi hsiang, Nan-t'ou hsien. 980m. Panicles 15cm long, dense, heavy, biforked end. Bristles to .1 mm. Non-sticky starch, intermediate cooking texture. Local name Ganniath. Cultivated. Landrace. Seed.
433418. 37. Collected July 12, 1977. Bunung tribe, Chiu-mei, Hsin-yi hsiang, Nan-t'ou hsien. 980m. Panicles 27cm, dense. Seeds yellow. Non-sticky starch. Local name Gotzegotze. Cultivated. Landrace. Seed.
433419. 38. Collected July 12, 1977. Bunung tribe, Chiu-mei, Hsin-yi hsiang, Nan-t'ou hsien. 980m. Panicles 23cm long, pointed end. Bristles 1-2mm. Sticky starch. Local name Kunt'sabisal. Cultivated. Landrace. Seed.
433420. 39. Collected July 12, 1977. Bunung tribe, Chiu-mei, Hsin-yi hsiang, Nan-t'ou hsien. 980m. Panicles 32cm long, cylindrical, wider at end than base. Bristles, tips with fertile florets. From PI 433404. Non-sticky starch. Local name David-ungal. Cultivated. Landrace. Seed.
433421. 40. Collected July 12, 1977. Bunung tribe, Chiu-mei, Hsin-yi hsiang, Nan-t'ou hsien. 980m. Panicles 26cm long, forked end. Non-sticky starch, good taste. Local name Adlo. Cultivated. Landrace. Seed.
433422. 41. Collected July 12, 1977. Bunung tribe, Chiu-mei, Hsin-yi hsiang, Nan-t'ou hsien. 980m. Panicles 25cm long, rounded end. Lobe spacing loose. Sticky starch. Local name Dongo hadlad. Cultivated. Landrace. Seed.
433423. 42. Collected July 15, 1977. Bunung tribe, Jen-ho, Hsin-yi hsiang, Nan-t'ou hsien. 600m. Panicles branching. Lobe spacing loose. From PI 433414. Sticky starch. Local name Coulevungnath. Cultivated. Landrace. Seed.
433424. 43. Collected July 15, 1977. Bunung tribe, Jen-ho, Hsin-yi hsiang, Nan-t'ou hsien. 600m. Panicles 30cm long, branching end. Bristles 2mm. From Tung-pu, similar to PI 433408. Local name Gundion. Cultivated. Landrace. Seed.
433425. 44. Collected July 15, 1977. Bunung tribe, Jen-ho, Hsin-yi hsiang, Nan-t'ou hsien. 600m. Panicles 38cm long, loose. Lobes 3cm, elongated. Bristles .5mm. From Tung-pu. Non-sticky starch. Local name Sabulook. Cultivated. Landrace. Seed.
433426. 45. Collected July 15, 1977. Bunung tribe, Jen-ho, Hsin-yi hsiang, Nan-t'ou hsien. 600m. Distinct type from Tung-

pu. Cultivated. Landrace. Seed.

433427. 46. Collected July 15, 1977. Bunung tribe, Jen-ho, Hsin-yi hsiang, Nan-t'ou hsien. 600m. Panicles 28cm long, branching end. Lobe spacing loose. Bristles 1 mm. Non-sticky starch. Local name Madloch Nippon. Originally from Japan. Cultivated. Landrace. Seed.
433428. 47. Collected July 15, 1977. Bunung tribe, Jen-ho, Hsin-yi hsiang, Nan-t'ou hsien. 600m. Panicles 24cm long. Lobe spacing very dense. Bristles .5mm. Sticky starch. Local name Danalsulook. Diseased. Cultivated. Landrace. Seed.
433429. 49. Collected July 17, 1977. Paiwan tribe, Ta-niao, Taima-li hsiang, T'aitung hsien. 100-200m. Panicles short, wide, 4 x 3cm, pointed tip. Lobe spacing fairly dense. Bristles short. Sticky starch. Local name Choi Choi or Chuai Chuai. Cultivated. Landrace. Seed.
433430. 50. Collected July 17, 1977. Paiwan tribe, Ta-niao, Taima-li hsiang, T'aitung hsien. 100-200m. Panicles 20cm long, pointed end. Bristles short. Resembles *S. italica* var. *germanica*. Non-sticky starch. Local name Tsepagan. Cultivated. Landrace. Seed.
433431. 51. Collected July 17, 1977. Paiwan tribe, Ta-niao, Taima-li hsiang, T'aitung hsien. 100-200m. Panicles 23cm long, pointed end. Lobe spacing medium. Bristles 1 mm. Non-sticky starch. Local name Kolis (tsepalan). Cultivated. Landrace. Seed.
433432. 52. Collected July 17, 1977. Paiwan tribe, Ta-niao, Taima-li hsiang, T'aitung hsien. 100-200m. Panicles 28cm long, narrow, pointed end. Lobe spacing dense. Bristles 1 mm. Non-sticky starch. Local name Saliganaw. Cultivated. Landrace. Seed.
433433. 53. Collected July 17, 1977. Paiwan tribe, Ta-niao, Taima-li hsiang, T'aitung hsien. 100-200m. Panicles 18cm long, rounded end wider than base. Glumes red. Bristles .5mm. Sticky starch. Local name Gingo. Cultivated. Landrace. Seed.
433434. 54. Collected July 17, 1977. Paiwan tribe, Ta-niao, Taima-li hsiang, T'aitung hsien. 100-200m. Panicles 18cm long, pointed end. Lobe spacing dense. Bristles 3mm. Sticky starch. Local name Havan. Cultivated. Landrace. Seed.
433435. 55. Collected July 17, 1977. Paiwan tribe, Ta-niao, Taima-li hsiang, T'aitung hsien. 100-200m. Panicles 23cm long, pointed end. Lobe spacing loose. Bristles 1 mm. Sticky starch. Local name Pagilavilan. Cultivated.

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Landrace. Seed.

433436. 56. Collected July 17, 1977. Paiwan tribe, Ta-chu, Taima-li hsiang, T'aitung hsien. 100m. Panicles 16 x 4cm, barrell shaped, rounded end. Lobe spacing medium. Sticky starch. Cultivated. Landrace. Seed.
433437. 57. Collected July 17, 1977. Paiwan tribe, Ta-chu, Taima-li hsiang, T'aitung hsien. 100m. Panicles 15cm long, rounded end. Bristles to 1 mm. Sticky starch. Cultivated. Landrace. Seed.
433438. 58. Collected July 17, 1977. Paiwan tribe, T'u-pan, Taji-hsiang, T'aitung hsien. 200-500m. Panicles 21cm long, rounded end. Lobe spacing medium. Bristles 1 mm. Seedcoat deep red. Sticky starch. Local name Go Ji Ji (red). Cultivated. Landrace. Seed.
433439. 59. Collected July 17, 1977. Paiwan tribe, T'u-pan, Taji-hsiang, T'aitung hsien. 200-500m. Panicles 15cm long, barrel shaped, rounded end wider than base. Lobe spacing medium loose. Bristles 1 mm. Glumes purple-red. Sticky starch. Local name Gapaliang. Cultivated. Landrace. Seed.
433440. 60. Collected July 17, 1977. Paiwan tribe, T'u-pan, Taji-hsiang, T'aitung hsien. 200-500m. Panicles 10cm long, pointed end. Lobe spacing medium. Bristles 1 mm. Non-sticky starch. Cultivated. Landrace. Seed.
433441. 61. Collected July 17, 1977. Paiwan tribe, T'u-pan, Taji-hsiang, T'aitung hsien. 200-500m. Panicles 12 x 4cm, rounded end wider than base. Lobe spacing loose. Bristles 1 mm. Sticky starch. Local name Kagulu. Cultivated. Landrace. Seed.
433442. 62. Collected July 21, 1977. Yami tribe, Yu-jen ts'un, Lan-yu Island, T'aitung hsien. 100-300m. Plants multi-tillered. Panicles 10cm long, rounded end, numerous. Lobe spacing dense. Bristles 1 mm. Seeds yellow with black mottling. Glumes black. Non-sticky starch. Primitive. Local name Pinarie. Cultivated. Landrace. Seed.
433443. 63. Collected July 21, 1977. Yami tribe, Yu-jen ts'un, Lan-yu Island, T'aitung hsien. 100-300m. Similar to PI 433442, but smaller. Plants multi-tillered. Panicles 4-5cm. No lobe development. Leaf blades narrow. Seed color variable. Non-sticky starch. Primitive. Local name Eorok. Cultivated. Landrace. Seed.
433444. 64. Collected July 21, 1977. Yami tribe, Yu-jen ts'un, Lan-yu Island, T'aitung hsien. 100-300m. Plants multi-tillered. Panicles 6cm long, pointed end. No lobe development. Leaf blades narrow. Seed color variable.

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- Glumes black. Non-sticky starch. Primitive. Local name Karanet. Cultivated. Landrace. Seed.
433445. 65. Collected July 21, 1977. Yami tribe, Yu-jen ts'un, Lan-yu Island, T'aitung hsien. 100-300m. Plants multi-tillered. Panicles 3.5 x .9cm. No lobe development. Bristles short. Seeds black to yellow, densely packed. Glumes black. Non-sticky starch. Primitive. Local name Rokbab. Cultivated. Landrace. Seed.
433446. 66. Collected July 21, 1977. Yami tribe, Yu-jen ts'un, Lan-yu Island, T'aitung hsien. 100-300m. Plants multi-tillered. Panicles 5cm long, bi-forked end. Glumes black. Non-sticky starch. Primitive. Local name Langa. Cultivated. Landrace. Seed.
433447. 68. Collected July 21, 1977. Yami tribe, Yu-jen ts'un, Lan-yu Island, T'aitung hsien. 100-300m. Plants multi-tillered. Leaf blades narrow. Panicles 8cm long. No lobe development. Bristles short. Non-sticky starch. Primitive. Local name Arie (white). Cultivated. Landrace. Seed.
433448. 69. Collected July 19, 1977. Bunun tribe, Wu-lu ts'un, Hai-tuan hsiang, T'aitung hsien. 1000m. Panicles 23cm long, forked or branched end. Lobe spacing dense. Bristles 1 mm. Non-sticky starch. Local name Pangah Dahlon. Cultivated. Landrace. Seed.
433449. 70. Collected July 19, 1977. Bunun tribe, Wu-lu ts'un, Hai-tuan hsiang, T'aitung hsien. 1000m. Panicles 35cm long, rounded end. Lobe spacing medium. Bristles 2mm. Glumes light red-purple. Similar to PI 433400 and 433451. Non-sticky starch. Local name Hanivalval Kuish. Cultivated. Landrace. Seed.
433450. 71. Collected July 19, 1977. Bunun tribe, Wu-lu ts'un, Hai-tuan hsiang, T'aitung hsien. 1000m. Panicles 15cm long, bi-forked at end. Lobe spacing dense. Bristles 1 mm. Sticky starch. Local name Wulavad. Cultivated. Landrace. Seed.
433451. 72. Collected July 19, 1977. Bunun tribe, Wu-lu ts'un, Hai-tuan hsiang, T'aitung hsien. 1000m. Panicles 37cm long, rounded end. Lobe spacing medium. Bristles to 1 mm. Glumes red-purple. Similar to PI 433400. Non-sticky starch. Local name Hanivalval. Cultivated. Landrace. Seed.
433452. 73. Collected July 19, 1977. Bunun tribe, Wu-lu ts'un, Hai-tuan hsiang, T'aitung hsien. 1000m. Panicles 32cm long, rounded end. Lobe spacing dense. Bristles 1 mm. Glumes red-purple. Similar to PI 433449 but panicles narrower and bristles shorter. Non-sticky starch. Local name Hanivalval Kuish. Cultivated. Landrace. Seed.

433453. 74. Collected July 19, 1977. Bunung tribe, Wu-lu ts'un, Hai-tuan hsiang, T'aitung hsien. 1000m. Panicles 45cm long, rounded end. Bristles 1 mm. Glumes brown-red. Stem along panicles dark gray. Known as black foxtail millet. Sticky starch. Local name Madloch Matadon. Cultivated. Landrace. Seed.
433454. 75. Collected July 19, 1977. Bunung tribe, Wu-lu ts'un, Hai-tuan hsiang, T'aitung hsien. 1000m. Panicles 33cm long, rounded end. Lobe spacing loose. Bristles to 1 mm. Cultivated. Landrace. Seed.
433455. 76. Collected July 19, 1977. Bunung tribe, Wu-lu ts'un, Hai-tuan hsiang, T'aitung hsien. 1000m. Panicles 26cm long, multi-forked end. Lobe spacing medium to dense. Bristles very short. Glumes light purple. Cultivated. Landrace. Seed.
433456. 77. Collected July 19, 1977. Bunung tribe, Wu-lu ts'un, Hai-tuan hsiang, T'aitung hsien. 1000m. Panicles 27cm long, pointed end. Lobe spacing medium. Bristles 1 mm. Glumes light purple-red. Cultivated. Landrace. Seed.
433457. 79. Collected July 29, 1977. Lukai tribe, Ta-nan ts'un, Pei-nan hsiang, T'aitung hsien. 300m. Panicles 30cm long, rounded end. Lobe spacing medium-dense. Bristles to 1 mm. Long maturation period. Sticky starch. Local name Magadranga. Cultivated. Landrace. Seed.
433458. 80. Collected July 29, 1977. Lukai tribe, Ta-nan ts'un, Pei-nan hsiang, T'aitung hsien. 300m. Panicles 24cm long, rounded end. Lobe spacing loose. Bristles 1-2mm. Glumes red. Maturation about 100 days. Sticky starch, tender texture. Local name Magalaoud. Cultivated. Landrace. Seed.
433459. 81. Collected July 29, 1977. Lukai tribe, Ta-nan ts'un, Pei-nan hsiang, T'aitung hsien. 300m. Panicles 17cm long, barrell shaped, pointed end. Lobe spacing medium to loose. Bristles to 1 mm. Long maturation period. Sticky starch. Local name Maga Hsinting (Paiwan). Cultivated. Landrace. Seed.
433460. 83. Collected August 17, 1977. Lukai tribe, A-li ts'un, Wu-t'ai hsiang, Ping-tung hsien. 1500-1700m. Panicles 28cm long, pointed end. Similar to PI 433388 but more variable in color. Sticky starch. Local name Tararuba. Cultivated. Landrace. Seed.
433461. 84. Collected August 17, 1977. Lukai tribe, A-li ts'un, Wu-t'ai hsiang, Ping-tung hsien. 1500-1700m. Panicles 25cm long, narrow, pointed end. Lobe spacing medium. Bristles to 1 mm. Glumes deep brown. Sticky starch.

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Cultivated. Landrace. Seed.

433462. 85. Collected August 17, 1977. Lukai tribe, A-li ts'un, Wu-t'ai hsiang, Ping-tung hsien. 1500-1700m. Similar to PI 433393. Sticky starch. Local name Sagarán. Cultivated. Landrace. Seed.
433463. 86. Collected August 17, 1977. Lukai tribe, A-li ts'un, Wu-t'ai hsiang, Ping-tung hsien. 1500-1700m. Panicles 17cm long, rounded end. Lobe spacing loose. Similar to PI 433394. Local name Magadidipuran. Cultivated. Landrace. Seed.
433464. 87. Collected August 19, 1977. T'aiyal tribe, Li-hsing ts'un, Jen-ai hsiang, Nan-t'ou hsien. 1600-1700m. Panicles 20cm long, oblate, wider at end than at base. Lobe spacing fairly dense. Bristles to 1 mm. Sticky starch, good taste. Local name Naeloong. Cultivated. Landrace. Seed.
433465. 88. Collected August 19, 1977. T'aiyal tribe, Li-hsing ts'un, Jen-ai hsiang, Nan-t'ou hsien. 1600-1700m. Panicles 18cm long, pointed end. Lobe spacing dense. Bristles to 1 mm. Non-sticky starch. Local name Balahigh. Cultivated. Landrace. Seed.
433466. 89. Collected August 19, 1977. T'aiyal tribe, Li-hsing ts'un, Jen-ai hsiang, Nan-t'ou hsien. 1600-1700m. Panicles 20cm long, pointed end. Lobe spacing fairly dense. Bristles to 1 mm. Sticky starch. Local name Tarakio Dua. Cultivated. Landrace. Seed.
433467. 90. Collected August 19, 1977. T'aiyal tribe, Li-hsing ts'un, Jen-ai hsiang, Nan-t'ou hsien. 1600-1700m. Panicles 25cm long, pointed end. Lobe spacing fairly dense. Bristles to 1 mm. Sticky starch. Cultivated. Landrace. Seed.
433468. 91. Collected August 19, 1977. T'aiyal tribe, Li-hsing ts'un, Jen-ai hsiang, Nan-t'ou hsien. 1600-1700m. Mixture of two landraces, one with sticky and one with non-sticky starch. Cultivated. Landrace. Seed.
433469. 95. Collected August 29, 1977. Bunung tribe, Li-tao ts'un, Hai-tuan hsiang, T'aitung hsien. 1200m. Panicles 38cm long, rounded end. Bristles 1-2mm. Glumes light red. Landrace of PI 433452. Non-sticky starch. Local name Hanevalval Kuish. Cultivated. Landrace. Seed.
433470. 96. Collected August 29, 1977. Bunung tribe, Li-tao ts'un, Hai-tuan hsiang, T'aitung hsien. 1200m. Panicles 28 x 3.5cm, bi-forked end. Bristles 2mm. Non-sticky starch. Local name Mabanga. Cultivated. Landrace. Seed.

433471. 97. Collected August 29, 1977. Bunung tribe, Li-tao ts'un, Hai-tuan hsiang, T'aitung hsien. 1200m. Panicles 20 x 4cm, barrel shaped, rounded end wider than base. Bristles 1 mm. Seeds buff brown. Glumes light brown. Non-sticky starch. Local name Tabungieth. Cultivated. Landrace. Seed.
433472. 98. Collected August 29, 1977. Bunung tribe, Li-tao ts'un, Hai-tuan hsiang, T'aitung hsien. 1200m. Panicles 29cm long, rounded end. Lobe spacing loose. Bristles 1-2mm. Glumes light red. Non-sticky starch. Local name Ishdaiish. Cultivated. Landrace. Seed.
433473. 99. Collected August 29, 1977. Bunung tribe, Li-tao ts'un, Hai-tuan hsiang, T'aitung hsien. 1200m. Panicles 24 x 4cm, bushy, branching. Lobes 4cm long. Bristles 1 mm. Glumes reddish-purple. Similar to PI 433402. Non-sticky starch, quick cooking. Local name Pavaneto. Cultivated. Landrace. Seed.
433474. 100. Collected August 29, 1977. Bunung tribe, Li-tao ts'un, Hai-tuan hsiang, T'aitung hsien. 1200m. Panicles 23cm long, rounded end. Bristles short to 1 mm. Sticky starch. Local name Dochlasad. Cultivated. Landrace. Seed.
433475. 101. Collected August 29, 1977. Bunung tribe, Li-tao ts'un, Hai-tuan hsiang, T'aitung hsien. 1200m. Panicles 39cm long, rounded end. Lobe spacing dense. Bristles 3mm. Local name Madloch nish nish (millet with long bristles). Cultivated. Landrace. Seed.
433476. 102. Collected August 29, 1977. Bunung tribe, Li-tao ts'un, Hai-tuan hsiang, T'aitung hsien. 1200m. Panicles 31cm long, rounded end. Lobe spacing loose, branching. Short maturation period. Sticky starch. Local name Ishlumav. Cultivated. Landrace. Seed.
433477. 103. Collected August 29, 1977. Bunung tribe, Li-tao ts'un, Hai-tuan hsiang, T'aitung hsien. 1200m. Panicles 20cm long, rounded end wider than base. Bristles 2mm. Glumes red. Non-sticky starch. Local name Maydeav. Cultivated. Landrace. Seed.
433478. 104. Collected August 29, 1977. Bunung tribe, Li-tao ts'un, Hai-tuan hsiang, T'aitung hsien. 1200m. Panicles 34cm long, rounded end. Lobe spacing loose. Bristles 1 mm. Glumes light red. Non-sticky starch. Local name Dainal. Cultivated. Landrace. Seed.
433479. 105. Collected August 29, 1977. Bunung tribe, Li-tao ts'un, Hai-tuan hsiang, T'aitung hsien. 1200m. Panicles 30cm long, rounded end. Lobe spacing loose. Bristles 1 mm.

433382 TO 433481—continued

Sticky starch. Local name Laiduan. Cultivated. Landrace. Seed.

433480. 106. Collected August 29, 1977. Bunung tribe, Li-tao ts'un, Hai-tuan hsiang, T'aitung hsien. 1200m. Panicles 30cm long, rounded end. Lobe spacing loose. Bristles 1-2mm. Similar to PI 433408. Non-sticky starch, good taste. Local name Ishbougha. Cultivated. Landrace. Seed.

433481. 107. Collected August 29, 1977. Bunung tribe, Li-tao ts'un, Hai-tuan hsiang, T'aitung hsien. 1200m. Panicles 27cm long, branching end. Lobe spacing fairly dense. Bristles 1 mm. Glumes reddish. Local name Ishsumsum. Cultivated. Landrace. Seed.

433482. Sorghum bicolor (L.) Moench (Poaceae) Grain sorghum.

From China, Republic of. Collected by W. H. Fogg, Department of Geography, University of Oregon, Eugene, Oregon.
Received July 1978.

78. Collected July 26, 1977. Lukai tribe, Ta-nan ts'un, Pei-nan hsiang, T'aitung hsien. 300m. Plants 2m tall. Panicles open, branching. Seed deep red. Broomcorn type. Introduced in 1930 by Japanese. Cultivated. Landrace. Seed.

433483 TO 433484. Arachis hypogaea L. (Fabaceae) Peanut.

From Venezuela. Donated by B. Mazzani, FONAIAP-Centro Nacional Investifaciones Agropecuarias, Maracay.
Received May 1979.

433483. Blanco Peru. Breeding material. Seed.

433484. 73-261. Breeding material. Seed.

433485 TO 433488. Zea mays L. (Poaceae) Field corn.

From Netherlands. Donated by Zelder b. v., Ottersum.
Received April 1979.

433485. Prior A. Inbred of double cross hybrid 'Prior'. Breeding material. Seed.

433486. Prior B. Inbred of double cross hybrid 'Prior'. Breeding material. Seed.

433487. Prior C. Inbred of double cross hybrid 'Prior'. Breeding material. Seed.

433485 TO 433488—continued

433488. Prior D. Inbred of double cross hybrid 'Prior'. Breeding material. Seed.

433489. *Triticum aestivum* L. (Poaceae) Common wheat.

From United Kingdom. Donated by R. Johnson, Plant Breeding Institute, Cambridge.

Received May 1979.

TP-24-10-1970. Cappelle Desprez x Soissonais. Winter annual. Cultivated. Breeding material. Seed.

433490. *Cassia* sp. (Fabaceae).

From Colombia. Donated by Celanese Colombiana S. A., Bogota, D. E. Received May 1979.

From ICA, Motilonia-Cesar. Seed.

433491 TO 433492. *Cyamopsis tetragonoloba* (L.) Taub. (Fabaceae) Guar.

From Colombia. Donated by Celanese Colombiana S. A., Bogota, D. E. Received May 1979.

433491. From Cesar. Seed.

433492. From Chicoral-Tolima. Seed.

433493 TO 433518. *Oryza sativa* L. (Poaceae) Rice.

From Italy. Donated by Ente Nazionale Risi, Centro Di Ricerche Sul Riso, Mortara.

Received May 1979.

433493. Argo 9. Cultivated. Seed.

433494. Arpa. Cultivated. Seed.

433495. Auro. Cultivated. Seed.

433496. Baldo. Cultivated. Seed.

433497. Castello. Cultivated. Seed.

433498. Cripto 3. Cultivated. Seed.

433499. Europa. Cultivated. Seed.

433493 TO 433518-continued

- 433500. Faro. Cultivated. Seed.
- 433501. Gritna. Cultivated. Seed.
- 433502. Lido. Cultivated. Seed.
- 433503. Nerretto. Cultivated. Seed.
- 433504. Nero. Cultivated. Seed.
- 433505. Padano. Cultivated. Seed.
- 433506. Piemonte. Cultivated. Seed.
- 433507. Pierina Marchetti (P.M.). Cultivated. Seed.
- 433508. Radon 2. Cultivated. Seed.
- 433509. Ringo. Cultivated. Seed.
- 433510. Rodio. Cultivated. Seed.
- 433511. Romanico. Cultivated. Seed.
- 433512. Romeo. Cultivated. Seed.
- 433513. Rosa Marchetti (R.M.). Cultivated. Seed.
- 433514. Rubino. Cultivated. Seed.
- 433515. S. Andrea. Cultivated. Seed.
- 433516. Titanio. Cultivated. Seed.
- 433517. Torio. Cultivated. Seed.
- 433518. Veneria. Cultivated. Seed.

433519 TO 433521. Oryza sativa L. (Poaceae) Rice.

From India. Donated by AICRIP, Rajendranagar, Hyderabad. Received through National Bureau of Plant Genetic Resources, IARI, New Delhi. Received May 1979.

- 433519. Guyana Sel. 60-283. Tolerant to sheath blight. Cultivated. Seed.
- 433520. Pankaj. Tolerant to sheath blight. Cultivated. Seed.
- 433521. Ta-poo-cho-Z. Tolerant to sheath blight. Cultivated. Seed.

433522 TO 433523. *Vaccinium exul* Bolus (Ericaceae).

From South Africa. Collected by A. Balsinhas, Botanical Research Institute, Pretoria.

Received May 1979.

433522. 3385. Collected March 06, 1979. Long Tom Pass, Lydenburg, Grid Ref. 2530 CA, Eastern Transvaal. Plants in scrub-thicket to 2m tall. Fruits red. Common. Perennial woody. Wild. Seed.

433523. 3389. Collected March 07, 1979. Gods Window, Pilgrim's Rest, Grid Ref. 2430 DB, Eastern Transvaal. Plants in scrub-thicket to 2m tall. Fruits red. Common. Perennial woody. Wild. Seed.

433524 TO 433526. *Arachis hypogaea* L. (Fabaceae) Peanut.

From India. Donated by International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad-500016.

Received May 1979.

433524. Robut 33-1. Seed.

433525. NC Ac. 17090. United States. Raleigh, North Carolina. North Carolina State University. Seed.

433526. EC 76446 (292). Seed.

433527 TO 433540. *Vicia faba* L. (Fabaceae) Broadbean.

From Canada. Donated by R. Drapeau, Ferme Experimentale, Agriculture Canada, Normandin, Quebec.

Received May 1979.

433527. Baie St. Paul. Seed.

433528. Baie St. Paul (Souche). Seed.

433529. Express Early. Seed.

433530. Gi-N (Normandin). Seed.

433531. Grosse Windsor. Seed.

433532. La Rapide. Seed.

433533. Long Pod. Seed.

433534. Mammoth. Seed.

433535. Olga. Seed.

433527 TO 433540-continued

- 433536. Petite Windsor. Seed.
- 433537. Triple Blanche. Seed.
- 433538. Tr-N (Normandin). Seed.
- 433539. Trois-Dans-Une. Seed.
- 433540. Vainqueur. Seed.

433541. Cenchrus ciliaris L. (Poaceae) Buffelgrass.

From Australia. Donated by R. Pullen, Plant Introduction and Seed Exchange Unit, Commonwealth Scientific and Industrial Res. Organization, Canberra.
Received May 1979.

Naturalized. Seed.

433542 TO 433548. Capsicum annum L. (Solanaceae).

From Mexico. Donated by G. Hernandez Bravo, Vegetable Crops, Instituto Nacional de Investigaciones Agricolas, Celaya, Guanajuato.
Received May 1979.

- 433542. Altamira. Serrano type. Cultivated. Seed.
- 433543. Esmeralda. Poblano type. Cultivated. Seed.
- 433544. Panuco. Serrano type. Cultivated. Seed.
- 433545. Roque. Mulato, poblano-negro type. Cultivated. Seed.
- 433546. Tampiqueno. Serrano type. Cultivated. Seed.
- 433547. Verdano. Poblano type. Cultivated. Seed.
- 433548. V-2. Mulato, poblano-negro type. Cultivated. Seed.

433549. Annona lutescens Saff. (Annonaceae).

From Cuba. Donated by Jardin Botanico Nacional, Universidad de La Habana, La Habana. Code numbers refer to 1978 Index Seminum.
Received May 1979.

70. Seed.

433550. *Annona spinescens* Mart. (Annonaceae).

From Cuba. Donated by Jardin Botanico Nacional, Universidad de La Habana, La Habana. Code numbers refer to 1978 Index Seminum.
Received May 1979.

75. Seed.

433551. *Desmodium tortuosum* (Sw.) DC. (Fabaceae) Florida beggarweed.

From Cuba. Donated by Jardin Botanico Nacional, Universidad de La Habana, La Habana. Code numbers refer to 1978 Index Seminum.
Received May 1979.

317. Seed.

433552. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Cuba. Donated by Jardin Botanico Nacional, Universidad de La Habana, La Habana. Code numbers refer to 1978 Index Seminum.
Received May 1979.

390. Received as *L. glauca*. Seed.

433553. *Piscidia piscipula* (L.) Sarg. (Fabaceae).

From Cuba. Donated by Jardin Botanico Nacional, Universidad de La Habana, La Habana. Code numbers refer to 1978 Index Seminum.
Received May 1979.

321. Seed.

433554. *Pterocarpus officinalis* Jacq. (Fabaceae).

From Cuba. Donated by Jardin Botanico Nacional, Universidad de La Habana, La Habana. Code numbers refer to 1978 Index Seminum.
Received May 1979.

322. Seed.

433555. *Rollinia deliciosa* Safford (Annonaceae).

From Cuba. Donated by Jardin Botanico Nacional, Universidad de La Habana, La Habana. Code numbers refer to 1978 Index Seminum.
Received May 1979.

80. Seed.

433556. *Alocasia heterophylla* (Presl) Merr. (Araceae).

From China, Peoples Repub of. Collected by Ying-jiang Huo, Forestry Research Institute of Guangdong Province, Saho, Guangdong.

Received June 1979.

Collected September 1978. From eroded granite-derived soils near Kwangchow. Tree. Wild. Seed.

433557. *Melia toosendan* Sieb. & Zucc. (Meliaceae).

From China, Peoples Repub of. Collected by Ying-jiang Huo, Forestry Research Institute of Guangdong Province, Saho, Guangdong.

Received June 1979.

Collected November 1978. From eastern plain of Kwangtung Province. Tree. Wild. Seed.

433558 TO 433559. *Acacia albida* Del. (Fabaceae) Apple-ring acacia.

From South Africa. Donated by T. C. Nel, Division of Plant and Seed Control, Pretoria.

Received May 1979.

433558. M 75/376. Kruger National Park, Eastern Transvaal. Tree. Wild. Seed.

433559. M 77/94. South-West Africa. Namib desert. Tree. Wild. Seed.

433560. *Pisum sativum* L. (Fabaceae) Garden pea.

From Netherlands. Collected by Dr. A. C. Zeven, Institute of Plant Breeding, Agricultural University, Wageningen.

Received May 1979.

Israel. Collected in northern Israel. Plants climbing, short-day type. Flowers orange. Wild. Seed.

433561 TO 433627. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From United States. Donated by D. W. Davis, Department of Horticulture & Landscape Architecture, University of Minnesota, St. Paul, Minnesota.

Received April 1979.

433561. 2/77. Minnesota. Heirloom type. Seeds buff with dark red streaks. Cultivated. Seed.

433561 TO 433627--continued

433562. 3/77. Minnesota. Heirloom type. Seeds speckled tan with brown streaks. Cultivated. Seed.
433563. 4/77. Minnesota. Heirloom type. Seeds white. Cultivated. Seed.
433564. 5/77. Minnesota. Heirloom type. Seeds white with brown mottling. Cultivated. Seed.
433565. 6/77. Minnesota. Heirloom type. Seeds brown. Cultivated. Seed.
433566. 7/77. Minnesota. Heirloom type. Seeds buff with red streaks. Cultivated. Seed.
433567. 9/77. Minnesota. Heirloom type. Seeds gray mottled with brown streaks. Cultivated. Seed.
433568. 10/77. Minnesota. Heirloom type. Seeds mottled with dark brown streaks. Cultivated. Seed.
433569. 11/77. Minnesota. Heirloom type. Seeds buff with dark flecks and streaks. Cultivated. Seed.
433570. 13/77. Minnesota. Heirloom type. Seeds tan with red flecks and streaks. Cultivated. Seed.
433571. 14/77. Minnesota. Heirloom type. Seeds tan with red flecks and streaks. Cultivated. Seed.
433572. 15/77. Minnesota. Heirloom type. Seeds white. Cultivated. Seed.
433573. 20/77. Minnesota. Heirloom type. Seeds light red with brown flecks and streaks. Cultivated. Seed.
433574. 21/77. Minnesota. Heirloom type. Seeds purple. Cultivated. Seed.
433575. 22/77. Minnesota. Heirloom type. Seeds light brown speckled with dark streaks. Cultivated. Seed.
433576. 23/77. Minnesota. Heirloom type. Seeds white with dark mottling. Cultivated. Seed.
433577. 24/77. Minnesota. Heirloom type. Seeds white with brown mottling around hilum. Cultivated. Seed.
433578. 27/77. Minnesota. Heirloom type. Seeds dark brown. Cultivated. Seed.
433579. 51/77. Minnesota. Heirloom type. Seeds white. Cultivated.

433561 TO 433627--continued
Seed.

- 433580. 52/77. Minnesota. Heirloom type. Seeds light yellow-green. Cultivated. Seed.
- 433581. 56/77. Minnesota. Heirloom type. Seeds black. Cultivated. Seed.
- 433582. 57/77. Minnesota. Heirloom type. Seeds white. Cultivated. Seed.
- 433583. 64/77. Minnesota. Heirloom type. Seeds red. Cultivated. Seed.
- 433584. 65/77. Minnesota. Heirloom type. Seeds white. Cultivated. Seed.
- 433585. 66/77. Minnesota. Heirloom type. Seeds buff with red streaks. Cultivated. Seed.
- 433586. 68/77. Minnesota. Heirloom type. Seeds round, light yellow-green. Cultivated. Seed.
- 433587. 71/77. Minnesota. Heirloom type. Seeds brown. Cultivated. Seed.
- 433588. 73/77. Minnesota. Heirloom type. Seeds buff with brown streaks. Cultivated. Seed.
- 433589. 74/77. Minnesota. Heirloom type. Seeds brown. Cultivated. Seed.
- 433590. 75/77. Minnesota. Heirloom type. Seeds white with brown mottling. Cultivated. Seed.
- 433591. 76/77. Minnesota. Heirloom type. Seeds buff with red flecks and streaks. Cultivated. Seed.
- 433592. 77/77. Minnesota. Heirloom type. Seeds light yellow-green. Cultivated. Seed.
- 433593. 78/77. Minnesota. Heirloom type. Seeds dark brown with buff flecks and streaks. Cultivated. Seed.
- 433594. 79/77. Minnesota. Heirloom type. Seeds dark brown with buff flecks and streaks. Cultivated. Seed.
- 433595. 81/77. Minnesota. Heirloom type. Seeds dark brown with buff mottling. Cultivated. Seed.
- 433596. 84/77. Minnesota. Heirloom type. Seeds white with brown mottling. Cultivated. Seed.

433561 TO 433627-continued

433597. 85/77. Minnesota. Heirloom type. Seeds buff. Cultivated. Seed.
433598. 86/77. Minnesota. Heirloom type. Seeds tan with red flecks and streaks. Cultivated. Seed.
433599. 87/77. Minnesota. Heirloom type. Seeds white. Cultivated. Seed.
433600. 90/77. Minnesota. Heirloom type. Seeds white with brown mottling. Cultivated. Seed.
433601. 96/77. Minnesota. Heirloom type. Seeds brown. Cultivated. Seed.
433602. 98/77. Minnesota. Heirloom type. Seeds white with brown mottling. Cultivated. Seed.
433603. 100/77. Minnesota. Heirloom type. Seeds brown mottled with streaks. Cultivated. Seed.
433604. 101/77. Minnesota. Heirloom type. Seeds white. Cultivated. Seed.
433605. 103/77. Minnesota. Heirloom type. Seeds dark red. Cultivated. Seed.
433606. 104/77. Minnesota. Heirloom type. Seeds tan. Cultivated. Seed.
433607. 105/77. Minnesota. Heirloom type. Seeds white with brown mottling. Cultivated. Seed.
433608. 106/77. Minnesota. Heirloom type. Seeds light red with brown streaks. Cultivated. Seed.
433609. 107/77. Minnesota. Heirloom type. Seeds white. Cultivated. Seed.
433610. 108/77. Minnesota. Heirloom type. Seeds white. Cultivated. Seed.
433611. 109/77. Minnesota. Heirloom type. Seeds light yellow-green. Cultivated. Seed.
433612. 110/77. Minnesota. Heirloom type. Seeds light yellow-green. Cultivated. Seed.
433613. 111/77. Minnesota. Heirloom type. Seeds white. Cultivated. Seed.
433614. 112/77. Minnesota. Heirloom type. Seeds brown.

433561 TO 433627-continued

Cultivated. Seed.

433615. 147/77. Minnesota. Heirloom type. Seeds solid red or buff with red streaks. Cultivated. Seed.
433616. 148/77. Minnesota. Heirloom type. Seeds red with white mottling. Cultivated. Seed.
433617. 157/77. Minnesota. Heirloom type. Seeds light yellow-green with dark hilum. Cultivated. Seed.
433618. 158/77. Minnesota. Heirloom type. Seeds white. Cultivated. Seed.
433619. 159/77. Minnesota. Heirloom type. Seeds brown. Cultivated. Seed.
433620. 160/77. Minnesota. Heirloom type. Seeds brown with dark streaks. Cultivated. Seed.
433621. 168/77. Minnesota. Heirloom type. Seeds white. Cultivated. Seed.
433622. 169/77. Minnesota. Heirloom type. Seeds white with brown hilum. Cultivated. Seed.
433623. 184/77. Minnesota. Heirloom type. Seeds purple. Cultivated. Seed.
433624. 246/77. Minnesota. Heirloom type. Seeds light yellow-green. Cultivated. Seed.
433625. 247/76. Minnesota. Heirloom type. Seeds tan with dark flecks and streaks. Cultivated. Seed.
433626. 248/76. Minnesota. Heirloom type. Seeds large, white. Cultivated. Seed.
433627. 249/76. Minnesota. Heirloom type. Seeds black with purple-lavender streaks. Cultivated. Seed.

433628. *Dolichos lablab* L. (Fabaceae) Hyacinth bean.

From The Bahamas. Donated by R. W. Taylor, Bahamas Agricultural Research, Training & Development Project, North Andros Island. Received June 1978.

Seed.

433629 TO 433632. *Allium cepa* L. (Amaryllidaceae) Onion.

From Japan. Donated by Takii & Company, LTD., Seed Growers and

433629 TO 433632-continued

Merchants, Kyoto.

Received May 1979.

433629. 'Hakushyu Giant'. Bunching type. Cultivated. Cultivar. Seed.

433630. 'Ishikura Long White'. Bunching type. Cultivated. Cultivar. Seed.

433631. 'Kincho Long White'. Bunching type. Cultivated. Cultivar. Seed.

433632. 'Tsukuba Long White'. Bunching type. Cultivated. Cultivar. Seed.

433633. Phaseolus polystachios (L.) B.S.P. (Fabaceae) Beanvine.

From Belgium. Donated by Le Marchand, Faculte Des Sciences Agronomiques De L'Etat, Gembloux.

Received December 1977.

N.I. 563. Received as *P. polystachyus*. Seed.

433634. Phaseolus sp. (Fabaceae).

From Belgium. Donated by Le Marchand, Faculte Des Sciences Agronomiques De L'Etat, Gembloux.

Received December 1977.

N.I. 402. Noted as similar to *P. polystachyus*. Seed.

433635. Haloxylon salicornicum (Moq.) Bunge ex Boiss. (Chenopodiaceae).

From Iraq. Donated by M. A. Clor, Agriculture Research Department, Ministry of Higher Education & Scientific Research, Jadrayah, Baghdad.

Received April 1978.

Collected December 1977. Western desert. Wild. Seed.

433636. Gossypium sp. (Malvaceae) Cotton.

From Thailand. Collected by R. Nelson, Chiang Mai.

Received May 1979.

Collected March 25, 1979. Village of Nam Khao, Mae Teng River, Om Koi District, Chiang Mai Province. Grown by Karen hill tribe for garment making. Insect resistant. Perennial woody. Cultivated. Seed.

433637 TO 433638. *Gossypium hirsutum* L. (Malvaceae) Upland cotton.

From France. Donated by J. B. Roux, Institut de Recherches du coton et des Textiles Exotiques, Paris.
Received June 1979.

433637. 'Reba B 50'. Paraguay. Coacupe. Commercially grown in Paraguay. Resistant to bacterial blight. Cultivated. Cultivar. Seed.

433638. 'Reba P 279'. Paraguay. Coacupe. Commercially grown in Paraguay. Resistant to bacterial blight. Cultivated. Cultivar. Seed.

433639. *Medicago sativa* L. (Fabaceae) Alfalfa.

From Hungary. Donated by S. Manninger, Agricultural Research Institute, Kompolt (Hevesi).
Received April 1979.

'Furez 521'. Resistant to *Fusarium* spp. and *Verticillium albo-atrum*. Good seed producer. Cultivated. Cultivar. Seed.

433640 TO 433719. *Zea mays* L. (Poaceae) Field corn.

From Italy. Donated by E. Ottaviano, Istituto di Genetica, Universita di Milano, Milano. Received through M. D. Jellum, Dept. of Agronomy, Univ. of Georgia, Experiment, Georgia.
Received May 1979.

433640. 1. Tortona. Ears long, conical. Local name Barbina Tortonese. Cultivated. Seed.

433641. 3. Asti. Ears 12-rowed. Local name Meliun - meligone barbina. Cultivated. Seed.

433642. 6. Saluzzo. Ancient type. Kernels floury. Local name Rostrato o dente di cane piemontese. Cultivated. Seed.

433643. 7. Saluzzo. Ears pine cone shaped. Local name Pignoletto. Cultivated. Seed.

433644. 9. Saluzzo. Local name Quarantino da secondo raccolto. Cultivated. Seed.

433645. 10. Novara. Ancient type. Kernels floury. Local name Dentino rostrato giallo. Cultivated. Seed.

433646. 11. Novara. Ears small. Local name Bergamasco. Cultivated. Seed.

433640 TO 433719-continued

433647. 12. Brescia. Shoepeg dent type. Local name Bani. Cultivated. Seed.
433648. 13. Como. Local name Cinquantino nostrano. Cultivated. Seed.
433649. 14. Milano. Mediterranean type. Local name unknown. Cultivated. Seed.
433650. 15. Milano. Local name Agostin. Cultivated. Seed.
433651. 16. Sondrio. Ears long. Kernels orange. Local name Nostrale di Madonna del Piano. Cultivated. Seed.
433652. 17. Belluno. Local name Nostrano di Zottier. Cultivated. Seed.
433653. 18. Padova. Kernels small. Local name Marano Vicentino. Cultivated. Seed.
433654. 19. Sondrio. Ears long. Kernels orange. Local name Nostrano dell' Isola di Este. Cultivated. Seed.
433655. 20. Padova. Shoepeg dent type. Local name Scagliolo frassine (conico). Cultivated. Seed.
433656. 22. Padova. White pearl type. Local name Bianco perla. Cultivated. Seed.
433657. 24. S. Dona Piave. Kernels small. Local name Marano Vicentino. Cultivated. Seed.
433658. 25. S. Dona Piave. Local name Cinquantino della Castellana. Cultivated. Seed.
433659. 26. Verona. Flint type. Ears conical. Local name Ostesa tipica. Cultivated. Seed.
433660. 27. Verona. Ears multi-rowed, early. Local name Ostesa. Cultivated. Seed.
433661. 28. Verona. Ears pine cone shape. Local name Pignolino nostrano. Cultivated. Seed.
433662. 29. Verona. Local name Cinquantino bianchi tipico di Cittadella. Cultivated. Seed.
433663. 30. Vicenza. Dent type. Local name Wisconsin locale - bianco. Cultivated. Seed.
433664. 31. Vicenza. White pearl type. Local name Bianco perla locale. Cultivated. Seed.

433640 TO 433719-continued

433665. 32. Vicenza. Local name Pignolo nostrano giallo. Cultivated. Seed.
433666. 33. Vicenza. Local name Bergamasco della montagna giallo. Cultivated. Seed.
433667. 34. Schio. Local name Scagliolo cinquantino giallo. Cultivated. Seed.
433668. 35. Schio. Local name Cinquantino nostrano giallo. Cultivated. Seed.
433669. 36. Schio. Local name Cinquantino di S. Fermo giallo. Cultivated. Seed.
433670. 37. Vicenza. Ears pine cone shape. Local name Denton. Cultivated. Seed.
433671. 38. Trento. Ears elliptical. Local name Bastardo. Cultivated. Seed.
433672. 39. Trento. Ears pine cone shape. Local name Colleoni. Cultivated. Seed.
433673. 40. Trento. Ears small. Local name Scagliolo marne. Cultivated. Seed.
433674. 41. Trento. Ears small, pine cone shape. Local name Marano vicentino. Similar to PI 200199. Cultivated. Seed.
433675. 42. Gorizia. Ancient type. Kernels white, floury. Local name Rostrato bianco. Cultivated. Seed.
433676. 43. Palmanova. Ears elliptical. Local name Giallo nostrano. Cultivated. Seed.
433677. 45. Latisana. Ears small. Local name Ibrido bianchi. Cultivated. Seed.
433678. 46. Latisana. Similar to Hickory King. Kernels large, white. Local name Righetta bianca ottofile. Cultivated. Seed.
433679. 47. Cividale Fr. Ancient type. Kernels white, floury. Local name Rostrato tardivo. Cultivated. Seed.
433680. 48. Udine. Ears elliptical. Local name Nostrano di Taipana. Cultivated. Seed.
433681. 49. S. Daniele. Ancient type. Kernels white, floury. Local name Rostrato per dentato. Cultivated. Seed.

433640 TO 433719--continued

433682. 50. Genova. Ears long, conical, 16-rowed. Local name Granoturco di S. Colombano. Cultivated. Seed.
433683. 51. La Spezia. Flint type. Ears conical. Local name Granoturco maggengo. Cultivated. Seed.
433684. 53. Forli. Ears small. Local name Spinato. Cultivated. Seed.
433685. 54. Piacenza. Ears multi-rowed, early. Local name Nano precoce. Cultivated. Seed.
433686. 56. Cuneo. Flint type. Ears conical. Local name Nostrale di Anghiari. Cultivated. Seed.
433687. 58. Grosseto. Pollo derivative. Local name Tre nodi. Cultivated. Seed.
433688. 59. Grosseto. Southern type. Ears cylindrical. Local name Tre nodi di Follonica. Cultivated. Seed.
433689. 60. Lucca. Ears conical. Kernels small. Local name Ignota varieta rossa. Cultivated. Seed.
433690. 61. Lucca. Ears conical. Kernels small. Local name Ignota varieta gialla. Cultivated. Seed.
433691. 62. Pistoia. Ears 8-rowed, very early. Local name Maggese. Cultivated. Seed.
433692. 63. Pistoia. Southern type. Ears cylindrical. Local name Giallone locale. Cultivated. Seed.
433693. 64. Pistoia. Natel derivative. Local name Maggese. Cultivated. Seed.
433694. 65. Pistoia. Natel derivative. Local name Nostrale locale di Mulinaccio. Cultivated. Seed.
433695. 66. Ancona. Ears long, conical. Local name Nostrale di Jesi. Cultivated. Seed.
433696. 68. Macerata. Ears 8-rowed. Local name Quarantino di Cingoli. Cultivated. Seed.
433697. 70. Pesaro. Local name Ideale. Cultivated. Seed.
433698. 71. Latina. Mediterranean type. Ears 8-rowed. Local name Quarantino di Fondi. Cultivated. Seed.
433699. 75. Latina. Ears conical. Local name Zeppetello di Castelforte. Cultivated. Seed.

433640 TO 433719-continued

433700. 76. Rieti. Mediterranean type. Ears 8-rowed. Local name Nostrale di Borgocollevegato. Cultivated. Seed.
433701. 79. Rieti. Ears conical. Kernels small. Local name Agostino o agostinello. Cultivated. Seed.
433702. 80. Sulmona. Ears 8-rowed, very early. Local name Locale di Pratola Peligna. Cultivated. Seed.
433703. 81. Sulmona. Mediterranean type. Ears 8-rowed. Local name Locale di Bagnara. Cultivated. Seed.
433704. 83. Pescara. Ears long, conical, 16-rowed. Local name Sedici file. Cultivated. Seed.
433705. 84. Teramo. Ears 8-rowed. Local name Nostrana granturchella. Cultivated. Seed.
433706. 85. Teramo. Ears 8-rowed, small. Local name Trentinella. Cultivated. Seed.
433707. 88. Benevento. Ears long, conical. Local name Rosso locale. Cultivated. Seed.
433708. 89. Benevento. Ears 8-rowed, small. Local name Quarantino chiaro. Cultivated. Seed.
433709. 90. Benevento. Southern type. Kernels white. Local name Bianco locale. Cultivated. Seed.
433710. 91. Caserta. Ears 8-rowed, very early. Local name Primitivo. Cultivated. Seed.
433711. 92. Caserta. Pollo derivative. Local name Locale de Pantano. Cultivated. Seed.
433712. 93. Foggia. Southern type. Ears cylindrical. Local name Nostrano agostinello. Cultivated. Seed.
433713. 94. Lagonegro. Ears 8-rowed, small. Local name Quarantino di Lauria. Cultivated. Seed.
433714. 95. Lagonegro. Ears 8-rowed, small. Local name Trecchinese. Cultivated. Seed.
433715. 96. Brienza. Ears long, conical. Local name Giallo tardivo. Cultivated. Seed.
433716. 101. Messina. Mediterranean type. Ears 8-rowed. Local name Quarantino di Francavilla. Cultivated. Seed.
433717. 102. Vittorio V. White pearl type. Local name Bianco

433640 TO 433719—continued

perla. Cultivated. Seed.

433718. 103. Treviso. Local name Cinquantino giallo precoce. Cultivated. Seed.

433719. 107. Ancona. Local name Locale quarantino di vigne. Cultivated. Seed.

433720 TO 433728. Deschampsia caespitosa (L.) Beauv. (Poaceae) Tufted hairgrass.

From Italy. Donated by E. Sgaravatti, Seed Exchange Service, Plant Production and Protection Division, FAO, Rome. Received July 1978.

433720. 46.584. Germany, Federal Rep of. Wuppertal. Botanischer Garten der Stadt Wuppertal. Seed.

433721. 46.756. Germany, Federal Rep of. Bremen. Botanischer Garten. Seed.

433722. 46.919. Soviet Union. Moscow. Hortus Botanicus Universitatis Mosquensis. Seed.

433723. 47.752. German Democratic Repub. Halle. Botanischer Garten, Martin-Luther-Universität. Seed.

433724. 47.753. German Democratic Repub. Halle. Botanischer Garten, Martin-Luther-Universität. Seed.

433725. 47.754. German Democratic Repub. Halle. Botanischer Garten, Martin-Luther-Universität. Seed.

433726. 47.755. German Democratic Repub. Halle. Botanischer Garten, Martin-Luther-Universität. Seed.

433727. 47.756. German Democratic Repub. Halle. Botanischer Garten, Martin-Luther-Universität. Seed.

433728. 47.757. German Democratic Repub. Halle. Botanischer Garten, Martin-Luther-Universität. Seed.

433729 TO 433730. Molinia caerulea (L.) Moench (Poaceae).

From Italy. Donated by E. Sgaravatti, Seed Exchange Service, Plant Production and Protection Division, FAO, Rome. Received July 1978.

433729. 46.578. Italy. Firenze. Orto Botanico dell'Univ. Giardino dei Semplici. Seed.

433729 TO 433730—continued

433730. 46.921. Soviet Union. Riga. Hortus Botanicus, Univ.,
Latviensis, Latvia, RSS. Seed.

433731 TO 433737. *Gossypium hirsutum* L. (Malvaceae) Upland cotton.

From France. Donated by J. B. Roux, Institut de Recherches du
Coton et des Textiles Exotiques, Paris.

Received June 1979.

433731. Shan mienne. China, Peoples Repub of. China 1 0/5.
Increased 1978-79 in Guadeloupe. Cultivated. Seed.

433732. Kang bin chong mienne soua. China, Peoples Repub of.
China 3 0/5. Increased 1978-79 in Guadeloupe. Noted as
resistant to diseases. Cultivated. Seed.

433733. Chong mienne soua. China, Peoples Repub of. China 7 0/5.
Increased 1978-79 in Guadeloupe. Cultivated. Seed.

433734. China, Peoples Repub of. China 401. Increased 1978-79 in
Guadeloupe. Cultivated. Seed.

433735. Kiangsu cotton. China, Peoples Repub of. Increased 1978-
79 in Guadeloupe. Cultivated. Seed.

433736. Lou mienne 204. China, Peoples Repub of. Increased 1978-
79 in Guadeloupe. Developed from 'Deltapine 15'.
Cultivated. Seed.

433737. Shu tcho. China, Peoples Repub of. Increased 1978-79 in
Guadeloupe. Cultivated. Seed.

433738. *Gossypium barbadense* L. (Malvaceae) Sea-island cotton.

From France. Donated by J. B. Roux, Institut de Recherches du
Coton et des Textiles Exotiques, Paris.

Received June 1979.

China, Peoples Repub of. China 10. Increased 1978-79 in
Guadeloupe. Developed from 'Menoufi'. Cultivated. Seed.

433739. *Rhus coriaria* L. (Anacardiaceae) Sicilian sumac.

From Cyprus. Donated by M. Ch. Iacovides, Department of Forests,
Ministry of Agriculture and Natural Resources, Nicosia.

Received June 1979.

Perennial woody. Seed.

433740. *Carya cathayensis* Sargent (Juglandaceae) Cathay hickory.

From China, Peoples Repub of. Donated by Shou Shan Wan, Arboretum of the Chinese Academy of Forestry, Peking.
Received June 1979.

17. Lat. 30 deg. 30' N, Long. 120 deg. 30' E. 200m. Tree.
Wild. Seed.

433741. *Liriodendron chinense* (Hemsl.) Sarg. (Magnoliaceae).

From China, Peoples Repub of. Donated by Shou Shan Wan, Arboretum of the Chinese Academy of Forestry, Peking.
Received June 1979.

68. Lat. 29 deg. 35' N, Long. 116 deg. E. 1164m. Tree.
Wild. Seed.

433742. *Metasequoia glyptostroboides* Hu & Cheng (Taxodiaceae) Dawn redwood.

From China, Peoples Repub of. Donated by Shou Shan Wan, Arboretum of the Chinese Academy of Forestry, Peking.
Received June 1979.

78. Lat. 30 deg. 30' N, Long. 109 deg. E. 1000m. Tree.
Wild. Seed.

433743. *Picea asperata* Masters (Pinaceae).

From China, Peoples Repub of. Donated by Shou Shan Wan, Arboretum of the Chinese Academy of Forestry, Peking.
Received June 1979.

Lat. 31 deg. N, Long. 102 deg. 22' E. 2367m. Tree. Wild.
Seed.

433744. *Pinus densata* Masters (Pinaceae).

From China, Peoples Repub of. Donated by Shou Shan Wan, Arboretum of the Chinese Academy of Forestry, Peking.
Received June 1979.

Tree. Wild. Seed.

433745. *Pinus hwangshanensis* Hsia (Pinaceae).

From China, Peoples Repub of. Donated by Shou Shan Wan, Arboretum of the Chinese Academy of Forestry, Peking.

433745-continued

Received June 1979.

100. Lat. 29 deg. 30' N, Long. 116 deg. E. 1164m. Tree.
Wild. Seed.

433746. *Pinus sylvestris* L. (Pinaceae) Scotch pine.

From China, Peoples Repub of. Donated by Shou Shan Wan, Arboretum
of the Chinese Academy of Forestry, Peking.

Received June 1979.

104. Lat. 49 deg. 13' N, Long. 119 deg. 45' E. 1000m.
Received as variety *mongolica* Lilv. Tree. Wild. Seed.

433747. *Sassafras tzumu* (Hemsl.) Hemsl. (Lauraceae).

From China, Peoples Repub of. Donated by Shou Shan Wan, Arboretum
of the Chinese Academy of Forestry, Peking.

Received June 1979.

121. Lat. 30 deg. 30' N, Long. 120 deg. 30' E. 200m.
Tree. Wild. Seed.

433748. *Tsuga chinensis* (Franch) Pritzl ex Diels (Pinaceae).

From China, Peoples Repub of. Donated by Shou Shan Wan, Arboretum
of the Chinese Academy of Forestry, Peking.

Received June 1979.

128. Lat. 31 deg. 20' N, Long. 103 deg. E. 1300m. Tree.
Wild. Seed.

433749 TO 433765. *Triticum durum* Desf. (Poaceae) Durum wheat.

From Mexico. Donated by International Maize and Wheat Improvement
Center, Mexico 6, D. F.

433749. 'Amal 72'. Tunisia. D-24102-10Y-3M-100Y-OM. Cultivated.
Cultivar. Seed.

433750. A 8242-9p-1p-5p-1p-OA. Qfn x Y Fn(2). Cold tolerant.
Cultivated. Breeding material. Seed.

433751. 'Badri'. Cultivated. Cultivar. Seed.

433752. 'Cambridge 06'. Cold tolerant. Cultivated. Cultivar.
Seed.

433753. 'Cambridge 010'. Cold tolerant. Cultivated. Cultivar.

433749 TO 433765--continued
Seed.

433754. 'Chapala 67'. Cultivated. Cultivar. Seed.
433755. C2-26E-1E-1E-2E-OE-OS. Ids-fata Sel. 185/1. Cold tolerant. Cultivated. Breeding material. Seed.
433756. 'Inrat 69'. Cultivated. Cultivar. Seed.
433757. 'Lambro'. Cold tolerant. Cultivated. Cultivar. Seed.
433758. 'Maghrebi 72'. Cultivated. Cultivar. Seed.
433759. 'Mat. de Chile 06'. Cold tolerant. Cultivated. Cultivar. Seed.
433760. 'Mexicali 75'. Cultivated. Cultivar. Seed.
433761. OVI 65-Cp. Cold tolerant. Cultivated. Breeding material. Seed.
433762. 'Tehuacan 60'. Cultivated. Cultivar. Seed.
433763. 'Tito'. Cold tolerant. Cultivated. Cultivar. Seed.
433764. T3847-18T-1V-1P. Bidi 17(2) x Cfn-Land Wary/Lan. Cold tolerant. Cultivated. Breeding material. Seed.
433765. T3847-18T-2V-1P. Bidi 17(2) x Cfn-Land Wary/Lan. Cold tolerant. Cultivated. Breeding material. Seed.

433766 TO 433770. *Triticum aestivum* L. (Poaceae) Common wheat.

From Mexico. Donated by International Maize and Wheat Improvement Center, Mexico 6, D. F.
Received June 1978.

433766. Jauhara 76. Cultivated. Seed.
433767. Pima 77. Cultivated. Seed.
433768. Tezopaco 76. Cultivated. Seed.
433769. Torim 73. Cultivated. Seed.
433770. Zaragoza 75. Cultivated. Seed.

433771. *Hordeum vulgare* L. (Poaceae) Barley.

From Denmark. Donated by Hans Doll, Danish Atomic Energy Commission, Roskilde.

433771-continued

Received June 1979.

'Bomi'. Grown commercially in Denmark. Cultivated.
Cultivar. Seed.

433772. *Hordeum vulgare* L. (Poaceae) Barley.

From Canada. Donated by E. Reinbergs, Department of Crop Science,
University of Guelph, Guelph, Ontario.
Received June 1979.

'Perth'. Six-rowed spring type. Resembles Keystone in
appearance. Developed by the Ontario Cereal Project Group.
Resistant to lodging. Kernels large. Aleurone yellow.
Yield high. Resistant to prevalent races of stem rust,
mildew, and loose smut but susceptible to leaf rust.
Cultivated. Cultivar. Seed.

433773. *Oryza sativa* L. (Poaceae) Rice.

From Venezuela. Collected by R. L. Cheaney, Hialeah, Florida.
Received June 1979.

Cica 9. Colombia. Centro Internacional de Agricultura
Tropical, Cali. Cultivated. Seed.

433774 TO 433775. *Oryza sativa* L. (Poaceae) Rice.

From Philippines. Donated by International Rice Research
Institute, Manila.
Received June 1979.

433774. IRRI 6012. SLO 17. Cultivated. Seed.

433775. IRRI 9457. Pratao Tipo Guedes. Cultivated. Seed.

433776 TO 433790. *Oryza sativa* L. (Poaceae) Upland rice.

From Philippines. Donated by International Rice Research
Institute, Manila.
Received June 1979.

433776. IRRI 23717. Daw Pao. Cultivated. Seed.

433777. IRRI 26011. Dourado Precoce. Cultivated. Seed.

433778. IRRI 636. Dular. Cultivated. Seed.

433779. IRRI 19642. IAC 25. Cultivated. Seed.

433776 TO 433790-continued

- 433780. IR 5983-13-1-2. FT 3-316. Cultivated. Seed.
- 433781. IR 6012-14-2-1. FT 3-317. Cultivated. Seed.
- 433782. IR 6163-6-1. FT 3-318. Cultivated. Seed.
- 433783. IR 6217-3-2. FT 3-319. Cultivated. Seed.
- 433784. IR 7790-18-1-2. FT 3-326. Cultivated. Seed.
- 433785. IRR I 23372. Khao Chao Hay. Cultivated. Seed.
- 433786. IRR I 28480. Kwang-lu-ai 4. Cultivated. Seed.
- 433787. IRR I 19919. Ligerito (short pubescence). Cultivated. Seed.
- 433788. IRR I 23770. Plah Sew. Cultivated. Seed.
- 433789. IRR I 7697. Rikuto Norin 21. Cultivated. Seed.
- 433790. IRR I 14415. Seratus Malam. Cultivated. Seed.

433791 TO 433828. Oryza sativa L. (Poaceae) Upland rice.

From Nigeria. Donated by International Institute of Tropical Agriculture, Ibadan.
Received June 1979.

- 433791. SL 22-603. Sierra Leone. Cultivated. Seed.
- 433792. SL 22-604. Sierra Leone. Cultivated. Seed.
- 433793. SL 22-605. Sierra Leone. Cultivated. Seed.
- 433794. SL 22-609. Sierra Leone. Cultivated. Seed.
- 433795. SL22-610. Sierra Leone. Cultivated. Seed.
- 433796. SL 22-611. Sierra Leone. Cultivated. Seed.
- 433797. SL 22-613. Sierra Leone. Cultivated. Seed.
- 433798. SL 22-614. Sierra Leone. Cultivated. Seed.
- 433799. SL 22-620. Sierra Leone. Cultivated. Seed.
- 433800. SL 22-621. Sierra Leone. Cultivated. Seed.
- 433801. SL 22-627. Sierra Leone. Cultivated. Seed.

433791 TO 433828-continued

433802. SL 22-629. Sierra Leone. Cultivated. Seed.
433803. SL 22-632. Sierra Leone. Cultivated. Seed.
433804. SL 22-633. Sierra Leone. Cultivated. Seed.
433805. SL 22-634. Sierra Leone. Cultivated. Seed.
433806. SL 22-636. Sierra Leone. Cultivated. Seed.
433807. SL 22-637. Sierra Leone. Cultivated. Seed.
433808. SL 22-642. Sierra Leone. Cultivated. Seed.
433809. SL 21-643. Sierra Leone. Cultivated. Seed.
433810. SL 21-644. Sierra Leone. Cultivated. Seed.
433811. SL 21-645. Sierra Leone. Cultivated. Seed.
433812. SL 21-646. Sierra Leone. Cultivated. Seed.
433813. SL 35-665. Sierra Leone. Cultivated. Seed.
433814. SL 35-666. Sierra Leone. Cultivated. Seed.
433815. SL 35-670. Sierra Leone. Cultivated. Seed.
433816. SL 35-674. Sierra Leone. Cultivated. Seed.
433817. SL 31-689. Sierra Leone. Cultivated. Seed.
433818. SL 31-693. Sierra Leone. Cultivated. Seed.
433819. SL 31-704. Sierra Leone. Cultivated. Seed.
433820. SL 31-706. Sierra Leone. Cultivated. Seed.
433821. SL 31-707. Sierra Leone. Cultivated. Seed.
433822. SL 31-708. Sierra Leone. Cultivated. Seed.
433823. SL 31-709. Sierra Leone. Cultivated. Seed.
433824. SL 31-711. Sierra Leone. Cultivated. Seed.
433825. SL 31-712. Sierra Leone. Cultivated. Seed.
433826. SL 31-714. Sierra Leone. Cultivated. Seed.
433827. SL 31-715. Sierra Leone. Cultivated. Seed.

433791 TO 433828-continued

433828. SL 31-726. Sierra Leone. Cultivated. Seed.

433829 TO 433858. *Oryza sativa* L. (Poaceae) Rice.

From Nigeria. Donated by International Institute of Tropical
Agriculture, Ibadan.

Received June 1979.

433829. Adny 2. Cultivated. Seed.

433830. Adny 5. Cultivated. Seed.

433831. Adny 8. Cultivated. Seed.

433832. Adny 11. Cultivated. Seed.

433833. Aus 8. Cultivated. Seed.

433834. Besewar. Cultivated. Seed.

433835. Brengut. Cultivated. Seed.

433836. C 22. Cultivated. Seed.

433837. Columbia 1. Cultivated. Seed.

433838. Columbia 2. Cultivated. Seed.

433839. Columbia 3. Cultivated. Seed.

433840. CP 4. Cultivated. Seed.

433841. IAC 25. Cultivated. Seed.

433842. IB 34. Cultivated. Seed.

433843. IB 94. Cultivated. Seed.

433844. IB 95. Cultivated. Seed.

433845. IB 96. Cultivated. Seed.

433846. IB 97. Cultivated. Seed.

433847. IB 98. Cultivated. Seed.

433848. IB 101. Cultivated. Seed.

433849. Iguape Cateto. Cultivated. Seed.

433850. IM 16. Cultivated. Seed.

433829 TO 433858-continued

- 433851. Improved Mahsuri. Cultivated. Seed.
- 433852. IRAT 8. Cultivated. Seed.
- 433853. IRAT 10. Cultivated. Seed.
- 433854. IRAT 13. Cultivated. Seed.
- 433855. M 4. Cultivated. Seed.
- 433856. M 55. Cultivated. Seed.
- 433857. Mange 2. Cultivated. Seed.
- 433858. Ngovie. Cultivated. Seed.

433859 TO 433861. *Triticum aestivum* L. (Poaceae) Common wheat.

From China, Peoples Repub of. Donated by Jifang Mei, Academy of Agricultural Sciences of Jiangsu Province, Mei Chi Fang, Nanking. Received March 1979.

- 433859. Chu 7317. Selected from cross of Italian dwarf st 2422/464 X A fu. Soft, white winter type. Maturity late. Plants 80-90 cm. Highly resistant to stem and leaf rust, low resistance to mildew. Cultivated. Seed.
- 433860. Chu Meh no. 3. Selected from application of Cobalt 60 to st 1472/506. Spring type. Lodging resistant. Maturity mid to late. Sensitive to high temperatures. Moderate resistance to leaf rust and powdery mildew, low resistance to downy mildew. Cultivated. Seed.
- 433861. Chu Meh no. 4. Selected from Yunnan 525 x Anhwei no. 11. From Kuangsu Agricultural College, Food Research. Soft white, early spring type. Cultivated. Seed.

433862. *Helianthus annuus* L. (Asteraceae) Sunflower.

From Yugoslavia. Donated by Institut za Ratarstvo i Povrtarstvo, Novi Sad. Received June 1979.

Giza. Cultivated. Seed.

433863 TO 433897. *Sesamum indicum* L. (Pedaliaceae) Sesame.

From Nigeria. Donated by H. R. Chheda, University of Ibadan, Ibadan. Received through International Institute of Tropical

433863 TO 433897-continued
Agriculture, Ibadan, Nigeria.
Received June 1979.

433863. 1. Collected November 1978. From Filin Girgi, Bin Yauri, Sokoto State. Cultivated. Seed.
433864. 2. Collected November 1978. From Filin Girgi, Bin Yauri, Sokoto State. Cultivated. Seed.
433865. 3. Collected November 1978. From Filin Girgi, Bin Yauri, Sokoto State. Cultivated. Seed.
433866. 4. Collected November 1978. From Filin Girgi, Bin Yauri, Sokoto State. Cultivated. Seed.
433867. 5. Collected November 1978. From Filin Girgi, Bin Yauri, Sokoto State. Cultivated. Seed.
433868. 6. Collected November 1978. From Filin Girgi, Bin Yauri, Sokoto State. Cultivated. Seed.
433869. 7. Collected November 1978. From Kimo, Yauri Local Government, Sokoto State. Cultivated. Seed.
433870. 8. Collected November 1978. From Kimo, Yauri Local Government, Sokoto State. Cultivated. Seed.
433871. 9. Collected November 1978. From Kimo, Yauri Local Government, Sokoto State. Cultivated. Seed.
433872. 10. Collected November 1978. From Kimo, Yauri Local Government, Sokoto State. Cultivated. Seed.
433873. 11. Collected November 1978. From Kimo, Yauri Local Government, Sokoto State. Cultivated. Seed.
433874. 12. Collected November 1978. From Kimo, Yauri Local Government, Sokoto State. Cultivated. Seed.
433875. 13. Collected November 1978. From Kimo, Yauri Local Government, Sokoto State. Cultivated. Seed.
433876. 14. Collected November 1978. From Kimo, Yauri Local Government, Sokoto State. Cultivated. Seed.
433877. 15. Collected November 1978. From Kimo, Yauri Local Government, Sokoto State. Cultivated. Seed.
433878. 16. Collected November 1978. From Kimo, Yauri Local Government, Sokoto State. Cultivated. Seed.
433879. 17. Collected November 1978. From Kimo, Yauri Local Government, Sokoto State. Cultivated. Seed.

433863 TO 433897-continued

433880. 18. Collected November 1978. From Yelwa, Yauri Local Government, Sokoto State. Cultivated. Seed.
433881. 19. Collected November 1978. From Yelwa, Yauri Local Government, Sokoto State. Cultivated. Seed.
433882. 20. Collected November 1978. From Yelwa, Yauri Local Government, Sokoto State. Cultivated. Seed.
433883. 21. Collected November 1978. From Yelwa, Yauri Local Government, Sokoto State. Cultivated. Seed.
433884. 22. Nigeria. Expt. Range Farm, Kainji Lake Res. Inst. Yauri. Cross No. 3. Collected November 1978. Cultivated. Seed.
433885. 23. Nigeria. Expt. Range Farm, Kainji Lake Res. Inst., Yauri. E8. Collected November 1978. Cultivated. Seed.
433886. 24. Nigeria. Expt. Range Farm, Kainji Lake Res. Inst., Yauri. 65A-36. Collected November 1978. Cultivated. Seed.
433887. 25. Nigeria. Expt. Range Farm, Kainji Lake Res. Inst., Yauri. 67A-113. Collected November 1978. Cultivated. Seed.
433888. 26. Nigeria. Expt. Range Farm, Kainji Lake Res. Inst., Yauri. 65A-125. Collected November 1978. Cultivated. Seed.
433889. 27. Nigeria. Expt. Range Farm, Kainji Lake Res. Inst., Yauri. 65B-61. Collected November 1978. Cultivated. Seed.
433890. 28. Nigeria. Expt. Range Farm, Kainji Lake Res. Inst., Yauri. x30/115. Collected November 1978. Cultivated. Seed.
433891. 29. Nigeria. Expt. Range Farm, Kainji Lake Res. Inst., Yauri. Pb Til No. 1. Collected November 1978. Cultivated. Seed.
433892. 30. Nigeria. Expt. Range Farm, Kainji Lake Res. Inst., Yauri. Chandra 3. Collected November 1978. Cultivated. Seed.
433893. 31. Nigeria. Expt. Range Farm, Kainji Lake Res. Inst., Yauri. Yandev 55. Collected November 1978. Cultivated. Seed.
433894. 32. Nigeria. Expt. Range Farm, Kainji Lake Res. Inst., Yauri. Yandev 55. Collected November 1978. Cultivated. Seed.
433895. 33. Collected November 1978. From Yelwa, Yauri Local Government, Sokoto State. Cultivated. Seed.

433863 TO 433897-continued

433896. 34. Collected November 1978. From Kimo, Yauri Local Government, Sokoto State. Cultivated. Seed.

433897. 35. Nigeria. Expt. Range Farm, Kainji Lake Res. Inst., Yauri. Bin Yauri. Collected November 1978. Cultivated. Seed.

433898. *Fragaria X ananassa* Duch. (Rosaceae) Garden strawberry.

From Japan. Donated by F. Honda, Vegetable and Ornamental Crop Research Station, Kurame Experiment Station, Mii-machi, Kurame Fukuoka.

Received July 1979.

'Harunoka'. Cultivated. Cultivar. Plants.

433899 TO 433922. *Oryza sativa* L. (Poaceae) Upland rice.

From Liberia. Donated by West Africa Rice Development Association (WARDA), Monrovia.

Received July 1979.

433899. WARDA 252. IRAT 103. Cultivated. Seed.

433900. WARDA 253. IRAT 104. Cultivated. Seed.

433901. WARDA 254. IRAT 105. Cultivated. Seed.

433902. WARDA 255. Cultivated. Seed.

433903. WARDA 256. IRAT 107. Cultivated. Seed.

433904. WARDA 257. IRAT 108. Cultivated. Seed.

433905. WARDA 258. IRAT 110. Cultivated. Seed.

433906. WARDA 259. IRAT 111. Cultivated. Seed.

433907. WARDA 260. IRAT 112. Cultivated. Seed.

433908. WARDA 261. IRAT 113. Cultivated. Seed.

433909. WARDA 262. IRAT 114. Cultivated. Seed.

433910. WARDA 263. IRAT 115. Cultivated. Seed.

433911. WARDA 264. IRAT 116. Cultivated. Seed.

433912. WARDA 265. IRAT 117. Cultivated. Seed.

433899 TO 433922-continued

- 433913. WARDA 266. IRAT 132. Cultivated. Seed.
- 433914. WARDA 267. IRAT 133. Cultivated. Seed.
- 433915. WARDA 268. IRAT 134. Cultivated. Seed.
- 433916. WARDA 269. IRAT 136. Cultivated. Seed.
- 433917. WARDA 270. IRAT 137. Cultivated. Seed.
- 433918. WARDA 271. IRAT 138. Cultivated. Seed.
- 433919. WARDA 272. IRAT 139. Cultivated. Seed.
- 433920. WARDA 273. IRAT 140. Cultivated. Seed.
- 433921. WARDA 274. IRAT 141. Cultivated. Seed.
- 433922. WARDA 275. IRAT 142. Cultivated. Seed.

433923. *Lotus corniculatus* L. (Fabaceae) Birdsfoot trefoil.

From Uruguay. Donated by Estacion Experimental La Estanzuela, Colonia. Received through Centro De Investigaciones Agricolas, Montevideo.
Received July 1979.

'San Gabriel'. See PI 244036 from Brazil. Cultivated.
Cultivar. Seed.

433924 TO 433925. *Lens culinaris* Medik. (Fabaceae) Lentil.

From Ecuador. Donated by O. W. Norvell, Stanford University, Palo Alto, California.
Received April 1979.

433924. E8441. Ecuador. Seeds dark streaked. Local name Lenteja.
Cultivated. Seed.

433925. E8443. Ecuador. Seeds dark streaked. Local name Lenteja.
Cultivated. Seed.

433926. *Phaseolus coccineus* L. (Fabaceae) Scarlet runner bean.

From Bolivia. Collected by O. W. Norvell, Stanford University, Palo Alto, California.
Received April 1979.

B7806-16-12. Bolivia. Seeds white. Local name Poroto

433926-continued

Blanco Grande. Cultivated. Seed.

433927. *Phaseolus coccineus* L. (Fabaceae) Scarlet runner bean.

From United States. Collected by O. W. Norvell, Stanford University, Palo Alto, California.
Received April 1979.

M7-451-10-7. Maui, Hawaii. Seeds black. Cultivated. Seed.

433928. *Phaseolus lunatus* L. (Fabaceae) Lima bean.

From Mexico. Collected by M. J. Lukefahr, USDA Cotton Production Research Laboratory, Weslaco, Texas.
Received April 1979.

San Luis Potosi. Short day plants. Seeds black.
Cultivated. Seed.

433929. *Vigna unguiculata* (L.) Walp. subsp. *unguiculata* (Fabaceae) Southern pea.

From United States. Donated by P. F. Knowles, Department of Agronomy and Range Science, University of California, Davis, California.
Received April 1979.

Pakistan. Seeds brown. Contaminant in *Phaseolus vulgaris*, PI 250166 (K518), from bazaar, Peshawar. Seed.

433930. *Citrus* hybrid (Rutaceae).

From Soviet Union. Donated by N. I. Vavilov Institute of Plant Industry, Leningrad.
Received February 1979.

From Sukhum Experiment Station (Gul'ripah). Chimera of *Poncirus trifoliata* (L.) Raf. x *Citrus reticulata* Blanco cv. 'Satsuma'. Tree. Cultivated. Breeding material.
Budwood.

433931 TO 433932. *Citrus reticulata* Blanco (Rutaceae) Mandarin.

From China, Peoples Repub of. Donated by Yin-min Ye, Citrus Research Institute, Academy of Agricultural Sciences of China, Chungking, Szechwan.
Received December 1978.

433931 TO 433932-continued

433931. Cultivated. Seed.

433932. Received as *C. tangerina*. Cultivated. Seed.

433933. *Citrus sinensis* (L.) Osb. (Rutaceae) Sweet orange.

From China, Peoples Repub of. Donated by Yin-min Ye, Citrus Research Institute, Academy of Agricultural Sciences of China, Chungking, Szechwan.
Received December 1978.

Cultivated. Seed.

433934. *Fortunella crassifolia* Swingle (Rutaceae).

From China, Peoples Repub of. Donated by Yin-min Ye, Citrus Research Institute, Academy of Agricultural Sciences of China, Chungking, Szechwan.
Received December 1978.

Cultivated. Seed.

433935. *Avicennia germinans* (L.) L. (Avicenniaceae) Black mangrove.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-4684. Jefferson Parish, Louisiana. Perennial woody.
Wild. Seed.

433936. *Belamcanda chinensis* (L.) DC. (Iridaceae) Blackberry-lily.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-2237. Yalobusha Co., Mississippi. Collected by J.H. Adams. Perennial herb. Cultivated. Landrace. Plants.

433937. *Berberis julianae* C. Schneid. (Berberidaceae) Wintergreen barberry.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture,

433937-continued

Coffeeville, Mississippi.
Received March 1979.

MS-2117. Perennial woody. Wild. Seed.

433938 TO 433940. *Borrichia frutescens* (L.) DC. (Asteraceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

433938. MS-4528. Hancock Co., Mississippi. 9.9m. Collected by K.
Blan. Perennial woody. Wild. Plants.

433939. MS-4547. Cameron Parish, Louisiana. .3m. Collected by K.
Blan. Perennial woody. Wild. Plants.

433940. MS-4582. Jackson Co., Mississippi. .6m. Collected by K.
Blan and D. Sanders. Perennial woody. Wild. Plants.

433941. *Bothriochloa barbinodis* (Lag.) Herter (Poaceae) Cane bluestem.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4560. PMT-333. Culberson Co., Texas. Perennial herb.
Cultivated. Landrace. Seed.

433942. *Bothriochloa intermedia* (R. Br.) A. Camus (Poaceae) Australian
bluestem.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-2912. PMT-1062. From Oklahoma State University.
Perennial herb. Cultivated. Landrace. Seed.

433943 TO 433944. *Bothriochloa ischaemum* (L.) Keng (Poaceae) Yellow
bluestem.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

433943 TO 433944-continued

433943. MS-3520. Oklahoma. Perennial herb. Wild. Seed.

433944. MS-4257. PMT-2646. From Oklahoma State University.
Perennial herb. Cultivated. Seed.

433945 TO 433946. *Bouteloua curtipendula* (Michx.) Torr. (Poaceae) Side-
oats grama.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

433945. MS-4559. PMT-328. Van Horn, Texas. Perennial herb.
Cultivated. Landrace. Seed.

433946. MS-4562. PMT-470. Perennial herb. Cultivated. Landrace.
Seed.

433947. *Bouteloua hirsuta* Lag. (Poaceae) Hairy grama.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4563. PMT-700. Released in 1976 by the Soil
Conservation Service, Montana Agricultural Experiment
Station and the Wyoming Agricultural Experiment Station.
Perennial herb. Cultivated. Landrace. Seed.

433948. *Brachypodium pinnatum* (L.) Beauv. (Poaceae) Japanese false
brome grass.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-3335. Perennial herb. Wild. Seed.

433949. *Calamovilfa longifolia* (Hook.) Scribn. (Poaceae) Prairie
sandreed.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

433948-continued

MS-4401. 'Goshen'. Released in 1976 by the Soil Conservation Service, Montana Agricultural Experiment Station and the Wyoming Agricultural Experiment Station. Perennial herb. Cultivated. Cultivar. Seed.

433950 TO 433951. *Callicarpa americana* L. (Verbenaceae) American beautyberry.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

433950. MS-2933. Arkansas. Perennial woody. Wild. Seed.

433951. MS-4598. AM-3089. Sumter Co., Georgia. 137m. Collected by J. D. Powell. Perennial woody. Wild. Seed.

433952. *Campsis radicans* (L.) Seem. ex Bur. (Bignoniaceae) Trumpet-creeper.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-4599. AM-3221. Crisp Co., Georgia. Collected by J. D. Powell. Perennial woody. Wild. Seed.

433953 TO 433955. *Carex kobomugi* Ohwi (Cyperaceae).

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

433953. MS-4436. NJ-406. Island Beach State Park, New Jersey. Perennial herb. Wild. Plants.

433954. MS-4439. NJ-1570. Perennial herb. Wild. Plants.

433955. MS-4440. NJ-1629. Perennial herb. Wild. Plants.

433956 TO 433957. *Carex* sp. (Cyperaceae).

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.

433956 TO 433957-continued
Received March 1979.

433956. MS-4171. Dewey, Oklahoma. Collected by C. J. Hunter.
Perennial herb. Wild. Seed.

433957. MS-4496. Oregon. Collected by K. Blan. Perennial herb.
Wild. Seed.

433958. *Carya tomentosa* (Poir.) Nutt. (Juglandaceae) Mockernut hickory.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-3915. Yalobusha Co., Mississippi. Collected by W. A.
Suber. Tree. Wild. Seed.

433959 TO 433962. *Castanea dentata* (Marsh.) Borkh. (Fagaceae) American
chestnut.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

433959. MS-2167. Henry Co., Tennessee. Collected by Dr. Ireland.
Tree. Wild. Seed.

433960. MS-3837. DeKalb Co., Georgia. Collected by B. Huff. Tree.
Wild. Seed.

433961. MS-3979. Iowa. Blight resistant. Tree. Wild. Plants.

433962. MS-4516. Winn Parish, Louisiana. Collected by K. Blan.
Tree. Wild. Seed.

433963 TO 433968. *Castanea mollissima* Blume (Fagaceae) Chinese
chestnut.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

433963. MS-1. Adams Co., Mississippi. Tree. Cultivated. Landrace.
Seed.

433964. MS-20. AM-1575. Tree. Cultivated. Landrace. Seed.

433963 TO 433968-continued

433965. MS-22. AM-1573. Tree. Cultivated. Landrace. Seed.
433966. MS-23. AM-1576. Tree. Cultivated. Landrace. Seed.
433967. MS-24. AM-1572. Tree. Cultivated. Landrace. Seed.
433968. MS-3506. AM-2529. Tree. Cultivated. Landrace. Seed.

433969 TO 433970. *Castanea* sp. (Fagaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

433969. MS-4. Louisiana. Tree. Wild. Seed.
433970. MS-4533. Winn Parish, Louisiana. Collected by M. M.
McDonald. Tree. Wild. Seed.

433971. *Celtis laevigata* Willd. (Ulmaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

- MS-4540. Hinds Co., Mississippi. Collected by K. Blan.
Tree. Wild. Seed.

433972. *Chasmanthium latifolium* (Michx.) Yates (Poaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

- MS-4360. Boone Co., Arkansas. Collected by K. Blan.
Perennial herb. Wild. Seed.

433973. *Coreopsis* sp. (Asteraceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

- MS-2378. AM-2606. Yalobusha Co., Mississippi. Collected

433973-continued

by J. H. Adams. Perennial herb. Wild. Seed.

433974 TO 433975. *Cornus drummondii* C. A. Mey. (Cornaceae) Roughleaf dogwood.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

433974. MS-4152. Louisiana. Collected by L. Holdman. Perennial woody. Wild. Seed.

433975. MS-4158. Rapides Parish, Louisiana. Collected by C. Thompson. Perennial woody. Wild. Seed.

433976. *Cornus florida* L. (Cornaceae) Flowering dogwood.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-2572. Collected by R. B. Thornton. Perennial woody. Wild. Seed.

433977. *Cornus mas* L. (Cornaceae) Cornelian-cherry.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-2573. BN-14626. Perennial woody. Cultivated. Landrace. Seed.

433978. *Cornus officinalis* Sieb. & Zucc. (Cornaceae) Japanese cornel dogwood.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-2574. BN-14627. Perennial woody. Cultivated. Landrace. Seed.

433979 TO 433981. *Cornus stolonifera* Michx. (Cornaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

433979. MS-3801. 'Flaviramea'. NA-17047. Received from the U. S.
National Arboretum. Perennial woody. Cultivated. Cultivar.
Seed.

433980. MS-4379. Jackson Parish, Louisiana. Collected by P. B.
Calvin, Jr. Perennial woody. Wild. Seed.

433981. MS-4416. Jackson Parish, Louisiana. Collected by P. B.
Calvin, Jr. Perennial woody. Wild. Seed.

433982. *Coronilla varia* L. (Fabaceae) Crownvetch.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-328. Seed from commercial source. Perennial herb.
Wild. Seed.

433983. *Corylus americana* Marsh. (Betulaceae) American hazel.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-138. Tate Co., Mississippi. Collected by Sullivan.
Perennial woody. Wild. Seed.

433984. *Corylus* sp. (Betulaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-337. Collected by Ahlrich. Perennial woody. Wild.
Seed.

433985. *Cotoneaster zabelii* C. Schneid. (Rosaceae).

From United States. Held by Coffeeville Plant Materials Center,

433985-continued

Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4377. Lincoln Parish, Louisiana. Collected by P. B.
Calvin, Jr. Perennial woody. Cultivated. Landrace. Seed.

433986 TO 433987. *Crataegus aestivalis* (Walt.) Torr. & Gray (Rosaceae)
Hawthorn.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

433986. MS-3981. Acadia Parish, Louisiana. Collected by B. Craft.
Perennial woody. Wild. Seed.

433987. MS-3982. Calcasieu Parish, Louisiana. Collected by F. J.
Ezernack. Perennial woody. Wild. Seed.

433988 TO 433991. *Crataegus* sp. (Rosaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

433988. MS-2460. AM-2302. White Co., Arkansas. Collected by M.
Bird. Perennial woody. Wild. Seed.

433989. MS-4013. Arkansas. Collected by H. Stephens. Perennial
woody. Wild. Seed.

433990. MS-4119. From commercial source. Perennial woody. Wild.
Seed.

433991. MS-4413. Louisiana. Collected by C. Thompson. Perennial
woody. Wild. Seed.

433992 TO 433993. *Cryptomeria japonica* (L. f.) D. Don (Pinaceae)
Common cryptomeria.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

433992. MS-4151. Louisiana. Collected by Lee Holdman. Tree. Wild.
Seed.

433992 TO 433993-continued

433993. MS-4412. Rapides Parish, Louisiana. Collected by C. Thompson. Tree. Wild. Seed.

433994. *Cunninghamia lanceolata* (Lamb.) Hook. (Pinaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

MS-1848. North Carolina. Tree. Wild. Plants.

433995 TO 434004. *Cynodon dactylon* (L.) Pers. (Poaceae) Bermudagrass.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

433995. MS-3615. 'Santa Ana'. Received from the University of California. Released in 1966 by the California Agricultural Experiment Station. Perennial herb. Cultivated. Cultivar. Stolons.

433996. MS-3855. Marion Co., Arkansas. Collected by W. Ferguson. Perennial herb. Wild. Stolons.

433997. MS-3994. NK-37. FC-35810. Selected at Phoenix, Arizona by Northrup King & Company. Seed distributed for testing in 1957 & 1958. Perennial herb. Cultivated. Primitive cultivar. Stolons.

433998. MS-4004. Hot Springs Co., Arkansas. Collected by D. Dace. Perennial herb. Wild. Stolons.

433999. MS-4250. Boone Co., Arkansas. Collected by A. Heirman. Perennial herb. Wild. Stolons.

434000. MS-4396. Saline Co., Arkansas. Collected by A. Davis and W. Ferguson. Perennial herb. Wild. Stolons.

434001. MS-4419. Payne Co., Oklahoma. From Oklahoma State University. SS-16 x SS-21, Syn-1. Perennial herb. Cultivated. Primitive cultivar. Stolons.

434002. MS-4420. Payne Co., Oklahoma. From Oklahoma State University. Guymon x 9951, Syn-1. Perennial herb. Cultivated. Primitive cultivar. Stolons.

434003. MS-4485. Payne Co., Oklahoma. From Oklahoma State

433995 TO 434004-continued

University. 71-X-6-7. Perennial herb. Cultivated.
Primitive cultivar. Stolons.

434004. MS-4690. Izard Co., Arkansas. 198m. Collected by K. Craft. Perennial herb. Wild. Stolons.

434005 TO 434006. Cyperus sp. (Cyperaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

434005. MS-4161. St. Clair Co., Alabama. Collected by H. Haynsworth. Perennial herb. Wild. Plants.

434006. MS-4169. Arkansas. Collected by K. Blan. Perennial herb. Wild. Plants.

434007 TO 434008. Cytisus scoparius (L.) Link (Fabaceae) Scotch broom.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

434007. MS-4153. From F. W. Schumacher Seed Co. Perennial woody. Cultivated. Landrace. Seed.

434008. MS-4154. Germany, Federal Rep of. Farmstadt. Collected by C. Appel. Perennial woody. Wild. Seed.

434009. Cytisus sp. (Fabaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U. S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4378. Lincoln Parish, Louisiana. Collected by P. B. Calvin, Jr. Perennial woody. Wild. Seed.

434010. Dactylis glomerata L. (Poaceae) Orchardgrass.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U. S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4006. Missouri. Collected by Webster. Perennial herb.
Wild. Seed.

434011. *Desmanthus illinoensis* (Michx.) MacMill. (Fabaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4497. PMT-2851. Galveston Co., Texas. Collected
September 1971 by J. Neaville. Perennial herb. Cultivated.
Landrace. Seed.

434012. *Desmodium perplexum* Schubert (Fabaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-159. Clanton. AM-100. Received from the Thorsby,
Alabama Nursery. Perennial herb. Cultivated. Primitive
cultivar. Seed.

**434013 TO 434019. *Distichlis spicata* (L.) Greene (Poaceae) Seashore
saltgrass.**

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

434013. MS-4426. Jackson Co., Mississippi. Collected by K. Blan.
Perennial herb. Wild. Plants.

434014. MS-4508. Calcasieu Parish, Louisiana. Perennial herb.
Wild. Plants.

434015. MS-4524. Hancock Co., Mississippi. 3.3m. Collected by K.
Blan. Perennial herb. Wild. Plants.

434016. MS-4531. Jackson Co., Mississippi. Perennial herb. Wild.
Plants.

434017. MS-4546. Lafourche Parish, Louisiana. .30m. Collected by
K. Blan. Perennial herb. Wild. Plants.

434018. MS-4581. Jackson Co., Mississippi. .6m. Collected by K.
Blan and D. Sanders. Perennial herb. Wild. Plants.

434019. MS-4678. Jackson Co., Mississippi. Collected by K. Blan.
Perennial herb. Wild. Plants.

434020 TO 434026. *Distichlis stricta* (Torr.) Rydb. (Poaceae) Desert saltgrass.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

434020. MS-4431. PMT-893. Perennial herb. Wild. Plants.

434021. MS-4444. NM-1100. Logan Co., Colorado. Collected March 1972 by the Soil Conservation Service. Perennial herb. Wild. Plants.

434022. MS-4445. NM-1105. Kiowa Co., Colorado. Collected March 1972 by the Soil Conservation Service. Perennial herb. Wild. Plants.

434023. MS-4446. NM-1113. Pueblo Co., Colorado. Collected in March 1972. Perennial herb. Wild. Plants.

434024. MS-4447. NM-1114. Pueblo Co., Colorado. Collected in March 1972 by R. Delzell at Minnequa Lake near Pueblo. Perennial herb. Wild. Plants.

434025. MS-4451. Kay Co., Oklahoma. Collected by D. Ankle. Perennial herb. Wild. Plants.

434026. MS-4495. Utah. Collected by K. Blan. Perennial herb. Wild. Plants.

434027. *Echinochloa crusgalli* (L.) Beauv. (Poaceae) Barnyardgrass.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi 38922.
Received March 1979.

MS-3540. Union Co., Mississippi. Collected by E. Norwood. Annual. Cultivated. Seed.

434028. *Echinochloa crusgalli* var. *frumentacea* (Link) W. F. Wight (Poaceae) Billion dollar grass.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-181. 'Chiwapa'. Released in 1965 by the Soil Conservation Service and the Mississippi Agricultural and Forestry Experiment Station. Annual. Cultivated. Cultivar.

434028-continued
Seed.

434029. *Elaeagnus angustifolia* L. (Elaeagnaceae) Russian olive.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4545. 'King-Red'. Afghanistan. Collected in 1957 by A.
C. Hildreth, USDA-ARS, Cheyenne Horticultural Field
Station. Released in 1978 by the Soil Conservation
Service in cooperation with the New Mexico State Highway
Department, the New Mexico Agricultural Experiment
Station, and the Colorado Agricultural Experiment Station.
Perennial woody. Cultivated. Cultivar. Seed.

434030 TO 434032. *Elaeagnus multiflora* Thunb. (Elaeagnaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434030. MS-2231. Oconee Co., Georgia. Collected by H. J.
Haynsworth. Perennial woody. Wild. Seed.

434031. MS-4374. Jackson Parish, Louisiana. Collected by K. Blan.
Perennial woody. Wild. Seed.

434032. MS-4460. Clark Co., Arkansas. Collected by K. Blan.
Perennial woody. Wild. Seed.

434033 TO 434036. *Elaeagnus umbellata* Thunb. (Elaeagnaceae) Autumn
elaeagnus.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434033. MS-429. Bridgeton, New Jersey. Perennial woody. Wild.
Seed.

434034. MS-430. Eridgeton, New Jersey. Perennial woody. Wild.
Seed.

434035. MS-1723. Roanoke Valley, Virginia. Perennial woody. Wild.
Seed.

434033 TO 434036-continued

434036. MS-4387. Boone Co., Arkansas. Collected by A. Heirman.
Perennial woody. Wild. Seed.

434037. *Elymus salinus* Jones (Poaceae) Wildrye grass.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4484. C-28. Received from Los Lunas, New Mexico Plant
Materials Center. Perennial herb. Wild. Seed.

434038 TO 434041. *Elymus triticoides* Buckl. (Poaceae) Beardless
wildrye.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

434038. MS-4463. P-2741. Perennial herb. Wild. Seed.

434039. MS-4464. C-77. Perennial herb. Wild. Seed.

434040. MS-4465. P-15594. Perennial herb. Wild. Seed.

434041. MS-4492. Wyoming. Collected by K. Blan. Perennial herb.
Wild. Seed.

434042. *Enkianthus campanulatus* (Miquel) Nicholson (Ericaceae) Redvein
enkianthus.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4457. BN-23197. Perennial woody. Wild. Plants.

434043. *Eremochloa ophiuroides* (Munro) Hack. (Poaceae) Centipede grass.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-2575. 'Oklawn'. Released in 1965 by the Oklahoma

434043-continued

Agricultural Experiment Station. Perennial herb.
Cultivated. Cultivar. Stolons.

434044. *Euonymus* sp. (Celastraceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4117. Yalobusha Co., Mississippi. Collected by J. H.
Adams. Perennial woody. Wild. Plants.

434045 TO 434051. *Festuca arundinacea* Schreb. (Poaceae) Tall fescue.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

434045. MS-1601. 'Kentucky 31'. Released by the Kentucky
Agricultural Experiment Station. Perennial herb.
Cultivated. Cultivar. Seed.

434046. MS-4007. Perennial herb. Wild. Seed.

434047. MS-4008. Andersonville #2. Sumter Co., Georgia.
Collected at Andersonville National Cemetery. Perennial
herb. Cultivated. Landrace. Seed.

434048. MS-4009. Perennial herb. Wild. Seed.

434049. MS-4010. Perennial herb. Wild. Seed.

434050. MS-4011. Perennial herb. Wild. Seed.

434051. MS-4515. 'Kenhy'. KY-1914. Perennial herb. Cultivated.
Cultivar. Seed.

434052. *Forestiera acuminata* (Michx.) Poir. (Oleaceae) Swamp privet.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4372. Rapides Parish, Louisiana. Collected by C.
Thompson. Perennial woody. Wild. Seed.

434053. *Genista tinctoria* L. (Fabaceae) Dyer's-greenweed.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4376. Jackson Parish, Louisiana. Collected by P. B.
Calvin, Jr. Perennial woody. Wild. Seed.

434054. *Glyceria striata* (Lam.) Hitchc. (Poaceae) Fowl mannagrass.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4359. Boone Co., Arkansas. Collected by K. Blan.
Perennial herb. Wild. Plants.

434055. *Glycine soja* Sieb. & Zucc. (Fabaceae) Wild soybean.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-374. Annual. Wild. Seed.

434056. *Halimodendron halodendron* (Pall.) Voss (Fabaceae) Salt-tree.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4462. WY-549. Perennial woody. Wild. Plants.

434057. *Hedera helix* L. (Araliaceae) English ivy.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS4094. Yalobusha Co., Mississippi. Collected by J. H.
Adams. Perennial woody. Cultivated. Landrace. Plants.

434058 TO 434060. *Helianthus annuus* L. (Asteraceae) Sunflower.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434058. MS-4414. Noble Co., Oklahoma. Collected by K. Blan.
Annual. Wild. Seed.

434059. MS-4486. Madison Parish, Louisiana. Collected by K. Blan.
Annual. Wild. Seed.

434060. MS4691. Tensas Parish, Louisiana. Collected by K. Blan.
Annual. Wild. Seed.

**434061 TO 434063. *Helianthus maximiliani* Schrad. (Asteraceae)
Maximilian's sunflower.**

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434061. MS-2210. PMT-852. Colorado City, Texas. Perennial herb.
Cultivated. Landrace. Seed.

434062. MS-2211. PMT-853. Hamilton, Texas. Perennial herb.
Cultivated. Landrace. Seed.

434063. MS4574. FMT-3656. Perry, Oklahoma. Collected by D. Ankle.
Perennial herb. Cultivated. Landrace. Seed.

434064 TO 434066. *Helianthus mollis* Lam. (Asteraceae) Ashy sunflower.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434064. MS-3373. PMK-1410. Perennial herb. Wild. Seed.

434065. MS-4572. PMT-3643. Perry, Oklahoma. Collected by D.
Ankle. Perennial herb. Wild. Seed.

434066. MS-4573. PMT-3654. Perry, Oklahoma. Collected by D.
Ankle. Perennial herb. Wild. Seed.

**434067. *Helianthus salicifolius* A. Dietr. (Asteraceae) Willow-leaved
sunflower.**

From United States. Held by Coffeeville Plant Materials Center,

434067-continued

Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4541. Oklahoma. Collected by D. Ankle. Perennial herb.
Wild. Seed.

**434068 TO 434069. Helianthus tuberosus L. (Asteraceae) Jerusalem
artichoke.**

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434068. MS-4427. PMT-3827. Perennial herb. Cultivated. Landrace.
Rhizomes.

434069. MS-4435. Pulaski Co., Arkansas. Perennial herb. Wild.
Rhizomes.

434070. Hibiscus sp. (Malvaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-3266. Mississippi. Collected by H. H. Leard.
Perennial herb. Wild. Seed.

434071. Holcus lanatus L. (Poaceae) Velvetgrass.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-3852. Annual. Wild. Seed.

434072 TO 434074. Hordeum vulgare L. (Poaceae) Barley.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434072. MS-4595. 'Will'. Annual. Cultivated. Cultivar. Seed.

434072 TO 434074-continued

434073. MS-4596. 'Post'. Annual. Cultivated. Cultivar. Seed.

434074. MS-4597. 'Kerr'. Annual. Cultivated. Cultivar. Seed.

434075 TO 434077. *Imperata cylindrica* (L.) Beauv. (Poaceae) Cogongrass.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

434075. MS-4134. George Co., Mississippi. Collected by T. A. Bown. Perennial herb. Cultivated. Landrace. Rhizomes.

434076. MS-4253. Jackson Co., Mississippi. Collected by K. Blan and Grigsby. Perennial herb. Cultivated. Landrace. Rhizomes.

434077. MS-4424. Jackson Co., Mississippi. Collected by K. Blan. Perennial herb. Cultivated. Landrace. Rhizomes.

434078. *Juglans nigra* L. (Juglandaceae) Black walnut.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4017. Arkansas. Collected by T. A. Brown. Tree. Wild. Plants.

434079 TO 434080. *Juncus* sp. (Juncaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

434079. MS-4162. Macon Co., Alabama. Collected by C. Cook. Perennial herb. Wild. Plants.

434080. MS-4255. Hancock Co., Mississippi. Collected by K. Blan and Grigsby. Perennial herb. Wild. Plants.

434081. *Juniperus chinensis* L. (Cupressaceae) Chinese juniper.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,

434081-continued

Coffeerville, Mississippi.
Received March 1979.

MS-3945. 'Mas'. NA-1429-C. From U. S. National Arboretum.
Tree. Cultivated. Cultivar. Plants.

434082. *Juniperus ashei* Buchholz (Cupressaceae) Juniper.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-3611. BN-20388. Perennial woody. Wild. Plants.

434083. *Juniperus horizontalis* Moench (Cupressaceae) Creeping juniper.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-3947. 'Wiltonii'. BN-19310. Perennial woody.
Cultivated. Cultivar. Plants.

434084. *Juniperus squamata* Buch.-Ham. ex Lamb. (Cupressaceae) Juniper.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-3948. 'Prostrata'. NA-17490. Perennial woody.
Cultivated. Cultivar. Plants.

**434085 TO 434087. *Juniperus virginiana* L. (Cupressaceae) Eastern red-
cedar.**

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

434085. MS-4167. Marshall Co., Mississippi. Collected by E. D.
Taylor. Tree. Wild. Plants.

434086. MS-4390. Lee Co., Mississippi. Collected by H.
Huffstatler. Tree. Wild. Plants.

434085 TO 434087-continued

434087. MS-4391. Lee Co., Mississippi. Collected by H. Huffstatler. Tree. Wild. Plants.

434088. *Lathyrus sylvestris* L. (Fabaceae) Flat pea.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

MS-4434. 'Lathco'. Lewis Co., Washington. Released in 1972 by the Soil Conservation Service, the Pennsylvania Agricultural Experiment Station, and the Cornell University Agricultural Experiment Station. Perennial herb. Cultivated. Cultivar. Seed.

434089. *Lathyrus* sp. (Fabaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

MS-4491. Oregon. Collected by K. Blan. Perennial herb. Wild. Seed.

434090 TO 434092. *Lespedeza bicolor* Turcz. (Fabaceae) Shrub bushclover.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

434090. MS-4092. Thorsby Improved. Perennial herb. Cultivated. Primitive cultivar. Seed.

434091. MS-4113. 'Natob'. BN-2279. Released by the Soil Conservation Service. Perennial herb. Cultivated. Cultivar. Seed.

434092. MS-4594. Montgomery Co., Alabama. Commercial seed. Perennial herb. Cultivated. Primitive cultivar. Seed.

434093. *Lespedeza capitata* Michx. (Fabaceae) Roundhead lespedeza.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.

434093-continued

Received March 1979.

MS-4354. PMK-1523. Kansas. Perennial herb. Wild. Seed.

434094 TO 434095. *Lespedeza cuneata* (Dum.) G. Don (Fabaceae) *Sericea lespedeza*.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.

Received March 1979.

434094. MS-3914. North Carolina. Collected by W. Cope. Perennial herb. Wild. Seed.

434095. MS-4710. Perennial herb. Wild. Seed.

434096. *Lespedeza daurica* (Laxm.) Schindler (Fabaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.

Received March 1979.

MS-4593. MI-5668. Boone Co., Missouri. Seed from University of Missouri. Perennial herb. Cultivated. Landrace. Seed.

434097. *Washingtonia robusta* H. Wendl. (Arecaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.

Received March 1979.

MS-2923. Perennial herb. Wild. Seed.

434098. *Lespedeza thunbergii* (DC.) Nakai (Fabaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.

Received March 1979.

MS-3964. AM-167. Perennial herb. Cultivated. Landrace. Seed.

434099. *Lespedeza* sp. (Fabaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4395. Boone Co., Arkansas. Collected by A. Heirman.
Perennial herb. Wild. Seed.

434100. *Lonicera japonica* Thunb. (Caprifoliaceae) Japanese honeysuckle.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4093. Yalobusha Co., Mississippi. Collected by J. H.
Adams. Perennial woody. Wild. Plants.

**434101. *Lonicera maackii* var. *podocarpa* Franch. ex Rehder
(Caprifoliaceae) Late honeysuckle.**

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-2161. BN-8318. Perennial woody. Cultivated. Primitive
cultivar. Plants.

434102 TO 434104. *Lonicera* sp. (Caprifoliaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

434102. MS-2461. Logan Co., Arkansas. Collected by M. Byrd.
Perennial woody. Wild. Seed.

434103. MS-4104. Concordia Parish, Louisiana. Collected by T. J.
Smith and Mrs. U. B. Evans. Perennial woody. Wild. Seed.

434104. MS-4120. Pontotoc Co., Mississippi. Perennial woody.
Wild. Plants.

434105. *Lotus corniculatus* L. (Fabaceae) Birdsfoot trefoil.

From United States. Held by Coffeerville Plant Materials Center,

434105-continued

Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4543. Seed from Commercial Source. Perennial herb.
Cultivated. Primitive cultivar. Seed.

**434106 TO 434108. *Malus angustifolia* (Ait.) Michx. (Rosaceae) Southern
crabapple.**

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434106. MS-3996. Greene Co., Mississippi. Collected by T. A.
Bown. Perennial woody. Wild. Seed.

434107. MS-4000. Leake Co., Mississippi. Collected by B. Craft.
Perennial woody. Wild. Seed.

434108. MS-4012. Craighead Co., Arkansas. Collected by T. A.
Bown. Perennial woody. Wild. Seed.

434109. *Malus sargentii* Rehder (Rosaceae) Sargent crabapple.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-3504. NA-3317-S. From U. S. National Arboretum.
Perennial woody. Cultivated. Landrace. Seed.

434110 TO 434137. *Malus* sp. (Rosaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434110. MS-385. Collected by L. A. Wilkens. Perennial woody.
Wild. Seed.

434111. MS-4118. From Commercial Source. Perennial woody.
Cultivated. Landrace. Seed.

434112. MS-4215. AM-3179. Stewart Co., Georgia. Collected by F.
M. Blackburn. Perennial woody. Wild. Seed.

434110 TO 434137-continued

434113. MS-4216. AM-3183. Screven Co., Georgia. Collected by J. H. Smith. Perennial woody. Wild. Seed.
434114. MS-4217. AM-3184. Thomas Co., Georgia. Collected by J. Eubanks. Perennial woody. Wild. Seed.
434115. MS-4218. AM-3185. Troup Co., Georgia. Collected by P. P. Patton. Perennial woody. Wild. Seed.
434116. MS-4219. AM-3186. Greene Co., Georgia. Collected by R. S. Porter. Perennial woody. Wild. Seed.
434117. MS-4220. AM-3189. Grady Co., Georgia. Collected by E. T. Mullis. Perennial woody. Wild. Seed.
434118. MS-4221. AM-3190. Baldwin Co., Georgia. Collected by D. McMillan. Perennial woody. Wild. Seed.
434119. MS-4222. AM-3191. Volusia Co., Georgia. Collected by J. Howe. Perennial woody. Wild. Seed.
434120. MS-4223. AM-3192. Calhoun Co., Georgia. Collected by W. W. Neely. Perennial woody. Wild. Seed.
434121. MS-4224. AM-3194. Floyd Co., Georgia. Collected by B. C. Tomlinson. Perennial woody. Wild. Seed.
434122. MS-4225. AM-3196. White Co., Georgia. Collected by M. F. Gary. Perennial woody. Wild. Seed.
434123. MS-4226. AM-3197. Taylor Co., Florida. Collected by O. L. Cason, Jr. Perennial woody. Wild. Seed.
434124. MS-4227. AM-3198. Liberty Co., Georgia. Collected by R. L. Wilkes. Perennial woody. Wild. Seed.
434125. MS-4228. AM-3199. Liberty Co., Georgia. Collected by R. L. Wilkes. Perennial woody. Wild. Seed.
434126. MS-4229. AM-3201. Rabun Co., Georgia. Collected by J. C. Taff. Perennial woody. Wild. Seed.
434127. MS-4230. AM-3210. Buncombe Co., North Carolina. Perennial woody. Wild. Seed.
434128. MS-4231. AM-3211. Macon Co., North Carolina. Perennial woody. Wild. Seed.
434129. MS-4232. AM-3214. Mitchell Co., North Carolina. Perennial woody. Wild. Seed.
434130. MS-4233. AM-3213. Haywood Co., North Carolina. Perennial

434110 TO 434137-continued

woody. Wild. Seed.

434131. MS-4234. AM-3217. Buncombe Co., North Carolina.
Perennial woody. Wild. Seed.

434132. MS-4235. AM-3218. Buncombe Co., North Carolina.
Perennial woody. Wild. Seed.

434133. MS-4236. AM-3220. Mitchell Co., North Carolina.
Perennial woody. Wild. Seed.

434134. MS-4237. AM-3232. Chambers Co., Alabama. Collected by K.
M. Cookson. Perennial woody. Wild. Seed.

434135. MS-4238. AM-3054. South Carolina. Collected by M. K.
Burgess. Perennial woody. Wild. Seed.

434136. MS-4259. Warren Co., Tennessee. From Commercial Source.
Perennial woody. Cultivated. Landrace. Seed.

434137. MS-4432. Missouri. Perennial woody. Wild. Seed.

434138. *Medicago lupulina* L. (Fabaceae) Black medic.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4601. Perennial herb. Wild. Seed.

434139 TO 434140. *Mimosa strigillosa* Torr. & Gray (Fabaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434139. MS-4052. PMT-2874. Anahuac, Texas. Collected by J.
Neaville and K. Sparks. Perennial herb. Wild. Seed.

434140. MS-4053. PMT-3067. Crockett, Texas. Collected by J.
McKay. Perennial herb. Wild. Seed.

434141 TO 434142. *Miscanthus sinensis* Anderss. (Poaceae) Miscanthus.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434141 TO 434142--continued

434141. MS-2158. Bienville Parish, Louisiana. Collected by M. Byrd. Perennial herb. Wild. Rhizomes.

434142. MS-2159. Bienville Parish, Louisiana. Collected by M. Byrd. Perennial herb. Wild. Rhizomes.

434143 TO 434149. *Myrica cerifera* L. (Myricaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.

Received March 1979.

434143. MS-3921. NJ-1485. Hatteras Isle, North Carolina. Collected November 1971 by K. Graetz. Perennial woody. Wild. Seed.

434144. MS-4023. Collected by R. Thomas. Perennial woody. Wild. Seed.

434145. MS-4024. Harrison Co., Mississippi. Collected by R. Thomas. Perennial woody. Wild. Seed.

434146. MS-4025. Harrison Co., Mississippi. Collected by R. Thomas. Perennial woody. Wild. Seed.

434147. MS-4026. Harrison Co., Mississippi. Collected by R. Thomas. Perennial woody. Wild. Seed.

434148. MS-4183. F-6751. Perennial woody. Wild. Seed.

434149. MS-4184. F-6762. Perennial woody. Wild. Seed.

434150 TO 434160. *Myrica pensylvanica* Loisel. (Myricaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.

Received March 1979.

434150. MS-3918. NJ-1481. North Carolina. Collected October 1971 by K. Graetz. Perennial woody. Wild. Seed.

434151. MS-3919. NJ-1483. Bayberry Buff, North Carolina. Collected November 1971 by K. Graetz. Perennial woody. Wild. Seed.

434152. MS-3920. NJ-1484. Rodanthe, North Carolina. Collected November 1971 by K. Graetz. Perennial woody. Wild. Seed.

434150 TO 434160-continued

434153. MS-3922. NJ-1486. Hatteras Isle, North Carolina. Collected November 1971 by K. Graetz. Perennial woody. Wild. Seed.
434154. MS-3923. NJ-1487. Hatteras Isle, North Carolina. Collected November 1971 by K. Graetz. Perennial woody. Wild. Seed.
434155. MS-3924. NJ-1488. Bodie Isle, North Carolina. Collected November 1971 by K. Graetz. Perennial woody. Wild. Seed.
434156. MS-3925. NJ-1489. Kill Devil Hills, North Carolina. Collected November 1971 by K. Graetz. Perennial woody. Wild. Seed.
434157. MS-3926. NJ-1490. Kill Devil Pier, North Carolina. Collected November 1971 by K. Graetz. Perennial woody. Wild. Seed.
434158. MS-3927. NJ-1491. Hatteras Isle, North Carolina. Collected November 1971 by K. Graetz. Perennial woody. Wild. Seed.
434159. MS-3928. NJ-1108. Cape May Co., New Jersey. Seed collected in marshlands at Swainton, New Jersey. Perennial woody. Wild. Seed.
434160. MS-3962. NC-73-7. Perennial woody. Wild. Seed.

434161 TO 434162. *Nyssa ogeche* Bartram ex Marsh. (Nyssaceae) Ogeechee lime tupelo.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi. Received March 1978.

434161. MS-3987. Martin Co., Florida. Collected by G. Boring. Perennial woody. Wild. Seed.
434162. MS-4101. AM-2943. Brunswick, Georgia. Perennial woody. Wild. Seed.

434163. *Panicum amarum* var. *amarulum* (Hitchc. & Chase) P. G. Palmer (Poaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi. Received March 1979.

434163-continued

MS-2191. F-4766. North Carolina. Collected by Young and K. Graetz. Perennial herb. Wild. Seed.

434164 TO 434167. *Panicum anceps* Michx. (Poaceae) Panicgrass.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

434164. MS-4385. Boone Co., Arkansas. Collected by A. Heirman. Perennial herb. Wild. Seed.

434165. MS-4513. Yalobusha Co., Mississippi. Collected by B. B. Billingsley, Jr. Perennial herb. Wild. Seed.

434166. MS-4711. PMT-3629. Perry, Oklahoma. Collected by D. Ankle. Perennial herb. Wild. Seed.

434167. MS-4712. PMT-3644. Fairview, Oklahoma. Collected by D. Ankle. Perennial herb. Wild. Seed.

434168. *Panicum antidotale* Retz. (Poaceae) Blue panicgrass.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-4586. Perennial herb. Wild. Seed.

434169. *Panicum gouinii* Fourn. (Poaceae).

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-3999. Stone Co., Mississippi. Collected by T. A. Bown. Perennial herb. Wild. Plants.

434170 TO 434175. *Panicum hemitomom* Schult. (Poaceae) Maidencane.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

434170 TO 434175-continued

- 434170.** MS-525. Nassau Co., Florida. Collected by W. C. Young. Perennial herb. Wild. Rhizomes.
- 434171.** MS-2138. 'Halifax'. Collected near Halifax, NC. Released in 1974 by the Soil Conservation Service and the Mississippi Agricultural and Forestry Experiment Station. Perennial herb. Cultivated. Cultivar. Rhizomes.
- 434172.** MS-3971. Perennial herb. Wild. Rhizomes.
- 434173.** MS-3973. Perennial herb. Wild. Rhizomes.
- 434174.** MS99. Perennial herb. Wild. Rhizomes.
- 434175.** MS-4164. Chambers Co., Alabama. Collected by L. D. Williams. Perennial herb. Wild. Rhizomes.

434176 TO 434178. *Panicum obtusum* H.B.K. (Poaceae) Vine mesquitegrass.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

- 434176.** MS-4558. PMT-327. Perennial herb. Wild. Stolons.
- 434177.** MS-4571. PMT-3534. Junction, Texas. Collected by J. Voulgaris. Perennial herb. Wild. Stolons.
- 434178.** MS-4648. PMT-11711. Cochise Co., Arizona. Perennial herb. Wild. Stolons.

434179 TO 434180. *Panicum repens* L. (Poaceae) Torpedograss.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

- 434179.** MS-4254. Harrison Co., Mississippi. Collected by K. Blan and Grigsby. Perennial herb. Wild. Rhizomes.
- 434180.** MS-4551. Lafourche Parish, Louisiana. Collected by K. Blan. Perennial herb. Wild. Rhizomes.

434181 TO 434186. *Panicum virgatum* L. (Poaceae) Switchgrass.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture,

434181 TO 434186-continued
Coffeerville, Mississippi.
Received March 1979.

434181. MS-4020. Independence Co., Arkansas. Collected by W. Lytle. Perennial herb. Wild. Seed.

434182. MS-4241. PMT-279. Wilson Co., Texas. Perennial herb. Wild. Seed.

434183. MS-4411. Madison Co., Mississippi. Collected by K. Blan. Perennial herb. Wild. Seed.

434184. MS-4425. Jackson Co., Mississippi. Collected by K. Blan. Perennial herb. Wild. Seed.

434185. MS-4527. Jackson Co., Mississippi. Collected by K. Blan. Perennial herb. Wild. Seed.

434186. MS-4695. PMT-2266. Dade Co., Florida. Perennial herb. Wild. Seed.

434187. *Panicum* sp. (Poaceae).

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-3284. Macon Co., Alabama. Collected by W. C. Young. Perennial herb. Wild. Seed.

434188. *Paspalum distichum* L. (Poaceae) Knotgrass.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-4386. Boone Co., Arkansas. Collected by A. Heirman. Perennial herb. Wild. Stolons.

434189 TO 434192. *Paspalum notatum* Fluegge (Poaceae) Bahiagrass.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

434189. MS-131. 'Wilmington'. Released in 1971 by the Soil Conservation Service and the Mississippi Agricultural

434189 TO 434192-continued

Experiment Station. Perennial herb. Cultivated. Cultivar.
Seed.

434190. MS-4115. Shep's. Elmore Co., Alabama. Collected by A. A. Sheppard. Perennial herb. Cultivated. Primitive cultivar. Seed.

434191. MS-4383. Izard Co., Arkansas. Collected by K. Blan. Perennial herb. Cultivated. Primitive cultivar. Seed.

434192. MS-4384. Izard Co., Arkansas. Collected by K. Blan. Perennial herb. Cultivated. Primitive cultivar. Seed.

434193 TO 434194. Paspalum vaginatum Sw. (Poaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434193. MS-4577A. Hancock Co., Mississippi. .6m. Collected by K. Blan & D. Sanders. Perennial herb. Wild. Stolons.

434194. MS-4580B. Jackson Co., Mississippi. Collected by E. Blan & D. Sanders. Perennial herb. Wild. Stolons.

434195. Paspalum sp. (Poaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4526. Hancock Co., Mississippi. Collected by K. Blan.
Perennial herb. Wild. Stolons.

434196. Paulownia tomentosa (Thunb.) Steud. (Scrophulariaceae) Royal paulownia.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4014. Pulaski Co., Arkansas. Collected by T. A. Bown.
Tree. Cultivated. Landrace. Seed.

434197. Petalostemon multiflorus Nutt. (Fabaceae).

From United States. Held by Coffeeville Plant Materials Center,

434197-continued

Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1978.

MS-4356. PMK-1787. Perennial herb. Wild. Seed.

434198. Phalaris aquatica L. (Poaceae) Bulbous canarygrass.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-1897. Perennial herb. Wild. Seed.

434199. Phalaris arundinacea L. (Poaceae) Reed canarygrass.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-2547. Perennial herb. Wild. Seed.

434200. Phalaris stenoptera Hack. (Poaceae) Harding grass.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-3160. 'Wintergreen'. Released in 1969 by the Texas
Agricultural Experiment Station. Perennial herb.
Cultivated. Cultivar. Seed.

434201. Philadelphus coronarius L. (Saxifragaceae) Sweet mockorange.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4381. Jackson Parish, Louisiana. Collected by P. B.
Calvin, Jr. Perennial woody. Wild. Seed.

434202. Philadelphus virginialis Rehder (Saxifragaceae).

From United States. Held by Coffeeville Plant Materials Center,

434202-continued

Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4382. Lincoln Parish, Louisiana. Perennial woody.
Wild. Seed.

**434203 TO 434224. *Phragmites australis* (Cav.) Trin. ex Steud.
(Poaceae) Common reed.**

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434203. MS-3642. PMT-2380. Anahuac, Texas. Perennial herb. Wild.
Rhizomes.
434204. MS-3643. 'Shoreline'. PMT-2376. Kaufman Co., Texas. 276m.
Collected February 1970 by Arnold G. Davis. Released in
1978 by the Soil Conservation Service and the Texas
Agricultural Experiment Station. Perennial herb.
Cultivated. Cultivar. Rhizomes.
434205. MS-4107. Calcasieu Parish, Louisiana. Perennial herb.
Wild. Rhizomes.
434206. MS-4109. Vermilion Parish, Louisiana. Collected by D.
Landry. Perennial herb. Wild. Rhizomes.
434207. MS-4156. Mobile Co., Alabama. Collected by H. J.
Haynsworth. Perennial herb. Wild. Rhizomes.
434208. MS-4172. Glades Co., Florida. Collected by W. J. Harrell.
Perennial herb. Wild. Rhizomes.
434209. MS-4173. Glades Co., Florida. Collected by W. J. Harrell.
Perennial herb. Wild. Rhizomes.
434210. MS-4174. Glades Co., Florida. Collected by W. J. Harrell.
Perennial herb. Wild. Rhizomes.
434211. MS-4175. Glades Co., Florida. Collected by W. J. Harrell.
Perennial herb. Wild. Rhizomes.
434212. MS-4177. Glades Co., Florida. Collected by W. J. Harrell.
Perennial herb. Wild. Rhizomes.
434213. MS-4178. Glades Co., Florida. Collected by W. J. Harrell.
Perennial herb. Wild. Rhizomes.
434214. MS-4179. Glades Co., Florida. Collected by W. J. Harrell.

434203 TO 434224-continued

Perennial herb. Wild. Rhizomes.

434215. MS-4180. Glades Co., Florida. Collected by W. J. Harrell.
Perennial herb. Wild. Rhizomes.

434216. MS-4181. Glades Co., Florida. Collected by W. J. Harrell.
Perennial herb. Wild. Rhizomes.

434217. MS-4182. Glades Co., Florida. Collected by W. J. Harrell.
Perennial herb. Wild. Rhizomes.

434218. MS-4211. PMT-2990. Mobile, Alabama. Collected by R. N.
Hoit. Perennial herb. Wild. Rhizomes.

434219. MS-4212. PMT-2965. Anahuac, Texas. Collected by K.
Sparks. Perennial herb. Wild. Rhizomes.

434220. MS-4213. PMT-2440. Clinton, Oklahoma. Collected by Smola.
Perennial herb. Wild. Rhizomes.

434221. MS-4214. PMT-2382. Beaumont, Texas. Perennial herb. Wild.
Rhizomes.

434222. MS-4352. Vermilion Parish, Louisiana. Collected by N.
Goutierrez and D. Menard. Perennial herb. Wild. Rhizomes.

434223. MS-4363. Calcasieu Parish, Louisiana. Collected by E. J.
Ezernack. Perennial herb. Wild. Rhizomes.

434224. MS-4449. New Mexico. Collected by L. Hamilton. Perennial
herb. Wild. Rhizomes.

434225 TO 434226. *Phyllostachys* sp. (Poaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

434225. MS-500. Perennial herb. Cultivated. Landrace. Rhizomes.

434226. MS-4251. Boone Co., Arkansas. Collected by A. Heirman.
Perennial herb. Cultivated. Landrace. Rhizomes.

434227. *Pinus thunbergii* Parl. (Pinaceae) Japanese black pine.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-1873. Tree. Cultivated. Landrace. Plants.

434228. *Pistacia chinensis* Bunge (Anacardiaceae) Chinese pistache.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4415. California. Collected by K. Blan. Tree.
Cultivated. Landrace. Seed.

434229. *Pittosporum tobira* (Thunb.) Ait. (Pittosporaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-2678. Perennial woody. Wild. Plants.

434230 TO 434232. *Poa arida* Vasey (Poaceae) Plains bluegrass.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

434230. MS-4461. M-1071. Perennial herb. Wild. Seed.

434231. MS-4473. WY-573. Perennial herb. Wild. Seed.

434232. MS-4482. NM-625. Perennial herb. Wild. Seed.

434233. *Populus X robusta* Schneid. (Salicaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4683. Michigan. Tree. Wild. Cuttings.

434234. *Populus simonii* Carr. (Salicaceae) Simon poplar.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-3210. Tree. Wild. Cuttings.

434235 TO 434236. *Prunus caroliniana* Ait. (Rosaceae) Caroline cherry-laurel.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

434235. MS-2684. Perennial woody. Wild. Seed.

434236. MS-2693. South Carolina. Collected by K. E. Graetz. Perennial woody. Wild. Seed.

434237. *Prunus umbellata* Ell. (Rosaceae) Flatwoods plum.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

MS-3836. Bossier Parish, Louisiana. Collected by J. B. Adkins. Perennial woody. Wild. Seed.

434238 TO 434240. *Prunus* sp. (Rosaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

434238. MS-3995. Rapides Parish, Louisiana. Collected by B. Craft. Perennial woody. Wild. Seed.

434239. MS-4133. George Co., Mississippi. Collected by T. A. Bown. Perennial woody. Wild. Seed.

434240. MS-4404. PMT-3788. Perennial woody. Wild. Seed.

434241 TO 434242. *Psathyrostachys juncea* (Fisch.) Nevski (Poaceae) Russian wildrye.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

434241. MS-4475. 'Mayak'. Released in 1971 by the Canada Department of Agriculture. Perennial herb. Cultivated. Cultivar. Seed.

434242. MS-4476. 'Sawki'. Released in 1963 by the Canada

434241 TO 434242--continued

Department of Agriculture. Perennial herb. Cultivated.
Cultivar. Seed.

**434243. *Puccinellia airoides* (Nutt.) S. Wats. & Coult. (Poaceae)
Nuttall alkaligrass.**

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4471. WY-564. Perennial herb. Wild. Seed.

434244. *Puccinellia distans* (L.) Parl. (Poaceae) Weeping alkaligrass.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4480. Perennial herb. Wild. Seed.

434245 TO 434246. *Pueraria lobata* (Willd.) Ohwi (Fabaceae) Kudzu.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

434245. MS-3916. Little River Co., Arkansas. Perennial woody.
Wild. Plants.

434246. MS-4082. Perennial woody. Wild. Plants.

434247. *Pueraria* sp. (Fabaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4689. Perennial woody. Wild. Plants.

434248. *Pyracantha coccinea* M. J. Roem. (Rosaceae) Scarlet firethorn.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.

434248-continued

Received March 1979.

MS-819. Perennial woody. Wild. Seed.

434249. *Pyrus calleryana* Decne. (Rosaceae) Callery pear.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-3477. S-2398. Perennial woody. Cultivated. Landrace. Seed.

434250. *Pyrus pyrifolia* (Burm. f.) Nakai (Rosaceae) Chinese pear.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-4030. Winn Parish, Louisiana. Collected by T. A. Bown. Perennial woody. Cultivated. Landrace. Seed.

434251 TO 434252. *Pyrus* sp. (Rosaceae).

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

434251. MS-3281. George Co., Mississippi. Collected by J. Mims. Perennial woody. Wild. Seed.

434252. MS-4002. Yalobusha Co., Mississippi. Collected by L. Stebbling. Perennial woody. Wild. Seed.

434253 TO 434254. *Quercus acutissima* Carruth. (Fagaceae) Sawtooth oak.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

434253. MS-2. AM-261. Clark Co., Georgia. Collected by H. J. Haynsworth on the University of Georgia campus. Tree. Cultivated. Landrace. Seed.

434254. MS-3997. Scott Co., Mississippi. Collected by J. Mims.

434253 TO 434254—continued

Tree. Cultivated. Landrace. Seed.

434255. *Quercus chrysolepis* Liebm. (Fagaceae) California live oak.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received March 1979.

MS-4096. Curry Co., Oregon. Collected by J. T. Beene.
Tree. Wild. Seed.

434256. *Quercus ilex* L. (Fagaceae) Holly oak.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received March 1979.

MS-4505. Hancock Co., Mississippi. Collected by R. L.
Grigsby. Tree. Wild. Seed.

434257. *Quercus imbricaria* Michx. (Fagaceae) Shingle oak.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received March 1979.

MS-362. Hempstead Co., Arkansas. Collected by M. E. Byrd.
Tree. Wild. Seed.

434258 TO 434259. *Quercus phellos* L. (Fagaceae) Willow oak.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received March 1979.

434258. MS-4098. Hinds Co., Mississippi. Collected by E.
Sullivan. Tree. Wild. Seed.

434259. MS4099. Rapides Parish, Louisiana. Tree. Wild. Seed.

434260. *Quercus prinus* L. (Fagaceae) Chestnut oak.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,

434260-continued

Coffeeville, Mississippi.
Received March 1979.

MS-1648. Tree. Wild. Seed.

434261 TO 434273. *Quercus pumila* Walt. (Fagaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434261. MS-370. AM-305. Perennial woody. Wild. Seed.

434262. MS-371. AM-306. Perennial woody. Wild. Seed.

434263. MS-372. AM-262. Jeff Davis Co., Georgia. Perennial woody.
Wild. Seed.

434264. MS-1851. AM-1546. Perennial woody. Wild. Seed.

434265. MS-1852. AM-1547. Perennial woody. Wild. Seed.

434266. MS-1853. AM-1548. Perennial woody. Wild. Seed.

434267. MS-1854. AM-1549. Perennial woody. Wild. Seed.

434268. MS-1855. AM-1550. Perennial woody. Wild. Seed.

434269. MS-1856. AM-1551. Perennial woody. Wild. Seed.

434270. MS-1857. Perennial woody. Wild. Seed.

434271. MS-2685. Selection number 13 from AM-171. Perennial
woody. Wild. Seed.

434272. MS-2686. Selection number 8 from AM-1552. Perennial
woody. Wild. Seed.

434273. MS-4506. Harrison Co., Mississippi. Collected by S.
Smith. Perennial woody. Wild. Seed.

434274. *Quercus* sp. (Fagaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4168. Collected by B. B. Billingsley Jr. Tree. Wild.
Seed.

434275. *Rhodotypos scandens* (Thunb.) Makino (Fagaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4380. Lincoln Parish, Louisiana. Collected by P. B.
Calvin Jr. Perennial woody. Wild. Seed.

434276. *Rhynchosia minima* (L.) DC. (Fabaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4243. PMT-1881. Victoria, Texas. Collected by G.
Darby. Perennial herb. Cultivated. Landrace. Seed.

434277. *Rubus parviflorus* Nutt. (Rosaceae) Western thimbleberry.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-3212. Perennial woody. Wild. Plants.

434278 TO 434281. *Rudbeckia* sp. (Asteraceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434278. MS-3277. Calcasieu Parish, Louisiana. Collected by A.
Wilhite. Perennial herb. Wild. Seed.

434279. MS-3278. Calcasieu Parish, Louisiana. Collected by A.
Wilhite. Perennial herb. Wild. Seed.

434280. MS-3280. Rapides Parish, Louisiana. Collected by A.
Wilhite. Perennial herb. Wild. Seed.

434281. MS-3287. Rapides Parish, Louisiana. Collected by A.
Wilhite. Perennial herb. Wild. Seed.

434282 TO 434283. *Salicornia* sp. (Chenopodiaceae).

From United States. Held by Coffeeville Plant Materials Center,

434282 TO 434283-continued

Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434282. MS-4578A. Hancock Co., Mississippi. Collected by K. Blan
and D. Sanders. Perennial herb. Wild. Plants.

434283. MS-4579B. Hancock Co., Mississippi. Collected by K. Blan
and D. Sanders. Perennial herb. Wild. Plants.

434284. *Salix caprea* L. (Salicaceae) Goat willow.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4417. Lincoln Parish, Louisiana. Collected by P. B.
Calvin. Perennial woody. Wild. Cuttings.

434285. *Salix X cottetii* Kerner (Salicaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-1963. KY-663. Perennial woody. Wild. Cuttings.

434286. *Salix hastata* L. (Salicaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-863. Perennial woody. Wild. Cuttings.

434287 TO 434298. *Salix interior* Rowlee (Salicaceae) Sandbar willow.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434287. MS-880. Perennial woody. Wild. Cuttings.

434288. MS-4150. Rapides Parish, Louisiana. Collected by C.
Thompson. Perennial woody. Wild. Cuttings.

434287 TO 434298—continued

434289. MS-4248. Caddo Parish, Louisiana. Collected by C. Thompson. Perennial woody. Wild. Cuttings.
434290. MS-4249. Grant Parish, Louisiana. Collected by C. Thompson. Perennial woody. Wild. Cuttings.
434291. MS-4261. Marshall Co., Mississippi. Collected by K. Blan. Perennial woody. Wild. Cuttings.
434292. MS-4366. Leflore Co., Mississippi. Collected by K. Blan. Perennial woody. Wild. Cuttings.
434293. MS-4367. Yazoo Co., Mississippi. Collected by K. Blan. Perennial woody. Wild. Cuttings.
434294. MS-4368. Washington Co., Mississippi. Collected by K. Blan. Perennial woody. Wild. Cuttings.
434295. MS-4373. Madison Co., Mississippi. Collected by K. Blan. Perennial woody. Wild. Cuttings.
434296. MS-4394. Chickasaw Co., Mississippi. Collected by K. Blan. Perennial woody. Wild. Cuttings.
434297. MS-4428. Washington Co., Mississippi. Collected by K. Blan. Perennial woody. Wild. Cuttings.
434298. MS-4448. New Mexico. Collected by I. Hamilton. Perennial woody. Cultivated. Cuttings.

434299. *Salix X mollissima* Ehrh. (Salicaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

MS-886. EN-13681. Perennial woody. Wild. Cuttings.

434300 TO 434304. *Salix nigra* Marsh. (Salicaceae) Black willow.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

434300. MS-4129. Greene Co., Mississippi. Collected by T. A. Bown. Tree. Wild. Cuttings.

434301. MS-4130. Forrest Co., Mississippi. Collected by T. A.

434300 TO 434304-continued

Bown. Tree. Wild. Cuttings.

434302. MS-4131. George Co., Mississippi. Collected by T. A. Bown. Tree. Wild. Cuttings.

434303. MS-4132. Forrest Co., Mississippi. Collected by T. A. Bown. Tree. Wild. Cuttings.

434304. MS-4438. Yalobusha Co., Mississippi. Collected by B. B. Billingsley and J. Snider. Tree. Wild. Cuttings.

434305 TO 434309. *Salix purpurea* L. (Salicaceae) Purple osier.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

434305. MS-858. EN-13690. Perennial woody. Cultivated. Landrace. Cuttings.

434306. MS-859. EN-13680. Perennial woody. Cultivated. Landrace. Cuttings.

434307. MS-887. EN-13677. Perennial woody. Cultivated. Landrace. Cuttings.

434308. MS-882. EN-13669. Perennial woody. Cultivated. Landrace. Cuttings.

434309. MS-4365. 'Streamco'. NY-2178. Schuyler Co., New York. Released in 1976 by the Soil Conservation Service and the New York Department of Environmental Conservation. Perennial woody. Cultivated. Cultivar. Plants.

434310. *Salix seringeana* Gaudin (Salicaceae) Seringe willow.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-861. EN-13686. Perennial woody. Cultivated. Landrace. Cuttings.

434311. *Salix tristis* Ait. (Salicaceae).

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.

434311-continued

Received March 1979.

MS-4262. Tangipahoa Parish, Louisiana. Collected by C. Thompson. Perennial woody. Wild. Cuttings.

434312 TO 434326. Salix sp. (Salicaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.

Received March 1979.

- 434312. MS-3616. Perennial woody. Wild. Cuttings.
- 434313. MS-3619. Perennial woody. Wild. Cuttings.
- 434314. MS-3621. Perennial woody. Wild. Cuttings.
- 434315. MS-3622. Perennial woody. Wild. Cuttings.
- 434316. MS-3625. Perennial woody. Wild. Cuttings.
- 434317. MS-4003. Boone Co., Arkansas. Collected by T. A. Bown. Perennial woody. Wild. Cuttings.
- 434318. MS-4187. Madison Co., Florida. Collected by Carson and Cox. Perennial woody. Wild. Cuttings.
- 434319. MS-4190. Noble Co., Oklahoma. Collected by K. Blan. Perennial woody. Wild. Cuttings.
- 434320. MS-4191. Noble Co., Oklahoma. Collected by K. Blan. Perennial woody. Wild. Cuttings.
- 434321. MS-4192. Noble Co., Oklahoma. Collected by K. Blan. Perennial woody. Wild. Cuttings.
- 434322. MS-4252. Jackson Co., Mississippi. Collected by K. Blan and Grigsby. Perennial woody. Wild. Cuttings.
- 434323. MS-4358. Washington Co., Arkansas. Collected by K. Blan. Perennial woody. Wild. Cuttings.
- 434324. MS-4375. Lafayette Co., Mississippi. Collected by K. Blan. Perennial woody. Wild. Cuttings.
- 434325. MS-4489. Oregon. Collected by K. Blan. Perennial woody. Wild. Cuttings.
- 434326. MS-4539. Talbot Co., Georgia. Collected by Davis, Dronen, and Haynsworth. Perennial woody. Wild. Cuttings.

434327. *Sambucus callicarpa* Greene (Caprifoliaceae) Red elderberry.

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1978.

MS-3993. Curry Co., Oregon. Collected by Cortell.
Perennial woody. Wild. Seed.

**434328. *Sarcobatus vermiculatus* (Hook.) Torr. (Chenopodiaceae)
Greasewood.**

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4655. Perennial woody. Wild. Seed.

**434329 TO 434337. *Schizachyrium scoparium* (Michx.) Nash (Poaceae)
Little bluestem.**

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

**434329. MS-332. Yalobusha Co., Mississippi. Collected by M. Byrd.
Perennial herb. Wild. Seed.**

**434330. MS-333. Fanola Co., Mississippi. Collected by M. Byrd.
Perennial herb. Wild. Seed.**

**434331. MS-4031. Van Buren Co., Arkansas. Collected by T. A.
Bown. Perennial herb. Wild. Seed.**

**434332. MS-4032. Van Buren Co., Arkansas. Collected by T. A.
Bown. Perennial herb. Wild. Seed.**

**434333. MS-4033. Pope Co., Arkansas. Collected by T. A. Bown.
Perennial herb. Wild. Seed.**

**434334. MS-4126. Yalobusha Co., Mississippi. Perennial herb.
Wild. Seed.**

**434335. MS-4566. PMT-1236. San Angelo, Texas. Collected by Smith.
Perennial herb. Wild. Seed.**

**434336. MS-4567. PMT-1652. Waurika, Oklahoma. Collected by C.
Grimes. Perennial herb. Wild. Seed.**

434329 TO 434337-continued

434337. MS-4569. PMT-2738. Carrizo Springs, Texas. Perennial herb. Wild. Seed.

434338 TO 434340. *Scirpus* sp. (Cyperaceae).

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

434338. MS-4529. Jackson Co., Mississippi. Collected by K. Blan. Perennial herb. Wild. Plants.

434339. MS-4542. Union Co., Arkansas. Collected by K. Blan and B. B. Billingsley, Jr. Perennial herb. Wild. Plants.

434340. MS-4681. Jackson Co., Mississippi. Collected by K. Blan. Perennial herb. Wild. Plants.

434341. *Simmondsia chinensis* (Link) C. Schneid. (Buxaceae) Jojoba.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

MS-4544. Seed purchased from the Jojoba Oil and Seed Company, Arkansas. Perennial woody. Cultivated. Landrace. Seed.

434342 TO 434363. *Sorghastrum nutans* (L.) Nash (Poaceae) Indiangrass.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

434342. MS-1746. Yalobusha Co., Mississippi. Collected by V. E. Ahlrich. Perennial herb. Wild. Seed.

434343. MS-1747. Yalobusha Co., Mississippi. Collected by V. E. Ahlrich. Perennial herb. Wild. Seed.

434344. MS-1748. Yalobusha Co., Mississippi. Collected by V. E. Ahlrich. Perennial herb. Wild. Seed.

434345. MS-2227. Baker Co., Georgia. Collected by H. J. Haynsworth. Perennial herb. Wild. Seed.

434342 TO 434363-continued

434346. MS-2462. Perennial herb. Wild. Seed.
434347. MS-2463. 'Holt'. FC-37306. Released in 1960 by the Nebraska Agricultural Experiment Station and Plant Science Research Division, ARS. Perennial herb. Cultivated. Cultivar. Seed.
434348. MS-2464. 'Tejas'. FC-37660. Perennial herb. Cultivated. Primitive cultivar. Seed.
434349. MS-2465. Woodward. FC-36802. Perennial herb. Cultivated. Primitive cultivar. Seed.
434350. MS-2467. Cheyenne. Perennial herb. Cultivated. Primitive cultivar. Seed.
434351. MS-2468. Perennial herb. Wild. Seed.
434352. MS-2469. Perennial herb. Wild. Seed.
434353. MS-2471. Perennial herb. Wild. Seed.
434354. MS-2472. Perennial herb. Wild. Seed.
434355. MS-2473. Perennial herb. Wild. Seed.
434356. MS-2477. Crawford Co., Arkansas. Collected by Porter. Perennial herb. Wild. Seed.
434357. MS-2478. Lonoke Co., Arkansas. Collected by T. A. Bown. Perennial herb. Wild. Seed.
434358. MS-2479. Arkansas. Collected by T. A. Bown. Perennial herb. Wild. Seed.
434359. MS-2482. Arkansas Co., Arkansas. Collected by T. A. Bown. Perennial herb. Wild. Seed.
434360. MS-2558. Allen Parish, Louisiana. Collected by A. Wilhite. Perennial herb. Wild. Seed.
434361. MS-4128. Yalobusha Co., Mississippi. Perennial herb. Wild. Seed.
434362. MS-4244. PMT-802. Lampasas Co., Texas. 311m. Collected by H. Schofield. Perennial herb. Cultivated. Primitive cultivar. Seed.
434363. MS-4561. PMT-335. Hamilton, Texas. Perennial herb. Cultivated. Landrace. Seed.

434364 TO 434368. *Spartina alterniflora* Loisel. (Poaceae) Smooth cordgrass.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

- 434364. MS-4422. Jackson Co., Mississippi. Collected by K. Blan. Perennial herb. Wild. Plants.
- 434365. MS-4502. St. Mary Parish, Louisiana. Collected by B. Brownard. Perennial herb. Wild. Plants.
- 434366. MS-4521. Jackson Co., Mississippi. Collected by E. Blan. Perennial herb. Wild. Plants.
- 434367. MS-4552. Cameron Parish, Louisiana. .3m. Collected by K. Blan. Perennial herb. Wild. Plants.
- 434368. MS-4682. Jackson Co., Mississippi. Collected by K. Blan. Perennial herb. Wild. Plants.

434369 TO 434427. *Spartina patens* (Ait.) Muhl. (Poaceae) Salt-meadow cordgrass.

From United States. Held by Coffeeville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeeville, Mississippi.
Received March 1979.

- 434369. MS-4108. Calcasieu Parish, Louisiana. Perennial herb. Wild. Plants.
- 434370. MS-4110. Calcasieu Parish, Louisiana. Collected by D. Landry. Perennial herb. Wild. Plants.
- 434371. MS-4112. Vermilion Parish, Louisiana. Collected by C. Thompson. Perennial herb. Wild. Plants.
- 434372. MS-4256. Hancock Co., Mississippi. Collected by K. Blan and Grigsby. Perennial herb. Wild. Plants.
- 434373. MS-4271. AM-2892. Ocean Drive, South Carolina. Collected by K. Graetz. Perennial herb. Wild. Plants.
- 434374. MS-4272. AM-2893. Horry Co., South Carolina. Collected by K. Graetz. Perennial herb. Wild. Plants.
- 434375. MS-4273. AM-2894. St. Johns Co., Florida. Collected by R. M. Craig and Carter. Perennial herb. Wild. Plants.
- 434376. MS-4274. AM-2897. Flager Co., Florida. Collected by R. M.

434369 TO 434427-continued

Craig and Carter. Perennial herb. Wild. Plants.

434377. MS-4275. AM-2898. Savannah, Georgia. Collected by W. C. Young. Perennial herb. Wild. Plants.
434378. MS-4276. AM-2899. Liberty Co., Georgia. Collected by H. J. Haynsworth and W. C. Young. Perennial herb. Wild. Plants.
434379. MS-4277. AM-2909. Calhoun Co., Texas. Collected by F. Wright. Perennial herb. Wild. Plants.
434380. MS-4278. AM-2913. Matagorda Co., Texas. Collected by G. Kinsey. Perennial herb. Wild. Plants.
434381. MS-4279. AM-2918. Mobile Co., Alabama. Collected by R. M. Craig. Perennial herb. Wild. Plants.
434382. MS-4281. AM-2969. Harrison Co., Mississippi. Collected by R. N. Jones & W. I. Smith. Perennial herb. Wild. Plants.
434383. MS-4282. AM-2970. Harrison Co., Mississippi. Collected by R. N. Jones & W. I. Smith. Perennial herb. Wild. Plants.
434384. MS-4285. AM-2965. Wakulla Co., Florida. Collected by J. Woodham. Perennial herb. Wild. Plants.
434385. MS-4286. AM-2964. Wakulla Co., Florida. Collected by J. Woodham. Perennial herb. Wild. Plants.
434386. MS-4287. AM-2881. Wakulla Co., Florida. Collected by K. Graetz. Perennial herb. Wild. Plants.
434387. MS-4288. AM-2882. Dare Co., North Carolina. Collected by K. Graetz. Perennial herb. Wild. Plants.
434388. MS-4289. AM-2883. Dare Co., North Carolina. Collected by K. Graetz. Perennial herb. Wild. Plants.
434389. MS-4291. AM-2885. Bodie Island, North Carolina. Collected by K. Graetz. Perennial herb. Wild. Plants.
434390. MS-4292. AM-2886. Dare Co., North Carolina. Collected by K. Graetz. Perennial herb. Wild. Plants.
434391. MS-4293. AM-2887. Dare Co., North Carolina. Collected by K. Graetz. Perennial herb. Wild. Plants.
434392. MS-4295. AM-2874. Calcasieu Parish, Louisiana. Collected by F. J. Ezernack and A. Wilhite. Perennial herb. Wild. Plants.

434369 TO 434427-continued

434393. MS-4297. AM-2876. Cameron Parish, Louisiana. Collected by E. Perry. Perennial herb. Wild. Plants.
434394. MS-4298. AM-2878. Corolla, North Carolina. Collected by K. Graetz. Perennial herb. Wild. Plants.
434395. MS-4301. AM-2889. Charleston Co., South Carolina. Collected by K. Graetz. Perennial herb. Wild. Plants.
434396. MS-4304. AM-2891. Georgetown Co., South Carolina. Collected by K. Graetz. Perennial herb. Wild. Plants.
434397. MS-4305. AM-2895. Marineland, Florida. Collected by Craig and Carter. Perennial herb. Wild. Plants.
434398. MS-4308. AM-2904. Escambia Co., Florida. Collected by Adams and Boname. Perennial herb. Wild. Plants.
434399. MS-4309. AM-2905. Santa Rosa Co., Florida. Collected by Adams and Boname. Perennial herb. Wild. Plants.
434400. MS-4310. AM-2906. Santa Rosa Co., Florida. Collected by Adams and Boname. Perennial herb. Wild. Plants.
434401. MS-4311. AM-2907. Santa Rosa Co., Florida. Collected by Adams and Boname. Perennial herb. Wild. Plants.
434402. MS-4312. AM-2908. Port O'Conner, Texas. Collected by P. Wright. Perennial herb. Wild. Plants.
434403. MS-4313. AM-2910. Calhoun Co., Texas. Collected by T. Kreuz. Perennial herb. Wild. Plants.
434404. MS-4314. AM-2911. Nueces Co., Texas. Collected by Reinke and Frankenhauser. Perennial herb. Wild. Plants.
434405. MS-4315. AM-2912. Nueces Co., Texas. Collected by Reinke and Frankenhauser. Perennial herb. Wild. Plants.
434406. MS-4318. AM-2719. Dare Co., North Carolina. Perennial herb. Wild. Plants.
434407. MS-4319. AM-2823. Glynn Co., Georgia. Collected by R. L. Wilkes. Perennial herb. Wild. Plants.
434408. MS-4320. AM-2916. Refugio Co., Texas. Collected by Z. Williams. Perennial herb. Wild. Plants.
434409. MS-4321. AM-2917. Mobile Co., Alabama. Collected by R. M. Craig. Perennial herb. Wild. Plants.
434410. MS-4327. AM-2921. Baldwin Co., Alabama. Collected by R.

434369 TO 434427-continued

- M. Craig. Perennial herb. Wild. Plants.
434411. MS-4329. AM-2924. Aransas Co., Texas. Collected by O. D. Ediger. Perennial herb. Wild. Plants.
434412. MS-4330. AM-2925. Aransas Co., Texas. Collected by O. D. Ediger. Perennial herb. Wild. Plants.
434413. MS-4332. AM-2932. Bayport, Florida. Collected by R. D. Roush. Perennial herb. Wild. Plants.
434414. MS-4333. AM-2933. Hudson, Florida. Collected by R. D. Roush. Perennial herb. Wild. Plants.
434415. MS-4334. AM-2934. Hudson, Florida. Collected by R. D. Roush. Perennial herb. Wild. Plants.
434416. MS-4338. AM-2942. Lafourche Parish, Louisiana. Collected by W. Bordelon. Perennial herb. Wild. Plants.
434417. MS-4339. AM-2944. Citrus Co., Florida. Collected by R. D. Roush. Perennial herb. Wild. Plants.
434418. MS-4340. AM-2945. Citrus Co., Florida. Collected by R. D. Roush. Perennial herb. Wild. Plants.
434419. MS-4341. AM-2946. Citrus Co., Florida. Collected by R. D. Roush. Perennial herb. Wild. Plants.
434420. MS-4342. AM-2947. Citrus Co., Florida. Collected by R. D. Roush. Perennial herb. Wild. Plants.
434421. MS-4343. AM-2948. Terrebonne Parish, Louisiana. Perennial herb. Wild. Plants.
434422. MS-4347. AM-2960. Jefferson Co., Texas. Collected by K. Sparks. Perennial herb. Wild. Plants.
434423. MS-4348. AM-2961. Brazoria Co., Texas. Collected by K. Sparks. Perennial herb. Wild. Plants.
434424. MS-4350. AM-2963. Wakulla Co., Florida. Collected by J. Woodham. Perennial herb. Wild. Plants.
434425. MS-4351. AM-2968. Harrison Co., Mississippi. Collected by W. I. Smith & R. N. Jones. Perennial herb. Wild. Plants.
434426. MS-4353. AM-3712. Collected by N. Goutierrez and D. Menard. Perennial herb. Wild. Plants.
434427. MS-4362. Calcasieu Parish, Louisiana. Collected by F. J. Ezernack. Perennial herb. Wild. Plants.

434428 TO 434439. *Spartina pectinata* Link (Poaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

- 434428. MS-2174. Oklahoma. Collected by W. C. Young. Perennial herb. Wild. Plants.
- 434429. MS-2203. Arkansas Co., Arkansas. Collected by M. Byrd. Perennial herb. Wild. Plants.
- 434430. MS-4136. PMT-2389. Clinton, Oklahoma. Perennial herb. Wild. Plants.
- 434431. MS-4139. Perennial herb. Wild. Plants.
- 434432. MS-4142. PMT-2618. Canadian, Texas. Collected by L. McIntire. Perennial herb. Wild. Plants.
- 434433. MS-4143. PMT-2619. Miami, Texas. Collected by T. L. Powell. Perennial herb. Wild. Plants.
- 434434. MS-4144. PMT-2620. Stinnett, Texas. Collected by Winfred Bauer. Perennial herb. Wild. Plants.
- 434435. MS-4145. PMT-2621. Wheeler, Texas. Collected by H. C. McMillon. Perennial herb. Wild. Plants.
- 434436. MS-4146. PMT-2622. Amarillo, Texas. Collected by E. D. Archer. Perennial herb. Wild. Plants.
- 434437. MS-4147. PMT-2123. Hartley Co., Texas. Collected by K. D. Cunningham. Perennial herb. Wild. Plants.
- 434438. MS-4148. PMT-2624. Vega, Texas. Collected by J. Graves. Perennial herb. Wild. Plants.
- 434439. MS-4430. Prairie Co., Arkansas. Collected by K. Blan. Perennial herb. Wild. Plants.

434440 TO 434441. *Spartina* sp. (Poaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

- 434440. MS-4699. Kansas. Collected by L. J. Pearson. Perennial herb. Wild. Plants.
- 434441. MS-4700. Kansas. Collected by L. J. Pearson. Perennial

434440 TO 434441-continued
herb. Wild. Plants.

434442 TO 434445. *Sporobolus airoides* (Torr.) Torr. (Poaceae) Alkali
sacaton.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434442. MS-4472. WY-577. Perennial herb. Wild. Seed.

434443. MS-4474. ND-264. Perennial herb. Wild. Seed.

434444. MS-4481. P-15617. Socorro Co., New Mexico. 2575m.
Collected September 1958 By G. Niner. Perennial herb.
Wild. Seed.

434445. MS-4568. PMT-1733. Sayre, Oklahoma. Perennial herb. Wild.
Seed.

434446 TO 434452. *Sporobolus virginicus* (L.) Kunth (Poaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434446. MS-4507. Calcasieu Parish, Louisiana. Perennial herb.
Wild. Seed.

434447. MS-4525. Jackson Co., Mississippi. 3.3m. Collected by K.
Blan. Perennial herb. Wild. Seed.

434448. MS-4549. Cameron Parish, Louisiana. .3m. Collected by K.
Blan. Perennial herb. Wild. Seed.

434449. MS-4554. Cameron Parish, Louisiana. Collected by K. Blan.
Perennial herb. Wild. Seed.

434450. MS-4555. Jefferson Parish, Louisiana. .6m. Collected by
K. Blan. Perennial herb. Wild. Seed.

434451. MS-4591. Hancock Co., Mississippi. .6m. Collected by K.
Blan. Perennial herb. Wild. Seed.

434452. MS-4679. Jackson Co., Mississippi. Collected by K. Blan.
Perennial herb. Wild. Seed.

434453. Sporobolus wrightii Munro ex Scribn. (Poaceae) Sacaton.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4489. PMT-820. Falfurrias, Texas. Perennial herb.
Wild. Seed.

434454 TO 434455. Strophostyles helvola (L.) Ell. (Fabaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

434454. MS-4245. PMT-1879. Victoria, Texas. Collected by G.
Darby. Perennial herb. Wild. Seed.

434455. MS-4510. Washington Co., Mississippi. Collected by C.
Hemberlion. Perennial herb. Wild. Seed.

434456. Suaeda sp. (Chenopodiaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4652. Perennial herb. Wild. Seed.

434457. Symphoricarpos orbiculatus Moench (Caprifoliaceae) Coralberry.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4016. Arkansas. Collected by T. A. Bown. Perennial
woody. Wild. Seed.

434458. Tamarix gallica L. (Tamaricaceae) French tamarisk.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.
Received March 1979.

MS-4393. Calcasieu Parish, Louisiana. Collected by F. J.

434458-continued

Ezernack. Perennial woody. Wild. Plants.

434459. *Tamarix* sp. (Tamaricaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received March 1979.

MS-4647. Washington Co., Mississippi. Collected by K.
Blan. Perennial woody. Wild. Seed.

434460. *Thuja orientalis* L. (Cupressaceae) Oriental arborvitae.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received March 1979.

MS-3517. BN-18085. Perennial woody. Wild. Plants.

434461. *Thymus lanicaulis* Ronninger (Lamiaceae) Thyme.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received March 1979.

MS-3958. BN-11048. Perennial herb. Wild. Plants.

434462. *Trichloris crinita* (Lag.) Parodi (Poaceae).

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received March 1979.

MS-4557. PMT-12. Brackettville, Texas. Perennial herb.
Wild. Seed.

434463 TO 434480. *Tridens flavus* (L.) Hitchc. (Poaceae) Purpletop.

From United States. Held by Coffeeville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeville, Mississippi.

Received March 1979.

434463. MS-4163. Yalobusha Co., Mississippi. Collected by J.

434463 TO 434480-continued

- Snider. Perennial herb. Wild. Seed.
434464. MS-4170. Arkansas. Collected by K. Blan. Perennial herb. Wild. Seed.
434465. MS-4433. PMT-3385. Bowie Co., Texas. 109m. Collected by R. Tidwell and J. Patrick. Perennial herb. Wild. Seed.
434466. MS-4503. Polk Co., Arkansas. Collected by K. L. Smith. Perennial herb. Wild. Seed.
434467. MS-4504. Baxter Co., Arkansas. Collected by D. J. Butts. Perennial herb. Wild. Seed.
434468. MS-4511. Sevier Co., Arkansas. Collected by R. Ferguson. Perennial herb. Wild. Seed.
434469. MS-4512. Howard Co., Arkansas. Collected by M. Evans. Perennial herb. Wild. Seed.
434470. MS-4514. Yalobusha Co., Mississippi. Collected by B. B. Billingsley, Jr. Perennial herb. Wild. Seed.
434471. MS-4517. Franklin Co., Arkansas. Collected by J. D. Thompson. Perennial herb. Wild. Seed.
434472. MS-4518. Boone Co., Arkansas. Collected by A. Heirman. Perennial herb. Wild. Seed.
434473. MS-4519. Izard Co., Arkansas. Collected by J. Cagle. Perennial herb. Wild. Seed.
434474. MS-4532. Yell Co., Arkansas. Collected by J. V. Clark. Perennial herb. Wild. Seed.
434475. MS-4536. Union Co., Arkansas. Collected by S. Garner. Perennial herb. Wild. Seed.
434476. MS-4713. PMT-1327. Waco, Texas. Collected by R. C. Mauldin. Perennial herb. Wild. Seed.
434477. MS-4714. PMT-1741. Castland Co., Texas. Collected by J. Simpson. Perennial herb. Wild. Seed.
434478. MS-4715. PMT-1742. Jones Co., Texas. Collected by G. D. Stone. Perennial herb. Wild. Seed.
434479. MS-4716. PMT-2434. Perennial herb. Wild. Seed.
434480. MS-4717. PMT-4069. McLennan Co., Texas. Collected November 1976 by R. C. Mauldin. Perennial herb. Wild. Seed.

434481. *Trifolium purpureum* Loisel. (Fabaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4621. EN-16315. Perennial herb. Wild. Seed.

434482. *Trifolium spumosum* L. (Fabaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-4629. BN-10949. Annual. Wild. Seed.

**434483 TO 434493. *Tripsacum dactyloides* (L.) L. (Poaceae) Eastern
gamagrass.**

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

434483. MS-420. PMT-2456. Perennial herb. Wild. Rhizomes.

434484. MS-4201. PMT-829. Rosenberg, Texas. Collected by McGuire.
Perennial herb. Wild. Rhizomes.

434485. MS-4202. PMT-1609. Lincoln Co., Oklahoma. Collected by J.
Spitzer. Perennial herb. Wild. Rhizomes.

434486. MS-4203. PMT-1618. Wagoner Co., Oklahoma. Collected by H.
E. Dietz. Perennial herb. Wild. Rhizomes.

434487. MS-4204. PMT-1599. Bryan Co., Oklahoma. Collected by C.
Fry. Perennial herb. Wild. Rhizomes.

434488. MS-4205. PMT-1612. Pontotoc Co., Oklahoma. Perennial
herb. Wild. Rhizomes.

434489. MS-4206. PMT-1591. Carter Co., Oklahoma. Collected by C.
Fry. Perennial herb. Wild. Rhizomes.

434490. MS-4207. PMT-1607. Mayes Co., Oklahoma. Collected by
Bell and Elliott. Perennial herb. Wild. Rhizomes.

434491. MS-4208. PMT-1615. Noble Co., Oklahoma. Collected by
Dilley and Bullard. Perennial herb. Wild. Rhizomes.

434483 TO 434493-continued

434492. MS-4209. PMT-1617. Grant Co., Oklahoma. Collected by L. D. Wilson. Perennial herb. Wild. Rhizomes.

434493. MS-4210. PMT-832. San Marcos, Texas. Collected by Anderson. Perennial herb. Wild. Rhizomes.

434494. *Uniola paniculata* L. (Poaceae) Sea-oats.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-4421. Hancock Co., Mississippi. Collected by K. Blan. Perennial herb. Wild. Rhizomes.

434495. *Veronica incana* L. (Scrophulariaceae).

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-3959. EN-10888. Perennial herb. Wild. Seed.

434496. *Viburnum rufidulum* Raf. (Caprifoliaceae) Rusty blackhaw.

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-4097. Boone Co., Arkansas. Collected by T. A. Bown. Perennial woody. Wild. Seed.

434497. *Vicia grandiflora* Scop. (Fabaceae).

From United States. Held by Coffeerville Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Coffeerville, Mississippi.
Received March 1979.

MS-4165. Fayette Co., Kentucky. Collected by W. Templeton. Perennial herb. Wild. Seed.

434498. *Vigna unguiculata* (L.) Verdc. subsp. *cylindrica* (Fabaceae)

434498—continued

Catjang.

**From United States. Held by Coffeeverville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeverville, Mississippi.
Received March 1979.**

**MS-4692. Oklahoma. Purchased from Mellot Seed Co.,
Oklahoma. Perennial herb. Wild. Seed.**

434499. *Vinca major* L. (Apocynaceae) Periwinkle.

**From United States. Held by Coffeeverville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeverville, Mississippi.
Received March 1979.**

**MS-2362. Webster Co., Mississippi. Collected by J. H.
Adams. Perennial herb. Wild. Plants.**

434500. *Vinca minor* L. (Apocynaceae) Common periwinkle.

**From United States. Held by Coffeeverville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeverville, Mississippi.
Received March 1979.**

MS-2361. Perennial herb. Wild. Plants.

**434501. *Zizania latifolia* (Griseb.) Turcz. ex Stapf (Poaceae)
Manchurian wildrice.**

**From United States. Held by Coffeeverville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeverville, Mississippi.
Received March 1979.**

MS-4123B. Perennial herb. Wild. Seed.

434502. *Zoysia japonica* Steud. (Poaceae) Zoysia.

**From United States. Held by Coffeeverville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeeverville, Mississippi.
Received March 1979.**

**MS-526. Z-73. Selected at Plant Industry Station,
Beltsville, MD, in cooperation with Golf Association
Green Section. Perennial herb. Wild. Rhizomes.**

434503. *Zoysia* sp. (Poaceae).

From United States. Held by Coffeerville Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture,
Coffeerville, Mississippi.
Received March 1979.

MS-2620. Perennial herb. Wild. Rhizomes.

434504 TO 434588. *Dactylis glomerata* L. (Poaceae) Orchardgrass.

From Japan. Collected by S. Kawabata, National Grassland Research
Institute, Nishinasuno, Tochigi-ken. Received through The United
States-Japan National Resources Project on forage crop germplasm.
Received June 1979.

434504. N1-110025. Turkey. Wild. Seed.

434505. N1-110026. Turkey. Wild. Seed.

434506. N1-110027. Turkey. Wild. Seed.

434507. N1-110028. Turkey. Wild. Seed.

434508. N1-110029. Turkey. Wild. Seed.

434509. N1-110030. Turkey. Wild. Seed.

434510. N1-110031. Turkey. Wild. Seed.

434511. N1-110032. Turkey. Wild. Seed.

434512. N1-110033. Turkey. Wild. Seed.

434513. N1-110034. Turkey. Wild. Seed.

434514. N1-110035. Turkey. Wild. Seed.

434515. N1-110036. Turkey. Wild. Seed.

434516. N1-110037. Turkey. Wild. Seed.

434517. N1-110038. Turkey. Wild. Seed.

434518. N1-110039. Turkey. Wild. Seed.

434519. N1-110040. Turkey. Wild. Seed.

434520. N1-110041. Turkey. Wild. Seed.

434521. N1-110042. Turkey. Wild. Seed.

434522. N1-110043. Turkey. Wild. Seed.

434504 TO 434588--continued

434523. N1-110044. Turkey. Wild. Seed.
434524. N1-110045. Turkey. Wild. Seed.
434525. N1-110046. Turkey. Wild. Seed.
434526. N1-110047. Turkey. Wild. Seed.
434527. N1-110048. Turkey. Wild. Seed.
434528. N1-110049. Turkey. Wild. Seed.
434529. N1-110050. Turkey. Wild. Seed.
434530. N1-110051. Turkey. Wild. Seed.
434531. N1-110052. Turkey. Wild. Seed.
434532. N1-110053. Turkey. Wild. Seed.
434533. N1-110054. Turkey. Wild. Seed.
434534. N1-110055. Turkey. Wild. Seed.
434535. N1-110056. Turkey. Wild. Seed.
434536. N1-110057. Turkey. Wild. Seed.
434537. N1-110058. Turkey. Wild. Seed.
434538. N1-110059. Turkey. Wild. Seed.
434538. N1-110060. Turkey. Wild. Seed.
434540. N1-110061. Turkey. Wild. Seed.
434541. N1-110062. Turkey. Wild. Seed.
434542. N1-110063. Turkey. Wild. Seed.
434543. N1-110064. Turkey. Wild. Seed.
434544. N1-110065. Turkey. Wild. Seed.
434545. N1-110066. Turkey. Wild. Seed.
434546. N1-110067. Turkey. Wild. Seed.
434547. N1-110068. Turkey. Wild. Seed.
434548. N1-110069. Turkey. Wild. Seed.

434504 TO 434588-continued

434549. N1-110070. Turkey. Wild. Seed.
434550. N1-110071. Turkey. Wild. Seed.
434551. N1-110072. Turkey. Wild. Seed.
434552. N1-110073. Turkey. Wild. Seed.
434553. N1-110074. Turkey. Wild. Seed.
434554. N1-110075. Iran. Wild. Seed.
434555. N1-110076. Iran. Wild. Seed.
434556. N1-110077. Iran. Wild. Seed.
434557. N1-110078. Iran. Wild. Seed.
434558. N1-110079. Iran. Wild. Seed.
434559. N1-110080. Iran. Wild. Seed.
434560. N1-110081. Iran. Wild. Seed.
434561. N1-110082. Iran. Wild. Seed.
434562. N1-110083. Iran. Wild. Seed.
434563. N1-110084. Iran. Wild. Seed.
434564. N1-110085. Iran. Wild. Seed.
434565. N1-110086. Iran. Wild. Seed.
434566. N1-110087. Iran. Wild. Seed.
434567. N1-110088. Iran. Wild. Seed.
434568. N1-110089. Iran. Wild. Seed.
434569. N1-110090. Iran. Wild. Seed.
434570. N1-110091. Iran. Wild. Seed.
434571. N1-110092. Iran. Wild. Seed.
434572. N1-110093. Iran. Wild. Seed.
434573. N1-110094. Iran. Wild. Seed.
434574. N1-110095. Iran. Wild. Seed.

434504 TO 434588-continued

- 434575. N1-110096. Iran. Wild. Seed.
- 434576. N1-110097. Iran. Wild. Seed.
- 434577. N1-110098. Iran. Wild. Seed.
- 434578. N1-110098. Iran. Wild. Seed.
- 434579. N1-110100. Iran. Wild. Seed.
- 434580. N1-110101. Iran. Wild. Seed.
- 434581. N1-110102. Iran. Wild. Seed.
- 434582. N1-110103. Iran. Wild. Seed.
- 434583. N1-110104. Iran. Wild. Seed.
- 434584. N1-110105. Iran. Wild. Seed.
- 434585. N1-110106. Iran. Wild. Seed.
- 434586. N1-110107. Iran. Wild. Seed.
- 434587. N1-110108. Iran. Wild. Seed.
- 434588. N1-110109. Iran. Wild. Seed.

434589. *Cicer arietinum* L. (Fabaceae) Chickpea.

From India. Donated by International Crops Research Institute for the Semi-arid Tropics, Hyderabad.

Received July 1979.

ICC-1903. Morocco. Indian Agricultural Res. Institute, New Delhi. P 1528-1-1. Selected from P 1528-1 for resistance to *Ascochyta* blight. See *Indian Phytopathology* 27:643-645. 1974. Seeds Black. Cultivated. Breeding material. Seed.

434590. *Prunus campanulata* Maxim. (Rosaceae) Taiwan cherry.

From China, Republic of. Donated by Department of Horticulture, National Taiwan University, Taipei, Taiwan. Received through The Asian Vegetable Research and Development Center, Shaha, Taiwan, 741.

Received July 1978.

Collected April 20, 1979. Wushe, Nantou. 1,100m. Plant shape and flowers attractive. Grown as an ornamental.

434590-continued

Tree. Cultivated. Seed.

434591 TO 434596. Medicago sativa L. (Fabaceae) Alfalfa.

From Japan. Donated by Forage Crops Breeding Laboratory, Aichi Prefecture Agriculture Research Center, Aichi-gun, Aichi. Received through the United States-Japan National Resources Project on forage crop germplasm.

Received June 1979.

434591. AI 2043. Selected from Aikei No. 11. Wild. Breeding material. Seed.

434592. AI 2045. Selected from Aikei No. 12. Wild. Breeding material. Seed.

434593. AI 2047. Selected from Aikei No. 13. Wild. Breeding material. Seed.

434594. AI 2049. Selected from Aikei No. 14. Wild. Breeding material. Seed.

434595. AI 2050. Selected from Aikei No. 15. Wild. Breeding material. Seed.

434596. AI 2051. Wild. Breeding material. Seed.

434597 TO 434610. Medicago sativa L. (Fabaceae) Alfalfa.

From Argentina. Donated by Estacion Experimental Regional Agropecuaria Anguil, Instituto Nacional de Tecnologia Agropecuaria, Anguil, La Pampa. Received through S. A. Ostazeski, Field Crops Lab, Bldg. 001, BARC-W, Beltsville, MD.

Received July 1979.

434597. L.P. 2896. Pampeana Harriet. Seed.

434598. L.P. 3033. Ecotipo Henderson. Seed.

434599. L.P. 3046. Polihibrido Manfredi. Seed.

434600. L.P. 3048. Fortin Pergamino. Seed.

434601. L.P. 3090. Seleccion Salta. Seed.

434602. L.P. 3091. Ecotipo Ardohain. Seed.

434603. L.P. 3134. Anguil INTA. Seed.

434604. L.P. 3136. Bordenave INTA. Seed.

434597 TO 434610-continued

- 434605. L.P. 3139. Ecotipo Jose Sanchez. Seed.
- 434606. L.P. 3140. Saladina. Seed.
- 434607. L.P. 3141. San Martin FAV. Seed.
- 434608. L.P. 3158. Varsat. Seed.
- 434609. L.P. 3160. Santamburlo. Seed.
- 434610. L.P. 3170. Ecotipo Maros Juarez. Seed.

434611 TO 434626. *Oryza sativa* L. (Poaceae) Rice.

From Philippines. Donated by The International Rice Research Institute, Manila.
Received July 1979.

- 434611. IRRRI 24167. China 1039. Cold tolerant. Cultivated. Seed.
- 434612. IRRRI 690. Inilang Ilang. Waxy endosperm. Cultivated. Seed.
- 434613. IRRRI 13382. JP 5. Cold tolerant. Cultivated. Seed.
- 434614. IRRRI 28626. Jyanak. Bhutan. Cultivated. Seed.
- 434615. IRRRI 11175. Kataqeran. Cold tolerant. Cultivated. Seed.
- 434616. IRRRI 4018. Makapilay Pusa. Waxy endosperm. Cultivated. Seed.
- 434617. IRRRI 3766. Malagkit Minantica. Waxy endosperm. Cultivated. Seed.
- 434618. IRRRI 8182. Malagkit Pirurutong. Waxy endosperm. Cultivated. Seed.
- 434619. IRRRI 599. Malagkit Songsong. Waxy endosperm. Cultivated. Seed.
- 434620. IRRRI 34808. Paro Local. Bhutan. Waxy endosperm. Cultivated. Seed.
- 434621. IRRRI 33945. Paro White. Bhutan. Waxy endosperm. Cultivated. Seed.
- 434622. IRRRI 11176. Qaditawan. Cold tolerant. Cultivated. Seed.
- 434623. IRRRI 36807. Thimphu Local. Bhutan. Cultivated. Seed.

434611 TO 434626--continued

434624. IRR I 28482. Unnamed Shensi. Cold tolerant. Cultivated. Seed.
434625. IRR I 24173. YR 6-100-9. Cold tolerant. Cultivated. Seed.
434626. IRR I 8740. Yuhkara. Cold tolerant. Cultivated. Seed.

434627 TO 434639. *Oryza sativa* L. (Poaceae) Upland rice.

From Philippines. Donated by The International Rice Research Institute, Manila.

Received July 1979.

434627. IRR I 14661. Arias Halus. Cultivated. Seed.
434628. IRR I 10595. Cartuna. Cultivated. Seed.
434629. IRR I 19645. IAC 1246. Cultivated. Seed.
434630. IRR I 23364. Kinandang Patong. Cultivated. Seed.
434631. IRR I 23761. Ma Wai. Cultivated. Seed.
434632. IRR I 12048. Moroberekan. Cultivated. Seed.
434633. IRR I 11335. OS 4. Cultivated. Seed.
434634. IRR I 14382. Padi Tambayungan. Cultivated. Seed.
434635. IRR I 14390. Padi Tatakin. Cultivated. Seed.
434636. IRR I 353. Palawan. Cultivated. Seed.
434637. IRR I 23370. Plah Sew. Cultivated. Seed.
434638. IRR I 7697. Rikuto Norin 21. Cultivated. Seed.
434639. IRR I 12103. Sankok. Cultivated. Seed.

434640. *Pennisetum flaccidum* Griseb. (Poaceae).

From Pakistan. Collected by E. Nasir, National Herbarium, Pakistan Agriculture Research Council, Islamabad. Received through D. R. Cornelius, Agency for International Development, Islamabad.

Received June 1979.

Murree area, common along field borders. Occurs at elevations of 1350 to 2550m. Wild. Seed.

434641. Pennisetum setaceum (Forsk.) Chiov. (Poaceae) Fountaingrass.

From South Africa. Donated by T. C. Nel, Division of Plant and Seed Control, Pretoria.
Received May 1979.

Three to four km southwest of Thabazimbi, Transvaal on iron spoils. Sometimes planted for decoration. Spreads. Local name Pronkgras (show grass). Wild. Seed.

434642 TO 434644. Triticum aestivum L. (Poaceae) Common wheat.

From Australia. Donated by K. Symes, Australian Wheat Collection, Tamsworth, New South Wales.
Received April 1979.

434642. AUS 20578. 'Tincurrin'. Cultivated. Cultivar. Seed.

434643. AUS 20592. 'Lance'. Cultivated. Cultivar. Seed.

434644. AUS 20593. 'Warigal'. Cultivated. Cultivar. Seed.

434645. Triticum durum Desf. (Poaceae) Durum wheat.

From Australia. Donated by K. Symes, Australian Wheat Collection, Tamsworth, New South Wales.
Received April 1979.

AUS 20577. 'Durati'. Cultivated. Cultivar. Seed.

434646 TO 434710. Triticum aestivum L. (Poaceae) Common wheat.

From Yugoslavia. Donated by S. Borojevic, Faculty of Agriculture, Novi Sad.
Received April 1979.

434646. NS 10-91. Winter annual. Cultivated. Seed.

434647. NS 11-33/1. Winter annual. Cultivated. Seed.

434648. NS 12-01. Winter annual. Cultivated. Seed.

434649. NS 12-51. Winter annual. Cultivated. Seed.

434650. NS 12-72. Winter annual. Cultivated. Seed.

434651. NS 13-24. Winter annual. Cultivated. Seed.

434652. NS 13-69. Winter annual. Cultivated. Seed.

434653. NS 13-70. Winter annual. Cultivated. Seed.

434646 TO 434710-continued

- 434654. NS 13-76. Winter annual. Cultivated. Seed.
- 434655. NS 13-78. Winter annual. Cultivated. Seed.
- 434656. NS 13-86. Winter annual. Cultivated. Seed.
- 434657. NS 14-00. Winter annual. Cultivated. Seed.
- 434658. NS 14-03. Winter annual. Cultivated. Seed.
- 434659. NS 14-04. Winter annual. Cultivated. Seed.
- 434660. NS 14-06. Winter annual. Cultivated. Seed.
- 434661. NS 14-20. Winter annual. Cultivated. Seed.
- 434662. NS 14-31. Winter annual. Cultivated. Seed.
- 434663. NS 14-63. Winter annual. Cultivated. Seed.
- 434664. NS 14-66. Winter annual. Cultivated. Seed.
- 434665. NS 14-73/1. Winter annual. Cultivated. Seed.
- 434666. NS 14-81. Winter annual. Cultivated. Seed.
- 434667. NS 15-89A. Winter annual. Cultivated. Seed.
- 434668. NS 16-00. Winter annual. Cultivated. Seed.
- 434669. NS 18-30. Winter annual. Cultivated. Seed.
- 434670. NS 18-71. Winter annual. Cultivated. Seed.
- 434671. NS 18-99. Winter annual. Cultivated. Seed.
- 434672. NS 34/1. Winter annual. Cultivated. Seed.
- 434673. NS 50-25. Winter annual. Cultivated. Seed.
- 434674. NS 50-32. Winter annual. Cultivated. Seed.
- 434675. NS 50-62. Winter annual. Cultivated. Seed.
- 434676. NS 51-37. Winter annual. Cultivated. Seed.
- 434677. NS 51-43. Winter annual. Cultivated. Seed.
- 434678. NS 52-04. Winter annual. Cultivated. Seed.
- 434679. NS 54-01. Winter annual. Cultivated. Seed.

434646 TO 434710-continued

- 434680. NS 54-67. Winter annual. Cultivated. Seed.
- 434681. NS 177/1. Winter annual. Cultivated. Seed.
- 434682. NS 177/1-3. Winter annual. Cultivated. Seed.
- 434683. NS 302. Winter annual. Cultivated. Seed.
- 434684. NS 303. Winter annual. Cultivated. Seed.
- 434685. NS 532. Winter annual. Cultivated. Seed.
- 434686. NS 545. Winter annual. Cultivated. Seed.
- 434687. NS 559. Winter annual. Cultivated. Seed.
- 434688. NS 604. Winter annual. Cultivated. Seed.
- 434689. NS 625. Winter annual. Cultivated. Seed.
- 434690. NS 630. Winter annual. Cultivated. Seed.
- 434691. NS 668. Winter annual. Cultivated. Seed.
- 434692. NS 669. Winter annual. Cultivated. Seed.
- 434693. NS 675. Winter annual. Cultivated. Seed.
- 434694. NS 717. Winter annual. Cultivated. Seed.
- 434695. NS 718. Winter annual. Cultivated. Seed.
- 434696. NS 719. Winter annual. Cultivated. Seed.
- 434697. NS 722. Winter annual. Cultivated. Seed.
- 434698. NS 732. Winter annual. Cultivated. Seed.
- 434699. NS 736. Winter annual. Cultivated. Seed.
- 434700. NS 738/1. Winter annual. Cultivated. Seed.
- 434701. NS 831. Winter annual. Cultivated. Seed.
- 434702. NS 838. Winter annual. Cultivated. Seed.
- 434703. NS 839. Winter annual. Cultivated. Seed.
- 434704. NS 845. Winter annual. Cultivated. Seed.
- 434705. NS 877. Winter annual. Cultivated. Seed.

434646 TO 434710-continued

- 434706.** NS 894. Winter annual. Cultivated. Seed.
- 434707.** NS 974/1. Winter annual. Cultivated. Seed.
- 434708.** NS 7000. Winter annual. Cultivated. Seed.
- 434709.** NS 7001. Winter annual. Cultivated. Seed.
- 434710.** NS 7002. Winter annual. Cultivated. Seed.

434711 TO 434730. Triticum aestivum L. (Poaceae) Common wheat.

From Mexico. Donated by International Maize and Wheat Improvement Center (CIMMYT), Mexico 6, D. F.
Received August 1978.

- 434711.** S-9. Hsin Mai 2. China, Peoples Repub of. Cultivated. Seed.
- 434712.** S-13. Hsin Mai 4. China, Peoples Repub of. Cultivated. Seed.
- 434713.** S-10. Honau Pai. China, Peoples Repub of. Cultivated. Seed.
- 434714.** S-11. Hung Tung Mai. China, Peoples Repub of. Cultivated. Seed.
- 434715.** S-6. Hweih sien Red. China, Peoples Repub of. Cultivated. Seed.
- 434716.** S-16. Ma Cha Mai. China, Peoples Repub of. Cultivated. Seed.
- 434717.** S-15. Orofen White. China, Peoples Repub of. Cultivated. Seed.
- 434718.** S-20. Pi Ma 1. China, Peoples Repub of. Cultivated. Seed.
- 434719.** S-19. Pi Ma 4. China, Peoples Repub of. Cultivated. Seed.
- 434720.** S-36. Ping Yuang 50. China, Peoples Repub of. Cultivated. Seed.
- 434721.** S-14. Ra Shih Pai Pi. China, Peoples Repub of. Cultivated. Seed.
- 434722.** S-12. T'aishan 1. China, Peoples Repub of. Cultivated. Seed.
- 434723.** S-18. T'aishan 5. China, Peoples Repub of. Cultivated.

434711 TO 434730—continued
Seed.

- 434724. S-17. Tsehsien 2. China, Peoples Repub of. Cultivated. Seed.
- 434725. S-21. Tsinan 2. China, Peoples Repub of. Cultivated. Seed.
- 434726. S-23. Tsinan 4. China, Peoples Repub of. Cultivated. Seed.
- 434727. S-3. Tsinan 5. China, Peoples Repub of. Cultivated. Seed.
- 434728. S-5. Tsinan 6. China, Peoples Repub of. Cultivated. Seed.
- 434729. S-2. Tsinan 9. China, Peoples Repub of. Cultivated. Seed.
- 434730. S-22. Yu Pao. China, Peoples Repub of. Cultivated. Seed.

434731 TO 434854. *Hordeum vulgare* L. (Poaceae) Barley.

From Canada. Donated by C. A. St-Pierre, Department of Plant Science, Universite Laval, Quebec, Quebec.
Received April 1979.

- 434731. QB 160.6. Cultivated. Seed.
- 434732. QB 701.1. Cultivated. Seed.
- 434733. QB 701.2. Cultivated. Seed.
- 434734. QB 701.3. Cultivated. Seed.
- 434735. QB 701.4. Cultivated. Seed.
- 434736. QB 701.5. Cultivated. Seed.
- 434737. QB 701.6. Cultivated. Seed.
- 434738. QB 701.7. Cultivated. Seed.
- 434739. QB 701.8. Cultivated. Seed.
- 434740. QB 701.9. Cultivated. Seed.
- 434741. QB 702.1. Cultivated. Seed.
- 434742. QB 702.2. Cultivated. Seed.
- 434743. QB 702.3. Cultivated. Seed.
- 434744. QB 702.4. Cultivated. Seed.

434731 TO 434854-continued

- 434745. QB 702.5. Cultivated. Seed.
- 434746. QB 702.6. Cultivated. Seed.
- 434747. QB 702.7. Cultivated. Seed.
- 434748. QB 703.1. Cultivated. Seed.
- 434749. QB 703.2. Cultivated. Seed.
- 434750. QB 703.3. Cultivated. Seed.
- 434751. QB 703.4. Cultivated. Seed.
- 434752. QB 703.5. Cultivated. Seed.
- 434753. QB 703.6. Cultivated. Seed.
- 434754. QB 703.7. Cultivated. Seed.
- 434755. QB 703.8. Cultivated. Seed.
- 434756. QB 703.9. Cultivated. Seed.
- 434757. QB 703.10. Cultivated. Seed.
- 434758. QB 704.1. Cultivated. Seed.
- 434759. QB 704.2. Cultivated. Seed.
- 434760. QB 704.3. Cultivated. Seed.
- 434761. QB 704.4. Cultivated. Seed.
- 434762. QB 704.5. Cultivated. Seed.
- 434763. QB 704.6. Cultivated. Seed.
- 434764. QB 704.7. Cultivated. Seed.
- 434765. QB 704.8. Cultivated. Seed.
- 434766. QB 704.9. Cultivated. Seed.
- 434767. QB 704.10. Cultivated. Seed.
- 434768. QB 704.11. Cultivated. Seed.
- 434769. QB 704.12. Cultivated. Seed.
- 434770. QB 704.13. Cultivated. Seed.

434731 TO 434854—continued

434771. QB 705.1. Cultivated. Seed.
434772. QB 706.1. Cultivated. Seed.
434773. QB 706.2. Cultivated. Seed.
434774. QB 706.3. Cultivated. Seed.
434775. QB 706.4. Cultivated. Seed.
434776. QB 706.5. Cultivated. Seed.
434777. QB 706.6. Cultivated. Seed.
434778. QB 706.7. Cultivated. Seed.
434779. QB 706.8. Cultivated. Seed.
434780. QB 707.1. Cultivated. Seed.
434781. QB 707.2. Cultivated. Seed.
434782. QB 707.3. Cultivated. Seed.
434783. QB 707.4. Cultivated. Seed.
434784. QB 707.5. Cultivated. Seed.
434785. QB 708.1. Cultivated. Seed.
434786. QB 708.2. Cultivated. Seed.
434787. QB 708.3. Cultivated. Seed.
434788. QB 708.4. Cultivated. Seed.
434789. QB 708.5. Cultivated. Seed.
434790. QB 708.6. Cultivated. Seed.
434791. QB 709.1. Cultivated. Seed.
434792. QB 709.2. Cultivated. Seed.
434793. QB 709.3. Cultivated. Seed.
434794. QB 709.4. Cultivated. Seed.
434795. QB 709.5. Cultivated. Seed.
434796. QB 710.1. Cultivated. Seed.

434731 TO 434854-continued

434797. QB 710.2. Cultivated. Seed.
434798. QB 710.3. Cultivated. Seed.
434799. QB 710.4. Cultivated. Seed.
434800. QB 710.5. Cultivated. Seed.
434801. QB 710.6. Cultivated. Seed.
434802. QB 710.7. Cultivated. Seed.
434803. QB 710.8. Cultivated. Seed.
434804. QB 710.9. Cultivated. Seed.
434805. QB 711.1. Cultivated. Seed.
434806. QB 711.2. Cultivated. Seed.
434807. QB 712.1. Cultivated. Seed.
434808. QB 713.1. Cultivated. Seed.
434809. QB 713.2. Cultivated. Seed.
434810. QB 714.1. Cultivated. Seed.
434811. QB 714.2. Cultivated. Seed.
434812. QB 714.3. Cultivated. Seed.
434813. QB 714.4. Cultivated. Seed.
434814. QB 714.5. Cultivated. Seed.
434815. QB 714.6. Cultivated. Seed.
434816. QB 714.7. Cultivated. Seed.
434817. QB 714.8. Cultivated. Seed.
434818. QB 714.9. Cultivated. Seed.
434819. QB 714.10. Cultivated. Seed.
434820. QB 715.1. Cultivated. Seed.
434821. QB 715.2. Cultivated. Seed.
434822. QB 715.3. Cultivated. Seed.

434731 TO 434854-continued

434823. QB 715.4. Cultivated. Seed.
434824. QB 715.5. Cultivated. Seed.
434825. QB 716.1. Cultivated. Seed.
434826. QB 716.2. Cultivated. Seed.
434827. QB 716.3. Cultivated. Seed.
434828. QB 716.4. Cultivated. Seed.
434829. QB 716.5. Cultivated. Seed.
434830. QB 716.6. Cultivated. Seed.
434831. QB 717.1. Cultivated. Seed.
434832. QB 717.2. Cultivated. Seed.
434833. QB 717.3. Cultivated. Seed.
434834. QB 717.4. Cultivated. Seed.
434835. QB 717.5. Cultivated. Seed.
434836. QB 717.6. Cultivated. Seed.
434837. QB 717.7. Cultivated. Seed.
434838. QB 717.8. Cultivated. Seed.
434839. QB 718.1. Cultivated. Seed.
434840. QB 718.2. Cultivated. Seed.
434841. QB 718.3. Cultivated. Seed.
434842. QB 718.4. Cultivated. Seed.
434843. QB 718.5. Cultivated. Seed.
434844. QB 718.6. Cultivated. Seed.
434845. QB 718.7. Cultivated. Seed.
434846. QB 718.8. Cultivated. Seed.
434847. QB 719.1. Cultivated. Seed.
434848. QB 719.2. Cultivated. Seed.

434731 TO 434854-continued

- 434849. QB 719.3. Cultivated. Seed.
- 434850. QB 719.4. Cultivated. Seed.
- 434851. QB 719.5. Cultivated. Seed.
- 434852. QB 720.1. Cultivated. Seed.
- 434853. QB 720.2. Cultivated. Seed.
- 434854. QB 721.1. Cultivated. Seed.

434855 TO 434856. *Lupinus albus* L. (Fabaceae) White lupine.

From New Zealand. Donated by N. J. Withers, Agronomy Department, Massey University, Palmerston North.
Received August 1979.

- 434855. 'Kali'. See PI 386098. Cultivated. Cultivar. Seed.
- 434856. 'Ultra'. See PI 386099. Cultivated. Cultivar. Seed.

434857 TO 434869. *Zea mays* L. (Poaceae) Field corn.

From China, Republic of. Donated by S. C. Chang, Corn Research Center, Tainan District Agricultural Improvement Station, Po-Tzu, Chia-1, Taiwan. Received through C. G. Schmitt, USDA, Plant Disease Research Lab., Frederick, Maryland.
Received July 1976.

- 434857. Tainan DMR Composite 1. Selected for downy mildew resistance. Originally from Taiwan, Philippines, Vietnam, Mexico, and United States. Cultivated. Breeding material. Seed.
- 434858. Tainan DMR Composite 2. Selected for downy mildew resistance. Originally from the Philippines. Cultivated. Breeding material. Seed.
- 434859. Tainan DMR Composite 3. Selected for downy mildew resistance. Originally from India. Cultivated. Breeding material. Seed.
- 434860. Tainan DMR Composite 4. Selected for downy mildew resistance. Originally from Taiwan. Kernels yellow. Cultivated. Breeding material. Seed.
- 434861. Tainan DMR Composite 5. Selected for downy mildew resistance. Originally from Taiwan. Kernels white. Cultivated. Breeding material. Seed.

434857 TO 434869-continued

434862. Tainan DMR Composite 6. Selected for downy mildew resistance. Originally from Taiwan. Kernels white. Maturity 75 days. Cultivated. Breeding material. Seed.
434863. Tainan DMR Composite 7. Selected for downy mildew resistance. Originally from Vietnam. Cultivated. Breeding material. Seed.
434864. Tainan DMR Composite 8. Selected for downy mildew resistance. Originally from Mexico. Cultivated. Breeding material. Seed.
434865. Tainan DMR Composite 9. Selected for downy mildew resistance. Originally from Japan. Cultivated. Breeding material. Seed.
434866. Tainan DMR Composite 10. Selected for downy mildew resistance. Originally from Indonesia. Cultivated. Breeding material. Seed.
434867. Tainan DMR Composite 11. Selected for downy mildew resistance. Originally from United States. Cultivated. Breeding material. Seed.
434868. Tainan DMR Composite 12. Tainan DMR Composite 1 x High-lysine syn. Selected for downy mildew resistance. Cultivated. Breeding material. Seed.
434869. Tainan DMR Composite 13. Tainan DMR Composite 11 x High-lysine syn. Selected for downy mildew resistance. Cultivated. Breeding material. Seed.

434870. *Agropyron scabrum* (Labill.) Beauv. (Poaceae).

From New Zealand. Donated by Grasslands Division, Department of Scientific and Industrial Research, Palmerston North.
Received August 1979.

BZ 1274. Collected 1973. Black Forest Station, Lake Benmore. 450m. Wild. Seed.

434871. *Hordeum vulgare* L. (Poaceae) Barley.

From Australia. Donated by B. J. Read, Agricultural Research Institute, Wagga Wagga, New South Wales.
Received August 1979.

WWB-18. Algeria. CPI 11083. Six-row type with blue aleurone. Outcrosses more than most barley. Matures earlier than 'Abyssinian'. Resistant to scald. Some

434871-continued

resistance to net blotch. Vegetative regrowth after grazing tolerates frost. Salt tolerant. Winter annual. Cultivated. Breeding material. Seed.

434872 TO 434876. *Triticum aestivum* L. (Poaceae) Common wheat.

From South Africa. Donated by R. de V. Pienaar, Department of Genetics, University of Stellenbosch, Stellenbosch 7600. Received April 1979.

434872. E2739-1-N-1-A-M. Flameks x Bella. Cultivated. Seed.

434873. E2748-5-N-1-A-M. Flameks x W66/135. Cultivated. Seed.

434874. E2752-1-M. Flameks x W66/135. Cultivated. Seed.

434875. SST 3-10-M. Calidad x Inia 66. Cultivated. Seed.

434876. 7964-2-5-4-M. Skemer x WW15. Cultivated. Seed.

434877 TO 434886. *Triticum durum* Desf. (Poaceae) Durum wheat.

From South Africa. Donated by R. de V. Pienaar, Department of Genetics, University of Stellenbosch, Stellenbosch 7600. Received April 1979.

434877. 6416-1-2-M. ISWRN 68/515 x ISWRN 68/494. Cultivated. Seed.

434878. 6869-17-5-M. ISWRN 68/443 x GA-A7. Cultivated. Seed.

434879. 6889-2-3-M. ISWRN 68/493 x ISWRN 60/27. Cultivated. Seed.

434880. 6889-5-4-2-1-1-M. ISWRN 68/493 x ISWRN 60/27. Cultivated. Seed.

434881. 7214-1-1-1-M. ISWRN 69/21 x CB 058 (DL/70/671). Cultivated. Seed.

434882. 7214-2-1-M. ISWRN 69/21 x CB 058 (DL/70/671). Cultivated. Seed.

434883. 7214-2-1-10-M. ISWRN 69/21 x CB 058 (DL/70/671). Cultivated. Seed.

434884. 7214-2-1-16-A-M. ISWRN 69/21 x CB 058 (DL/70/671). Cultivated. Seed.

434885. 7263-1-1-M. ISWRN 69/557 x ISWRN 68/515. Cultivated. Seed.

434877 TO 434886-continued

434886. 7265-1-1-M. ISWRN 69/558 x ISWRN 69/287. Cultivated. Seed.

434887 TO 434891. X Triticosecale (Poaceae) Triticale.

From South Africa. Donated by R. de V. Pienaar, Department of Genetics, University of Stellenbosch, Stellenbosch 7600. Received April 1979.

434887. 6340-2-1-3-1-M. (6TA 369 x 6TA 205) x (Stewart x Prolific). Cultivated. Seed.

434888. 7404-M-1-M. 6TA 312 x 6TA 203. Cultivated. Seed.

434889. 7409-15-1-2-M. 6TA 314 x 6TA 295. Cultivated. Seed.

434890. 7422-1-1-1-1-M. Cachirulo x 6TA 315. Cultivated. Seed.

434891. 7779-16-1-1-1-M. 6TA 312 x SSKR-1'S'. Cultivated. Seed.

434892. Rhus coriaria L. (Anacardiaceae) Sicilian sumac.

From Spain. Collected by C. Gomez-Campo, Catedratico de Fisiologia Vegetal, Escuela T. S. de Ingenieros Agronomos, Universidad Politecnica, Madrid-3. Received September 1979.

4482-76. On calcareous soil, Guadalajara Province. Wild. Seed.

434893 TO 434972. Triticum durum Desf. (Poaceae) Durum wheat.

From Egypt. Collected by E. E. Saari and A. S. Goma, International Maize and Wheat Improvement and Wheat Research Sec., Giza Agriculture Research Centers, Cairo. Received September 1979.

434893. Giza 1. Local collection 1978-79. Cultivated. Seed.

434894. Giza 2. Local collection 1978-79. Cultivated. Seed.

434895. Giza 3. Local collection 1978-79. Cultivated. Seed.

434896. Giza 4. Local collection 1978-79. Cultivated. Seed.

434897. Giza 5. Local collection 1978-79. Cultivated. Seed.

434898. Giza 6. Local collection 1978-79. Cultivated. Seed.

434893 TO 434972--continued

434899. Giza 7. Local collection 1978-79. Cultivated. Seed.
434900. Giza 8. Local collection 1978-79. Cultivated. Seed.
434901. Giza 9. Local collection 1978-79. Cultivated. Seed.
434902. Giza 10. Local collection 1978-79. Cultivated. Seed.
434903. Giza 11. Local collection 1978-79. Cultivated. Seed.
434904. Giza 12. Local collection 1978-79. Cultivated. Seed.
434905. Giza 13. Local collection 1978-79. Cultivated. Seed.
434906. Giza 14. Local collection 1978-79. Cultivated. Seed.
434907. Giza 15. Local collection 1978-79. Cultivated. Seed.
434908. Giza 16. Local collection 1978-79. Cultivated. Seed.
434909. Giza 17. Local collection 1978-79. Cultivated. Seed.
434910. Giza 18. Local collection 1978-79. Cultivated. Seed.
434911. Giza 19. Local collection 1978-79. Cultivated. Seed.
434912. Giza 20. Local collection 1978-79. Cultivated. Seed.
434913. Giza 21. Local collection 1978-79. Cultivated. Seed.
434914. Giza 22. Local collection 1978-79. Cultivated. Seed.
434915. Giza 23. Local collection 1978-79. Cultivated. Seed.
434916. Giza 24. Local collection 1978-79. Cultivated. Seed.
434917. Giza 25. Local collection 1978-79. Cultivated. Seed.
434918. Giza 26. Local collection 1978-79. Cultivated. Seed.
434919. Giza 27. Local collection 1978-79. Cultivated. Seed.
434920. Giza 28. Local collection 1978-79. Cultivated. Seed.
434921. Giza 29. Local collection 1978-79. Cultivated. Seed.
434922. Giza 30. Local collection 1978-79. Cultivated. Seed.
434923. Giza 31. Local collection 1978-79. Cultivated. Seed.
434924. Giza 32. Local collection 1978-79. Cultivated. Seed.

434893 TO 434972-continued

434925. Giza 33. Local collection 1978-79. Cultivated. Seed.
434926. Giza 34. Local collection 1978-79. Cultivated. Seed.
434927. Giza 35. Local collection 1978-79. Cultivated. Seed.
434928. Giza 36. Local collection 1978-79. Cultivated. Seed.
434929. Giza 37. Local collection 1978-79. Cultivated. Seed.
434930. Giza 38. Local collection 1978-79. Cultivated. Seed.
434931. Giza 39. Local collection 1978-79. Cultivated. Seed.
434932. Giza 40. Local collection 1978-79. Cultivated. Seed.
434933. Giza 41. Local collection 1978-79. Cultivated. Seed.
434934. Giza 42. Local collection 1978-79. Cultivated. Seed.
434935. Giza 43. Local collection 1978-79. Cultivated. Seed.
434936. Giza 44. Local collection 1978-79. Cultivated. Seed.
434937. Giza 45. Local collection 1978-79. Cultivated. Seed.
434938. Giza 46. Local collection 1978-79. Cultivated. Seed.
434939. Giza 47. Local collection 1978-79. Cultivated. Seed.
434940. Giza 48. Local collection 1978-79. Cultivated. Seed.
434941. Giza 49. Local collection 1978-79. Cultivated. Seed.
434942. Giza 50. Local collection 1978-79. Cultivated. Seed.
434943. Giza 51. Local collection 1978-79. Cultivated. Seed.
434944. Giza 52. Local collection 1978-79. Cultivated. Seed.
434945. Giza 53. Local collection 1978-79. Cultivated. Seed.
434946. Giza 54. Local collection 1978-79. Cultivated. Seed.
434947. Giza 55. Local collection 1978-79. Cultivated. Seed.
434948. Giza 56. Local collection 1978-79. Cultivated. Seed.
434949. Giza 57. Local collection 1978-79. Cultivated. Seed.
434950. Giza 58. Local collection 1978-79. Cultivated. Seed.

434893 TO 434972-continued

- 434951. Giza 59. Local collection 1978-79. Cultivated. Seed.
- 434952. Giza 60. Local collection 1978-79. Cultivated. Seed.
- 434953. Giza 61. Local collection 1978-79. Cultivated. Seed.
- 434954. Giza 62. Local collection 1978-79. Cultivated. Seed.
- 434955. Giza 63. Local collection 1978-79. Cultivated. Seed.
- 434956. Giza 64. Local collection 1978-79. Cultivated. Seed.
- 434957. Giza 65. Local collection 1978-79. Cultivated. Seed.
- 434958. Giza 66. Local collection 1978-79. Cultivated. Seed.
- 434959. Giza 67. Local collection 1978-79. Cultivated. Seed.
- 434960. Giza 68. Local collection 1978-79. Cultivated. Seed.
- 434961. Giza 69. Local collection 1978-79. Cultivated. Seed.
- 434962. Giza 70. Local collection 1978-79. Cultivated. Seed.
- 434963. Giza 71. Local collection 1978-79. Cultivated. Seed.
- 434964. Giza 72. Local collection 1978-79. Cultivated. Seed.
- 434965. Giza 73. Local collection 1978-79. Cultivated. Seed.
- 434966. Giza 74. Local collection 1978-79. Cultivated. Seed.
- 434967. Giza 75. Local collection 1978-79. Cultivated. Seed.
- 434968. Giza 76. Local collection 1978-79. Cultivated. Seed.
- 434969. Giza 77. Local collection 1978-79. Cultivated. Seed.
- 434970. Giza 78. Local collection 1978-79. Cultivated. Seed.
- 434971. Giza 79. Local collection 1978-79. Cultivated. Seed.
- 434972. Giza 80. Local collection 1978-79. Cultivated. Seed.

434973 TO 434983. Glycine max (L.) Merr. (Fabaceae) Soybean.

From Nigeria. Donated by International Institute of Tropical
Agriculture, Ibadan.
Received September 1979.

- 434973. TGM 107. Malayan. Local type. Promiscuous nodulation.

434973 TO 434983--continued

Cultivated. Seed.

434974. TGm 119. Seminole. China, Peoples Repub of. See PI 93058. Promiscuous nodulation. Cultivated. Seed.

434975. TGm 120. S 3. Promiscuous nodulation. Cultivated. Seed.

434976. TGm 344. Cultivated. Seed.

434977. TGm 579. M-351. Promiscuous nodulation. Cultivated. Seed.

434978. TGm 623. Indonesia. Indo 9. Seed longevity good. Cultivated. Seed.

434979. TGm 662. Indonesia. Indo 100. Seed longevity good. Promiscuous nodulation. Cultivated. Seed.

434980. TGm 710. Central African Rep. Indo 180. Promiscuous nodulation. Cultivated. Seed.

434981. TGm 730. Central African Rep. Indo 226. Seeds black. Promiscuous nodulation. Cultivated. Seed.

434982. TGm 739. Indonesia. Indo 246. Seed longevity good. Cultivated. Seed.

434983. TGm 918. Crba. Promiscuous nodulation. Cultivated. Seed.

434984 TO 434985. Phalaris aquatica L. (Poaceae) Bulbous canarygrass.

From Australia. Donated by R. N. Oram, Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra City.
Received September 1979.

434984. 'Sirolan'. Bred by Oram, Hackett, and Hoen, CSIRO, Canberra from 'Sirocco' and selections from crosses of 'Australian', CPI 15022 (Turkey) and 26 introductions from the Mediterranean Region. Developed for the drier marginal areas of eastern and southern Australia. Perennial herb. Cultivated. Cultivar. Seed.

434985. 'Siroso'. Bred by McWilliam and Schroeder, CSIRO, Canberra from a wide range of Mediterranean ecotypes. Wide adaptability. Perennial herb. Cultivated. Cultivar. Seed.

434986 TO 434987. Triticum aestivum L. (Poaceae) Common wheat.

From Netherlands. Donated by A. C. Zeven, Institute of Plant Breeding, Agricultural University, Wageningen.

434986 TO 434987--continued
Received August 1979.

434986. Uruguay. Estanzuela Tarariras. Facultative annual.
Cultivated. Landrace. Seed.

434987. Uruguay. Estanzuela Young. Facultative annual.
Cultivated. Landrace. Seed.

434988 TO 434989. *Cenchrus ciliaris* L. (Poaceae) Buffelgrass.

From South Africa. Collected by A. J. Oakes and E. C. Bashaw,
Germplasm Resources Lab., USDA Agricultural Res. Ctr. and Soil &
Crop Sci. Dept., Texas A & M Univ., Beltsville, Maryland and
College Station, Texas.

Received July 1978.

434988. Cape Province. Plants.

434989. Cape Province. Seed of PI 434988. Seed.

434990 TO 434991. *Digitaria* sp. (Poaceae).

From South Africa. Collected by A. J. Oakes and E. C. Bashaw,
Germplasm Resources Lab., USDA Agricultural Res. Ctr., and Soil &
Crop Sci. Dept., Texas A & M Univ., Beltsville, Maryland and
College Station, Texas.

Received September 1979.

434990. Cape Province. Stoloniferous. Perennial herb. Stolons.

434991. Cape Province. Stoloniferous. Perennial herb. Stolons.

434992 TO 434999. *Triticum dicoccon* Schrank (Poaceae) Emmer.

From Yugoslavia. Donated by L. Pavicevic, Poljoprivredni Insitut,
Titograd.

Received April 1979.

434992. 62. Yugoslavia. Vranic, Niksic Region. Krupnik type.
Facultative annual. Cultivated. Seed.

434993. 63. Yugoslavia. Vranic, Niksic Region. Krupnik type.
Facultative annual. Cultivated. Seed.

434994. 64. Yugoslavia. Zupa-Ducic, Niksic Region. Krupnik type.
Facultative annual. Cultivated. Seed.

434995. 65. Yugoslavia. Lug, Trebinje area. Krupnik type.
Facultative annual. Cultivated. Seed.

434992 TO 434999--continued

- 434996.** 66. Yugoslavia. Otilovic, Pljevlja Region. Krupnik type. Facultative annual. Cultivated. Seed.
- 434997.** 67. Yugoslavia. Crvljenica, Pljevlja Region. Krupnik type. Facultative annual. Cultivated. Seed.
- 434998.** 68. Yugoslavia. Zavajt, Celebici Region. Krupnik type. Facultative annual. Cultivated. Seed.
- 434999.** 69. Yugoslavia. Kule Fazlagica, Gacko Region. Krupnik type. Facultative annual. Cultivated. Seed.

435000 TO 435001. Triticum monococcum L. (Poaceae) Einkorn.

From Yugoslavia. Donated by L. Pavicevic, Poljoprivredni Insitut, Titograd.

Received April 1979.

- 435000.** 60. Yugoslavia. Kosov Lug, Danilovgrad Region. Krupnik type. Winter annual. Cultivated. Seed.
- 435001.** 61. Yugoslavia. Lug, Trebinje area. Krupnik type. Winter annual. Cultivated. Seed.

435002 TO 435060. Triticum sp. (Poaceae).

From Yugoslavia. Donated by L. Pavicevic, Poljoprivredni Insitut, Titograd.

Received April 1979.

- 435002.** 1. Yugoslavia. Tejan, Krajina Region. Rogosija type. Winter annual. Cultivated. Seed.
- 435003.** 2. Yugoslavia. Vuksan-Lekic, Tuzi Region. Rogosija type. Winter annual. Cultivated. Seed.
- 435004.** 3. Yugoslavia. Sestan. Rogosija type. Winter annual. Cultivated. Seed.
- 435005.** 4. Yugoslavia. Zoganj, Ulcinj Region. Rogosija type. Winter annual. Cultivated. Seed.
- 435006.** 5. Yugoslavia. Sukobina. Rogosija type. Winter annual. Cultivated. Seed.
- 435007.** 6. Yugoslavia. Becic, Budva Region. Rogosija type. Winter annual. Cultivated. Seed.
- 435008.** 7. Yugoslavia. Cukovac. Rogosija type. Winter annual. Cultivated. Seed.

435002 TO 435060--continued

435009. 8. Yugoslavia. Tejan, Krajina Region. Rogosija type. Winter annual. Cultivated. Seed.
435010. 9. Yugoslavia. Livar. Rogosija type. Winter annual. Cultivated. Seed.
435011. 10. Yugoslavia. Klezna, Ulcinj Region. Rogosija type. Winter annual. Cultivated. Seed.
435012. 11. Yugoslavia. Livar. Rogosija type. Winter annual. Cultivated. Seed.
435013. 12. Yugoslavia. Mrkojevic. Rogosija type. Winter annual. Cultivated. Seed.
435014. 13. Yugoslavia. Cepetic. Rogosija type. Winter annual. Cultivated. Seed.
435015. 14. Yugoslavia. Karanikic. Rogosija type. Winter annual. Cultivated. Seed.
435016. 15. Yugoslavia. Spinja, Tuzi Region. Rogosija type. Winter annual. Cultivated. Seed.
435017. 16. Yugoslavia. Spinja, Tuzi Region. Rogosija type. Winter annual. Cultivated. Seed.
435018. 17. Yugoslavia. Vuksan, Lekic Region. Rogosija type. Winter annual. Cultivated. Seed.
435019. 18. Yugoslavia. Golubovac. Rogosija type. Winter annual. Cultivated. Seed.
435020. 19. Yugoslavia. Zeta. Rogosija type. Winter annual. Cultivated. Seed.
435021. 20. Yugoslavia. Buronja. Rogosija type. Winter annual. Cultivated. Seed.
435022. 21. Yugoslavia. Sotonjic. Rogosija type. Winter annual. Cultivated. Seed.
435023. 22. Yugoslavia. Martinic. Rogosija type. Winter annual. Cultivated. Seed.
435024. 23. Yugoslavia. Kokot. Rogosija type. Winter annual. Cultivated. Seed.
435025. 24. Yugoslavia. Ubali, Kuci Region. Rogosija type. Winter annual. Cultivated. Seed.
435026. 25. Yugoslavia. Gornji Kokoti. Rogosija type. Winter

435002 TO 435060—continued

- annual. Cultivated. Seed.
435027. 26. Yugoslavia. Krus. Rogosija type. Winter annual. Cultivated. Seed.
435028. 27. Yugoslavia. Mrkojevicko polje. Grbljanka type. Winter annual. Cultivated. Seed.
435029. 28. Yugoslavia. Majina. Zutarica type. Winter annual. Cultivated. Seed.
435030. 29. Yugoslavia. Brajici. Rogosija type. Winter annual. Cultivated. Seed.
435031. 30. Yugoslavia. Kamenicki Most. Grbljanka type. Winter annual. Cultivated. Seed.
435032. 31. Yugoslavia. Ubali, Kuci Region. Rogosija type. Winter annual. Cultivated. Seed.
435033. 32. Yugoslavia. Gornji Seoci. Rogosija type. Winter annual. Cultivated. Seed.
435034. 33. Yugoslavia. Martinic. Rogosija type. Winter annual. Cultivated. Seed.
435035. 34. Yugoslavia. Rijeka Crnojevici. Rogosija type. Winter annual. Cultivated. Seed.
435036. 35. Yugoslavia. Vranic. Rogosija type. Winter annual. Cultivated. Seed.
435037. 36. Yugoslavia. Curcici (Pjesivci). Rogosija type. Winter annual. Cultivated. Seed.
435038. 37. Yugoslavia. Bojka. Rogosija type. Winter annual. Cultivated. Seed.
435039. 38. Yugoslavia. Bojka. Rogosija type. Winter annual. Cultivated. Seed.
435040. 39. Yugoslavia. Dobre Vode. Rogosija type. Winter annual. Cultivated. Seed.
435041. 40. Yugoslavia. Sustas. Rogosija type. Winter annual. Cultivated. Seed.
435042. 41. Yugoslavia. Tudjemila, Bar Region. Rogosija type. Winter annual. Cultivated. Seed.
435043. 42. Yugoslavia. Cijevna. Rogosija type. Winter annual. Cultivated. Seed.

435002 TO 435060—continued

435044. 43. Yugoslavia. Police. Rogosija type. Winter annual. Cultivated. Seed.
435045. 44. Yugoslavia. Trebinje. Rogosija type. Winter annual. Cultivated. Seed.
435046. 45. Yugoslavia. Trebinje area. Rogosija type. Winter annual. Cultivated. Seed.
435047. 46. Yugoslavia. Grab, Zupci Region. Rogosija type. Winter annual. Cultivated. Seed.
435048. 47. Yugoslavia. Vodice near Trebinje. Velja type. Winter annual. Cultivated. Seed.
435049. 48. Yugoslavia. Lug, Trebinje. Rogosija type. Winter annual. Cultivated. Seed.
435050. 49. Yugoslavia. Kotez. Rogosija type. Winter annual. Cultivated. Seed.
435051. 50. Yugoslavia. Poplat, Stolac Region. Rogosija type. Winter annual. Cultivated. Seed.
435052. 51. Yugoslavia. Poplat, near Stoca. Rogosija type. Winter annual. Cultivated. Seed.
435053. 52. Yugoslavia. Berkovic. Rogosija type. Winter annual. Cultivated. Seed.
435054. 53. Yugoslavia. Pastrojevic, Petrovac Region. Rogosija type. Winter annual. Cultivated. Seed.
435055. 54. Yugoslavia. Dubravka, Herceg-Novi area. Rogosija type. Winter annual. Cultivated. Seed.
435056. 55. Yugoslavia. Konavli, Dubrovnik Region. Rogosija type. Winter annual. Cultivated. Seed.
435057. 56. Yugoslavia. Dolji, Dubrovnik Region. Rogosija type. Winter annual. Cultivated. Seed.
435058. 57. Yugoslavia. Donji Grblji. Rogosija type. Winter annual. Cultivated. Seed.
435059. 58. Yugoslavia. Kotez, Ljubinje Region. Rogosija type. Winter annual. Cultivated. Seed.
435060. 59. Yugoslavia. Donji Grblji. Rogosija type. Winter annual. Cultivated. Seed.

435061. *Hordeum vulgare* L. (Poaceae) Barley.

From Germany, Federal Rep of. Donated by E. Rehse, Zuchtstation
Wetze F. Von Lochow-Petkus GMBH, Northeim.
Received September 1979.

'Detto'.

435062 TO 435063. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Senegal. Donated by J. Gautreau, Centre National De
Recherches Agronomiques, Institut Senegalais De Recherches
Agricoles, Bambey.
Received July 1979.

435062. 'Senegal 55-437'. Resistant to contamination by
Aspergillus flavus Link. Cultivar. Seed.

435063. 'Senegal 70-112'. Resistant to contamination by
Aspergillus flavus Link. Cultivar. Seed.

435064 TO 435069. *Opuntia* sp. (Cactaceae).

From South Africa. Donated by G. C. de Kock, Dept. of
Agricultural Technical Services, Grootfontein, College of
Agriculture and Res. Institute, Middelburg, C. P.
Received through Plant Introduction officer, Div.
of Plant and Seed Control, Pretoria.
Received September 1979.

435064. 'Bakensklip'. Spineless. Cultivar. Cuttings.

435065. 'Coetzer'. Spineless. Cultivar. Cuttings.

435066. 'Dirckteur'. Spineless. Cultivar. Cuttings.

435067. 'Elandsdrif'. Spineless. Cultivar. Cuttings.

435068. 'Fusicaulis O.P.'. Spineless. Cultivar. Cuttings.

435069. 'Van Heerden'. Spineless. Cultivar. Cuttings.

**435070 TO 435071. *Solanum acaule* var. *aemulans* (Bitt. & Wittm.) Corr.
(Solanaceae).**

From Argentina. Collected by K. A. Okada and W. Hoffman, INTA
Estacion Experimental de Balcarce, Balcarce.
Received October 1979.

435070. OKA 4364. Argentina. Balcarce. INTA Estacion
Experimental de Balcarce. BAL 72165. Collected March 21,

435070 TO 435071-continued

1972. Jujuy Province, Tilcara Yuto Pampa area. 3800m.
Wild. Seed.

435071. OKA 4412. Argentina. Balcarce. INTA Estacion
Experimental de Balcarce. BAL 72210. Collected March 24,
1972. Jujuy Province, Tilcara, Piedra Parada area. 3700m.
Wild. Seed.

435072. Solanum boliviense Dunal (Solanaceae).

From Argentina. Collected by K. A. Okada and W. Hoffman, INTA
Estacion Experimental de Balcarce, Balcarce.
Received October 1979.

OKA 5823A. Argentina. Balcarce. INTA Estacion
Experimental de Balcarce. BAL 74434A. Collected April 22,
1974. Salta Province, Santa Victoria. 3800m. Wild. Seed.

**435073 TO 435074. Solanum leptophyes f. gourlayi (Hawkes) Corr.
(Solanaceae).**

From Argentina. Collected by K. A. Okada and W. Hoffman, INTA
Estacion Experimental de Balcarce, Balcarce.
Received October 1979.

435073. OKA 4332. Argentina. Balcarce. INTA Estacion
Experimental de Balcarce. BAL 4332. Collected March 17,
1972. Jujuy Province, Tumbaya, quebrada de Estancia
Grande. 3300m. Wild. Seed.

435074. OKA 4347. Argentina. Balcarce. INTA Estacion
Experimental de Balcarce. BAL 72148. Jujuy Province,
Tumbaya, quebrada de Sepulturas. 3100m. Wild. Seed.

435075 TO 435076. Solanum infundibuliforme Phil. (Solanaceae).

From Argentina. Collected by K. A. Okada and W. Hoffman, INTA
Estacion Experimental de Balcarce, Balcarce.
Received October 1979.

435075. Hof 1606. Argentina. Balcarce. INTA Estacion
Experimental de Balcarce. BAL 7021. Jujuy Province,
Humahuaca, Esquinas Blancas. 3500m. Wild. Seed.

435076. Oka 3685 x 3714. Argentina. Balcarce. INTA Estacion
Experimental de Balcarce. BAL 717 x 7121. Jujuy Province,
Santa Catalina. 3895-4000m. Wild. Seed.

435077 TO 435078. *Solanum megistacrolobum* Bitter (Solanaceae).

From Argentina. Collected by K. A. Okada and W. Hoffman, INTA Estacion Experimental de Balcarce, Balcarce.
Received October 1979.

435077. Oka 3787. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7159. Collected February 24, 1971. Salta Province, Chicoana, Valle Encantado. 3500m. Wild. Seed.

435078. Oka 3915 x 3916A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71124 x 71125A. Jujuy Province, Santa Catalina. Wild. Seed.

435079 TO 435080. *Solanum oplocense* Hawkes (Solanaceae).

From Argentina. Collected by K. A. Okada and W. Hoffman, INTA Estacion Experimental de Balcarce, Balcarce.
Received October 1979.

435079. Oka 3829. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7186. Collected April 02, 1971. Jujuy Province, Humahuaca, quebrada de la Soledad. 3300m. Wild. Seed.

435080. Oka 3948. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71156. Jujuy Province, Santa Catalina, El Angosto. 3680m. Wild. Seed.

435081 TO 435083. *Solanum* hybrid (Solanaceae).

From Canada. Donated by L. A. Dionne, Department of Biology, University of New Brunswick, Fredericton, New Brunswick.
Received October 1979.

435081. L. A. Dionne. Dionne s. n. (1). (*S. acaule* x *S. bulbocastanum*) colchicine doubled (6x) x self. Breeding material. Seed.

435082. L. A. Dionne. Dionne s. n. (2). (*S. acaule* x *S. pinnatisectum*) colchicine doubled (6x) x self. Breeding material. Seed.

435083. L. A. Dionne. Dionne s. n. (3). (*S. stoloniferum* x *S. stenotomum*) colchicine doubled (6x) x self. Breeding material. Seed.

435084. *Caragana microphylla* Lam. (Fabaceae) Littleleaf pea-shrub.

From China, Peoples Repub of. Collected by T. W. Box, College of

435084-continued

Natural Resources, Utah State University, Logan. Received through Institute of Desert Research, Academia Sinica, Lanchow. Received September 1979.

Used for sand dune stabilization. Perennial woody. Cultivated. Seed.

435085. Citrullus lanatus (Thunb.) Matsum. & Nakai (Cucurbitaceae) Watermelon.

From China, Peoples Repub of. Collected by T. W. Box, College of Natural Resources, Utah State University, Logan. Received September 1979.

Collected August 12, 1979. State Farm 150. Dzungarian Basin, Xinjiang Province. Seeds red. Flesh pink. Marketed in Hong Kong. Cultivated. Seed.

435086 TO 435087. Cucumis melo L. (Cucurbitaceae) Muskmelon.

From China, Peoples Repub of. Collected by T. W. Box, College of Natural Resources, Utah State University, Logan. Received September 1979.

435086. Collected August 10, 1979. Turfan Depression, Xinjiang Province. Fruit elongated. Flesh similar to honey dew melon. Hamid type. Cultivated. Seed.

435087. Collected August 10, 1979. Turfan Depression, Xinjiang Province. Fruit elongated. Flesh similar to honey dew melon. Hamid type. Cultivated. Seed.

435088. Elymus sp. (Poaceae).

From China, Peoples Repub of. Collected by T. W. Box, College of Natural Resources, Utah State University, Logan. Received September 1979.

Collected August 16, 1979. Ninshan, Xinjiang Province. Wild. Seed.

435089. Hedysarum sp. (Fabaceae).

From China, Peoples Repub of. Collected by T. W. Box, College of Natural Resources, Utah State University, Logan. Received through Institute of Desert Research, Academia Sinica, Lanchow. Received September 1979.

Used for sand dune stabilization. Received as H.

435089-continued

scoparium Fisch. et Mey. Perennial woody. Cultivated.
Seed.

435090. *Hordeum vulgare* L. (Poaceae) Barley.

From China, Peoples Repub of. Collected by T. W. Box, College of
Natural Resources, Utah State University, Logan.
Received September 1979.

Collected August 14, 1979. Minshan, Xinjiang Province.
Six row type. Cultivated. Seed.

435091 TO 435092. *Triticum aestivum* L. (Poaceae) Common wheat.

From China, Peoples Repub of. Collected by T. W. Box, College of
Natural Resources, Utah State University, Logan.
Received September 1979.

435091. Collected August 10, 1979. Turfan Depression, Xinjiang
Province. Cultivated. Seed.

435092. Collected August 13, 1979. Urumuchi, Xinjiang Province.
Cultivated. Seed.

435093. *Buxus microphylla* var. *koreana* Nakai ex. Rehder (Buxaceae).

From United States. Donated by D. D. Dolan, Northeast Regional
Plant Introduction Station, New York Agricultural Experiment
Station, Geneva, New York.
Received September 1979.

G 18177. 'Francis Prideaux'. Collected November 07, 1967.
South side of Main Street, Danville, New York. Originally
introduced from Korea before 1900 by Kelly Bros Nursery,
Danville, New York. Winter hardy at Durham, New Hampshire.
Growth fast. Leaves large with good green color.
Perennial woody. Cultivated. Cuttings.

435094. *Cucurbita foetidissima* H.B.K. (Cucurbitaceae) Buffalo gourd.

From United States. Donated by J. Hartline, Chantilly, Virginia.
Received September 1979.

Collected August 08, 1979. White Sands Missile Range,
New Mexico, hwy 54, 65km NW of El Paso, Texas. Plant
isolated, vigorous. Fruit oblate-globular, hard, slightly
ribbed at base and apex, 3-loculed, early green with
longitudinal bands of greenish yellow, later bright
yellow, 7cm in diameter. Wild. Seed.

435095 TO 435098. Triticum aestivum L. (Poaceae) Common wheat.

From Hungary. Donated by Agroimpex, IKR, Babolna. Received through J. A. Hill, American Agricultural Industries, Inc., Rosemont, Illinois. Code numbers refer to Mortonvasar designations.

Received October 1978.

435095. MV 4. Hybrid. Winter annual. Seed.

435096. MV 5. Hybrid. Winter annual. Seed.

435097. MV 6. Hybrid. Winter annual. Seed.

435098. MV 8. Hybrid. Winter annual. Seed.

435099 TO 435125. Triticum aestivum L. (Poaceae) Common wheat.

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing. Received through The Chinese Crop Germplasm Resources Study Group.

Received August 1978.

435099. Bai Quan No. 5. Cultivated. Seed.

435100. Bian Sui. Cultivated. Seed.

435101. Chu Shan Bao. Cultivated. Seed.

435102. Da Tou Huang. Cultivated. Seed.

435103. Ding Xian 72. Cultivated. Seed.

435104. Fu Mai No. 4. Cultivated. Seed.

435105. Hong Tu. Cultivated. Seed.

435106. Hong Tu Tou. Cultivated. Seed.

435107. Huai Shu 701. Cultivated. Seed.

435108. Jing Xuan No. 4. Cultivated. Seed.

435109. Liang Guang Tou. Cultivated. Seed.

435110. Ma Zha Mai. Cultivated. Seed.

435111. Nei Mai No. 2. Cultivated. Seed.

435112. Nong Da 183. Cultivated. Seed.

435113. Ping Yuan 50. Cultivated. Seed.

435099 TO 435125-continued

- 435114. Qi Da 195. Cultivated. Seed.
- 435115. Shi Huai No. 2. Cultivated. Seed.
- 435116. Wan Nian No. 2. Cultivated. Seed.
- 435117. Wen Ge No. 1. Cultivated. Seed.
- 435118. Wu Mai No. 1. Cultivated. Seed.
- 435119. Wu Mang Mao Mao Mai. Cultivated. Seed.
- 435120. Wu Xing No. 1. Cultivated. Seed.
- 435121. Xiang Mai No. 4. Cultivated. Seed.
- 435122. Xu Zhou 14. Cultivated. Seed.
- 435123. Xu Zhou 15. Cultivated. Seed.
- 435124. You Zi Mai. Cultivated. Seed.
- 435125. Zheng Zhou 683. Cultivated. Seed.

435126 TO 435133. *Triticum aestivum* L. (Poaceae) Common wheat.

From Spain. Donated by J. Pinochet, AGRAR S. A., Zaragoza 14.
Received October 1979.

- 435126. 'Boulmiche'. Cultivated. Cultivar. Seed.
- 435127. 'Cierzo'. Cultivated. Cultivar. Seed.
- 435128. 'Oroel'. Cultivated. Cultivar. Seed.
- 435129. 'Talento'. Cultivated. Cultivar. Seed.
- 435130. H-77215C. Cultivated. Breeding material. Seed.
- 435131. H-78216. Cultivated. Breeding material. Seed.
- 435132. H-78270. Cultivated. Breeding material. Seed.
- 435133. H-78322. Cultivated. Breeding material. Seed.

435134. *Medicago sativa* L. (Fabaceae) Alfalfa.

From Lebanon. Donated by S. Abu-Shakra, Faculty of Agricultural &
Food Sciences, American University of Beirut, Beirut.
Received October 1979.

435134-continued

'Hasawi'. Saudi Arabia. Cultivated ecotype. Seed.

435135 TO 435171. *Coffea arabica* L. (Rubiaceae) Coffee.

From Costa Rica. Donated by P. G. Sylvain, Centro Agronomico Tropical de Investigacion y Ensenanza, Turrialba.
Received January 1979.

- 435135. T.984. San Ramon. Perennial woody. Cultivated. Seed.
- 435136. T.987. Purpurascens. Perennial woody. Cultivated. Seed.
- 435137. T.992. Padang. Perennial woody. Cultivated. Seed.
- 435138. T.1870. San Ramon Gigante. Perennial woody. Cultivated. Seed.
- 435139. T.2140. Leroy. Perennial woody. Cultivated. Seed.
- 435140. T.2147. Murta. Perennial woody. Cultivated. Seed.
- 435141. T.2251. Batie 2. Perennial woody. Cultivated. Seed.
- 435142. T.2397. Columnaris. Perennial woody. Cultivated. Seed.
- 435143. T.2401. Fantgoer. Perennial woody. Cultivated. Seed.
- 435144. T.3025. Villasarchi. Perennial woody. Cultivated. Seed.
- 435145. T.3386. Caturra amarillo. Perennial woody. Cultivated. Seed.
- 435146. T.4251. Abisinia grano largo. Perennial woody. Cultivated. Seed.
- 435147. T.4385. S. 6 Cioiccie 113/2. Perennial woody. Cultivated. Breeding material. Seed.
- 435148. T.4500. E-36(1-1). Perennial woody. Cultivated. Breeding material. Seed.
- 435149. T.4502. E-38(1-4). Perennial woody. Cultivated. Breeding material. Seed.
- 435150. T.4527. E-70(1-2). Perennial woody. Cultivated. Breeding material. Seed.
- 435151. T.4585. E-327(1-3). Perennial woody. Cultivated. Breeding material. Seed.
- 435152. T.4586. E-328(1-4). Perennial woody. Cultivated.

435135 TO 435171-continued

- Breeding material. Seed.
435153. T.4892. E-524(2-2). Perennial woody. Cultivated.
Breeding material. Seed.
435154. T.4906. E-537(1-4). Perennial woody. Cultivated.
Breeding material. Seed.
435155. T.4919. E-550(2-3). Perennial woody. Cultivated.
Breeding material. Seed.
435156. T.4920. E-551(1-1). Perennial woody. Cultivated.
Breeding material. Seed.
435157. T.4922. E-553(1-1). Perennial woody. Cultivated.
Breeding material. Seed.
435158. T.4927. E-559(2-1). Perennial woody. Cultivated.
Breeding material. Seed.
435159. T.4930. E-562(1-2). Perennial woody. Cultivated.
Breeding material. Seed.
435160. T.4931. E-563(1-1). Perennial woody. Cultivated.
Breeding material. Seed.
435161. T.4940. E-572(2-2). Perennial woody. Cultivated.
Breeding material. Seed.
435162. T.5025. S. 17 Irgalem (CIFC 67/11). Perennial woody.
Cultivated. Breeding material. Seed.
435163. T.5059. IH-170(1-1). Perennial woody. Cultivated.
Breeding material. Seed.
435164. T.5062. IH-161 Pl.9 (CIFC 1564/16). Perennial woody.
Cultivated. Breeding material. Seed.
435165. T.5066. Geisha T.2722(4-1). Perennial woody. Cultivated.
Breeding material. Seed.
435166. T.5155. Caturra amarillo x Hibrido de Timor (CENICAFE).
Perennial woody. Cultivated. Breeding material. Seed.
435167. T.5156-2-2. Caturra x S. 12 Kaffa. Perennial woody.
Cultivated. Breeding material. Seed.
435168. T.5169. S. 4 Agaro 110/5. Perennial woody. Cultivated.
Seed.
435169. T.5267. Catuai rojo. Perennial woody. Cultivated. Seed.
435170. T.5268. Catuai amarillo. Perennial woody. Cultivated.

435135 TO 435171-continued
Seed.

435171. T.5270. Bourbon resistente a llaga macana. Perennial woody. Cultivated. Seed.

435172 TO 435192. Coffea arabica L. (Rubiaceae) Coffee.

From Brazil. Donated by G.M. Chaves, Setor de Fitopatologia, Universidade Federal de Vicosa, Minas Gerais. Code numbers refer to selected progenies of Caturra x Hibrido de Timor (Catimor). Received February 1979.

435172. UFV 2323. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.

435173. UFV 2326. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.

435174. UFV 2328. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.

435175. UFV 2410. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.

435176. UFV 2412. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.

435177. UFV 2760. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.

435178. UFV 2762. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.

435179. UFV 2768. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.

435180. UFV 2773. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.

435181. UFV 2776. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.

435172 TO 435192--continued

- 435182.** UFV 2777. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.
- 435183.** UFV 3000. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.
- 435184.** UFV 3001. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.
- 435185.** UFV 3005. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.
- 435186.** UFV 3800. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.
- 435187.** UFV 3801. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.
- 435188.** UFV 3830. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.
- 435189.** UFV 3831. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.
- 435190.** UFV 3832. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.
- 435191.** UFV 3930. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.
- 435192.** UFV 3931. Expected to have a high level of resistance to coffee rust (*Hemileia vastatrix*). Yield high. Perennial woody. Cultivated. Breeding material. Seed.

435193 TO 435198. *Rhus coriaria* L. (Anacardiaceae) Sicilian sumac.

From Syria. Donated by International Center for Agricultural Research in the Dry Areas, Aleppo.

Received October 1979.

435193. Collected July 16, 1979. Medanki, Aleppo Province.

435193 TO 435198-continued

Perennial woody. Wild. Seed.

435194. Collected August 01, 1979. Amerieh, Tartous Province.
Perennial woody. Wild. Seed.
435195. Collected August 05, 1979. Shabtalieh, Lattakia Province.
Perennial woody. Wild. Seed.
435196. Collected August 15, 1979. Traize, Homs Province.
Perennial woody. Wild. Seed.
435197. Collected September 09, 1979. Qalamoun Hights, Damascus
Province. Perennial woody. Wild. Seed.
435198. Collected September 09, 1979. Qalamoun Hights, Damascus
Province. Perennial woody. Wild. Seed.

435199 TO 435209. *Saccharum officinarum* L. (Poaceae) Sugarcane.

From Argentina. Donated by F. A. Fogliata, Instituto Nacional de
Tecnologia Agropecuaria (INTA), Famailla, Tucuman Province.
Received October 1979.

435199. 'FAM 63-8'. Perennial herb. Cultivar. Cuttings.
435200. 'NA 56-30'. Perennial herb. Cultivar. Cuttings.
435201. 'NA 56-62'. Perennial herb. Cultivar. Cuttings.
435202. 'NA 56-79'. Perennial herb. Cultivar. Cuttings.
435203. 'NA 63-90'. Perennial herb. Cultivar. Cuttings.
435204. 'NA 69-163'. Perennial herb. Cultivar. Cuttings.
435205. 'TUC 67-24'. Perennial herb. Cultivar. Cuttings.
435206. 'TUC 68-18'. Perennial herb. Cultivar. Cuttings.
435207. 'TUC 68-19'. Perennial herb. Cultivar. Cuttings.
435208. 'TUC 69-2'. Perennial herb. Cultivar. Cuttings.
435209. 'TUC 69-107'. Perennial herb. Cultivar. Cuttings.

435210 TO 435215. *Coffea arabica* L. (Rubiaceae) Coffee.

From Argentina. Donated by J. P. Fablet, CARBA S.A., Buenos Aires.
Received October 1979.

435210. No. I. Selection from Mondo Novo, original seeds from

435210 TO 435215—continued

Campinas, Brazil. Slight frost damage in 1972 and none under shadeless conditions in 1975. Susceptible to leaf rust. Perennial woody. Cultivated. Breeding material. Seed.

435211. No. II. Selection from Mondo Novo, original seeds from Campinas, Brazil. Tolerant under shadeless conditions to frost in 1975. Perennial woody. Cultivated. Breeding material. Seed.

435212. No. III. Selection from Kent KP 423, original seeds from Turrialba, Costa Rica. Tolerant under shadeless conditions to frost in 1975. Perennial woody. Cultivated. Breeding material. Seed.

435213. No. IV. Selection from Caturra, original seeds from CENICAFFE, Columbia. Tolerant under moderate shade to cold. Perennial woody. Cultivated. Breeding material. Seed.

435214. No. V. Selection from Mondo Novo, original seeds from Campinas, Brazil. No frost damage under shaded conditions. Plant vigorous, productive. Perennial woody. Cultivated. Breeding material. Seed.

435215. No. VI. Amarello de Botucatu. Cold tolerant under shaded conditions. Perennial woody. Cultivated. Breeding material. Seed.

435216 TO 435217. *Eleutherococcus senticosus* (Rupr. & Maxim.) Maxim. (Araliaceae).

From Soviet Union. Donated by Hortus Botanicus, Valdivostok - URSS. Received through N. I. Vavilov Institute of Plant Industry, Leningrad.
Received October 1979.

435216. Wild. Seed.

435217. Wild. Seed.

435218 TO 435237. *Medicago sativa* L. (Fabaceae) Alfalfa.

From Egypt. Donated by A. Rammah, Field Crops Research Institute, Agriculture Research Center, Giza. Received through Public Law 480 Project FG-EG-183.
Received October 1979.

435218. I-178-78. New Vally. Cultivated. Seed.

435219. I-225-78. Sewa Oasis. Cultivated. Seed.

435218 TO 435237-continued

- 435220. I-227-78. Sewa Oasis. Cultivated. Seed.
- 435221. I-228-78. Sewa Oasis. Cultivated. Seed.
- 435222. I-229-78. Sewa Oasis. Cultivated. Seed.
- 435223. I-231-78. Sewa Oasis. Cultivated. Seed.
- 435224. I-232-78. Sewa Oasis. Cultivated. Seed.
- 435225. I-235-78. Sewa Oasis. Cultivated. Seed.
- 435226. I-237-78. Sewa Oasis. Cultivated. Seed.
- 435227. I-241-78. Minnia, Middle Egypt. Cultivated. Seed.
- 435228. I-242-78. Kena, Upper Egypt. Cultivated. Seed.
- 435229. I-243-78. Essna, Upper Egypt. Cultivated. Seed.
- 435230. I-245-78. Essna, Upper Egypt. Cultivated. Seed.
- 435231. I-247-78. Essna, Upper Egypt. Cultivated. Seed.
- 435232. I-250-78. Essna, Upper Egypt. Cultivated. Seed.
- 435233. I-251-78. Essna, Upper Egypt. Cultivated. Seed.
- 435234. I-252-78. Kena, Upper Egypt. Cultivated. Seed.
- 435235. I-253-78. Kena, Upper Egypt. Cultivated. Seed.
- 435236. I-278-78. Bahrien (Arab Gulf). Cultivated. Seed.
- 435237. I-288-78. Sewa Oasis. Cultivated. Seed.

**435238. *Lycopersicon esculentum* var. *cerasiforme* (Dunal) A. Gray
(Solanaceae) Cherry tomato.**

From United States. Donated by Henry Dawes, AH WILDERNESS,
Tequesta, Florida.
Received October 1979.

Colombia. Received through Crafton Clift who obtained
seeds from Padre Bernal of Bogota. Reported as having
genes of *Physalis* through hybridization. Adapted to high
elevations. Growth at Miami, Florida good. Cultivated.
Seed.

435239 TO 435281. *Gossypium barbadense* L. (Malvaceae) Sea-island cotton.

From Peru. Collected by J. M. Vreeland, Department of Anthropology, University of Texas, Austin, Texas.
Received August 1979.

- 435239.** AM-3-1. Collected August 23, 1978. Magdalena, Tingo Dist., Amazonas. Lat. 6 deg. 15' S; Long. 78 deg. W. Garden, non-irrigated, mixed planting. Plants 1.3-3m tall, some diseased. Fiber white and tan. Cultivated. Primitive cultivar. Seed.
- 435240.** PV-11-1. Collected August 26, 1978. Sinchao Chico, Tallan Dist., Piura. Lat. 5 deg. 30'S; Long. 80 deg. 30'W. Dooryard, flood water irrigated. Fiber white. Cultivated. Primitive cultivar. Seed.
- 435241.** PV-11-2. Collected August 26, 1978. Sinchao Chico, Tallan Dist., Piura. Lat. 5 deg. 30'S; Long. 80 deg. 30'W. Dooryard, flood water irrigated. Plants 1-1.5m tall, some disease and insect damage. Fiber medium brown. Cultivated. Primitive cultivar. Seed.
- 435242.** PV-11-3a. Collected January 02, 1979. Sinchao Chico, Tallan Dist., Piura. Lat. 5 deg. 30'S; Long. 80 deg. 30'W. Dooryard, flood water irrigated. Plants 1-1.5m tall, some disease and insect damage. Fiber brown. Cultivated. Primitive cultivar. Seed.
- 435243.** PV-11-3b. Collected January 02, 1979. Sinchao Chico, Tallan Dist., Piura. Lat. 5 deg. 30'S; Long. 80 deg. 30'W. Dooryard, flood water irrigated. Plants 1-1.5m tall, some disease and insect damage. Fiber white. Cultivated. Primitive cultivar. Seed.
- 435244.** PV-11-3c. Collected January 02, 1979. Sinchao Chico, Tallan Dist., Piura. Lat. 5 deg. 30'S; Long. 80 deg. 30'W. Dooryard, flood water irrigated. Plants 1-1.5m tall, some disease and insect damage. Fiber light purplish-brown. Cultivated. Primitive cultivar. Seed.
- 435245.** PV-11-4a. Collected January 02, 1979. Sinchao Chico, Tallan Dist., Piura. Lat. 5 deg. 30'S; Long. 80 deg. 30'W. Dooryard, flood water irrigated. Plants 1-1.5m tall, some disease and insect damage. Fiber orange-purplish-brown, streaked. Cultivated. Primitive cultivar. Seed.
- 435246.** PV-11-4b. Collected January 02, 1979. Sinchao Chico, Tallan Dist., Piura. Lat. 5 deg. 30'S; Long. 80 deg. 30'W. Dooryard, flood water irrigated. Plants 1-1.5m tall, some disease and insect damage. Fiber white. Cultivated. Primitive cultivar. Seed.

435239 TO 435281-continued

435247. PV-11-5. Collected August 27, 1978. La Union market, Piura. Lat. 5 deg. 30' S; Long. 8 deg. 30' W. Fiber white and light brown, streaked. Cultivated. Primitive cultivar. Seed.
435248. PV-11-6. Collected August 27, 1978. La Union market, Piura. Lat. 5 deg. 30' S; Long. 8 deg. 30' W. Fiber light through dark brown, some with purple tint. Cultivated. Primitive cultivar. Seed.
435249. PV-11-7. Collected January 04, 1979. Hausimal, Chulucanas, Piura. Lat. 5 deg. S; Long. 79 deg. W. Garden, irrigated, mixed planting. Plants one year old, 3-5m tall, some insect damage. Fiber reddish brown. Cultivated. Primitive cultivar. Seed.
435250. PV-11-8. Collected January 1979. Catacaos market, Piura. Lat. 5 deg. 30' S; Long. 80 deg. 30' W. Fiber light, medium, and purplish brown. Cultivated. Primitive cultivar. Seed.
435251. PV-16-1. Collected September 25, 1978. Arbosol, Morrope Dist., Lambayeque. Lat. 60 deg. S; Long. 80 deg. W. Field cultivation with limited irrigation. Plants 0.2-0.4m tall. Cerro cultivar or type of US origin. Cultivated. Seed.
435252. PV-16-2a. Collected September 1978. Morrope, Lambayeque. Fiber white. Fiber, stalk, and leaf material collected for pathological study. Cultivated. Primitive cultivar. Seed.
435253. PV-16-2b. Collected September 1978. Morrope, Lambayeque. Fiber reddish-brown. Fiber, stalk, and leaf material collected for pathological study. Cultivated. Primitive cultivar. Seed.
435254. PV-16-3. Collected September 25, 1978. Morrope, Lambayeque. Dooryard, non-irrigated. Fiber light brown. Cultivated. Primitive cultivar. Seed.
435255. PV-16-4. Collected September 03, 1978. Morrope, Lambayeque. Dooryard, non-irrigated. Plants 1-1.5m tall, 5 years old. Fiber white. Cultivated. Primitive cultivar. Seed.
435256. PV-16-5. Collected September 25, 1978. Morrope, Lambayeque. Dooryard, non-irrigated. Fiber white. Cultivated. Primitive cultivar. Seed.
435257. PV-16-6. Collected October 03, 1978. Morrope, Lambayeque. Dooryard, non-irrigated. Fiber light to medium brown, streaked. Cultivated. Primitive cultivar. Seed.

435239 TO 435281-continued

435258. PV-16-7. Collected October 03, 1978. Morrope, Lambayeque. Dooryard, non-irrigated. Fiber white. Cultivated. Primitive cultivar. Seed.
435259. PV-16-8a. Collected August 04, 1978. Morrope, Lambayeque. Dooryard, non-irrigated. Fiber purplish-brown. Local name fifo. Cultivated. Primitive cultivar. Seed.
435260. PV-16-8b. Collected August 04, 1978. Morrope, Lambayeque. Dooryard, non-irrigated. Fiber light brown. Cultivated. Primitive cultivar. Seed.
435261. PV-16-8c. Collected August 04, 1978. Morrope, Lambayeque. Dooryard, non-irrigated. Fiber orange-brown. Local name colorado. Cultivated. Primitive cultivar. Seed.
435262. PV-16-8d. Collected August 04, 1978. Morrope, Lambayeque. Dooryard, non-irrigated. Fiber purplish-brown. Cultivated. Primitive cultivar. Seed.
435263. PV-16-9. Collected August 1978. Morrope, Lambayeque. Dooryard, non-irrigated. Plant one year old. Fiber purplish-brown. Cultivated. Primitive cultivar. Seed.
435264. PV-16-10. Collected August 1978. Morrope, Lambayeque. Dooryard, non-irrigated. Plant one year old. Fiber reddish-brown. Cultivated. Primitive cultivar. Seed.
435265. PV-16-11. Collected September 09, 1978. Pampa Grande, Lambayeque. Lat. 6 deg. 30' S; Long. 79 deg. 30' W. Garden, irrigated. Plants 4m tall, about 5 years old. Stem trunks 20cm thick. Fiber white. Cultivated. Primitive cultivar. Seed.
435266. PV-16-12. Collected September 09, 1978. Pampa Grande, Lambayeque. Lat. 6 deg. 30' S; Long. 79 deg. 30' W. Garden, irrigated. Plants 4m tall, about 5 years old. Stem trunks 20cm thick. Fiber medium brown. Cultivated. Primitive cultivar. Seed.
435267. PV-16-13. Collected September 09, 1978. Chongayape, Lambayeque. Lat. 6 deg. 30' S; Long. 79 deg. 30' W. Dooryard, irrigated. Plant 3m tall with trunk 4cm thick. Fiber grayish-white. Cultivated. Primitive cultivar. Seed.
435268. PV-16-14. Collected August 1978. Urban market, Chiclayo, Lambayeque. Lat. 6 deg. 30' S; Long. 79 deg. 30' W. Fiber medium brown. Cultivated. Primitive cultivar. Seed.
435269. PV-20-1. Collected August 08, 1978. Pacanquilla, Chepen, Pacasmayo. Lat. 7 deg. S; Long. 79 Deg. 30' W. Purchased from rural weaver. Dooryard type. Fiber light brown,

435239 TO 435281-continued

- streaked. Cultivated. Primitive cultivar. Seed.
435270. PV-20-2a. Collected August 08, 1978. Pacanquilla, Chepen, Pacasmayo. Lat. 7 deg. S; Long. 79 deg. 30' W. Field edge, semi-irrigated. Fiber light brown. Cultivated. Primitive cultivar. Seed.
435271. PV-20-2b. Collected August 08, 1978. Pacanquilla, Chepen, Pacasmayo. Lat. 7 deg. S; Long. 79 deg. 30' W. Field edge, semi-irrigated. Fiber white. Cultivated. Primitive cultivar. Seed.
435272. PV-23-1a. Collected December 30, 1978. La Pampa, Paijan, La Libertad. Lat. 8 deg. S; Long. 79 deg. 30' W. Field edge, non-irrigated. Plants 1-2m tall. Fiber light-medium brown. Cultivated. Primitive cultivar. Seed.
435273. PV-23-1b. Collected December 30, 1978. La Pampa, Paijan, La Libertad. Lat. 8 deg. S; Long. 79 deg. 30' W. Field edge, non-irrigated. Plants 1-2m tall. Fiber light-medium brown. Cultivated. Primitive cultivar. Seed.
435274. PV-X-1. Collected August 1978. Purchased or collected in Huanchaquito, Trujillo, La Libertad. Fiber reddish-brown. Cultivated. Primitive cultivar. Seed.
435275. PV-X-2. Collected January 1979. Purchased in Piura or Morrope market. Fiber purple and reddish-brown. Cultivated. Primitive cultivar. Seed.
435276. PV-24-1. Collected July 31, 1978. Huanchaquito, Trujillo, La Libertad. Lat. 8 deg. S; Long. 79 deg. W. Dooryard, pot irrigated. Fiber reddish-brown. Cultivated. Primitive cultivar. Seed.
435277. PV-24-2a. Collected July 31, 1978. Huanchaquito, Trujillo, La Libertad. Lat. 8 deg. S; Long. 79 deg. W. Dooryard, pot irrigated. Fiber reddish brown. Cultivated. Primitive cultivar. Seed.
435278. PV-24-2b. Collected July 31, 1978. Huanchaquito, Trujillo, La Libertad. Lat. 8 deg. S; Long. 79 deg. W. Dooryard, pot irrigated. Fiber reddish brown. Cultivated. Primitive cultivar. Seed.
435279. PV-24-3. Collected July 31, 1978. Huanchaquito, Trujillo, La Libertad. Lat. 8 deg. S; Long. 79 deg. W. Dooryard, pot irrigated. Fiber reddish brown. Cultivated. Primitive cultivar. Seed.
435280. PV-24-4. Collected July 31, 1978. Purchased in Trujillo, La Libertad. Lat. 8 deg. S; Long. 79 deg. W. Fiber reddish-brown. Cultivated. Primitive cultivar. Seed.

435239 TO 435281-continued

435281. PV-24-5. Collected January 1979. Purchased in Trujillo, La Libertad. Lat. 8 deg. S; Long. 79 deg. W. Fiber reddish brown. Cultivated. Primitive cultivar. Seed.

435282. *Citrullus lanatus* (Thunb.) Matsum. & Nakai (Cucurbitaceae) Watermelon.

From Iraq. Donated by I. S. Damirdagh, Department of Biology, University of Sulaimaniyah, Sulaimaniyah.
Received November 1979.

Local type. Cultivated. Seed.

435283 TO 435284. *Cucumis callosus* (Rottl.) Cogn. (Cucurbitaceae).

From Iraq. Donated by I. S. Damirdagh, Department of Biology, University of Sulaimaniyah, Sulaimaniyah.
Received November 1979.

435283. Collected November 04, 1960. Seed.

435284. Collected September 25, 1979. Halabja, Sulaimaniyah. Seed.

435285 TO 435290. *Cucumis melo* L. (Cucurbitaceae) Muskmelon.

From Iraq. Donated by I. S. Damirdagh, Department of Biology, University of Sulaimaniyah, Sulaimaniyah.
Received November 1979.

435285. Collected 1977. Local type from farmers. Cultivated. Seed.

435286. Collected October 1979. Received as var. *shimman*. Edible but normally grown for the pleasant odor and beautiful fruit shape. Rind striped. Seeds from a single fruit. Cultivated. Seed.

435287. Collected 1978. Received as var. *flexuosus*, snake cucumber. Cultivated. Seed.

435288. Collected 1978. Received as var. *flexuosus*, snake cucumber. Local type from farmers. Cultivated. Seed.

435289. Collected June 1979. Received as var. *minimus*. Fruits small, rough skinned. Seeds from a single fruit. Cultivated. Seed.

435290. Collected December 1978. Received as var. *kirkukensis*.

435285 TO 435290-continued

Fruits yellow, round and lobed, bluntly angular. Rind smooth. Normally produced in the fall. Winter storage good. Seeds from a single fruit. Cultivated. Seed.

435291. *Lagenaria siceraria* (Mol.) Standl. (Cucurbitaceae) Bottle gourd.

From Iraq. Donated by I.S. Damirdagh, Department of Biology, University of Sulaimaniyah, Sulaimaniyah.
Received November 1979.

Collected 1978. Received as *Cucurbita pepo*. Local type. Fruits long necked, dark green, smooth. Cultivated. Seed.

435292 TO 435293. *Momordica charantia* L. (Cucurbitaceae) Balsam pear.

From Iraq. Donated by I.S. Damirdagh, Department of Biology, University of Sulaimaniyah, Sulaimaniyah.
Received November 1979.

435292. Iraq. Abu Ghraib. Herbarium Iraquense, College of Agriculture. No. 12861. Collected November 29, 1977. From house garden, Waziria, Baghdad, Baghdad Province. Received as *Cucumis prophetarum*, collected by M.A.H. Al-Hussaini. Cultivated. Seed.

435293. Collected October 1978. From house garden, Sulaimaniyah. Received as *Cucumis prophetarum*. Cultivated. Seed.

435294 TO 435313. *Phalaris arundinacea* L. (Poaceae) Reed canarygrass.

From Soviet Union. Donated by N. I. Vavilov Institute of Plant Industry, Leningrad. Received through T. Berg, Fureneset Agriculture Research Station, 6994 Fure, Norway.
Received August 1979.

435294. VIR 30370. Cheljabinsk Region, USSR. Dikorastuscij (wild type). Wild. Seed.

435295. VIR 34840. Arkhangelsk Region, USSR. Dikorastuscij (wild type). Wild. Seed.

435296. VIR 34842. Moscow Region, USSR. Dikorastuscij (wild type). Wild. Seed.

435297. VIR 34844. Moscow Region, USSR. Dikorastuscij (wild type). Wild. Seed.

435298. VIR 36034. Pervenec, Leningrad Region, USSR. Wild. Seed.

435294 TO 435313--continued

- 435299.** VIR 36924. Novgorod Region, USSR. Dikorastuscij (wild type). Wild. Seed.
- 435300.** VIR 37180. Kievskij, Ukrainian SSR. Wild. Seed.
- 435301.** VIR 37451. Kazakh SSR. Dikorastuscij (wild type). Wild. Seed.
- 435302.** VIR 37452. Kazakh SSR. Dikorastuscij (wild type). Wild. Seed.
- 435303.** VIR 37453. Kazakh SSR. Dikorastuscij (wild type). Wild. Seed.
- 435304.** VIR 37815. Karelian ASSR. Dikorastuscij (wild type). Wild. Seed.
- 435305.** VIR 39373. Priokskij, Moscow Region, USSR. Wild. Seed.
- 435306.** VIR 39375. Arkhangelsk Region, USSR. Dikorastuscij (wild type). Wild. Seed.
- 435307.** VIR 39376. Arkhangelsk Region, USSR. Dikorastuscij (wild type). Wild. Seed.
- 435308.** VIR 78983. Vladimir Region, USSR. Dikorastuscij (wild type). Wild. Seed.
- 435309.** VIR 82314. Komi ASSR. Dikorastuscij (wild type). Wild. Seed.
- 435310.** VIR 82317. Komi ASSR. Dikorastuscij (wild type). Wild. Seed.
- 435311.** VIR 82320. Komi ASSR. Dikorastuscij (wild type). Wild. Seed.
- 435312.** VIR 82379. Arkhangelsk Region, USSR. Dikorastuscij (wild type). Wild. Seed.
- 435313.** VIR 82381. Arkhangelsk Region, USSR. Dikorastuscij (wild type). Wild. Seed.

435314 TO 435316. Oryza sativa L. (Poaceae) Rice.

**From Italy. Donated by Ente Nazionale Risi, Centro di Ricerche Sul Riso, Mortara.
Received July 1979.**

- 435314.** Arborio. Cultivated. Seed.

435314 TO 435316--continued

435315. Ribe 265. Cultivated. Seed.

435316. Roma. Cultivated. Seed.

435317. *Medicago sativa* L. (Fabaceae) Alfalfa.

From Canada. Donated by M. Hanna, Oseco Limited, Brampton, Ontario.

Received April 1979.

'Vela'. Denmark. Boelshot. Dansk Planteformaedling A/S. Very high resistance to *Verticillium* wilt and to nematodes (stem). Yield high. Seed production very good. Perennial herb. Cultivated. Cultivar. Seed.

435318. *Hordeum vulgare* L. (Poaceae) Barley.

From Japan. Donated by M. Sato, Agriculture, Forestry and Fisheries Research Council, Ministry of Agriculture and Forestry, Kasumigaseki, Chiyoda-Ku, Tokyo.

Received October 1979.

'Mitake'. Six row type. Cultivated. Cultivar. Seed.

435319 TO 435327. *Oryza sativa* L. (Poaceae) Rice.

From Japan. Donated by J. Kawakami, Division of Genetics, National Institute of Agricultural Sciences, Tsukuba-sun, Ibarake-Pref.

Received July 1979.

435319. Fujihikari. Cultivated. Seed.

435320. Fukuhikari. Cultivated. Seed.

435321. Katsurawase. Cultivated. Seed.

435322. Natsuhonami. Cultivated. Seed.

435323. Satiminori. Cultivated. Seed.

435324. Urumamochi. Cultivated. Seed.

435325. Wakagoma. Cultivated. Seed.

435326. Yamahikari. Cultivated. Seed.

435327. Yamayutaka. Cultivated. Seed.

435328 TO 435331. *Zea mays* L. (Poaceae) Field corn.

From Bolivia. Donated by Patino Foundation Experiment Station, Pairumani. Received through Consortium for International Development, Cochabamba, Bolivia.
Received May 1979.

435328. Kulli x Campia. Pairumani. Morado type. Cultivated. Seed.

435329. Kulli. San Rafel, Comarapa. Morado type. Cultivated. Seed.

435330. Kulli. Kharceza. Morado type. Cultivated. Seed.

435331. Kulli. Vina Pampa. Morado type. Cultivated. Seed.

435332. *Zea mays* L. (Poaceae) Field corn.

From China, Peoples Repub of. Donated by Municipal Soybean Crushing Plant, Ch'ang-ch'un, Chi-lin Province. Received through The Illinois Agricultural Mission to People's Republic of China, 1978.
Received April 1978.

Contaminant in PI 427088, soybean (*Glycine max*).
Cultivated. Seed.

435333 TO 435335. *Triticum aestivum* L. (Poaceae) Common wheat.

From Turkey. Donated by Osman Tosun, Ziraat Fakultesi, Ankara Universitesi, Ankara. Received through Esvet Acikgoz, Dept. of Forage Plants and Pastures, Ankara Universitesi.
Received November 1979.

435333. Tosun 21. Cultivated. Breeding material. Seed.

435334. Tosun 22. Cultivated. Breeding material. Seed.

435335. Tosun 144. Cultivated. Breeding material. Seed.

435336 TO 435338. *Rubus glaucus* Benth. (Rosaceae).

From Costa Rica. Donated by J. Leon, Genetic Resources Program, Centro Agronomico Tropical de Investigacion y Ensenanza, Turrialba.
Received October 1979.

435336. El Empalme, Cartago Province. 1400m. Wild. Seed.

435337. Macho Gaff, Cartago Province. 1600m. Wild. Seed.

435338. Macho Gaff, Cartago Province. 1600m. Wild. Seed.

435339 TO 435343. *Lycopersicon esculentum* Mill. (Solanaceae) Tomato.

From United States. Donated by T. H. Barksdale, Vegetable Laboratory, USDA Agricultural Research Center, Beltsville, Maryland.

Received September 1979.

- 435339.** 79B1290. Hungary. Kecskemet. Vegetable Crops Research Institute. EBR1-75. Contributed by S. A. Hodosy. Increased at Beltsville. Determinate, processing type. Cultivated. Breeding material. Seed.
- 435340.** 79B1291. Hungary. Kecskemet. Vegetable Crops Research Institute. EBR-78. Contributed by S. A. Hodosy. Increased at Beltsville. Determinate, processing type. Cultivated. Breeding material. Seed.
- 435341.** 79B1292. Hungary. Kecskemet. Vegetable Crops Research Institute. R-3/3-2. Contributed by S. A. Hodosy. Increased at Beltsville. Determinate, large fruited, hand harvest for processing. Cultivated. Breeding material. Seed.
- 435342.** 79B1293. Hungary. Kecskemet. Vegetable Crops Research Institute. R-7/3-2. Contributed by S. A. Hodosy. Increased at Beltsville. Determinate, large fruited, hand harvest for processing. Cultivated. Breeding material. Seed.
- 435343.** 79B1294. Hungary. Kecskemet. Vegetable Crops Research Institute. R-7/6-2. Contributed by S. A. Hodosy. Increased at Beltsville. Determinate, large fruited, hand harvest for processing. Possible resistance to early blight (*Alternaria solani*). Cultivated. Breeding material. Seed.

435344. *Capsicum annum* L. (Solanaceae).

From Mexico. Collected by R. J. Knight, USDA Subtropical Horticulture Research Station, Miami, Florida.

Received October 1979.

M 25660. Collected April 1979. Talisman near Guatemalan border, Chiapas. Cultivated. Seed.

435345. *Cucumis melo* L. (Cucurbitaceae) Muskmelon.

From Mexico. Collected by R. J. Knight, USDA Subtropical Horticulture Research Station, Miami, Florida.

Received October 1979.

M 25589. 'Pepino'. Collected April 1979. Chiapas.

435345-continued

Cultivated. Cultivar. Seed.

435346. Cucurbita sp. (Cucurbitaceae).

From Mexico. Collected by R. J. Knight, USDA Subtropical Horticulture Research Station, Miami, Florida.
Received October 1979.

M 25568. Collected April 22, 1979. Chiapas. Cultivated. Seed.

435347. Luffa sp. (Cucurbitaceae).

From Mexico. Collected by R. J. Knight, USDA Subtropical Horticulture Research Station, Miami, Florida.
Received October 1979.

M 25582. Collected April 24, 1979. Chiapas. Seed.

435348. Elaeocarpus apiculatus Masters (Elaeocarpaceae).

From China, Peoples Repub of. Donated by Ying-jiang Huo, Forestry Research Institute of Guangdong Province, Saho, Guangchow.
Received November 1979.

Guangchow region, Guangdong Province. Tree. Wild. Seed.

435349. Podocarpus fleuryi Hickel (Podocarpaceae).

From China, Peoples Repub of. Donated by Ying-jiang Huo, Forestry Research Institute of Guangdong Province, Saho, Guangchow.
Received November 1979.

Guangchow region, Guangdong Province. Tree. Wild. Seed.

435350. Helianthus agrestis Pollard (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

AGR-840. Collected November 1977. West of Titusville, Florida. Collected by T. Claraugh. Annual. Wild. Seed.

435351 TO 435355. Helianthus angustifolius L. (Asteraceae) Swamp

435351 TO 435355-continued
sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

- 435351. ANG-363. Collected September 14, 1976. Hwy 271 and 2088, Bettie, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.
- 435352. ANG-370. Collected September 14, 1976. Hwy 259, 24km south of Henderson, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.
- 435353. ANG-372. Collected September 14, 1976. Hwy 59, 4km south of Moscow, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.
- 435354. ANG-385. Collected September 15, 1976. Hwy 6, 3km west of Alvin, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.
- 435355. ANG-895. Collected November 1977. Sumter County, Georgia. Collected by Powell. Perennial herb. Wild. Seed.

435356 TO 435620. Helianthus annuus L. (Asteraceae) Sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

- 435356. ANN-1. Annual. Wild. Seed.
- 435357. ANN-2. Copper Breaks State Park, Foard County, Texas. Annual. Wild. Seed.
- 435358. ANN-3. Hardeman County, Texas. Annual. Wild. Seed.
- 435359. ANN-4. Abilene, Texas. Annual. Wild. Seed.
- 435360. ANN-5. South Haven, Texas. Annual. Wild. Seed.
- 435361. ANN-6. West of Petty Station, Wilbarger County, Texas. Annual. Wild. Seed.
- 435362. ANN-7. Vernon, Wilbarger County, Texas. Annual. Wild. Seed.
- 435363. ANN-8. Copper Breaks State Park, Foard County, Texas. Annual. Wild. Seed.

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- 435364. ANN-9. Hwy 70, Foard County, Texas. Annual. Wild. Seed.
- 435365. ANN-10. Northwest of Odell, Wilbarger County, Texas. Annual. Wild. Seed.
- 435366. ANN-11. Collected 1975. Chillicothe, Texas. Annual. Wild. Seed.
- 435367. ANN-12. Collected 1975. Chillicothe, Texas. Annual. Wild. Seed.
- 435368. ANN-13. Collected 1975. Chillicothe, Texas. Annual. Wild. Seed.
- 435369. ANN-14. Collected 1975. Chillicothe, Texas. Annual. Wild. Seed.
- 435370. ANN-15. Collected 1975. Chillicothe, Texas. Annual. Wild. Seed.
- 435371. ANN-33. Annual. Wild. Seed.
- 435372. ANN-55. Annual. Wild. Seed.
- 435373. ANN-130. Annual. Wild. Seed.
- 435374. ANN-228. New Castle, Wyoming. Annual. Wild. Seed.
- 435375. ANN-231. Wild Horse, Colorado. Annual. Wild. Seed.
- 435376. ANN-232. Granada, Colorado. Annual. Wild. Seed.
- 435377. ANN-233. Syracuse, Kansas. Annual. Wild. Seed.
- 435378. ANN-234. Dodge City, Kansas. Annual. Wild. Seed.
- 435379. ANN-235. Lyons, Kansas. Annual. Wild. Seed.
- 435380. ANN-236. Lincoln, Kansas. Annual. Wild. Seed.
- 435381. ANN-238. Kearney, Nebraska. Annual. Wild. Seed.
- 435382. ANN-239. Valentine, Nebraska. Annual. Wild. Seed.
- 435383. ANN-240. Gettysburg, South Dakota. Annual. Wild. Seed.
- 435384. ANN-241. Sheldon, North Dakota. Annual. Wild. Seed.
- 435385. ANN-242. Phoenix, Arizona. Annual. Wild. Seed.
- 435386. ANN-243. Wikieup, Arizona. Annual. Wild. Seed.

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- 435387. ANN-244. Angiola, Arizona. Annual. Wild. Seed.
- 435388. ANN-245. Hanford, California. Annual. Wild. Seed.
- 435389. ANN-248. Boron, California. Annual. Wild. Seed.
- 435390. ANN-252. Swingle Beef Station, California. Annual. Wild. Seed.
- 435391. ANN-253. Winterhaven, California. Annual. Wild. Seed.
- 435392. ANN-254. Boron, California. Annual. Wild. Seed.
- 435393. ANN-255. Boron, California. Annual. Wild. Seed.
- 435394. ANN-256. Mojave, California. Annual. Wild. Seed.
- 435395. ANN-258. Liberty Island, California. Annual. Wild. Seed.
- 435396. ANN-260. Rio Vista, California. Annual. Wild. Seed.
- 435397. ANN-261. Mexico. Espana. Annual. Wild. Seed.
- 435398. ANN-264. Woodland, California. Annual. Wild. Seed.
- 435399. ANN-265. Woodland, California. Annual. Wild. Seed.
- 435400. ANN-266. Woodland, California. Annual. Wild. Seed.
- 435401. ANN-268. Woodland, California. Annual. Wild. Seed.
- 435402. ANN-269. Woodland, California. Annual. Wild. Seed.
- 435403. ANN-328. Collected June 1976. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435404. ANN-332. Collected August 1976. Lake McClellan near McLean, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435405. ANN-333. Collected July 07, 1976. Guymon, Oklahoma. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435406. ANN-335. Collected July 09, 1976. Hwy 83, Turpin, Oklahoma. Annual. Wild. Seed.
- 435407. ANN-337. Collected July 14, 1976. Childress, Texas. Annual. Wild. Seed.
- 435408. ANN-339. Collected July 14, 1976. Chillicothe, Texas. Annual. Wild. Seed.

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435409. ANN-340. Collected July 14, 1976. Chillicothe, Texas. Annual. Wild. Seed.
435410. ANN-341. Collected September 13, 1976. Hwy 287, 14km west of Iowa Park, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435411. ANN-344. Collected September 13, 1976. Hwy 82, 88 km west of Gainesville, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435412. ANN-350. Collected September 13, 1976. Hwy 82, 7km east of Muenster, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435413. ANN-353. Collected September 13, 1976. At RR overpass, hwy 82. Sherman, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435414. ANN-357. Collected September 14, 1976. Hwy 271, 8km southeast of Paris, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435415. ANN-371. Collected September 14, 1976. Loop 177 of hwy 59, 2km south of Moscow, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435416. ANN-376. Collected September 15, 1976. Hwy 146, north of LaPorte, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435417. ANN-378. Collected September 15, 1976. Kemah City on hwy 146 south of Seabrook, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435418. ANN-379. Collected September 15, 1976. Kemah City on hwy 146 south of Seabrook, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435419. ANN-386. Collected September 15, 1976. Intersection of hwy 59 and 6, 2km east of Brazos River, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435420. ANN-387. Collected September 15, 1976. Hwy 6, 8km north of Hungerford, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435421. ANN-392. Collected September 15, 1976. Hwy 77, 16km south of Hallettsville, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435422. ANN-394. Collected September 15, 1976. Hwy 77, 10km

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- north of Victoria, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435423.** ANN-395. Collected September 15, 1976. Hwy 87, south of Victoria, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435424.** ANN-396. Collected September 15, 1976. South side of Big Chocolate Bayou, hwy 35, southwest of Port Lavaca, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435425.** ANN-399. Collected September 15, 1976. Hwy 35, 8km south of Tivoli, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435426.** ANN-401. Collected September 15, 1976. Aransas Wildlife Refuge, hwy 35, 16km east of Holiday Beach, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435427.** ANN-410. Collected September 15, 1976. Hwy 361, 11km west of Ingleside, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435428.** ANN-411. Collected September 16, 1976. Rincon Point, hwy 361, Corpus Christi, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435429.** ANN-412. Collected September 16, 1976. Corpus Christi, 300 Shoreline Blvd., Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435430.** ANN-413. Collected September 16, 1976. Ocean Drive, Poenisch Park, Corpus Christi, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435431.** ANN-414. Collected September 16, 1976. Two km south of Corpus Christi, 413 Ocean Drive, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435432.** ANN-418. Collected September 16, 1976. Hwy 70, 6km east of hwy 77, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435433.** ANN-421. Collected September 16, 1976. Loyola Beach, hwy 1546 (Leo Kaufer Memorial Park). Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435434.** ANN-423. Collected September 16, 1976. Hwy 77, Riviera, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

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435435. ANN-426. Collected September 16, 1976. Hwy 285, at Falfurrias, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435436. ANN-431. Collected September 16, 1976. Macho Creek, hwy 16, 16km west of Falfurrias, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435437. ANN-432. Collected September 16, 1976. Hwy 16, 5km south of Freer, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435438. ANN-433. Collected September 16, 1976. Hwy 44, 29km east of Encinal, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435439. ANN-435. Collected September 16, 1976. Hwy 44, 5km southeast of hwy 2522 intersection, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435440. ANN-440. Collected September 16, 1976. Hwy 2644, 19km west of Carrizo Springs, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435441. ANN-441. Collected September 16, 1976. Hwy 90, 8km west of Del Rio, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435442. ANN-442. Collected September 16, 1976. Hwy 90, 18km west of Comstock, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435443. ANN-446. Collected September 16, 1976. Hwy 90, 35km west of Comstock, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435444. ANN-447. Collected September 17, 1976. Hwy 90, 2km east of Dryden, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435445. ANN-450. Collected September 17, 1976. Hwy 90, 5km east of Sanderson, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435446. ANN-452. Collected September 17, 1976. Hwy 285, 14km east of Sanderson, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435447. ANN-454. Collected September 17, 1976. Hwy 285, 35km southeast of Ft. Stockton, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

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435448. ANN-455. Collected September 17, 1976. Hwy 285, city limits of Ft. Stockton, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435449. ANN-462. Collected September 18, 1976. Kansas and North 4th Streets, Jal, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435450. ANN-468. Collected September 18, 1976. Hwy 128, 76km west of Jal and 1.6km east of Salt Lake, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435451. ANN-470. Collected September 18, 1976. Hwy 285, 13km southeast of Carlsbad, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435452. ANN-471. Collected September 18, 1976. Hwy 285, 14km south of Artesia, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435453. ANN-473. Collected September 18, 1976. Hwy 70, 5km northeast of Roswell, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435454. ANN-479. Collected September 18, 1976. Hwy 70, 43km northeast of Elkins, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435455. ANN-482. Collected October 01, 1976. One block north of hwy 2381, Bushland, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435456. ANN-484. Collected October 01, 1976. Hwy 1061, 2km west of intersection with hwy 2381, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435457. ANN-486. Collected October 01, 1976. Hwy 1061, 11km west of intersection with Hwy 2381, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435458. ANN-487. Collected October 01, 1976. Hwy 1061, 19km east of intersection with hwy 385, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435459. ANN-488. Collected October 01, 1976. Hwy 354, 3km east of Channing, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435460. ANN-491. Collected October 01, 1976. Hwy 1319, 8km east of intersection with hwy 1913, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.

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435461. ANN-492. Collected October 01, 1976. Hwy 207. 18km south of Borger, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435462. ANN-493. Collected October 04, 1976. Hwy 385, 50km south of Channing, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435463. ANN-495. Collected October 04, 1976. Hwy 87, 6km north of Hartley, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435464. ANN-498. Collected October 04, 1976. Hwy 87, 8km northwest of Texline, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435465. ANN-500. Collected October 04, 1976. Hwy 56, 38km west of Clayton, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435466. ANN-501. Collected October 04, 1976. Hwy 56, 86km west of Clayton and 13km east of Abbot, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435467. ANN-502. Collected October 04, 1976. Hwy 56, 13km east of Abbot, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435468. ANN-505. Collected October 04, 1976. Hwy 199, Miami, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435469. ANN-506. Collected October 04, 1976. Hwy 199, 8km west of Miami, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435470. ANN-507. Collected October 04, 1976. Hwy 199, 8km west of Miami, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435471. ANN-508. Collected October 04, 1976. Eleven km west of Miami (edge of lake). Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435472. ANN-510. Collected October 04, 1976. Hwy 120, 5km west of Wagon Mound, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435473. ANN-512. Collected October 04, 1976. Hwy 120, 3km southeast of Octate, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

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435474. ANN-515. Collected October 04, 1976. Hwy 3, 24km south of La Cueva, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435475. ANN-516. Collected October 05, 1976. Hwy 65, 34km west of Trujillo, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435476. ANN-517. Collected October 05, 1976. Hwy 65, 19km west of Trujillo, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435477. ANN-518. Collected October 05, 1976. Hwy 65, 2km east of Trujillo, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435478. ANN-519. Collected October 05, 1976. Hwy 104, Variadero, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435479. ANN-521. Collected October 05, 1976. Hwy 104, 30km northwest of Tucumcari, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435480. ANN-523. Collected October 05, 1976. Hwy 104, 30km northwest of Tucumcari, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435481. ANN-527. Collected October 05, 1976. Nineteen km east of San Jon, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435482. ANN-529. Collected October 05, 1976. Hwy 66, 26km west of Adrian, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435483. ANN-531. Collected October 05, 1976. Hwy 66, Wildorado, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435484. ANN-533. Collected October 08, 1976. Hwy 84 at intersection with Hwy 41, 14km southeast of Slayton, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435485. ANN-534. Collected October 08, 1976. Hwy 84, southeast city limits, Post, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435486. ANN-535. Collected October 08, 1976. Hwy 84, 21km southeast of Justisberg, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.

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435487. ANN-536. Collected October 08, 1976. Hwy 84, 21km northwest of Roscoe, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435488. ANN-537. Collected October 08, 1976. Interstate 20, 59km west of Abilene, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435489. ANN-539. Collected October 08, 1976. Interstate 20, 5km east of city limits, Abilene, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435490. ANN-543. Collected October 08, 1976. Interstate 40, 61km west of Tucumcari, New Mexico. Collected by T. E. Thompson. Annual. Wild. Seed.
435491. ANN-544. Collected October 07, 1976. Interstate 40, 149km west of Tucumcari, New Mexico. Collected by N. Clark. Annual. Wild. Seed.
435492. ANN-545. Collected October 07, 1976. Interstate 40, 224km west of Tucumcari, New Mexico. Collected by N. Clark. Annual. Wild. Seed.
435493. ANN-546. Collected October 07, 1976. Interstate 40, east city limits of Albuquerque, New Mexico. Collected by N. Clark. Annual. Wild. Seed.
435494. ANN-547. Collected October 09, 1976. Hwy 36, 13km north of Gatesville, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435495. ANN-549. Collected October 14, 1976. Hwy 287, 8km east of Claude, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
435496. ANN-552. Collected October 14, 1976. Hwy 287, 1.6km east of Memphis, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
435497. ANN-553. Collected October 14, 1976. Hwy 287, 1.6km east of Quanah, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
435498. ANN-559. Collected September 27, 1976. Hwy 70, 1 km west of Lariat and 13km east of Farwell, Texas. Collected by R. Stafford. Annual. Wild. Seed.
435499. ANN-560. Collected September 27, 1976. Mountainair, New Mexico. Collected by R. Stafford. Annual. Wild. Seed.
435500. ANN-561. Collected October 02, 1976. Mayhill, New Mexico.

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Collected by R. Stafford. Annual. Wild. Seed.

- 435501.** ANN-562. Collected September 27, 1976. Hwy 60, between Vaughn and Encino, New Mexico. Collected by R. Stafford. Annual. Wild. Seed.
- 435502.** ANN-564. Collected September 28, 1976. Safford, Arizona. Collected by R. Stafford. Annual. Wild. Seed.
- 435503.** ANN-566. Collected September 28, 1976. West Mule Creek near state line, Arizona. Collected by R. Stafford. Annual. Wild. Seed.
- 435504.** ANN-568. Collected October 15, 1976. Palo Duro State Park, Canyon, Texas. Collected by Elaine Thompson. Annual. Wild. Seed.
- 435505.** ANN-570. Collected October 26, 1976. Ten km north of McCloud, Oklahoma. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435506.** ANN-572. Collected 1971. Collected by M. L. Kinman. Annual. Wild. Seed.
- 435507.** ANN-573. Collected 1971. Collected by M. L. Kinman. Annual. Wild. Seed.
- 435508.** ANN-574. Collected 1971. Collected by M. L. Kinman. Annual. Wild. Seed.
- 435509.** ANN-575. Collected 1971. Collected by M. L. Kinman. Annual. Wild. Seed.
- 435510.** ANN-576. Collected 1971. Collected by M. L. Kinman. Annual. Wild. Seed.
- 435511.** ANN-577. Collected 1971. Collected by M. L. Kinman. Annual. Wild. Seed.
- 435512.** ANN-578. Collected 1971. Collected by M. L. Kinman. Annual. Wild. Seed.
- 435513.** ANN-579. Collected 1971. Collected by M. L. Kinman. Annual. Wild. Seed.
- 435514.** ANN-580. Collected 1971. Collected by M. L. Kinman. Annual. Wild. Seed.
- 435515.** ANN-581. Collected 1971. Collected by M. L. Kinman. Annual. Wild. Seed.
- 435516.** ANN-582. Collected 1971. Collected by M. L. Kinman. Annual. Wild. Seed.

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435517. ANN-583. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435518. ANN-584. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435519. ANN-585. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435520. ANN-586. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435521. ANN-587. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435522. ANN-588. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435523. ANN-589. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435524. ANN-590. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435525. ANN-591. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435526. ANN-592. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435527. ANN-593. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435528. ANN-594. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435529. ANN-595. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435530. ANN-596. Collected 1971. Collected by M. L. Kinman.
Annual. Wild. Seed.
435531. ANN-597. Collected November 03, 1976. Jct of hwy 289
west and hwy 82, north of Lubbock, Texas. Collected by C.
E. Rogers. Annual. Wild. Seed.
435532. ANN-598. Collected November 03, 1976. Jct of hwy 385 and
hwy 62, south of Brownfield, Texas. Collected by C. E.
Rogers. Annual. Wild. Seed.
435533. ANN-600. Collected November 03, 1976. Hwy 385, 3km south
of Andrews, Texas. Collected by C. E. Rogers. Annual.

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Wild. Seed.

435534. ANN-601. Collected November 03, 1976. Hwy 80, 6km west of Odessa, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
435535. ANN-602. Collected November 03, 1976. Interstate 10, 19km west of Ft. Stockton, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
435536. ANN-606. Collected November 03, 1976. Interstate 10, 13km west of Kent, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
435537. ANN-611. Collected November 04, 1976. West side of hwy 70, Alamogordo, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
435538. ANN-613. Collected November 04, 1976. Hwy 70, 8km west of Ruidoso and 3km east of Apache Summit, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
435539. ANN-615. Collected January 04, 1976. Hwy 70, Hondo, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
435540. ANN-627. Collected September 1976. I-80, 1 km south of Joliet, and 8km east of I-55, Joliet, Illinois. Collected by L. Menschel. Annual. Wild. Seed.
435541. ANN-628. Collected November 06, 1976. Vaughn, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
435542. ANN-632. Collected November 17, 1976. East city limits of Showlow, Arizona. Collected by C. E. Rogers. Annual. Wild. Seed.
435543. ANN-633. Collected November 19, 1976. Hwy 80, Liberty, Arizona. Collected by C. E. Rogers. Annual. Wild. Seed.
435544. ANN-635. Collected November 17, 1976. Hwy 60, 10km east of Springerville, Arizona. Collected by C. E. Rogers. Annual. Wild. Seed.
435545. ANN-636. Collected November 17, 1976. Hwy 60, Springerville, Arizona. Collected by C. E. Rogers. Annual. Wild. Seed.
435546. ANN-637. Collected November 17, 1976. Hwy 60, 10km west of Miami, Arizona. Collected by C. E. Rogers. Annual. Wild. Seed.
435547. ANN-638. Collected November 17, 1976. Hwy 60, 10km west of Miami, Arizona. Collected by C. E. Rogers. Annual.

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Wild. Seed.

- 435548.** ANN-642. Collected November 19, 1976. H. Rose Ranch, Yuma, Arizona. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435549.** ANN-643. Collected November 19, 1976. Grand Ave. and 75th, 2km east of Peoria, Arizona. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435550.** ANN-644. Collected November 19, 1976. Grand Ave. and 75th, 2km east of Peoria, Arizona. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435551.** ANN-645. Collected August 13, 1976. Le Fleur County, Mississippi. Collected by K. E. Frick. Annual. Wild. Seed.
- 435552.** ANN-646. Collected August 1975. Knoxville, Tennessee. Collected by T. E. Thompson. Annual. Wild. Seed.
- 435553.** ANN-647. Collected August 1975. Knoxville, Tennessee. Collected by T. E. Thompson. Annual. Wild. Seed.
- 435554.** ANN-717. Collected August 04, 1977. Intersection of hwy 281 and hwy 1060 east of Sunray, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435555.** ANN-719. Collected August 04, 1977. Hwy 25, 13km south of Ulysses, Kansas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435556.** ANN-720. Collected August 04, 1977. Hwy 25 (marker 113), 3km south of Leoti, Kansas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435557.** ANN-721. Collected August 04, 1977. Hwy 96, 16km west of Scott City, Kansas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435558.** ANN-723. Collected August 22, 1977. Hwy 87, 6km northwest of Capulin, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435559.** ANN-725. Collected August 22, 1977. Interstate 25, 1.6km north of Raton, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435560.** ANN-727. Collected August 22, 1977. Interstate 25 (marker 56), Colorado. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435561.** ANN-732. Collected August 22, 1977. Hwy 67 (marker 123), 12km southwest of Sedalia, Colorado. Collected by T. E.

435356 TO 435620-continued

Thompson and C. E. Rogers. Annual. Wild. Seed.

435562. ANN-736. Collected August 23, 1977. Hwy 93, 8km south of Boulder, Colorado. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435563. ANN-739. Collected August 23, 1977. Hwy 40, 7km east of Hot Sulphur Springs, Colorado. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435564. ANN-741. Collected August 23, 1977. Hwy 40, west edge of Steamboat Springs, Colorado. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435565. ANN-744. Collected August 23, 1977. Hwy 40, 6km west of Craig, Colorado. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435566. ANN-745. Collected August 23, 1977. Hwy 40, 59km from Utah border, Elk Springs, Colorado. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435567. ANN-746. Collected August 23, 1977. Hwy 40, near river east of Jensen, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435568. ANN-747. Collected August 24, 1977. Hwy 33, 1 km south of Duchesne, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435569. ANN-748. Collected August 24, 1977. Intersection of hwy 6 and hwy 50, 35km east of Thistle, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435570. ANN-749. Collected August 24, 1977. Jct of hwy 15 and hwy 115, Payson, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435571. ANN-751. Collected August 24, 1977. Hwy 132, 29km west of Nephi, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435572. ANN-752. Collected August 24, 1977. Hwy 132, 37km west of Nephi, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435573. ANN-753. Collected August 24, 1977. Hwy 132, 37km west of Nephi, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435574. ANN-754. Collected August 24, 1977. Hwy 132, 37km west of Nephi, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435356 TO 435620-continued

435575. ANN-756. Collected August 24, 1977. On blacktop 24km north and 3km west of Lynndyl, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435576. ANN-757. Collected August 24, 1977. Hwy 50, 21km west of Delta, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435577. ANN-758. Collected August 24, 1977. Hwy 50, 97km west of Delta, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435578. ANN-759. Collected August 24, 1977. Eleven km east of Jct 93, hwy 50 and hwy 6, Nevada. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435579. ANN-760. Collected August 24, 1977. Hwy 50, 14km east of Ruby Marshes turnoff, Nevada. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435580. ANN-761. Collected August 24, 1977. Hwy 50, 3km east of Fallon, Nevada. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435581. ANN-762. Collected August 25, 1977. Interstate 80, Lovelock, Nevada. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435582. ANN-763. Collected August 25, 1977. Interstate 80, 7km north of Cosgrove, Nevada. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435583. ANN-765. Collected August 26, 1977. Hwy 395, 8km south of Lakeview, 8km north of California border, Oregon. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435584. ANN-766. Collected August 26, 1977. Hwy 299, 2km southwest of Alturas, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435585. ANN-767. Collected August 26, 1977. Hwy 299, east county line, Lassen, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435586. ANN-768. Collected August 26, 1977. Hwy 299, east edge of McArthur, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435587. ANN-769. Collected August 26, 1977. Intersection of A9 with 99, 16km east of Corning, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435356 TO 435620-continued

435588. ANN-770. Collected August 27, 1977. Hwy 45, 10Km south of Grimes, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435589. ANN-771. Collected August 27, 1977. Hwy E6, 8km east of Winters, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435590. ANN-778. Collected August 27, 1977. Near Davis, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435591. ANN-781. Collected August 28, 1977. Hwy 150, 8km east of Ojai, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435592. ANN-782. Collected August 28, 1977. Hwy 126, 13km west of Fillmore, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435593. ANN-783. Collected August 28, 1977. Near 1st fire station, 1.6km east of dam, San Antonio Canyon, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435594. ANN-789. Collected August 30, 1977. Interstate 15, 55km west of Hwy 91 exit, Arizona. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435595. ANN-790. Collected August 30, 1977. Hwy 15, 1.6km west of Hurricane, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435596. ANN-792. Collected August 30, 1977. Hwy 59 (marker 11), south of Hurricane, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435597. ANN-794. Collected August 30, 1977. Hwy 89, 6km south of Fredonia, Arizona. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435598. ANN-796. Collected August 31, 1977. Hwy 160, 1km west of jct 264 and 1.6km west of Tuba City, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435599. ANN-799. Collected August 31, 1977. Hwy 264, 7km west of Keams Canyon, Arizona. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435600. ANN-801. Collected August 31, 1977. Hwy 77, 5km south of Holbrook, Arizona. Collected by T. E. Thompson and C. E.

435356 TO 435620-continued

Rogers. Annual. Wild. Seed.

435601. ANN-804. Collected August 31, 1977. Hwy 60, west of Springerville, Arizona. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435602. ANN-807. Collected August 31, 1977. Hwy 60, 3km east of Springerville, Arizona. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435603. ANN-809. Collected August 31, 1977. Hwy 180, turnoff to Sheridan Corner, Holt Gulch, W of Buckhorn, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435604. ANN-811. Collected September 01, 1977. East side of Truth or Consequences, New Mexico. Collected by T. E. Thompson. Annual. Wild. Seed.
435605. ANN-813. Collected September 01, 1977. Interstate 25, 1.6km north of Socorro, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435606. ANN-816. Collected September 01, 1977. Hwy 60 (marker 182), east of Socorro, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435607. ANN-818. Collected September 01, 1977. Two km north, jct of hwy 54 and 60, east of Vaughn, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435608. ANN-819. Collected July 13, 1977. Washington County, Mississippi. Collected by K. E. Frick. Annual. Wild. Seed.
435609. ANN-822. Collected September 15, 1977. Ray Farm, 3km north of Fowler, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435610. ANN-823. Collected September 15, 1977. Five km east of Prairie View, east of Holdenville, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435611. ANN-827. Collected September 15, 1977. Hwy 270, east edge of McAlister, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435612. ANN-861. Collected September 22, 1977. Hwy 18, SW of Hickory 1 km NW of Catawba-Burke Co. lines, North Carolina. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435613. ANN-874. Collected September 23, 1977. Interstate 65 north, 1.6km south of hwy 100 exit, Indian. Collected by

435356 TO 435620—continued

T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435614. ANN-875. Collected September 24, 1977. Interstate 65, 9km south of Crothersville, at hwy 31 exit, Indiana. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435615. ANN-877. Collected September 24, 1977. Intersection of Interstates 65 and 55, East St. Louis, Illinois. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435616. ANN-881. Collected September 25, 1977. Hwy 181, 5km south of jct with hwy 76, Missouri. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435617. ANN-882. Collected September 25, 1977. Jct of hwys 160W and 5, west of Gainesville, Missouri. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435618. ANN-885. Collected September 25, 1977. Hwy 72, west side of Pea Ridge, Arkansas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435619. ANN-886. Collected September 25, 1977. Interstate 44 and 11th St., Tulsa, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435620. ANN-892. Collected November 11, 1977. Ave. 3E, 8km east of Yuma, 3km south of I-8 toward airbase, Arizona. Collected by T. E. Thompson. Annual. Wild. Seed.

435621. *Helianthus anomalus* Blake (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

ANO-755. Collected August 24, 1977. Three km west of hwys 6 and 50, 12km N of Lynndyl, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

**435622 TO 435635. *Helianthus argophyllus* Torr. & Gray (Asteraceae)
Silverleaf sunflower.**

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

435622 TO 435635-continued

435622. ARG-398. Collected September 15, 1976. Hwy 35, 8km south of Tivoli, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435623. ARG-400. Collected September 15, 1976. Hwy 35, Aransas Wildlife Refuge, 16km east of Holiday Beach, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435624. ARG-403. Collected September 15, 1976. Hwy 35, 3km east of Holiday Beach, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435625. ARG-404. Collected September 15, 1976. Hwy 35, 10km east of Rockport, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435626. ARG-406. Collected September 15, 1976. Hwy 35, southwest city limits of Rockport, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435627. ARG-407. Collected September 15, 1976. Hwy 361, Middle Aransas Pass, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435628. ARG-408. Collected September 15, 1976. Hwy 361, city limits of West Ingleside, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435629. ARG-415. Collected September 16, 1976. NAS Drive and Skipper Lane, Corpus Christi, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435630. ARG-420. Collected September 16, 1976. Hwy 628, 1.6km east of hwy 77, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435631. ARG-422. Collected September 16, 1976. Hwy 77 at Riviera, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435632. ARG-425. Collected September 16, 1976. Hwy 285, 8km west of Riveria, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435633. ARG-427. Collected September 16, 1976. Hwy 285, Falfurrias, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435634. ARG-428. Collected September 16, 1976. Hwy 285, 12km west of Falfurrias, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435622 TO 435635-continued

435635. ARG-430. Collected September 16, 1976. Hwy 285, 25km west of Falfurrias, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435636. Helianthus arizonensis R. C. Jackson (Asteraceae) Arizona blueweed.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes. Received April 1978.

ARI-803. Collected August 31, 1977. Hwy 77, entrance to Sitgraves National Forest, south of Snowflake, Arizona. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435637 TO 435638. Helianthus atrorubens L. (Asteraceae) Hairy wood sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes. Received April 1978.

435637. ATR-859. Collected September 22, 1977. North limit of Enola, south of Morganton, North Carolina. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435638. ATR-867. Collected September 23, 1977. Two km northwest of Guest Baptist Church, Dekalb Co., Alabama. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.

435639 TO 435644. Helianthus bolanderi A. Gray (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes. Received April 1978.

435639. EXI-773. Collected August 27, 1977. Napa road (marker 31.7), 3km south of Knoxville, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435640. EXI-774. Collected August 27, 1977. Napa road (marker 34.25), California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435639 TO 435644-continued

435641. EXI-775. Collected August 27, 1977. One km north of Knoxville, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435642. EXI-776. Collected August 27, 1977. Near Davis, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435643. EXI-777. Collected August 27, 1977. Near Davis, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435644. EXI-778. Collected August 27, 1977. Near Davis, California. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435645. Helianthus californicus DC. (Asteraceae) California sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes. Received April 1978.

CAI-722. Collected August 27, 1977. Westside of Lake Berryessa, Napa road north of hwy 128, Knoxville, CA. Collected by T. E. Thompson and C. E. Rodgers. Perennial herb. Wild. Plants.

435646. Helianthus carnosus Small (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes. Received April 1978.

CAR-843. Collected September 19, 1977. Hwy 100, 42km east of San Mateo, Florida. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435647 TO 435649. Helianthus ciliaris DC. (Asteraceae) Texas blueweed.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes. Received April 1978.

435647. CIL-477. Collected September 18, 1976. Hwy 70, 38km from Roswell before Elkins, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435647 TO 435649-continued

435648. CIL-530. Collected October 05, 1976. Hwy 66, 26km west of Adrian, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435649. CIL-557. Collected September 01, 1976. Hwy 1424, 3km north of Hale Center, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435650 TO 435673. *Helianthus debilis* Nutt. (Asteraceae) Beach sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes. Received April 1978.

435650. DEB-295. Netherlands. Purchased from seed company. Annual. Wild. Seed.

435651. DEB-366. Collected September 14, 1976. Hwy 259, 8-10km northwest of Henderson, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435652. DEB-367. Collected September 14, 1976. Hwy 79, 7km south and 1.6km east of Henderson, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435653. DEB-368. Collected September 14, 1976. Hwy 259, 16km south of Henderson, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435654. DEB-391. Collected September 15, 1976. Hwy Alternate 90, 1 km east of Sublime, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435655. DEB-405. Collected September 15, 1976. Hwy 35, 7km east of Rockport, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435656. DEB-678. Collected 1976. Hutchinson Island, Florida. Collected by M. Farley. Annual. Wild. Seed.

435657. DEB-679. Collected January 10, 1977. North of Marineland, St. Johns Co., Florida. Collected by J. Davenport. Annual. Wild. Seed.

435658. DEB-680. Collected January 10, 1977. South of Marineland, St. Johns Co., Florida. Collected by J. Davenport. Annual. Wild. Seed.

435659. DEB-681. Collected January 10, 1977. South of

435650 TO 435673-continued

- Marineland, St. Johns Co., Florida. Collected by J. Davenport. Annual. Wild. Seed.
435660. DEB-682. Collected January 17, 1977. Flagler Beach, Florida. Collected by R. Parsons. Annual. Wild. Seed.
435661. DEB-683. Collected February 01, 1977. One km south of Stuart Beach, Hutchinson Island, Florida. Collected by A. C. Ohlson. Annual. Wild. Seed.
435662. DEB-684. Collected February 01, 1977. Two km south of Stuart Beach, Hutchinson Island, Florida. Collected by A. C. Ohlson. Annual. Wild. Seed.
435663. DEB-685. Collected February 01, 1977. Two km south of Stuart Beach, Hutchinson Island, Florida. Collected by A. C. Ohlson. Annual. Wild. Seed.
435664. DEB-686. Collected February 01, 1977. Three km south of Stuart Beach, Hutchinson Island, Florida. Collected by A. C. Ohlson. Annual. Wild. Seed.
435665. DEB-687. Collected February 01, 1977. Three km south of Stuart Beach, Hutchinson Island, Florida. Collected by A. C. Ohlson. Annual. Wild. Seed.
435666. DEB-688. Collected February 01, 1977. Four km south of Stuart Beach, Hutchinson Island, Florida. Collected by A. C. Ohlson. Annual. Wild. Seed.
435667. DEB-689. Collected February 01, 1977. One km north of Stuart Beach, Hutchinson Island, Florida. Collected by A. C. Ohlson. Annual. Wild. Seed.
435668. DEB-690. Collected February 01, 1977. Jensen Beach, Florida. Collected by A. C. Ohlson. Annual. Wild. Seed.
435669. DEB-691. Collected February 01, 1977. Hobe Sound Public Beach, Hobe Sound, Florida. Collected by A. C. Ohlson. Annual. Wild. Seed.
435670. DEB-692. Collected February 01, 1977. One km south of Jensen Beach, Florida. Collected by A. C. Ohlson. Annual. Wild. Seed.
435671. DEB-841. Collected September 19, 1977. Playalinda Beach, northeast of Titusville, Florida. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435672. DEB-894. Collected October 15, 1977. Northeast of Panacea, end of hwy C-372A, Wakulla Co., Florida. Collected by S. W. Leonard. Annual. Wild. Seed.

435650 TO 435673—continued

435673. DEB-896. Soil Conservation Service. AM-3596. Collected August 1977. Macon Co., Georgia. Collected by J. D. Powell. Annual. Wild. Seed.

435674. *Helianthus deserticola* Heiser (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

DES-791. Collected August 30, 1977. Hwy 15, 0.4km southwest of city limits, Virgin, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435675 TO 435676. *Helianthus divaricatus* L. (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

435675. DIV-830. Collected September 16, 1977. Hwy 270, 8km south of Wister, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435676. DIV-879. Collected September 25, 1977. Hwy 137, 1.6km north of Yukon, Missouri. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435677. *Helianthus eggertii* Small (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

EGG-872. Collected September 23, 1977. Hwy 43, 1.6km south of Rocky Dale, Tennessee. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435678. *Helianthus floridanus* A. Gray ex Chapm. (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

FLO-845. Collected September 19, 1977. Hwy 301, 1 km west of the Florida-Georgia state line, Georgia. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435679 TO 435680. *Helianthus giganteus* L. (Asteraceae) Giant sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes. Received April 1978.

435679. GIG-297. Perennial herb. Wild. Seed.

435680. GIG-889. Collected September 25, 1977. Minnesota. Collected by C. E. Heiser. Perennial herb. Wild. Seed.

435681. *Helianthus glaucophyllus* D. M. Smith (Asteraceae).

From United States, Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes. Received April 1978.

GLA-857. Collected September 21, 1977. Hwy 321, 4km east of Blowing Rock, North Carolina. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435682 TO 435685. *Helianthus gracilentus* A. Gray (Asteraceae) Slender sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes. Received April 1903.

435682. GRA-711. Collected June 02, 1977. Turnoff to hwy 94, west of Tecate, California. Collected by W. F. Lehman. Perennial herb. Wild. Seed.

435683. GRA-713. Collected June 02, 1977. Turnoff to hwy 94, south side, Tecate, California. Collected by W. F. Lehman. Perennial herb. Wild. Seed.

435684. GRA-784. Collected August 29, 1977. San Sevaine Rd., 3km from Lytle Creek Rd., San Bernardino Natl. Forest, CA. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435685. GRA-785. Collected August 29, 1977. Hwy 330 (marker 38.33), San Bernardino Natl. Forest, California. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

**435686 TO 435699. Helianthus grosse-serratus Martens (Asteraceae)
Sawtooth sunflower.**

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
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- 435686. GRO-299. Perennial herb. Wild. Seed.
- 435687. GRO-354. Collected September 13, 1976. Hwy 82, east of Ector, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.
- 435688. GRO-355. Collected September 13, 1976. Hwy 82, 1.6km east of Bonham, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.
- 435689. GRO-358. Collected September 13, 1976. Hwy 271, 11km southeast of Paris, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.
- 435690. GRO-359. Collected September 14, 1976. Hwy 271, 16km southeast of Paris, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.
- 435691. GRO-662. East Kansas. Perennial herb. Wild. Plants.
- 435692. GRO-663. Perennial herb. Wild. Plants.
- 435693. GRO-664. Chase Co., Kansas. Perennial herb. Wild. Plants.
- 435694. GRO-665. Greenwood Co., Kansas. Perennial herb. Wild. Plants.
- 435695. GRO-666. Greenwood Co., Kansas. Perennial herb. Wild. Plants.
- 435696. GRO-667. Cowley Co., Kansas. Perennial herb. Wild. Plants.
- 435697. GRO-668. Cherokee Co., Kansas. Perennial herb. Wild. Plants.
- 435698. GRO-826. Collected September 15, 1977. Hwy 270, 7km east of Stewart, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.
- 435699. GRO-876. Collected September 24, 1977. Hwy 67, 1.6km south of Switz City, Indiana. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435700 TO 435701. *Helianthus heterophyllus* Nutt. (Asteraceae) Hairy sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
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435700. HET-651. Collected 1976. Florida. Collected by S. W. Leonard. Perennial herb. Wild. Seed.

435701. HET-836. Collected September 17, 1977. Hwy 98, 1.6km west of Beaumont, Mississippi. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435702 TO 435705. *Helianthus hirsutus* Raf. (Asteraceae) Stiff-haired sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
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435702. HIR-704. Perennial herb. Wild. Seed.

435703. HIR-828. Collected September 15, 1977. Hwy 270, 14km east of Wilburton, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435704. HIR-829. Collected September 16, 1977. Hwy 71, 3km south of Poteau, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435705. HIR-868. Collected September 23, 1977. Two km northwest of Guest Baptist Church, Dekalb Co., Alabama. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.

435706. *Helianthus imbaburensis* Hieron. (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

IMB-887. Ecuador. Patate. Collected September 24, 1977. Collected by C. B. Heiser. Perennial herb. Wild. Plants.

435707. *Helianthus laciniatus* A. Gray (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern

435707-continued

Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
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LAC-810. Collected August 31, 1977. Hwy 90, west of the Mimbres River, near San Lorenzo, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.

435708 TO 435712. Helianthus X laetiflorus Pers. (Asteraceae) Showy sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
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435708. LAET-653. Hooker Co., Nebraska. Perennial herb. Wild. Seed.

435709. LAET-654. Sheridan Co., Nebraska. Perennial herb. Wild. Seed.

435710. LAET-655. Garden Co., Nebraska. Perennial herb. Wild. Seed.

435711. LAET-656. Lyon Co., Kansas. Perennial herb. Wild. Seed.

435712. LAET-851. Collected September 20, 1977. One km south of Chadburn, North Carolina. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.

435713. Helianthus longifolius Pursh (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

LON-866. Collected September 23, 1977. Two km northwest of Guest Baptist Church, Dekalb Co., Alabama. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435714 TO 435740. Helianthus maximiliani Schrad. (Asteraceae) Maximilian's sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

435714 TO 435740--continued

Received April 1978.

- 435714. MAX-304. Perennial herb. Wild. Seed.
- 435715. MAX-342. Collected September 13, 1976. Hwy 287, 16km east of Wichita Falls, Texas. Perennial herb. Wild. Plants.
- 435716. MAX-343. Collected September 13, 1976. Hwy 82, 10 km east of Henrietta, Texas. Perennial herb. Wild. Plants.
- 435717. MAX-348. Collected September 13, 1976. Hwy 82, 3km east of St. Jo, Texas. Perennial herb. Wild. Seed.
- 435718. MAX-351. Collected September 13, 1976. Hwy 82, 14km west of Sherman, Texas. Perennial herb. Wild. Plants.
- 435719. MAX-352. Collected September 13, 1976. Hwy 82, railroad overpass, Sherman, Texas. Perennial herb. Wild. Plants.
- 435720. MAX-356. Collected September 14, 1976. Hwy 271, 7km southeast of Paris, Texas. Perennial herb. Wild. Plants.
- 435721. MAX-384. Collected September 15, 1976. Hwy 146, railroad track, Kemah, Texas. Perennial herb. Wild. Plants.
- 435722. MAX-525. Collected October 05, 1976. Hwy 66, 3km east of San Jon, New Mexico. Perennial herb. Wild. Seed.
- 435723. MAX-538. Collected October 08, 1976. Interstate 20, 5km east of East Abilene, Texas. Perennial herb. Wild. Seed.
- 435724. MAX-548. Collected October 09, 1976. Hwy 36, 13km north of Gatesville, Texas. Perennial herb. Wild. Seed.
- 435725. MAX-621. Perennial herb. Wild. Plants.
- 435726. MAX-657. Greenwood Co., Kansas. Perennial herb. Wild. Seed.
- 435727. MAX-658. Lincoln Co., Nebraska. Perennial herb. Wild. Plants.
- 435728. MAX-659. Greenwood Co., Kansas. Perennial herb. Wild. Plants.
- 435729. MAX-660. Marion Co., Kansas. Perennial herb. Wild. Plants.
- 435730. MAX-661. Cowley Co., Kansas. Perennial herb. Wild. Plants.
- 435731. MAX-677. Collected 1974. Perennial herb. Wild. Seed.

435714 TO 435740—continued

435732. MAX-694. Perennial herb. Wild. Plants.
435733. MAX-695. Perennial herb. Wild. Seed.
435734. MAX-696. Perennial herb. Wild. Seed.
435735. MAX-697. Perennial herb. Wild. Seed.
435736. MAX-698. Perennial herb. Wild. Seed.
435737. MAX-699. Perennial herb. Wild. Seed.
435738. MAX-700. Perennial herb. Wild. Seed.
435739. MAX-869. Collected September 23, 1977. Hwy 72 (marker 133), west of Scottsboro, Alabama. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.
435740. MAX-884. Collected September 25, 1977. Hwy 62, 1 km west of Flippin, Arkansas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435741 TO 435743. *Helianthus microcephalus* Torr. & Gray (Asteraceae)
Small wood sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

435741. MIC-854. Collected September 21, 1977. Jct. of hwy 64 and 49, .4km north of Asheboro, North Carolina. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.
435742. MIC-862. Collected September 22, 1977. North 1.4km of jct of hwy 1198 and 100, Cherokee Co., South Carolina. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.
435743. MIC-863. Collected September 22, 1977. Hwy 20, 4km southeast of jct with hwy 100, Alabama. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435744 TO 435759. *Helianthus mollis* Lam. (Asteraceae) Ashy sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

435744 TO 435759—continued

- 435744.** MOL-305. Collected 1975. Chillicothe, Texas. Perennial herb. Wild. Seed.
- 435745.** MOL-306. Collected 1975. Chillicothe, Texas. Perennial herb. Wild. Seed.
- 435746.** MOL-307. Collected 1973. Okmulgee, Oklahoma. Perennial herb. Wild. Seed.
- 435747.** MOL-313. Collected 1975. McCloud, Oklahoma. Collected by C. E. Rogers. Perennial herb. Wild. Seed.
- 435748.** MOL-361. Collected September 14, 1976. Hwy 271, 12km south of Rivercrest, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.
- 435749.** MOL-554. Collected October 14, 1976. Chillicothe, Texas. Collected by C. E. Rogers. Perennial herb. Wild. Seed.
- 435750.** MOL-669. Greenwood Co., Kansas. Perennial herb. Wild. Plants.
- 435751.** MOL-670. Greenwood Co., Kansas. Perennial herb. Wild. Plants.
- 435752.** MOL-671. Okmulgee Co., Oklahoma. Perennial herb. Wild. Plants.
- 435753.** MOL-672. Okmulgee Co., Oklahoma. Perennial herb. Wild. Plants.
- 435754.** MOL-673. Cherokee Co., Kansas. Perennial herb. Wild. Plants.
- 435755.** MOL-701. Perennial herb. Wild. Seed.
- 435756.** MOL-702. Perennial herb. Wild. Seed.
- 435757.** MOL-820. Collected September 01, 1977. Hwy 62, 3km west of Fowler, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.
- 435758.** MOL-821. Collected September 15, 1977. Road to Ray Farm at bridge, 1.6km north of Fowler, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.
- 435759.** MOL-880. Collected September 25, 1977. Hwy 137, 2km north of Yukon, Missouri. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435760. Helianthus X multiflorus L. (Asteraceae).

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MUL-888. Collected September 25, 1977. Bloomington, Indiana. Collected by C. E. Heiser. Perennial herb. Wild. Plants.

435761 TO 435769. Helianthus neglectus Heiser (Asteraceae).

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435761. NEG-457. Collected September 17, 1976. Hwy 18, 16km south of Monahans, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435762. NEG-458. Collected September 17, 1976. Hwy 80, behind Sunset Motel, east of Monahans, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435763. NEG-461. Collected September 18, 1976. Hwy 18, 10km north of Kermit, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435764. NEG-463. Collected September 18, 1976. Corner of Kansas St. and North 4th St., Jal, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435765. NEG-465. Collected September 18, 1976. Hwy 128, 41km west of Jal, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435766. NEG-466. Collected September 18, 1976. Hwy 128, 44km west of Jal, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435767. NEG-467. Collected September 18, 1976. Hwy 128, 44km west of Jal, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435768. NEG-469. Collected September 18, 1976. Hwy 128, east bank of the Pecos River, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435769. NEG-475. Collected September 18, 1976. Hwy 70, 10km northwest of Roswell, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435770 TO 435778. *Helianthus niveus* (Benth.) Brandeg. (Asteraceae).

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- 435770. NIV-608. Collected November 04, 1976. Interstate 10, Tom Penny Motel, El Paso, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435771. NIV-609. Collected November 04, 1976. Interstate 10, 15km west of Las Cruces, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435772. NIV-610. Collected November 04, 1976. Hwy 70, 42km west of Alamogordo, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435773. NIV-639. Collected November 19, 1976. Interstate 8, 11 km east of Yuma, Arizona. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435774. NIV-640. Collected November 19, 1976. Interstate 8, 17km east of Yuma, Arizona. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435775. NIV-641. Collected November 19, 1976. Interstate 8, 8km east of Yuma, Arizona. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435776. NIV-812. Collected September 01, 1977. Hwy 51, north side of Rio Grande east of Truth or Consequences, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435777. NIV-890. Collected November 11, 1977. Interstate 8, south of rest stop, 28km west of Uyma, California. Collected by T. E. Thompson. Annual. Wild. Seed.
- 435778. NIV-891. Mexico. Ensenada. Collected November 18, 1977. Along shoreline. Collected by T. E. Thompson. Annual. Wild. Seed.

**435779 TO 435784. *Helianthus nuttallii* Torr. & Gray (Asteraceae)
Nuttall's sunflower.**

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received April 1978.

- 435779. NUT-730. Collected August 22, 1977. Hwy 67, .4km east of

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- Manitou Lake, Colorado. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435780. NUT-734. Collected August 22, 1977. Hwy 85, 14km north of Louriens, Colorado. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.
435781. NUT-740. Collected August 23, 1977. Hwy 40, 7km east of Kremmling, Colorado. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.
435782. NUT-742. Collected August 23, 1977. Hwy 40, 16km west of Steamboat Springs, Colorado. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.
435783. NUT-750. Collected August 24, 1977. Jct of hwy 15 and 115, Payson, Utah. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.
435784. NUT-764. Collected August 25, 1977. Along a hwy, 39km west of Crovada, Nevada. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.

435785 TO 435789. *Helianthus occidentalis* Riddell (Asteraceae).

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435785. OCC-300. Collected 1971. Anahuac, Texas. Perennial herb. Wild. Seed.
435786. OCC-389. Collected September 15, 1976. Ten km on access road to hwy 90A, Rice High School, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.
435787. OCC-393. Collected September 15, 1976. Hwy 77, 24km south of Hallettsville, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.
435788. OCC-878. Collected September 25, 1977. Hwy 137, 5km north of Raymondville, Missouri. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.
435789. OCC-883. Collected September 25, 1977. Hwy 5, 8km north of Mountain Home at jct south of Midway, Arkansas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435790 TO 435794. *Helianthus paradoxus* Heiser (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
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- 435790. PAR-309. Collected October 04, 1975. Pecos Co., Texas. Annual. Wild. Seed.
- 435791. PAR-310. Collected 1972. Pecos Co., Texas. Annual. Wild. Seed.
- 435792. PAR-311. Collected 1972. Pecos Co., Texas. Annual. Wild. Seed.
- 435793. PAR-603. Collected November 03, 1976. Comanche Creek, 16km north of Ft. Stockton, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
- 435794. PAR-703. Annual. Wild. Seed.

435795 TO 435846. *Helianthus petiolaris* Nutt. (Asteraceae) Kansas sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
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- 435795. PET-276. Collected 1975. Chillicothe, Texas. Collected by C. E. Rogers and R. Stafford. Annual. Wild. Seed.
- 435796. PET-277. Collected August 01, 1975. Clarendon, Texas. Collected by C. E. Rogers and R. Stafford. Annual. Wild. Seed.
- 435797. PET-278. Collected July 02, 1975. Haskell Co., Texas. Collected by C. E. Rogers and R. Stafford. Annual. Wild. Seed.
- 435798. PET-279. Collected August 01, 1975. Childress, Texas. Collected by C. E. Rogers and R. Stafford. Annual. Wild. Seed.
- 435799. PET-280. Collected July 02, 1975. Foard Co., Texas. Collected by C. E. Rogers and R. Stafford. Annual. Wild. Seed.
- 435800. PET-291. Collected June 1974. Two km west of Paducah, Texas. Collected by C. E. Rogers and R. Stafford. Annual. Wild. Seed.

435795 TO 435846-continued

435801. PET-334. Collected July 08, 1976. Guymon, Oklahoma. Collected by C. E. Rogers. Annual. Wild. Seed.
435802. PET-336. Collected July 09, 1976. Hwy 83, Turpin, Oklahoma. Collected by C. E. Rogers. Annual. Wild. Seed.
435803. PET-338. Collected July 14, 1976. Chillicothe, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
435804. PET-345. Collected September 13, 1976. Hwy 82, 9km west of Ringgold, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435805. PET-474. Collected September 18, 1976. Hwy 70, 7km northeast of Roswell, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435806. PET-478. Collected September 18, 1976. Hwy 70, 23km northeast of Elkins, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435807. PET-483. Collected October 01, 1976. Hwy 2381, 8km north of Bushland, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435808. PET-485. Collected October 01, 1976. Hwy 1061, 8km west of collection No. 484. Collected by T. E. Thompson. Annual. Wild. Seed.
435809. PET-489. Collected October 01, 1976. Hwy 354, 3km east of Channing, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435810. PET-490. Collected October 01, 1976. Hwy 287, 24km east of hwy 1913, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435811. PET-494. Collected October 04, 1976. Hwy 385, 24km south of Channing, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435812. PET-496. Collected October 04, 1976. Hwy 87, 7km north of Hartley, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435813. PET-497. Collected October 04, 1976. HWY 87, 50km northwest of Dalhart, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435814. PET-499. Collected October 04, 1976. Hwy 56, 37km west of Clayton, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435795 TO 435846-continued

435815. PET-503. Collected October 04, 1976. Hwy 56, 10km east of Abbot, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435816. PET-511. Collected October 04, 1976. Hwy 120, 8km west of Wagon Mound, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435817. PET-513. Collected October 04, 1976. Hwy 120, 3km southeast of Ocate, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435818. PET-514. Collected October 04, 1976. Hwy 21, 1.6km north of La Cueva, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435819. PET-520. Collected October 05, 1976. Hwy 104, Variadero, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435820. PET-522. Collected October 05, 1976. Hwy 104, 31 km northwest of Tucumcari, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435821. PET-524. Collected October 05, 1976. Hwy 66, 1.6km northwest of San Jon, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435822. PET-528. Collected October 05, 1976. Hwy 66, 26km west of Adrian, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435823. PET-532. Collected October 08, 1976. Hwy 84, 3km southeast of Lubbock, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435824. PET-541. Collected October 08, 1976. Hwy 6, 10km north of Gorman, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
435825. PET-550. Collected October 14, 1976. Hwy 287, 19km west of Clarendon, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
435826. PET-551. Collected October 14, 1976. Hwy 287, 1.6km east of Memphis, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
435827. PET-555. Collected October 14, 1976. Hwy 287, 1.6km east of Chillicothe, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.

435795 TO 435846-continued

435828. PET-558. Collected September 27, 1976. Five km east of Melrose, New Mexico. Collected by R. Stafford. Annual. Wild. Seed.
435829. PET-599. Collected November 03, 1976. Hwy 385, Andrews, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
435830. PET-718. Collected August 04, 1977. Hwy 136, 1.6km south of the Oklahoma/Kansas border, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435831. PET-722. Collected August 1977. Jct of hwy 83 and 50, southeast of Garden City, Kansas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435832. PET-724. Collected August 22, 1977. Interstate 25, 1.6km north of Raton, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435833. PET-726. Collected August 22, 1977. Interstate 25, 3km north of New Mexico/Colorado border, Colorado. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435834. PET-728. Collected August 22, 1977. Interstate 25, Exit 55, 3km south of Colorado Springs, Colorado. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435835. PET-731. Collected August 22, 1977. Hwy 67, .4km east of Manitou Lake, Colorado. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435836. PET-738. Collected August 23, 1977. Hwy 6, 8km east of the jct of hwy 6 and 70, Colorado. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435837. PET-743. Collected August 23, 1977. Hwy 40, 2km west of Craig, Colorado. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435838. PET-793. Collected August 30, 1977. Hwy 59 (marker 15), south of Hurricane, Utah. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435839. PET-795. Collected August 30, 1977. Hwy 89, 49km south of Fredonia, Arizona. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435840. PET-797. Collected August 31, 1977. Hwy 264, 27km west of Hotevilla, Arizona. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
435841. PET-800. Collected August 31, 1977. Hwy 264, 7km west of

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Keams Canyon, Arizona. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435842. PET-802. Collected August 31, 1977. Hwy 77, 12km north of 7-Mile Draw, south of Holbrook, Arizona. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435843. PET-808. Collected August 31, 1977. Hwy 180, south of Luna, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435844. PET-814. Collected September 01, 1977. Interstate 25, 5km north of Socorro, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435845. PET-815. Collected September 01, 1977. Hwy 60 (marker 179) east of Socorro, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435846. PET-817. Collected September 01, 1977. Jct of hwy 285 and 60, west of Encino, New Mexico. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435847 TO 435857. Helianthus praecox Engelm. & Gray (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

435847. PRA-380. Collected September 15, 1976. Hwy 146, South La Porte, north of Seabrook, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435848. PRA-388. Collected September 15, 1976. Hwy 90A, 1.6km east of Colorado River, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435849. PRA-416. Collected September 16, 1976. Jct of NAS Dr. and Lakeside Dr., Corpus Christi, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435850. PRA-417. Collected September 16, 1976. Hwy 77, 3km north of Chapman Ranch, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435851. PRA-419. Collected September 16, 1976. Jct of hwy 628 and 77, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.

435852. PRA-424. Collected September 16, 1976. Hwy 77, Riviera, Texas. Collected by T. E. Thompson and C. E. Rogers.

435847 TO 435857—continued
Annual. Wild. Seed.

- 435853.** PRA-429. Collected September 16, 1976. Hwy 285, 16km west of Falfurrias, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435854.** PRA-434. Collected September 16, 1976. Six km east of jct hwy 83 and 44, 8-10 km west of Encinal, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435855.** PRA-437. Collected September 16, 1976. Hwy 2644, 1.6km west of Carrizo Springs, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435856.** PRA-438. Collected September 16, 1976. Hwy 2644, 8km west of Carrizo Springs, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
- 435857.** PRA-439. Collected September 16, 1976. Hwy 2644, 16km west of Carrizo Springs, Texas. Annual. Wild. Seed.

435858 TO 435860. Helianthus pumilus Nutt. (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

- 435858.** PUM-729. Collected August 22, 1977. Hwy 24, north city limits, Manitou Springs, Colorado. Perennial herb. Wild. Seed.
- 435859.** PUM-733. Collected August 22, 1977. Hwy 85, 8km north of Sedalia, Colorado. Perennial herb. Wild. Seed.
- 435860.** PUM-735. Collected August 23, 1977. Hwy 398, 11km southwest of Boulder, Colorado. Perennial herb. Wild. Seed.

435861 TO 435862. Helianthus radula (Pursh) Torr. & Gray (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

- 435861.** RAD-650. Collected 1976. Florida. Collected by S. W. Leonard. Perennial herb. Wild. Seed.
- 435862.** RAD-893. Collected October 22, 1977. On hwy south of jct

435861 TO 435862—continued

with hwy 20, east of Hosford, Liberty Co., Florida.
Collected by S. W. Leonard. Perennial herb. Wild. Seed.

435863 TO 435864. *Helianthus resinosus* Small (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

435863. RES-327. Collected 1972. Perennial herb. Wild. Seed.

435864. RES-834. Collected September 17, 1977. Hwy 49, 7km north of Collins, Mississippi. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435865 TO 435870. *Helianthus rigidus* (Cass.) Desf. (Asteraceae) Stiff sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.
Received April 1978.

435865. RIG-314. Collected 1975. McCloud, Oklahoma. Collected by C. E. Rogers. Perennial herb. Wild. Seed.

435866. RIG-315. Perennial herb. Wild. Seed.

435867. RIG-347. Collected September 13, 1975. Hwy 82, 7km west of St. Jo, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435868. RIG-360. Collected September 14, 1976. Jct of hwy 271 and 410, Rugby, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435869. RIG-737. Collected August 23, 1977. Hwy 93, 7km northwest of Leyden, Colorado. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435870. RIG-855. Collected September 21, 1977. Jct of hwy 901 and 64, .2km east of Statesville, North Carolina. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435871 TO 435875. *Helianthus salicifolius* A. Dietr. (Asteraceae) Willow-leaved sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern

435871 TO 435875—continued

Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received April 1978.

435871. SAL-325. Collected 1975. Chillicothe, Texas. Collected by C. E. Rogers. Perennial herb. Wild. Seed.
435872. SAL-326. Collected 1969. Plant Materials Center, SCS, Manhattan, Kansas. Perennial herb. Wild. Seed.
435873. SAL-349. Collected September 13, 1976. Hwy 82, 1.6km east of Muenster, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.
435874. SAL-617. Perennial herb. Wild. Plants.
435875. SAL-674. Dickenson Co., Kansas. Perennial herb. Wild. Plants.

435876. *Helianthus schweinitzii* Torr. & Gray (Asteraceae).

From United States, Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received April 1978.

SCH-850. Collected September 20, 1977. Jct of hwy 1004 and 1005, south of Chadburn, North Carolina. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.

435877. *Helianthus silphioides* Nutt. (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received April 1978.

SIL-831. Collected September 16, 1977. Hwy 270, 13km south of Wister, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435878 TO 435880. *Helianthus simulans* E. E. Watson (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received April 1978.

435878. SIM-649. Collected 1976. Florida. Collected by S. W.

435878 TO 435880—continued

Leonard. Perennial herb. Wild. Seed.

435879. SIM-652. Collected 1976. Collected by S. W. Leonard. Perennial herb. Wild. Seed.

435880. SIM-837. Collected September 17, 1977. Hwy 90A, 1.6km west of jct with hwy 291, Florida. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.

435881. *Helianthus smithii* Heiser (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received April 1978.

SMI-860. Collected September 22, 1977. South 3km of Walkers Baptist Ch., 10-13km SE of Morganton, North Carolina. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435882 TO 435883. *Helianthus* sp. (Asteraceae).

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received April 1978.

435882. PRA-565. Collected September 28, 1976. Hwy 180, Alma, Arizona. Collected by R. Stafford. Annual. Wild. Seed.

435883. PRA-567. Collected October 01, 1976. Interstate 10, Vail, Arizona. Collected by R. Stafford. Annual. Wild. Seed.

435884 TO 435888. *Helianthus strumosus* L. (Asteraceae) Woodland sunflower.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received April 1978.

435884. STR-301. Perennial herb. Wild. Seed.

435885. STR-824. Collected September 15, 1977. Hwy 270, on Salt Creek, 9km east of Calvin, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435886. STR-852. Collected September 21, 1977. Hwy 64, 16km east

435884 TO 435888-continued

of Siler City, North Carolina. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435887. STR-871. Collected September 23, 1977. Two km east of Paint Rock, Alabama. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435888. STR-873. Collected September 23, 1977. Hwy 43, 1.6km south of Rocky Dale, Tennessee. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435889 TO 435895. *Helianthus tuberosus* L. (Asteraceae) Jerusalem artichoke.

From United States. Donated by T. E. Thompson, USDA Southwestern Great Plains Research Center, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes. Received April 1978.

435889. TUB-322. Collected 1975. Chillicothe, Texas. Perennial herb. Wild. Seed.

435890. TUB-323. Collected 1972. Perennial herb. Wild. Seed.

435891. TUB-346. Collected September 13, 1976. Hwy 82, 11km east of Nacona, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435892. TUB-365. Collected September 14, 1976. Corner of Bell and Hwy 31, Kilgore, Texas. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.

435893. TUB-825. Collected September 15, 1977. Hwy 270, on Coal Creek, west of Stewart, Oklahoma. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435894. TUB-847. Collected September 20, 1977. Hwy 78, 5km west of hwy 61, 10km east of Bamberg, South Carolina. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Plants.

435895. TUB-848. Collected September 20, 1977. Jct of interstate 95 and hwy 378, 7km west of Turberville, South Carolina. Collected by T. E. Thompson and C. E. Rogers. Perennial herb. Wild. Seed.

435896. *Brassica balearica* Pers. (Brassicaceae).

From Spain. Donated by C. Gomez-Campo, Escuela Tecnica Superior de Ingenieros Agronomos, Universidad Politecnica, Madrid-3. Code numbers refer to A Germplasm Collection of Crucifers, 1978 List,

435896-continued

INIA, Madrid.

Received August 1979.

70-1860-70. Spain. Calcareous rocks in mountains north part of Majorca. Wild. Seed.

435897. *Brassica cretica* subsp. *atlantica* (Coss.) Onno (Brassicaceae).

From Spain. Donated by C. Gomez-Campo, Escuela Tecnica Superior de Ingenieros Agronomos, Universidad Politecnica, Madrid-3. Code numbers refer to A Germplasm Collection of Crucifers, 1978 List, INIA, Madrid.

Received August 1979.

74-1952-71. Tunisia. Maritime rocks near El Haouira. Wild. Seed.

435898. *Brassica incana* Ten. (Brassicaceae).

From Spain. Donated by C. Gomez-Campo, Escuela Tecnica Superior de Ingenieros Agronomos, Universidad Politecnica, Madrid-3. Code numbers refer to A Germplasm Collection of Crucifers, 1978 List, INIA, Madrid.

Received August 1979.

86-3820-75. Italy. Littoral, Cape Tindari, Sicily. Wild. Seed.

435899. *Brassica insularis* Moris (Brassicaceae).

From Spain. Donated by C. Gomez-Campo, Escuela Tecnica Superior de Ingenieros Agronomos, Universidad Politecnica, Madrid-3. Code numbers refer to A Germplasm Collection of Crucifers, 1978 List, INIA, Madrid.

Received August 1979.

87-3814-75. Italy. Lighthouse at Cape Caccia, Sardinia. Wild. Seed.

435900 TO 435902. *Brassica oleracea* L. (Brassicaceae).

From Spain. Donated by C. Gomez-Campo, Escuela Tecnica Superior de Ingenieros Agronomos, Universidad Politecnica, Madrid-3. Code numbers refer to A Germplasm Collection of Crucifers, 1978 List, INIA, Madrid.

Received August 1979.

435900. 68-2921-75. German Democratic Repub. Supplied by B. B. Gatersleben. Received as *B. alboglabra*. Wild. Seed.

435900 TO 435902-continued

435901. 95-2191-74. United Kingdom. Swanage, Dorset. Collected by D. Ockendon. Wild. Seed.

435902. 96-2192-74. United Kingdom. Glamorgan, Wales. Collected by D. Ockendon. Wild. Seed.

435903. *Brassica oleracea* subsp. *robertiana* (Gay) Rouy & Fouc. (Brassicaceae).

From Spain. Donated by C. Gomez-Campo, Escuela Tecnica Superior de Ingenieros Agronomos, Universidad Politecnica, Madrid-3. Code numbers refer to A Germplasm Collection of Crucifers, 1978 List, INIA, Madrid.

Received August 1979.

106-3607-75. Spain. Maritime rocks, Cape Norfeo, Gerona Province. Wild. Seed.

435904. *Brassica rupestris* Rafin. (Brassicaceae).

From Spain. Donated by C. Gomez-Campo, Escuela Tecnica Superior de Ingenieros Agronomos, Universidad Politecnica, Madrid-3. Code numbers refer to A Germplasm Collection of Crucifers, 1978 List, INIA, Madrid.

Received August 1978.

121-3822-75. Italy. Limestone rocks, Mt. Pelegrino, near Palermo, Sicily. Wild. Seed.

435905 TO 435909. *Impatiens* sp. (Balsaminaceae).

From Indonesia. Collected by J. R. Hoopper, CRIA-International Rice Research Institute Program, Ujung Pandang.
Received September 1979.

435905. Hoopper 1. Collected January 11, 1979. Roadside slope, km 365 between Rantepao and Palopo, South Sulawesi. Grows only during the wet season. Flowers blue. Wild. Seed.

435906. Hoopper 2. Collected January 11, 1979. Shaded area near stream, km 387 between Rantepao and Palopo, South Sulawesi. Flowers blue. Wild. Seed.

435907. Hoopper 3. Collected August 18, 1979. Kandreapia, Malino, Gowa, South Sulawesi. Collected by Carla and Jim Hoopper. Flowers orange. Wild. Seed.

435908. Hoopper 4. Collected August 19, 1979. Malino waterfall, Malino, Gowa, South Sulawesi. 800-1000m. Flowers pinkish

435905 TO 435909—continued
purple. Wild. Seed.

435909. Hooper 5. Collected August 18, 1979. Malino waterfall, Malino, Gowa, South Sulawesi. 800-1000m. Collected by Carla Hooper. Flowers pink-purple. Wild. Seed.

435910 TO 435915. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae)
Leadtree.

From Mexico. Collected by Beverley B. Moeller, McLean, Virginia, United States.

Received November 1979.

435910. Ajuchtitlan. Ajuchtitlan Plantation near Altamirano, Guerrero. Indigenous. Wild. Seed.

435911. Fiji. Ajuchtitlan Plantation near Altamirano, Guerrero. Cultivated. Seed.

435912. K28. Ajuchtitlan Plantation near Altamirano, Guerrero. Cultivated. Seed.

435913. K67. Ajuchtitlan Plantation near Altamirano, Guerrero. Cultivated. Seed.

435914. Peru. Ajuchtitlan Plantation near Altamirano, Guerrero. Cultivated. Seed.

435915. Rojade Teloloapan. Ajuchtitlan Plantation near Altamirano, Guerrero. Wild. Seed.

435916 TO 435918. *Capsicum chinense* Jacq. (Solanaceae) Aji.

From Mexico. Donated by INIA, Mexican Ministry of Agriculture, Yucatan. Received through R. A. Hamilton, Department of Horticulture, University of Hawaii, Honolulu.

Received October 1979.

435916. Chile Habanero line 1. Selection from 'Habanero'. Cultivated. Breeding material. Seed.

435917. Chile Habanero line 10. Selection from 'Habanero'. Cultivated. Breeding material. Seed.

435918. Chile Habanero line 24. Selection from 'Habanero'. Cultivated. Breeding material. Seed.

435919 TO 435924. *Leucaena retusa* Benth. (Fabaceae).

From United States. Collected by J. L. Brewbaker, Department of

435919 TO 435924—continued

Horticulture, College of Tropical Agriculture, University of Hawaii, Honolulu, Hawaii.

Received November 1979.

435919. 79-1. United States. Hawaii No. K501. Collected August 16, 1979. Green Gulch, Big Bend National Park, Brewster City, Texas. 1,440m. Tree to 4m, in mature fruiting stage. Wild. Seed.
435920. 79-2. United States. Hawaii No. K502. Collected August 16, 1979. Dagger Flats, Big Bend National Park, Brewster City, Texas. 900m. Wild. Seed.
435921. 79-3. United States. Hawaii No. K503. Collected August 17, 1979. Dagger Flats, Big Bend National Park, Brewster City, Texas. 990m. Trees small to 4m. Wild. Seed.
435922. 79-4. United States. Hawaii No. K504. Collected August 16, 1979. Avary Canyon Road, Big Bend National Park, Brewster City, Texas. 780m. Along arroyo. Trees to 4m. Wild. Seed.
435923. 79-5. United States. Hawaii No. K505. Collected August 17, 1979. West 7.1km of Sanderson, Terrell County, Texas. 750m. Trees small to 5m. Wild. Seed.
435924. 79-6. United States. Hawaii No. K506. Collected August 17, 1979. Hwy. 285, 4.8-13km north of Sanderson, Terrell County, Texas. 780m. Trees to 4m. Wild. Seed.

435925 TO 435926. *Leucaena esculenta* (Moc. & Sess.) Benth. (Fabaceae).

From United States. Donated by Northern Regional Research Laboratory, U.S. Department of Agriculture, Peoria, Illinois. Received July 1979.

435925. NU 48505. Mexico. Collected 1968. Yard of Motel Escanto, Hermosillo, Sonora. C. E. Smith, Jr. No. 4735. Single tree 10m tall. Flowers cream. Seed.
435926. NU 49378. Mexico. Collected 1969. Along railroad and Hwy. 40, Monterrey, N.L. T. A. Spitzman No. 1213. Single tree. Seed.

435927 TO 435929. *Leucaena lanceolata* S. Watson (Fabaceae).

From United States. Donated by Northern Regional Research Laboratory, U.S. Department of Agriculture, Peoria, Illinois. Received July 1979.

435927. NU 40714. Mexico. Gentry-Arguelles. No. 18331. Collected

435927 TO 435929—continued

December 1959. West 35km of Colima, Col. 140m. Plants 2m tall, fruiting abundantly, composite sample. Wild. Seed.

435928. NU 40711. Mexico. Gentry-Arguelles. No. 18384. Collected December 1959. Foothills of Sierra Surotato, Sinaloa. 700m. Single tree, regrowth from stump. Wild. Seed.

435929. NU 42473. Mexico. Gentry-Barclay-Agruelles. No. 19645. Collected December 1961. Rio Grande Santiago and Hwy. 15, Nayarit. Trees small, fruiting abundantly, Composite seed sample. Wild. Seed.

**435930 TO 435933. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae)
Leadtree.**

From United States. Donated by Northern Regional Research Laboratory, U.S. Department of Agriculture, Peoria, Illinois. Received July 1979.

435930. NU 33053. Kenya. Chief Research Officer, Nairobi. Wild. Seed.

435931. NU 61027. India. India 2583. Wild. Seed.

435932. NU 61429. Ghana. USDA Economic Botany Laboratory. PR 36978. Collected April 1973. Collected by A. A. Enti. Wild. Seed.

435933. NU 62127. India. USDA Economic Botany Laboratory. PR 43644. Collected May 1974. Collected by R. C. Shah. Wild. Seed.

435934. *Leucaena retusa* Benth. (Fabaceae).

From United States. Donated by Northern Regional Research Laboratory, U.S. Department of Agriculture, Peoria, Illinois. Received July 1979.

NU 40036. United States. College Station, Texas. Texas Agricultural Experiment Station. Wild. Seed.

435935 TO 435936. *Leucaena* sp. (Fabaceae).

From United States. Donated by Northern Regional Research Laboratory, U.S. Department of Agriculture, Peoria, Illinois. Received July 1979.

435935. NU 40791. United States. Gentry-Barclay. No. 18427. Vacant lot in Brownsville, Texas. Rapid-growing single tree. Wild. Seed.

435935 TO 435936—continued

435936. NU 48500. Mexico. C. E. Smith, Jr. No. 4730. Collected May 1968. Near Miramare and Guagmas. Single tree 3-4m, flowers cream. Wild. Seed.

435937. *Leucaena stenocarpa* Urb. (Fabaceae).

From United States. Donated by Northern Regional Research Laboratory, U.S. Department of Agriculture, Peoria, Illinois. Received July 1979.

NU 44772. Mexico. Collected September 1962. Along San Luis Potosi Hwy., 20km west of Rio Verde, S.L.P. Wild. Seed.

435938. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From United States. Donated by J. W. Sigrist, Weslaco, Texas. Received May 1979.

Vacant lot in Weslaco, Texas. Trees 4-6m tall. Wild. Seed.

435939 TO 435940. *Leucaena* sp. (Fabaceae).

From United States. Donated by J. W. Sigrist, Weslaco, Texas. Received May 1979.

435939. Street in Weslaco, Texas. Wild. Seed.

435940. Vacant lot in Weslaco, Texas. Wild. Seed.

435941. *Cucumis melo* L. (Cucurbitaceae) Muskmelon.

From China, Peoples Repub of. Donated by Hua-zung Li, Agriculture Commune Representative, Changchun, Kirin Province. Received through The Adult Education Association Study Tour to China, 1979. Received September 1979.

Sweet melon with thin, edible rind. Melons of various sizes, slightly tapered, shaped like large cucumbers. Cultivated. Seed.

435942. *Medicago sativa* L. (Fabaceae) Alfalfa.

From Saudi Arabia. Donated by N. Atallah, Agriprojects Saudi Arabia, SOGEDC, Jeddah, Riyadh. Received through United States-Saudi Arabian Joint Commission on Economic Cooperation.

435942-continued

Received November 1979.

'Hasawi'. Locally grown type. Also see PI 435134.
Cultivated. Seed.

435943. Eleusine coracana (L.) Gaertn. (Poaceae) Finger millet.

From India. Donated by Matri Mandir Gardens, Auroville-Pondichery.
Received through National Bureau of Plant Genetic Resources, New Delhi.
Received June 1979.

South India. Used as porridge after grinding and some
fermentation. Local name Ragi. Cultivated. Primitive
cultivar. Seed.

435944. Paspalum scrobiculatum L. (Poaceae) Kodo.

From India. Donated by Matri Mandir Gardens, Auroville-Pondichery.
Received through National Bureau of Plant Genetic Resources, New Delhi.
Received June 1979.

South India. Substituted for rice and cooked with
vegetables. Local name varagu. Cultivated. Primitive
cultivar. Seed.

435945. Capsicum annuum L. (Solanaceae).

From Soviet Union. Donated by A. N. Lukyanenko, Plant Breeding
Station, Krasnodar.
Received October 1979.

Kolokolchik 808. Cultivated. Seed.

435946 TO 435947. Cucumis sativus L. (Cucurbitaceae) Cucumber.

From Soviet Union. Donated by A. N. Lukyanenko, Plant Breeding
Station, Krasnodar.
Received October 1979.

435946. Konkurent. Cultivated. Seed.

435947. Parad. Cultivated. Seed.

435948 TO 435953. Lycopersicon esculentum Mill. (Solanaceae) Tomato.

From Soviet Union. Donated by A. N. Lukyanenko, Plant Breeding
Station, Krasnodar.
Received October 1979.

435948 TO 435953-continued

- 435948. Cross 525. Cultivated. Seed.**
- 435949. Cross 1027/5. Cultivated. Seed.**
- 435950. Fakel. Cultivated. Seed.**
- 435951. Kolokolchik. Cultivated. Seed.**
- 435952. Polyet. Cultivated. Seed.**
- 435953. Surpiz 540. See PI 414169. Cultivated. Seed.**

435954 TO 435962. *Lens culinaris* Medik. (Fabaceae) Lentil.

From Iran. Donated by Regional Pulse Improvement Project, Tehran.
Received through W.J. Kaiser, Western Regional Plant Introduction
Station, Pullman, Wash.
Received June 1979.

- 435954. 33-039-11177. Cyprus. Collected 1971. Bush type.
Cultivated. Seed.**
- 435955. 33-071-10436. Iran. Collected 1971. Ghazvin. Bush type.
Local name Adas. Cultivated. Seed.**
- 435956. 33-071-10450. Iran. Ministry of Agriculture. 64-16s.
Collected 1971. Karaj. Bush type. Local name Adas.
Cultivated. Seed.**
- 435957. 33-071-10903. Iran. Ministry of Agriculture. 209-48.
Collected 1971. Isfahan. Bush type. Small seeded. Local
name Adas. Cultivated. Seed.**
- 435958. 33-071-11175. Iran. Collected 1971. Arasbaran. Bush type.
Local name Adas. Cultivated. Seed.**
- 435959. 33-085-11147. Lebanon. Collected 1971. Bush type.
Cultivated. Seed.**
- 435960. Iran. Collected 1966. Ghazvin area. Bush type. Seeds
large. Susceptible to virus and root rots. Cultivated.
Seed.**
- 435961. Iran. Collected 1966. Isfahan area. Bush type. Seeds
small, reddish-brown. Some resistance to virus and root
rot. Cultivated. Seed.**
- 435962. Iran. Collected 1970. Hammadan area. Bush type. Seeds
small, reddish-brown. Possible insect resistance.
Cultivated. Seed.**

435963 TO 435970. *Oryza sativa* L. (Poaceae) Rice.

From Japan. Donated by K. Furusato, Kihara Institute for Biological Research, Yataohara, Mishimi-shi, Shizuoka-Ken. Received through Chao-Hwa Hu, N.F. Davis Drier & Elevator, Inc., Firebaugh, California.
Received July 1979.

- 435963. NFD-I-001. Aromatic. Cultivated. Breeding material. Seed.
- 435964. NFD-I-002. Aromatic. Cultivated. Breeding material. Seed.
- 435965. NFD-I-003. Aromatic. Cultivated. Breeding material. Seed.
- 435966. NFD-I-004. Aromatic. Cultivated. Breeding material. Seed.
- 435967. NFD-I-005. Aromatic. Cultivated. Breeding material. Seed.
- 435968. NFD-I-006. Aromatic. Cultivated. Breeding material. Seed.
- 435969. NFD-I-007. Aromatic. Cultivated. Breeding material. Seed.
- 435970. NFD-I-008. Indonesia. Salt water tolerant. Cultivated. Breeding material. Seed.

435971 TO 435976. *Oryza sativa* L. (Poaceae) Rice.

From Korea, Republic of. Donated by H. P. Moon, Crop Improvement Research Center, Suweon.
Received July 1979.

- 435971. Nong Baek. Cultivated. Seed.
- 435972. Suweon. Cultivated. Seed.
- 435973. Suweon 258. Cultivated. Seed.
- 435974. Suweon 264. Cultivated. Seed.
- 435975. Milyang 21. Cultivated. Seed.
- 435976. Milyang 29. Cultivated. Seed.

435977. *Oryza sativa* L. (Poaceae) Rice.

From Austria. Donated by K. Mikaelson, International Atomic Energy Agency, Vienna.
Received July 1979.

- Nucleoryza. Cultivated. Seed.

**435978 TO 435984. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae)
Leadtree.**

From Mexico. Donated by Instituto Nacional de Investigaciones
Agrícolas, CIAPY, Merida, Yucatan.
Received July 1979.

435978. CPY 426. Single, small shrubby tree, drought tolerant,
slow ratoon growth. Mimosine percent in leaves-young,
2.6; mature, 2.0. Cultivated. Seed.
435979. CPY 645. Single tree, drought tolerant, rapid ratoon
growth. Mimosine percent in leaves-young, 3.1; mature,
1.7. Cultivated. Seed.
435980. CPY 658. Single shrubby tree, fair drought tolerance,
slow ratoon growth. Mimosine percent in leaves-young,
3.1; mature, 2.2. Cultivated. Seed.
435981. CPY 966. Single shrubby tree, fair drought tolerance,
slow ratoon growth. Mimosine percent in leaves-young,
0.34; mature, 0.19. Cultivated. Seed.
435982. CPY 1002. Single shrubby tree, fair drought tolerance,
slow ratoon growth. Mimosine percent in leaves-young,
2.0; mature, 0.7. Cultivated. Seed.
435983. CPY 1051. Tree erect, fair drought tolerance, slow
ratoon growth. Mimosine percent in leaves-young, 3.0;
mature, 0.7. Cultivated. Seed.
435984. CPY 1054. Single shrubby tree, fair drought tolerance,
slow ratoon growth. Mimosine percent in leaves-young;
2.1; mature, 0.8. Cultivated. Seed.

435985 TO 435986. *Oryza sativa* L. (Poaceae) Rice.

From Australia. Donated by Department of Agriculture, Sydney, New
South Wales.
Received November 1979.

435985. YR 71003-9. Cultivated. Seed.
435986. YR 71011-1. Cultivated. Seed.

435987 TO 435989. *Oryza sativa* L. (Poaceae) Rice.

From Hungary. Donated by Research Centre for Agrobotany,
N.I.A.V.I., Tapioszele.
Received November 1979.

435987. I-11-101. Dubovszkij 129. Soviet Union. Cultivated. Seed.

435987 TO 435989-continued

435988. I-11-573. Kakai 203. Cultivated. Seed.

435989. I-11-520. Szarvasi 70. Cultivated. Seed.

**435990 TO 435991. Citrullus lanatus (Thunb.) Matsum. & Nakai
(Cucurbitaceae) Watermelon.**

From China, Peoples Repub of. Collected by E. V. Wann, U. S. Vegetable Laboratory, Charleston, South Carolina. Received through the 1979 U. S. Plant Germplasm Team to Peoples Republic of China.
Received October 1979.

435990. 'Chou Cheh Red'. China, Peoples Repub of. Me Shan, Shaanxi Province. Fruit Tree Inst., Shaanxi Acad. for Agr. & For. Collected September 08, 1979. Grown at foot of Chen Len Mountains. Fruits oval, 5-6kg each, striped. Flesh sweet with good texture. Seeds small. Maturity after transplanting 100-110 days. Cultivated. Seed.

435991. 'Tso Hua'. China, Peoples Repub of. Me Shan, Shaanxi Province. Fruit Tree Inst., Shaanxi Acad. for Agr. & For. Collected September 08, 1979. Grown at foot of Chen Len Mountains. Flesh sweet and of good quality. Maturity early. Cultivated. Seed.

435992. Cucumis melo L. (Cucurbitaceae) Muskmelon.

From China, Peoples Repub of. Collected by E. V. Wann, U. S. Vegetable Laboratory, Charleston, South Carolina. Received through the 1979 U. S. Plant Germplasm Team to Peoples Republic of China.
Received October 1979.

'Hami Gua'. China, Peoples Repub of. Taian, Shandong Province. Dept. of Horticulture, Shandong Agricultural Col. Collected August 29, 1979. Grown in Tulutan District, Xinjiang Province. Fruit light yellow, thin skinned. Flesh crisp, sweet. Cultivated. Seed.

435993. Panicum maximum Jacq. (Poaceae) Guineagrass.

From Japan. Donated by Laboratory of Forage Crop Breeding, Pasture Plants Division, Nat. Grassland Research Institute, Nasu-gun, Tochigi. Received through the United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to 1976 National Grassland Research Institute listing.
Received December 1978.

435993-continued

N2-GR297 73/1126. Diploid. Cultivated. Seed.

435994. *Paspalum* hybrid (Poaceae).

From Japan. Donated by Tropical Grass Breeding Laboratory, Grassland Division, Kyushu Nat. Agri. Expt. Station, Kikuchigun, Kumamoto. Received through the United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to 1976 National Grassland Research Institute listing. Received December 1978.

KU2-DXT. *P. dilatatum* x *P. thunbergii*. Cultivated. Seed.

435995. *Paspalum thunbergii* Kunth ex Steud. (Poaceae).

From Japan. Donated by Tropical Grass Breeding Laboratory, Grassland Division, Kyushu Nat. Agri. Expt. Station, Kikuchigun, Kumamoto. Received through the United States-Japan National Resources Project on forage crop germplasm. Code numbers refer to 1976 National Grassland Research Institute listing. Received December 1978.

KU2-001. Kumamoto. Cultivated. Seed.

435996. *Dactylis glomerata* L. (Poaceae) Orchardgrass.

From Morocco. Collected by J. T. O'Rourke, Minnesota Project, U. S. Agency for International Development, Rabat. Received August 1978.

Timahdite Research Station near Azrou. Wild. Seed.

435997 TO 435998. *Festuca arundinacea* Schreb. (Poaceae) Tall fescue.

From Morocco. Collected by J. T. O'Rourke, Minnesota Project, U. S. Agency for International Development, Rabat. Received August 1978.

435987. Collected November 07, 1978. Timahdite Research Station near Azrou. Wild. Seed.

435998. Timahdite Research Station near Azrou. Wild. Seed.

435999. *Festuca* sp. (Poaceae).

From Morocco. Collected by J. T. O'Rourke, Minnesota Project, U.

435999-continued

S. Agency for International Development, Rabat.
Received August 1978.

Timahdite Research Station near Azrou. Similar to
Festuca rubra. Wild. Seed.

436000. *Lotus corniculatus* L. (Fabaceae) Birdsfoot trefoil.

From Morocco. Collected by J. T. O'Rourke, Minnesota Project, U.
S. Agency for International Development, Rabat.
Received August 1978.

Timahdite Research Station near Azrou. Wild. Seed.

436001. *Phleum* sp. (Poaceae).

From Morocco. Collected by J. T. O'Rourke, Minnesota Project, U.
S. Agency for International Development, Rabat.
Received August 1978.

Timahdite Research Station near Azrou. Wild. Seed.

436002. *Poa* sp. (Poaceae).

From Morocco. Collected by J. T. O'Rourke, Minnesota Project, U.
S. Agency for International Development, Rabat.
Received August 1978.

Timahdite Research Station near Azrou. Wild. Seed.

436003. *Sanguisorba minor* Scop. (Fabaceae).

From Morocco. Collected by J. T. O'Rourke, Minnesota Project, U.
S. Agency for International Development, Rabat.
Received August 1978.

Timahdite Research Station near Azrou. Wild. Seed.

436004. *Secale* sp. (Poaceae).

From Morocco. Collected by J. T. O'Rourke, Minnesota Project, U.
S. Agency for International Development, Rabat.
Received August 1978.

Timahdite Research Station near Azrou. Wild. Seed.

436005. *Stipa* sp. (Poaceae).

From Morocco. Collected by J. T. O'Rourke, Minnesota Project, U. S. Agency for International Development, Rabat.
Received August 1979.

Timahdite Research Station near Azrou. Wild. Seed.

436006. *Trifolium* sp. (Fabaceae).

From Morocco. Collected by J. T. O'Rourke, Minnesota Project, U. S. Agency for International Development, Rabat.
Received August 1979.

Timahdite Research Station near Azrou. Perennial herb.
Wild. Seed.

436007 TO 436008. *Avena byzantina* K. Koch (Poaceae) Red oats.

From Chile. Collected by A. S. Barclay and J. C. Craddock, Economic Botany and Germplasm Resources Laboratories, USDA Agricultural Research Center, Beltsville, Maryland.
Received April 1979.

436007. 37. Collected February 05, 1979. Cultivated field of *Avena sativa*, 3km west of Labranza, Cautin Province. 250m. Lemma black. Awns short, twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.

436008. 259. Collected February 14, 1979. Wheat field, 12km northwest of La Union, Valdivia Province. 100m. Lemma red. Awns short, straight. Panicles erect, equilateral. Wild. Seed.

436009 TO 436024. *Avena fatua* L. (Poaceae) Wild oats.

From Chile. Collected by A. S. Barclay and J. C. Craddock, Economic Botany and Germplasm Resources Laboratories, USDA Agricultural Research Center, Beltsville, Maryland.
Received April 1979.

436009. 6. Collected February 04, 1979. Wheat field, Pan American hwy, 5km north of Victoria, Malleco Province. 150m. Lemma black, densely pubescent. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.

436010. 7. Collected February 04, 1979. Wheat field, Pan American hwy, 4km north of Victoria, Malleco Province. 150m. Lemma black, densely pubescent. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild.

436011. 13. Collected February 04, 1979. Wheat field, Pan American hwy, 6km north of Lautaro, Cautin Province. 150m. Lemma black, densely pubescent. Awns twisted, geniculate, black. Glumes light tan. Panicles erect, equilateral. Wild. Seed.
436012. 33. Collected February 05, 1979. Wheat field, along road from Temuco, 2km east of Chol Chol, Cautin Province. 300m. Lemma black, pubescent. Awns twisted, geniculate, black with brown pubescence. Glumes and straw white. Panicles erect, equilateral. Wild. Seed.
436013. 78. Collected February 06, 1979. Road side, 0.5km west of Barros Arana, Cautin Province. Lemma black with black pubescence. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436014. 107. Collected February 06, 1979. Wheat field, 1 km west of Nueva Tolten, Cautin Province. 100m. Lemma black. Awns subgeniculate, black. Glumes and straw white. Panicles erect, equilateral. Wild. Seed.
436015. 138. Collected February 07, 1979. Wheat field, 5km northwest of Peleco, Arauco Province. 100m. Lemma black, densely pubescent. Awns short, geniculate, black with black pubescence. Panicles erect, equilateral. Wild. Seed.
436016. 217. Collected February 09, 1979. Wheat field, 4km west of Rancul, Cautin Province. 100m. Lemma black, pubescent. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436017. 221. Collected February 11, 1979. Wheat field, 14km east of Carahue, Cautin Province. 15m. Lemma black. Awns twisted, geniculate, black, pubescent. Panicles erect, equilateral. Wild. Seed.
436018. 224. Collected February 11, 1979. Fence row next to cultivated field, 12km east of Carahue, Cautin Province. 15m. Lemma red. Awns twisted, geniculate, black, pubescent. Panicles erect, equilateral. Wild. Seed.
436019. 238. Collected February 11, 1979. Wheat field, 10km east of Puerto Saavedra, Cautin Province. 15m. Lemma black. Awns twisted, geniculate, black with basal pubescence. Panicles erect, equilateral. Wild. Seed.
436020. 244. Collected February 12, 1979. Chol Chol, Cautin Province. Obtained from an indian by Ivan Pinto, Chol Chol Foundation, Nueve Imperial. Lemma black. Awns twisted, geniculate, black, pubescent. Panicles erect,

436009 TO 436024—continued

equilateral. Wild. Seed.

436021. 276. Collected February 14, 1979. Wheat field, 14km north of La Union, Valdivia Province. 150m. Lemma red. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436022. 278. Collected February 14, 1979. Wheat field, 22km southeast of Valdivia, Valdivia Province. 200m. Lemma black, pubescent. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436023. 309. Collected February 15, 1979. Wheat field, 4km NW of Puerto Retti, S shore of Lago Ranco, Valdivia Prov. 100m. Lemma black with black pubescence. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436024. 319. Collected February 15, 1979. Wheat field, Llihue (Lago Ranco), Valdivia Province. 100m. Lemma black with black pubescence. Awns twisted, geniculate, black. Glumes and straw white. Panicles erect, equilateral. Wild. Seed.

436025 TO 436102. *Avena sativa* L. (Poaceae) Common oat.

From Chile. Collected by A. S. Barclay and J. C. Craddock, Economic Botany and Germplasm Resources Laboratories, USDA Agricultural Research Center, Beltsville, Maryland. Received April 1979.

436025. 36. Collected February 05, 1979. Small field, 3km west of Labranza, Cautin Province. 250m. Lemma red. Awns short, geniculate, red. Panicles nodding to erect, equilateral. Cultivated. Seed.
436026. 38. Collected February 05, 1979. Indian field, 5km W of Maquehua, betw. R. Imperial and Quepe, Cautin Prov. 200m. Lemma black. Awns short, twisted, geniculate, black. Glumes white. Panicles erect to nodding, equilateral. Cultivated. Seed.
436027. 41. Collected February 05, 1979. Wheat field, 8km W of Maquehua, betw. R. Imperial and Quepe, Cautin Prov. 200m. Lemma black. Awns short, twisted, geniculate, black. Glumes white. Panicles erect, equilateral. Cultivated. Seed.
436028. 52. Collected February 05, 1979. Wheat field, 22km west of Maquehua, Cautin Province. Lemma black. Awns short, twisted, geniculate, black. Glumes white. Panicles erect, equilateral. Cultivated. Seed.

436025 TO 436102-continued

436029. 57. Collected February 05, 1979. Wheat field, 20km W of Maquehua, betw. R. Imperial and Quepe, Cautin Prov. 150m. Lemma black. Awns short, twisted, subgeniculate, black. Panicles erect, equilateral. Cultivated. Seed.
436030. 58. Collected February 05, 1979. Cult. field, 18km W of Maquehua, betw. R. Imperial and Quepe, Cautin Prov. 150m. Lemma red. Awns short, straight, geniculate, red. Glumes white. Panicles erect, equilateral. Cultivated. Seed.
436031. 69. Collected February 06, 1979. Wheat field, 10km west of Freire, Cautin Province. 250m. Lemma gray. Panicles erect, equilateral. Seeds small. Cultivated. Seed.
436032. 71. Collected February 06, 1979. Small field, 10km west of Freire, Cautin Province. 250m. Lemma white. Panicles erect, equilateral. Cultivated. Seed.
436033. 76. Collected February 06, 1979. Small field, 12km west of Freire, Cautin Province. 250m. Lemma red. Awns subgeniculate, black. Glumes white. Panicles erect, equilateral. Straw yellow-red. Cultivated. Seed.
436034. 85. Collected February 06, 1979. Wheat field, 4km west of Barros Arana, Cautin Province. 250m. Lemma red. Awnless. Panicles erect, unilateral. Cultivated. Seed.
436035. 91. Collected February 06, 1979. Wheat field, 4.5km west of Barros Arana, Cautin Province. 250m. Lemma red. Awns subgeniculate, red. Panicles erect, unilateral. Cultivated. Seed.
436036. 97. Collected February 06, 1979. Wheat field, 10km west of Barros Arana, Cautin Province. 250m. Lemma red to black. Awns subgeniculate, black. Panicles semi-erect, unilateral. Cultivated. Seed.
436037. 103. Collected February 06, 1979. Wheat field, 3km west of Teodoro Schmidt, Cautin Province. 200m. Lemma black with basal pubescence. Awnless. Panicles erect, equilateral. Cultivated. Seed.
436038. 109. Collected February 06, 1979. Barley field, 2km east of Nueva Tolten, Cautin Province. 100m. Lemma yellow. Awns twisted, geniculate, black with long basal pubescence. Panicles erect, unilateral. Cultivated. Seed.
436039. 112. Collected February 06, 1979. Wheat field, 8km east of Cumuy, Cautin Province. 250m. Lemma yellow. Awnless. Panicles erect, equilateral. Cultivated. Seed.
436040. 116. Collected February 06, 1979. Wheat field, 10km east

436025 TO 436102-continued

- of Cumuy, Cautin Province. 250m. Lemma yellow. Awnless. Panicles erect, unilateral. Cultivated. Seed.
436041. 118. Collected February 06, 1979. Cultivated field, 9km west of Pitrufquen, Cautin Province. 250m. Lemma red. Awnless. Panicles erect, equilateral. Cultivated. Seed.
436042. 119. Collected February 06, 1979. Cultivated field, 8km west of Pitrufquen, Cautin Province. 250m. Lemma red. Awns straight, red. Panicles erect, equilateral. Cultivated. Seed.
436043. 129. Collected February 07, 1979. Wheat field, 1 km west of Traiguen, Malleco Province. 250m. Lemma red. Awns short, subgeniculate, red. Glumes white. Panicles erect, equilateral. Cultivated. Seed.
436044. 136. Collected February 07, 1979. Wheat field, 3km west of Peleco, Arauco Province. 100m. Lemma yellow. Awns short, straight, yellow. Panicles erect, unilateral. Cultivated. Seed.
436045. 170. Collected February 07, 1979. Wheat field, 12km east of Contulmo, Arauco Province. 700m. Lemma white. Awnless. Glumes and straw white. Panicles erect, equilateral. Cultivated. Seed.
436046. 180. Collected February 07, 1979. Wheat field, Molino Regina, Malleco Province. 200m. Lemma white. Awnless. Glumes and straw white. Panicles erect to inclined, unilateral. Cultivated. Seed.
436047. 182. Collected February 08, 1979. Cultivated field, 16km east of Lautaro near Agua Santa, Cautin Province. 200m. Lemma red. Awns subgeniculate, red. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436048. 184. Collected February 08, 1979. Wheat field, 2km south of Curacautin, Malleco Province. 150m. Lemma white. Awns short, subgeniculate, black. Glumes and straw white. Panicles erect, unilateral. Cultivated. Seed.
436049. 186. Collected February 08, 1979. Wheat field, 2km south of Curacautin, Malleco Province. 150m. Lemma black. Awns short, subgeniculate, black. Panicles erect, equilateral. Cultivated. Seed.
436050. 192. Collected February 08, 1979. Wheat field, 1 km east of La Somba, Malleco Province. 250m. Lemma black. Awns geniculate, black. Panicles erect, equilateral. Cultivated. Seed.
436051. 201. Collected February 08, 1979. Cultivated field,

436025 TO 436102-continued

- Comunidad Pedre Groso, Malleco Province. 600m. Lemma white. Awnless. Glumes white. Straw white (few purple). Panicles erect, equilateral. Cultivated. Seed.
436052. 207. Collected February 09, 1979. Cultivated field, 10km east of Pitrufulquen, Cautin Province. 100m. Lemma yellow. Awnless. Glumes and straw white. Panicles erect, equilateral. Local name Nehuen. Cultivated. Seed.
436053. 216. Collected February 09, 1979. Wheat field, 4km west of Rancul, Cautin Province. 100m. Lemma yellow. Awnless. Panicles erect, unilateral. Cultivated. Seed.
436054. 231. Collected February 11, 1979. Wheat field, along seacoast, 2km south of Puerto Saavedra, Cautin Province. 5m. Lemma red. Awns short, twisted, subgeniculate, red. Panicles erect, equilateral. Cultivated. Seed.
436055. 262. Collected February 14, 1979. Wheat field, 9km north of La Union, Valdivia Province. 100m. Lemma yellow. Awns subgeniculate, brown. Panicles erect, equilateral. Cultivated. Seed.
436056. 265. Collected February 14, 1979. Wheat field, 10km north of La Union, Valdivia Province. 100m. Lemma yellow. Awnless. Panicles erect, unilateral. Cultivated. Seed.
436057. 283. Collected February 14, 1979. Cultivated field, 10km southeast of Valdivia, Valdivia Province. 50m. Lemma yellow. Awnless. Panicles erect, equilateral. Cultivated. Seed.
436058. 285. Collected February 15, 1979. Cultivated field, 13km east of Rio Bueno, Valdivia Province. 100m. Lemma yellow. Awnless. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436059. 287. Collected February 15, 1979. Cultivated field, 14km east of Rio Bueno, Valdivia Province. 100m. Lemma white. Awnless. Glumes and straw white. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436060. 292. Collected February 15, 1979. Wheat field, 14km east of Rio Bueno, Valdivia Province. 100m. Lemma black, pubescent. Awns short, subgeniculate, black. Glumes and straw white. Panicles erect, equilateral. Cultivated. Seed.
436061. 293. Collected February 15, 1979. Cultivated field, 14km east of Rio Bueno, Valdivia Province. 100m. Lemma white. Awns short, straight, white. Glumes and straw white. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.

436025 TO 436102-continued

436062. 296. Collected February 15, 1979. Cultivated field, 15km east of Rio Bueno, Valdivia Province. 150m. Lemma yellow. Awnless. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436063. 301. Collected February 15, 1979. Wheat field, 20km east of Rio Bueno, Valdivia Province. 150m. Lemma yellow. Awnless. Panicles erect, equilateral. Cultivated. Seed.
436064. 305. Collected February 15, 1979. Wheat field, 30km east of Rio Bueno, Valdivia Province. 150m. Lemma yellow. Awnless. Panicles erect, equilateral. Cultivated. Seed.
436065. 306. Collected February 15, 1979. Cultivated field, 30km east of Rio Bueno, Valdivia Province. 150m. Lemma white. Awns short, subgeniculate, black. Glumes and straw white. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436066. 313. Collected February 15, 1979. Wheat field, Puerto Retti (Lago Ranco), Valdivia Province. 100m. Lemma white. Awnless. Panicles erect, equilateral. Cultivated. Seed.
436067. 317. Collected February 15, 1979. Cultivated field, 2km west of Llihue (Lago Ranco), Valdivia Province. 100m. Lemma white. Awns short, straight, white. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436068. 322. Collected February 15, 1979. Wheat field, 2km east of Llihue (Lago Ranco), Valdivia Province. 100m. Lemma black. Awns subgeniculate, black. Glumes and straw white. Panicles erect, equilateral. Cultivated. Seed.
436069. 323. Collected February 15, 1979. Wheat field, 2km east of Llihue (Lago Ranco), Valdivia Province. 100m. Lemma yellow. Awnless. Glumes white. Panicles erect, unilateral. Cultivated. Seed.
436070. 323A. Collected February 15, 1979. Wheat field, 2km east of Llihue (Lago Ranco), Valdivia Province. 100m. Lemma yellow. Awns short, straight, white. Panicles erect, equilateral. Cultivated. Seed.
436071. 325. Collected February 15, 1979. Wheat field, 5km east of Llihue (Lago Ranco), Valdivia Province. 100m. Lemma yellow. Awns subgeniculate, tan. Panicles erect, equilateral. Cultivated. Seed.
436072. 327. Collected February 15, 1979. Cultivated field, 2km west of Puerto Nuevo (Lago Ranco), Valdivia Province. 75m. Lemma yellow. Awns straight, tan. Glumes white. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.

436073. 329. Collected February 15, 1979. Wheat field, 1 km west of Futrono (Lago Ranco), Valdivia Province. 100m. Lemma yellow. Awnless. Glumes white. Panicles erect, unilateral. Cultivated. Seed.
436074. 336. Collected February 16, 1979. Rye field, 11km west of Santa Elisa, Valdivia Province. 300m. Lemma black. Awns twisted, geniculate, black. Panicles erect, equilateral. Cultivated. Seed.
436075. 340. Collected February 17, 1979. Cultivated field, 8km south of Rio Negro, Osorno Province. 100m. Lemma yellow. Awnless. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436076. 344. Collected February 17, 1979. Cultivated field, 10km south of Rio Negro, Osorno Province. 100m. Lemma yellow. Awns short, straight, tan. Panicles erect, equilateral. Straw yellow and purple. Plants uniform. Cultivated. Seed.
436077. 347. Collected February 17, 1979. Wheat field, 7km south of Purranque, Osorno Province. 100m. Lemma yellow. Awns twisted, geniculate, black. Panicles erect, unilateral. Cultivated. Seed.
436078. 348. Collected February 17, 1979. Wheat field, 7km south of Purranque, Osorno Province. 100m. Lemma yellow. Awns short, straight, brown. Glumes white. Straw purple. Panicles erect, equilateral. Cultivated. Seed.
436079. 351. Collected February 17, 1979. Wheat field, 8km south of Purranque, Osorno Province. 100m. Lemma white. Awns short, straight, tan. Glumes white. Panicles erect, equilateral. Cultivated. Seed.
436080. 353. Collected February 17, 1979. Wheat field, 2km west of Crucero, Osorno Province. 150m. Lemma yellow. Awns twisted, geniculate, brown. Panicles erect, equilateral. Cultivated. Seed.
436081. 356. Collected February 17, 1979. Edge of field, 5km west of Crucero, Osorno Province. 150m. Lemma yellow. Awns short, twisted, geniculate, black. Panicles erect, equilateral. Cultivated. Seed.
436082. 361. Collected February 17, 1979. Barley field, 11km south of Fresia, Llanquihue Province. 100m. Lemma gray. Awns twisted, geniculate, black. Panicles erect, equilateral. Cultivated. Seed.
436083. 370. Collected February 17, 1979. Wheat field, 2km south of Rio Frio, Llanquihue Province. 100m. Lemma yellow.

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- Awns twisted, geniculate, black. Panicles erect, unilateral. Cultivated. Seed.
436084. 374. Collected February 17, 1979. Wheat field, 5km south of Rio Frio, Llanquihue Province. 100m. Lemma yellow. Awns subgeniculate, black. Panicles erect, unilateral. Cultivated. Seed.
436085. 375. Collected February 17, 1979. Barley field, 6km south of Rio Frio, Llanquihue Province. 100m. Lemma yellow. Awns twisted, geniculate, black. Panicles erect, unilateral. Cultivated. Seed.
436086. 377. Collected February 17, 1979. Cultivated field, 6km south of Rio Frio, Llanquihue Province. 100m. Lemma yellow. Awns short, straight, tan. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436087. 378. Collected February 17, 1979. Cultivated field, 8km south of Rio Frio, Llanquihue Province. 100m. Lemma yellow. Awnless. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436088. 385. Collected February 17, 1979. Cultivated field, 5km east of Los Muermos, Llanquihue Province. 75m. Lemma white. Awnless. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436089. 387. Collected February 18, 1979. Cultivated field, Puerto Montt, Llanquihue Province. 25m. Lemma white. Awns short, straight, tan. Glumes white. Straw purple. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436090. 388. Collected February 18, 1979. Cultivated field, Puerto Montt, Llanquihue Province. 25m. Lemma white. Awns short, straight, tan. Glumes white. Panicles small, erect, equilateral. Plants uniform. Cultivated. Seed.
436091. 391. Collected February 18, 1979. Cultivated field, 12km east of Puerto Montt, Llanquihue Province. 5m. Lemma white. Awns twisted, geniculate, black. Glumes white. Straw purple. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436092. 392. Collected February 18, 1979. Cultivated field, 1 km west of Quillaípe, Llanquihue Province. 3m. Lemma white. Awns short, straight, tan. Glumes white. Straw purple. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436093. 393. Collected February 18, 1979. Cultivated field, 38km south of Ancud, Chiloe Province. 25m. Lemma yellow. Awns

436025 TO 436102-continued

twisted, geniculate, black. Glumes white. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.

436094. 398. Collected February 19, 1979. Wheat field, 11km north of Castro, Chiloe Province. 25m. Lemma yellow. Awns twisted, geniculate, black. Panicles erect, equilateral. Cultivated. Seed.
436095. 409. Collected February 19, 1979. Cultivated field, 2km north of Castro, Chiloe Province. 25m. Lemma black. Awnless. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436096. 414. Collected February 19, 1979. Cultivated field, 12km south of Castro, Chiloe Province. 35m. Lemma gray. Awns twisted, geniculate, black. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436097. 421. Collected February 19, 1979. Cultivated field, 6km north of Teupa, Chiloe Province. 20m. Lemma yellow. Awns twisted, geniculate, black. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436098. 426. Collected February 20, 1979. Cultivated field, 2km west of Dalcahue, Chiloe Province. 15m. Lemma yellow. Awns twisted, geniculate, black. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436099. 479. Collected February 20, 1979. Cultivated field, 12km south of Achao, Isla Quinchao, Chiloe Province. 15m. Lemma yellow. Awns long, straight, brown. Panicles erect, equilateral. Cultivated. Seed.
436100. 510. Collected February 23, 1979. Wheat field, 20km west of Temuco, Cautin Province. 100m. Lemma black. Awns subgeniculate, black. Panicles erect, equilateral. Cultivated. Seed.
436101. 511. Collected February 23, 1979. Cultivated field, 5km west of Quepe, Cautin Province. 150m. Lemma red. Awns short, straight, red. Panicles erect, equilateral. Plants uniform. Cultivated. Seed.
436102. 515. Collected February 23, 1979. Wheat field, 12km west of Quepe, Cautin Province. 150m. Lemma black. Awns twisted, geniculate, black. Panicles erect, equilateral. Cultivated. Seed.

436103 TO 436134. *Avena strigosa* Schreb. (Poaceae) Bristle oats.

From Chile. Collected by A. S. Barclay and J. C. Craddock,
Economic Botany and Germplasm Resources Laboratories, USDA

436103 TO 436134—continued

Agricultural Research Center, Beltsville, Maryland.

Received April 1979.

436103. 1. Collected February 04, 1979. Edge of wheat field, Pan American hwy, 9km S of Los Angeles, Bio Bio Prov. 150m. Lemma black with white veins. Awns short, twisted, subgeniculate. Wild. Seed.
436104. 35. Collected February 05, 1979. Roadside ditch, Chol Chol, Cautin Province. 300m. Lemma black with white veins. Awns short, twisted, subgeniculate. Panicles erect, equilateral. Wild. Seed.
436105. 113. Collected February 06, 1979. Wheat field, 8km east of Cumuy, Cautin Province. 250m. Lemma black. Awns subgeniculate. Panicles erect, equilateral. Wild. Seed.
436106. 117. Collected February 06, 1979. Wheat field, 18km west of Pitruifquen, Cautin Province. 250m. Lemma black. Awns short, subgeniculate. Panicles erect, equilateral. Wild. Seed.
436107. 146. Collected February 07, 1979. Wheat field, 10km south of Canete, Arauco Province. 50m. Lemma black. Awns short, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436108. 197. Collected February 08, 1979. Eye field, 5km east of Lonqimay, Malleco Province. 1000m. Lemma black with tan veins. Awns subgeniculate. Bulk sample with variable seed color. Wild. Seed.
436109. 202. Collected February 08, 1979. Small hillside field, Comunidad Pedregoso, SE of Lonqimay, Malleco Prov. 600m. Lemma black with tan veins. Awns short, subgeniculate, black. Panicles erect, equilateral. Cultivated. Seed.
436110. 209. Collected February 09, 1979. Barley field, 13km east of Pitruifquen, Cautin Province. 100m. Lemma black. Awns short, twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436111. 218. Collected February 09, 1979. Wheat field, 4km west of Rancul, Cautin Province. 100m. Lemma black with tan veins. Awns short, twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436112. 266. Collected February 14, 1979. Wheat field, 10km north of La Union, Valdivia Province. 100m. Lemma gray with tan veins. Awns short, twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436113. 280. Collected February 14, 1979. Wheat field, 15km

436103 TO 436134-continued

- southeast of Valdivia, Valdivia Province. 100m. Lemma gray with tan veins. Awns short, twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436114. 302. Collected February 15, 1979. Wheat field, 30km east of Rio Bueno, Valdivia Province. 150m. Lemma black with tan veins. Awns short, twisted, geniculate, black. Glumes and straw white. Panicles erect, equilateral. Wild. Seed.
436115. 333. Collected February 16, 1979. Wheat field, 11km west of Santa Elisa, Valdivia Province. 300m. Lemma black with tan veins. Awns short, twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436116. 335. Collected February 16, 1979. Rye field, 11km west of Santa Elisa, Valdivia Province. 300m. Lemma black with tan veins. Awns short, twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436117. 346. Collected February 17, 1979. Wheat field, 10km south of Rio Negro, Osorno Province. 100m. Lemma black with tan veins. Awns short, twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436118. 354. Collected February 17, 1979. Wheat field, 3km west of Crucero, Osorno Province. 150m. Lemma black with tan veins. Awns short, twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436119. 355. Collected February 17, 1979. Wheat field, 5km west of Crucero, Osorno Province. 150m. Lemma black with tan veins. Awns short, twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436120. 364. Collected February 17, 1979. Wheat field, 16km south of Fresia, Llanquihue Province. 100m. Lemma black. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436121. 367. Collected February 17, 1979. Wheat field, 2km north of Rio Frio, Llanquihue Province. 100m. Lemma gray. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436122. 394. Collected February 19, 1979. Small field, 5km north of Degan, Chiloé Province. 25m. Lemma black. Awns twisted, geniculate, black. Glumes white. Panicles erect, equilateral. Cultivated. Seed.
436123. 397. Collected February 19, 1979. Rye field, 25km north of Castro, Chiloé Province. 25m. Lemma gray. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.

436103 TO 436134-continued

436124. 401. Collected February 19, 1979. Wheat field, 8km north of Castro, Chiloe Province. 25m. Lemma black. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436125. 420. Collected February 19, 1979. Oat field, 6km north of Teupa, Chiloe Province. 20m. Lemma black. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436126. 423. Collected February 19, 1979. Wheat field, 27km north of Queilen, Chiloe Province. 15m. Lemma black with tan veins. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436127. 425. Collected February 20, 1979. Oat field, 2km west of Dalcanue, Chiloe Province. 15m. Lemma black. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436128. 431. Collected February 20, 1979. Wheat field, 3km east of ferry landing, Isla Quinchao, Chiloe Province. 15m. Lemma gray. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436129. 432. Collected February 20, 1979. Wheat field, 4km east of ferry landing, Isla Quinchao, Chiloe Province. 15m. Lemma gray with tan veins. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436130. 448. Collected February 20, 1979. Wheat field, 10km east of ferry landing, Isla Quinchao, Chiloe Province. 20m. Lemma black with tan veins. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436131. 449. Collected February 20, 1979. Wheat field, 15km west of Achao, Isla Quinchao, Chiloe Province. 60m. Lemma black with tan veins. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436132. 454. Collected February 20, 1979. Wheat field, 10km west of Achao, Isla Quinchao, Chiloe Province. 40m. Lemma black with tan veins. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436133. 507. Collected February 23, 1979. Wheat field, 15km west of Temuco, Cautin Province. 150m. Lemma gray with tan veins. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.
436134. 509. Collected February 23, 1979. Wheat field, 16km west of Temuco, Cautin Province. 150m. Lemma gray with tan

436103 TO 436134-continued

veins. Awns twisted, geniculate, black. Panicles erect, equilateral. Wild. Seed.

436135 TO 436164. *Hordeum vulgare* L. (Poaceae) Barley.

From Chile. Collected by A. S. Barclay and J. C. Craddock, Economic Botany and Germplasm Resources Laboratories, USDA Agricultural Research Center, Beltsville, Maryland. Received April 1979.

436135. 16. Collected February 04, 1979. Cult. field, 2km east of Pan Amer. hwy on rd. to Pillanlelbun, Cautin Prov. 150m. Two-row covered type. Aleurone white. Lemma white with red veins. Awns rough, red until mature. Spikes lax, nodding. Straw white. Cultivated. Seed.
436136. 17. Collected February 04, 1979. Cultivated field, Pan Amer. hwy, 20km south of Lautaro, Cautin Province. 150m. Two-row, covered type. Aleurone white. Lemma white with red veins. Awns rough, red until mature. Spikes lax, nodding. Straw white. Similar to PI 436135. Cultivated. Seed.
436137. 63. Collected February 06, 1979. Cultivated field, 9km west of Freire, Cautin Province. 250m. Two-row type. Aleurone white. Lemma white. Awns rough, white. Spikes erect to nodding. Straw white. Cultivated. Seed.
436138. 64. Collected February 06, 1979. Cultivated field, 10km west of Freire, Cautin Province. 250m. Two-row, malting type. Aleurone white. Lemma white with red veins. Awns rough, red. Rachilla hairs long. Spikes nodding. Cultivated. Seed.
436139. 65. Collected February 06, 1979. Cultivated field, 10km west of Freire, Cautin Province. 250m. Two-row type. Aleurone white. Lemma pink with purple veins. Awns rough, purple. Rachilla hairs long. Spikes nodding. Mixed color types in field. Cultivated. Seed.
436140. 66. Collected February 06, 1979. Cultivated field, 10km west of Freire, Cautin Province. 250m. Two-row type. Aleurone white. Lemma white with pink veins. Awns rough, light red. Rachilla hairs long. Cultivated. Seed.
436141. 67. Collected February 06, 1979. Cultivated field, 10km west of Freire, Cautin Province. 250m. Two-row, malting type. Aleurone white. Lemma white with red veins. Awns rough, tan. Rachilla hairs long. Spike nodding, many not emerging from boot. Cultivated. Seed.
436142. 99. Collected February 06, 1979. Cultivated field, 12km

436135 TO 436164-continued

- west of Barros Arana, Cautin Province. 250m. Two-row type. Aleurone white. Lemma white. Awns rough, reddish. Spikes nodding, lax. Plants uniform. Cultivated. Seed.
- 436143.** 100. Collected February 06, 1979. Cultivated field, 15km west of Barros Arana, Cautin Province. 250m. Two-row, malting type. Aleurone white. Lemma white with red-purple veins. Awns rough, red-purple. Rachilla hairs long. Spikes nodding, lax. Plants uniform. Cultivated. Seed.
- 436144.** 108. Collected February 06, 1979. Cultivated field, 1 km east of Neuva Tolten, Cautin Province. 100m. Six-row type. Aleurone blue. Lemma yellow with red veins. Awns rough, yellow. Rachilla hairs short. Spikes erect to inclined. Plants uniform. Cultivated. Seed.
- 436145.** 208. Collected February 09, 1979. Cultivated field, 13km east of Pitrufulquen, Cautin Province. 100m. Two-row malting type. Aleurone white. Lemma white with red veins. Awns rough, red-white when mature. Rachilla hairs long. Spikes lax, nodding. Cultivated. Seed.
- 436146.** 219. Collected February 11, 1979. Cultivated field, 18km east of Carahue, Cautin Province. 15m. Two-row type. Aleurone white. Lemma white. Awns rough, white. Rachilla hairs long. Spikes nodding, not fully extended from boot. Plants uniform. Cultivated. Seed.
- 436147.** 227. Collected February 11, 1979. Cultivated field, 4km west of Carahue, Cautin Province. 15m. Two-row type. Aleurone white. Lemma white with red veins. Awns rough, reddish. Spikes nodding. Straw white. Cultivated. Seed.
- 436148.** 233. Collected February 11, 1979. Cultivated field, 5km east of Puerto Saavedra, Cautin Province. 10m. Two-row type. Aleurone white. Lemma white with red veins. Awns rough, reddish. Rachilla hairs long. Straw white. Plants uniform. Cultivated. Seed.
- 436149.** 242. Collected February 11, 1979. Cultivated field, 15km east of Puerto Saavedra, Cautin Province. 20m. Two-row type. Aleurone white. Lemma white. Awns rough, white. Rachilla hairs long. Spikes lax, inclined. Plants uniform. Cultivated. Seed.
- 436150.** 250. Collected February 12, 1979. Chol Chol, Cautin Province. Two-row type obtained from a local indian by Ivan Pinto, Chol Chol Foundation, Nuevo Imperial. Aleurone white. Awns rough, white. Rachilla hairs long. Spikes lax, inclined. Straw white. Local name Imperialito. Cultivated. Seed.
- 436151.** 297. Collected February 15, 1979. Cultivated field, 15km

436135 TO 436164-continued

- east of Rio Bueno, Valdivia Province. 150m. Two-row, malting type. Aleurone white. Lemma tan. Awns rough, tan. Rachilla hairs long. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436152. 337. Collected February 17, 1979. Cultivated field, 2km south of Rio Negro, Osorno Province. 100m. Two-row type. Aleurone white. Lemma white with red veins. Awns rough, reddish. Rachilla hairs long. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436153. 338. Collected February 17, 1979. Cultivated field, 2km south of Rio Negro, Osorno Province. 100m. Two-row type. Aleurone white. Lemma white with red veins. Awns rough, red. Rachilla hairs long. Spikes lax, nodding, some not emerging from boot. Straw reddish. Plants uniform. Cultivated. Seed.
436154. 345. Collected February 17, 1979. Cultivated field, 10km south of Rio Negro, Osorno Province. 100m. Two-row malting type. Aleurone white. Lemma white with red veins. Awns rough, red. Rachilla hairs long. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436155. 360. Collected February 17, 1979. Cultivated field, 11km south of Fresia, Llanquihue Province. 100m. Two-row, malting type. Aleurone white. Lemma tan. Awns rough, tan. Rachilla hairs long. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436156. 376. Collected February 17, 1979. Cultivated field, 6km south of Rio Frio, Llanquihue Province. 100m. Two-row, malting type. Aleurone white. Lemma tan. Awns rough, tan. Rachilla hairs long. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436157. 379. Collected February 17, 1979. Cultivated field, 8km south of Rio Frio, Llanquihue Province. 100m. Two-row type. Aleurone white. Lemma white. Awns rough, white. Rachilla hairs medium-long. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436158. 474. Collected February 20, 1979. Barley and wheat field, 11km south of Achao, Isla Quinchao, Chiloe Province. 25m. Six-row type. Aleurone blue. Lemma white with red veins. Awns rough, white. Rachilla hairs short. Spikes erect. Cultivated. Seed.
436159. 475. Collected February 20, 1979. Barley and wheat field, 11km south of Achao, Isla Quinchao, Chiloe Province. 25m. Unusual type received as *H. irregulare*. Aleurone white. Lemma yellow. Awns rough, yellow. Rachilla hairs short. Spikes lax, inclined. Cultivated.

436135 TO 436164—continued
Seed.

436160. 476. Collected February 20, 1979. Barley and wheat field, 11km south of Achao, Isla Quinchao, Chiloe Province. 25m. Unusual type recieved as *H. irregulare*. Aleurone white. Lemma white with red veins. Awns rough, yellow. Rachilla hairs short. Kernels hard. Spikes lax, inclined. Cultivated. Seed.
436161. 477. Collected February 20, 1979. Barley and wheat field, 11km south of Achao, Isla Quinchao, Chiloe Province. 25m. Six-row type. Aleurone white. Lemma yellow with red veins. Awns rough, yellow. Rachilla hairs short. Spikes erect. Cultivated. Seed.
436162. 481. Collected February 20, 1979. Cultivated field, 12km south of Achao, Isla Quinchao, Chiloe Province. 15m. Six-row type. Aleurone white. Lemma pale red with purple veins. Awns rough, yellow. Rachilla hairs short. Spikes lax, erect. Cultivated. Seed.
436163. 482. Collected February 20, 1979. Cultivated field, 12km south of Achao, Isla Quinchao, Chiloe Province. 15m. Six-row type. Aleurone white. Lemma pale red with purple veins. Awns rough, yellow. Rachilla hairs short. Spikes lax, erect, upper portion sterile. Cultivated. Seed.
436164. 503. Collected February 23, 1979. Wheat field, 10km south of Temuco, Cautin Province. 150m. Six-row type. Aleurone white. Lemma white. Awns rough, white. Spikes lax, inclined, partially sterile. Cultivated. Seed.

436165 TO 436193. *Secale cereale* L. (Poaceae) Rye.

From Chile. Collected by A. S. Barclay and J. C. Craddock, Economic Botany and Germplasm Resources Laboratories, USDA Agricultural Research Center, Beltsville, Maryland. Received April 1979.

436165. 2. Collected February 04, 1979. Wheat field, Pan American hwy, 25km south of Collipulli, Malleco Province. 150m. Aleurone blue. Awnletted, tan. Chaff tan. Cultivated. Seed.
436166. 3. Collected February 04, 1979. Wheat field, Pan American hwy, 25km south of Collipulli, Malleco Province. 150m. Aleurone blue. Awnletted, tan. Chaff white. Straw purple. May be tetraploid. Cultivated. Seed.
436167. 51. Collected February 05, 1979. Cult. field, 20km W of Maquehua between Rios Imperial & Quepe, Cautin Prov. 200m. Aleurone blue. Awns tan. Glumes and straw white. Spikes

436165 TO 436193-continued

- dense, erect. Plants uniform. Cultivated. Seed.
- 436168.** 55. Collected February 05, 1979. Cult. field, 25km W of Maquehua between Rios Imperial & Quepe, Cautin Prov. 150m. Aleurone blue. Awnletted, tan. Chaff and straw white. Spikes dense, nodding. Cultivated. Seed.
- 436169.** 111. Collected February 06, 1979. Cultivated field, 7km east of Cumuy, Cautin Province. 250m. Aleurone blue. Awnletted, white. Chaff and straw white. Kernel texture soft. Spikes lax, nodding. Cultivated. Seed.
- 436170.** 115. Collected February 06, 1979. Cultivated field, 9km east of Cumuy, Cautin Province. 250m. Aleurone blue. Awnletted, white. Chaff and straw white. Kernel texture soft. Spikes lax, nodding. Cultivated. Seed.
- 436171.** 128. Collected February 07, 1979. Wheat field, 1 km west of Traiguen, Malleco Province. 250m. Aleurone light blue. Awnletted, tan. Chaff tan. Kernel texture soft. Spikes lax, erect. Cultivated. Seed.
- 436172.** 131. Collected February 07, 1979. Wheat field, 3km west of Traiguen, Malleco Province. 250m. Aleurone light blue. Awnletted, tan. Chaff white. Kernel texture soft. Spikes lax, inclined. Cultivated. Seed.
- 436173.** 163. Collected February 07, 1979. Wheat field, 0.5km northwest of Contulmo, Arauco Province. 200m. Aleurone blue. Awnletted, tan. Chaff white. Kernel texture soft. Spikes medium-dense, nodding. Cultivated. Seed.
- 436174.** 176. Collected February 07, 1979. Cultivated field, 10km west of Puren, Malleco Province. 700m. Aleurone blue. Awnletted, tan. Chaff and straw white. Spikes lax, inclined. May be tetraploid. Cultivated. Seed.
- 436175.** 183. Collected February 08, 1979. Cultivated field, 4km east of Agua Santa, Cautin Province. 200m. Aleurone blue. Awnletted, tan. Kernel texture soft. Spikes short, lax, nodding to inclined. Plants uniform. Cultivated. Seed.
- 436176.** 191. Collected February 08, 1979. Wheat field, 1 km east of La Somba, Malleco Province. 250m. Aleurone brown. Awnletted, tan. Chaff white. Straw purple. Kernel texture soft. Spikes lax, erect. Considerable sterility. Cultivated. Seed.
- 436177.** 194. Collected February 08, 1979. Wheat field, 10km east of La Somba, Malleco Province. 300m. Aleurone blue. Awnletted, tan. Chaff tan. Kernel texture soft. Spikes lax, erect. Considerable sterility. Cultivated. Seed.

436165 TO 436193-continued

436178. 195. Collected February 08, 1979. Cultivated field, 9km east of Lonquimay, Malleco Province. 1000m. Aleurone blue. Awnletted, white. Chaff and straw white. Kernel texture soft. Spikes lax, nodding. Cultivated. Seed.
436179. 196. Collected February 08, 1979. Cultivated field, 5km east of Lonquimay, Malleco Province. 1000m. Aleurone blue. Awnletted, white. Chaff and straw white. Kernel texture soft. Spikes nodding, lax. Cultivated. Seed.
436180. 198. Collected February 08, 1979. Cultivated field, 2km east of Lonquimay, Malleco Province. 1000m. Aleurone blue. Awnletted, white. Chaff and straw white. Kernel texture soft. Spikes lax, nodding. Cultivated. Seed.
436181. 199. Collected February 08, 1979. Cultivated field, Lolen, Malleco Province. 1000m. Aleurone blue. Awnletted, tan. Chaff white. Kernel texture soft. Spikes nodding. Cultivated. Seed.
436182. 200. Collected February 08, 1979. Cultivated field, 5km northwest of Lolen, Malleco Province. 1000m. Aleurone blue. Awnletted, tan. Chaff white. Kernel texture soft. Spikes lax, nodding. Cultivated. Seed.
436183. 206. Collected February 09, 1979. Cultivated field, 9km east of Pitrufrquen, Cautin Province. 100m. Aleurone blue. Awns and chaff tan. Kernel texture soft. Spikes lax, nodding. Cultivated. Seed.
436184. 210. Collected February 09, 1979. Cultivated field, 15km east of Pitrufrquen, Cautin Province. 150m. Aleurone blue. Awnletted, tan. Chaff and straw white. Kernel texture soft. Spikes medium-dense, nodding. Cultivated. Seed.
436185. 211. Collected February 09, 1979. Cultivated field, 21km east of Pitrufrquen, Cautin Province. 150m. Tetraploid. Aleurone blue. Awnletted, tan. Chaff tan. Kernel texture soft. Spikes lax, nodding. Local name Tetra rye. Cultivated. Seed.
436186. 245. Collected February 12, 1979. Chol Chol, Cautin Province. Obtained by Ivan Pinto, Chol Chol Foundation, Nuevo Imperial from an Rapohue Indian. Aleurone blue. Awnletted, white. Chaff white. Straw purple. Kernel texture soft. Spikes partially sterile, lax, nodding. Cultivated. Seed.
436187. 271. Collected February 14, 1979. Cultivated field, 11km north of La Union, Valdivia Province. 100m. Aleurone tan. Awnletted, tan. Chaff tan. Kernel texture soft. Spikes long, lax, inclined. Considerable sterility. Cultivated.

436165 TO 436193--continued
Seed.

- 436188.** 279. Collected February 14, 1979. Wheat field, 22km southeast of Valdivia, Valdivia Province. 200m. Aleurone light blue. Awnletted, tan. Chaff white. Straw yellow and purple. Kernel texture soft. Spikes lax, inclined. Cultivated. Seed.
- 436189.** 332. Collected February 16, 1979. Wheat field, 11km west of Santa Elisa, Valdivia Province. 300m. Aleurone blue. Awnletted, tan. Chaff white. Kernel texture soft. Spikes lax, inclined. Cultivated. Seed.
- 436190.** 334. Collected February 16, 1979. Cultivated field, 11km west of Santa Elisa, Valdivia Province. 300m. Aleurone blue. Awnletted, tan. Chaff white. Straw purple. Kernel texture soft. Spikes lax, nodding. Cultivated. Seed.
- 436191.** 395. Collected February 19, 1979. Cultivated field, 30km north of Castro, Chiloe Province. 25m. Aleurone light blue. Awnletted, tan. Chaff white. Kernel texture soft. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
- 436192.** 396. Collected February 19, 1979. Cultivated field, 25km north of Castro, Chiloe Province. 25m. Aleurone blue. Awnletted, tan. Chaff white. Straw yellow and purple. Kernel texture soft. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
- 436193.** 424. Collected February 19, 1979. Cultivated field, 25km north of Queilen, Chiloe Province. 10m. Aleurone tan. Awnletted, tan. Chaff tan. Kernel texture soft. Spikes nodding. Plants uniform. Cultivated. Seed.

436194 TO 436525. Triticum aestivum L. (Poaceae) Common wheat.

From Chile. Collected by A. S. Barclay and J. C. Craddock, Economic Botany and Germplasm Resources Laboratories, USDA Agricultural Research Center, Beltsville, Maryland. Received April 1979.

- 436194.** 4. Collected February 04, 1979. Cultivated field, Pan Amer. hwy, 25km south of Collipulli, Malleco Province. 150m. Aleurone white. Awnletted, white. Chaff white. Spikes lax, erect. From field of awnless, brown chaff wheat. Cultivated. Seed.
- 436195.** 5. Collected February 04, 1979. Cultivated field, Pan Amer. hwy, 25km south of Collipulli, Malleco Province. 150m. Aleurone pink. Kernel texture soft. Awnless. Chaff brown. Spikes dense, nodding to erect. Cultivated. Seed.

436194 TO 436525-continued

436196. 8. Collected February 04, 1979. Cultivated field, Pan American hwy, 4km north of Victoria, Malleco Province. 150m. Aleurone red. Kernel texture hard. Awnless. Chaff tan. Spikes lax, erect. Cultivated. Seed.
436197. 9. Collected February 04, 1979. Cultivated field, Pan American hwy, 4km north of Victoria, Malleco Province. 150m. Same field as PI 436196. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes dense, erect. Cultivated. Seed.
436198. 10. Collected February 04, 1979. Cultivated field, Pan American hwy, 3km north of Victoria, Malleco Province. 150m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes dense, nodding. Cultivated. Seed.
436199. 11. Collected February 04, 1979. Cultivated field, Pan American hwy, 13km south of Victoria, Malleco Prov. 150m. Aleurone white. Kernel texture hard. Awnletted, white. Chaff and straw white. Spikes lax, nodding. Cultivated. Seed.
436200. 12. Collected February 04, 1979. Cultivated field, Pan American hwy, 6km north of Lautaro, Cautin Province. 150m. Aleurone red. Kernel texture soft. Awnletted. Chaff and straw white. Spikes lax, nodding. Cultivated. Seed.
436201. 14. Collected February 04, 1979. Cultivated field, Pan American hwy, 1 km south of Lautaro, Cautin Province. 150m. Aleurone red. Kernel texture soft. Awns and chaff brown. Straw white. Spikes club type, nodding to erect. In field of lax, white spiked wheat. Cultivated. Seed.
436202. 15. Collected February 04, 1979. Cultivated field, Pan American hwy, 1 km south of Lautaro, Cautin Province. 150m. Aleurone red. Kernel texture soft. Awnletted, tan. Chaff tan. Straw white. Spikes lax, nodding. Cultivated. Seed.
436203. 18. Collected February 05, 1979. Cultivated field, 5km east of Chol Chol on road from Temuco, Cautin Prov. 200m. On Malopi Indian land. Aleurone red. Kernel texture soft. Awnletted, white. Chaff and straw white. Glumes medium pubescent. Spikes club type, erect. Cultivated. Seed.
436204. 19. Collected February 05, 1979. Cultivated field, 5km east of Chol Chol on road from Temuco, Cautin Prov. 200m. On Malopi Indian land. Aleurone red. Kernel texture soft. Awnletted, tan. Chaff tan. Straw white. Spikes lax, erect. Cultivated. Seed.
436205. 20. Collected February 05, 1979. Cultivated field, 3km

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- east of Chol Chol on road from Temuco, Cautin Prov. 250m. On Malopi Indian land. Aleurone red. Kernel texture soft. Awns and chaff tan. Straw white. Spikes lax, erect. Cultivated. Seed.
- 436206.** 21. Collected February 05, 1979. Cultivated field, 3km east of Chol Chol on road from Temuco, Cautin Prov. 250m. On Malopi Indian land. Aleurone white. Kernel texture semi-hard. Awns and chaff tan. Straw white. Spikes club type, erect. Cultivated. Seed.
- 436207.** 22. Collected February 05, 1979. Cultivated field, 3km east of Chol Chol on road from Temuco, Cautin Prov. 250m. On Malopi Indian land. Aleurone red. Kernel texture soft. Awns, chaff, and straw white. Spikes lax, erect. Cultivated. Seed.
- 436208.** 23. Collected February 05, 1979. Cultivated field, 3km east of Chol Chol on road from Temuco, Cautin Prov. 250m. On Malopi Indian land. Aleurone red. Kernel texture soft. Awnletted, white. Chaff and straw white. Spikes club type, erect. Cultivated. Seed.
- 436209.** 24. Collected February 05, 1979. Cultivated field, 3km east of Chol Chol on road from Temuco, Cautin Prov. 250m. On Malopi Indian land. Aleurone white. Kernel texture soft. Awnless. Chaff and straw white. Spikes club type, erect. Cultivated. Seed.
- 436210.** 25. Collected February 05, 1979. Cultivated field, 3km east of Chol Chol on road from Temuco, Cautin Prov. 250m. On Malope Indian land. Aleurone white. Kernel texture soft. Awns and chaff brown. Spikes dense, nodding. Cultivated. Seed.
- 436211.** 26. Collected February 05, 1979. Cultivated field, 3km east of Chol Chol on road from Temuco, Cautin Prov. 250m. On Malopi Indian land. Aleurone white. Kernel texture soft. Awnless. Chaff brown. Spikes dense, nodding. Cultivated. Seed.
- 436212.** 27. Collected February 05, 1979. Cultivated field, 3km east of Chol Chol on road from Temuco, Cautin Prov. 250m. On Malopi Indian land. Aleurone white. Kernel texture soft. Awnless. Chaff tan. Straw white. Spikes lax, nodding. Cultivated. Seed.
- 436213.** 28. Collected February 05, 1979. Cultivated field, 2km east of Chol Chol on road from Temuco, Cautin Prov. 250m. On Malopi Indian land. Aleurone white. Kernel texture soft. Awnless. Chaff brown. Glumes densely pubescent. Spikes densely clavate, erect. Cultivated. Seed.

436214. 29. Collected February 05, 1979. Cultivated field, 2km east of Chol Chol on road from Temuco, Cautin Prov. 300m. On Malope Indian land. Aleurone white. Kernel texture hard. Awnless. Chaff and straw white. Spikes lax, nodding to erect. Cultivated. Seed.
436215. 30. Collected February 05, 1979. Cultivated field, 2km east of Chol Chol on road from Temuco, Cautin Prov. 300m. On Malope Indian land. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Straw white. Spikes lax, erect. Cultivated. Seed.
436216. 31. Collected February 05, 1979. Cultivated field, 2km east of Chol Chol on road from Temuco, Cautin Prov. 300m. On Malope Indian land. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Spikes lax, erect. Cultivated. Seed.
436217. 32. Collected February 05, 1979. Cultivated field, 2km east of Chol Chol on road from Temuco, Cautin Prov. 300m. On Malopi Indian land. Aleurone white. Kernel texture soft. Awnless. Chaff brown. Glumes pubescent (trace). Spikes short, lax, erect. Cultivated. Seed.
436218. 34. Collected February 05, 1979. Cultivated field, edge of Chol Chol, Cautin Province. Aleurone red. Kernel texture hard. Awnless. Chaff tan. Straw white. Spike clavate, erect with 2 seeds. May be male sterile. Cultivated. Seed.
436219. 39. Collected February 05, 1979. Cult. field, 6km W of Maquehua between Rios Imperial and Quepe, Cautin Prov. 200m. Aleurone white. Kernel texture hard. Awnless. Chaff brown. Spikes dense, erect. Cultivated. Seed.
436220. 40. Collected February 05, 1979. Cult. field, 8km W of Maquehua between Rios Imperial and Quepe, Cautin Prov. 200m. Aleurone white. Kernel texture hard. Awnless. Chaff brown. Straw white. Spikes lax, erect. Cultivated. Seed.
436221. 42. Collected February 05, 1979. Cult. field, 12km W of Maquehua between Rios Imperial & Quepe, Cautin Prov. 200m. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Spike dense, erect. Cultivated. Seed.
436222. 43. Collected February 05, 1979. Cult. field, 12km W of Maquehua between Bios Imperial & Quepe, Cautin Prov. 200m. Aleurone white. Kernel texture hard. Awnless. Chaff brown. Spikes small, dense, erect. Cultivated. Seed.
436223. 44. Collected February 05, 1979. Cult. field, 12km W of Maquehua between Rios Imperial & Quepe, Cautin Prov. 200m. Aleurone white. Kernel texture soft to semi-hard. Awnless.

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- Chaff and straw white. Medium-dense pubescence. Spikes small, dense, erect. Cultivated. Seed.
436224. 45. Collected February 05, 1979. Cult. field, 12km W of Maquehua between Rios Imperial & Quepe, Cautin Prov. 200m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Medium-dense pubescence. Spikes club type, short, erect. Cultivated. Seed.
436225. 46. Collected February 05, 1979. Cult. field, 15km SW of Maquehua betw. Rios Imperial and Quepe, Cautin Prov. 200m. Aleurone white. Kernel texture soft to semi-hard. Awnless. Chaff tan. Medium-dense pubescence. Straw white. Spikes dense, erect. Cultivated. Seed.
436226. 47. Collected February 05, 1979. Cult. field, 15km SW of Maquehua betw. Rios Imperial and Quepe, Cautin Prov. 200m. Aleurone white. Kernel texture hard. Awnless. Chaff brown. Straw white. Spikes lax, erect. Cultivated. Seed.
436227. 48. Collected February 05, 1979. Cult. field, 15km SW of Maquehua betw. Rios Imperial and Quepe, Cautin Prov. 200m. Aleurone red. Kernel texture soft. Awns, chaff, straw white. Spike lax, erect. Cultivated. Seed.
436228. 49. Collected February 05, 1979. Cult. field, 16km W of Maquehua betw. Rios Imperial and Quepe, Cautin Prov. 200m. Aleurone red. Kernel texture soft. Awns, chaff, brown. Straw white. Spike lax, nodding. Cultivated. Seed.
436229. 50. Collected February 05, 1979. Cult. field, 16km W of Maquehua betw. Rios Imperial and Quepe, Cautin Prov. 200m. Aleurone red. Kernel texture soft. Awns, chaff, straw white. Spikes short, lax, erect. Cultivated. Seed.
436230. 53. Collected February 05, 1979. Malopi Indian field, 23km west of Maquehua, Cautin Province. 150m. Aleurone white. Kernel texture hard. Awnless. Chaff brown. Spikes dense, erect. Cultivated. Seed.
436231. 54. Collected February 05, 1979. Cult. field, 25km W of Maquehua betw. Rios Imperial and Quepe, Cautin Prov. 150m. Aleurone red. Kernel texture hard. Awnless. Chaff brown. Straw white. Spikes lax, erect. Cultivated. Seed.
436232. 56. Collected February 05, 1979. Cult. field, 25km W of Maquehua betw. Rios Imperial and Quepe, Cautin Prov. 150m. Aleurone red. Kernel texture hard. Awnletted, white. Chaff and straw white. Spikes dense, erect. Cultivated. Seed.
436233. 59. Collected February 05, 1979. Cult. field, 15km W of Maquehua betw. Rios Imperial and Quepe, Cautin Prov. 150m.

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- Aleurone white. Kernel texture hard. Awns, chaff, straw white. Spikes lax, erect. Cultivated. Seed.
436234. 60. Collected February 05, 1979. Cult. field, 10km W of Maquehua betw. Rios Imperial and Quepe, Cautin Prov. 150m. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Straw white. Spikes dense, erect. Local name Colorado. Cultivated. Seed.
436235. 61. Collected February 05, 1979. Cultivated field, 9km west of Maquehua, Cautin Province. 150m. Aleurone red. Kernel texture hard. Awns, chaff brown. Straw white. Glume pubescence, sparse. Cultivated. Seed.
436236. 62. Collected February 05, 1979. Cultivated field, 4km west of Freire, Cautin Province. 250m. Aleurone white. Kernel texture hard. Awnless. Chaff tan. Straw white. Spikes dense, erect. Plants uniform. Cultivated. Seed.
436237. 68. Collected February 06, 1979. Cultivated field, 10km west of Freire, Cautin Province. 250m. Aleurone red. Kernel texture hard. Awns and chaff tan. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436238. 70. Collected February 06, 1979. Cultivated field, 10km west of Freire, Cautin Province. 250m. Aleurone red. Kernel texture hard. Awns and chaff tan. Spikes lax, nodding to erect. Plants uniform. Cultivated. Seed.
436239. 72. Collected February 06, 1979. Cultivated field, 10km west of Freire, Cautin Province. 250m. Aleurone red. Kernel texture hard. Awns and chaff tan. Spikes short, lax, nodding to erect. Cultivated. Seed.
436240. 73. Collected February 06, 1979. Cultivated field, 10km west of Freire, Cautin Province. 250m. Aleurone white. Kernel texture hard. Awnletted, top portion. Awns, chaff, straw white. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436241. 74. Collected February 06, 1979. Cultivated field, 12km west of Freire, Cautin Province. 250m. Aleurone red. Kernel texture soft. Awns tan. Chaff and straw white. Spikes medium-dense, erect. Plants uniform. Cultivated. Seed.
436242. 75. Collected February 06, 1979. Cultivated field, 12km west of Freire, Cautin Province. 250m. Aleurone red. Kernel texture hard. Awnless. Chaff tan. Straw white. Spikes dense, erect. Cultivated. Seed.
436243. 77. Collected February 06, 1979. Cultivated field, 15km west of Freire, Cautin Province. 250m. Aleurone white.

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Kernel texture hard. Awnless. Chaff and straw white.
Spikes small, medium-dense, erect. Plants uniform.
Cultivated. Seed.

436244. 79. Collected February 06, 1979. Cultivated field, 0.5km west of Barros Arana, Cautin Province. 250m. Aleurone red. Kernel texture soft. Awns and chaff tan. Spikes medium-dense, nodding to erect. Cultivated. Seed.
436245. 80. Collected February 06, 1979. Cultivated field, 0.5km west of Barros Arana, Cautin Province. 250m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Straw white. Spikes lax, nodding. Cultivated. Seed.
436246. 81. Collected February 06, 1979. Cultivated field, 4km west of Barros Arana, Cautin Province. 250m. Aleurone red. Kernel texture hard. Awnless. Chaff brown. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436247. 82. Collected February 06, 1979. Cultivated field, 4km west of Barros Arana, Cautin Province. 250m. Aleurone red. Kernel texture hard. Awnless. Chaff tan. Spikes lax, erect to nodding. Cultivated. Seed.
436248. 83. Collected February 06, 1979. Cultivated field, 4km west of Barros Arana, Cautin Province. 250m. Aleurone white. Kernel texture soft. Awnless. Chaff and straw white. Spikes lax, nodding. Cultivated. Seed.
436249. 84. Collected February 06, 1979. Cultivated field, 4km west of Barros Arana, Cautin Province. 250m. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Spikes lax, erect. Cultivated. Seed.
436250. 86. Collected February 06, 1979. Cultivated field, 4km west of Barros Arana, Cautin Province. 250m. Aleurone white. Kernel texture soft. Awnless. Chaff and straw white. Spikes lax, nodding. Cultivated. Seed.
436251. 87. Collected February 06, 1979. Cultivated field, 4km west of Barros Arana, Cautin Province. 250m. Aleurone white. Kernel texture hard. Awnless. Chaff and straw white. Spikes dense, erect. Cultivated. Seed.
436252. 88. Collected February 06, 1979. Cultivated field, 4km west of Barros Arana, Cautin Province. 250m. Aleurone white. Kernel texture soft. Awnless. Chaff and straw white. Spikes fusiform, erect. Cultivated. Seed.
436253. 89. Collected February 06, 1979. Cultivated field, 4km west of Barros Arana, Cautin Province. 250m. Aleurone red. Kernel texture soft. Awnletted apically, tan. Chaff tan. Straw white. Spikes dense, erect. Cultivated. Seed.

436254. 90. Collected February 06, 1979. Small cultivated field, 4.5km west of Barros Arana, Cautin Province. 250m. Aleurone white. Kernel texture hard. Awnletted apically, white. Chaff and straw white. Spikes club type, erect. Plants uniform. Cultivated. Seed.
436255. 92. Collected February 06, 1979. Cultivated field, 5km west of Barros Arana, Cautin Province. 250m. Aleurone red. Kernel texture semi-hard. Awns tan. Chaff tan. Straw white. Spikes medium-dense, erect. Cultivated. Seed.
436256. 93. Collected February 06, 1979. Cultivated field, 5km west of Barros Arana, Cautin Province. 250m. Aleurone red. Kernel texture hard. Awns, chaff, straw white. Spikes club type, erect. Cultivated. Seed.
436257. 94. Collected February 06, 1979. Cultivated field, 5km west of Barros Arana, Cautin Province. 250m. Aleurone white. Kernel texture hard. Awnletted apically, white. Chaff and straw white. Spikes club type, erect. Cultivated. Seed.
436258. 95. Collected February 06, 1979. Small cultivated field, 10km west of Barros Arana, Cautin Province. 250m. Aleurone white (amber). Kernel texture hard. Awnletted apically, brown. Chaff brown. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436259. 96. Collected February 06, 1979. Small cultivated field, 10km west of Barros Arana, Cautin Province. 250m. Aleurone red. Kernel texture hard. Awns, chaff, straw white. Glumes medium-dense pubescent. Spikes club type, erect. Plants uniform. Cultivated. Seed.
436260. 98. Collected February 06, 1979. Cultivated field, 12km west of Barros Arana, Cautin Province. 250m. Aleurone red. Kernel texture hard. Awns, chaff, straw white. Glumes medium-dense pubescent. Spikes club type, erect to slightly nodding. Cultivated. Seed.
436261. 101. Collected February 06, 1979. Cultivated field, 3km west of Teodoro Schmidt, Cautin Province. 200m. Aleurone white. Kernel texture hard. Awnletted apically, brown. Chaff brown. Glumes medium-dense pubescent. Spikes medium-dense, erect. Cultivated. Seed.
436262. 102. Collected February 06, 1979. Cultivated field, 3km west of Teodoro Schmidt, Cautin Province. 200m. Aleurone white. Kernel texture hard. Awnletted, white. Chaff and straw white. Spikes erect to slightly inclined. Cultivated. Seed.

436263. 104. Collected February 06, 1979. Cultivated field, 3km west of Teodoro Schmidt, Cautin Province. 200m. Aleurone red. Kernel texture hard. Awnletted apically, tan. Chaff tan. Straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436264. 105. Collected February 06, 1979. Grain storage bin, Tolten, Cautin Province. Aleurone red. Kernel texture soft. Cultivated. Seed.
436265. 106. Collected February 06, 1979. Cultivated field, 1 km west of Nueva Tolten, Cautin Province. 100m. Aleurone red. Kernel texture soft. Awnletted apically, white. Chaff and straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436266. 110. Collected February 06, 1979. Cultivated field, 6km east of Cumuy, Cautin Province. 250m. Aleurone red. Kernel texture soft. Awnletted apically. Chaff light tan. Straw white. Spikes small, lax, erect. Plants uniform. Cultivated. Seed.
436267. 114. Collected February 06, 1979. Cultivated field, 8km east of Cumuy, Cautin Province. 250m. Aleurone red. Kernel texture soft. Awnletted, tan. Chaff tan. Straw white. Spikes lax, nodding. Cultivated. Seed.
436268. 120. Collected February 06, 1979. Cultivated field, 8km west of Pitrufquen, Cautin Province. 250m. Aleurone red. Kernel texture soft. Awns and chaff tan. Spikes lax, erect. Cultivated. Seed.
436269. 121. Collected February 06, 1979. Cultivated field, 7km west of Pitrufquen, Cautin Province. 250m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes dense, erect. Cultivated. Seed.
436270. 122. Collected February 07, 1979. Cultivated field, 8km west of Victoria, Malleco Province. 350m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes nodding to inclined. Plants uniform. Cultivated. Seed.
436271. 123. Collected February 07, 1979. Cultivated field, 9km west of Victoria, Malleco Province. 300m. Aleurone white. Kernel texture hard. Awns, chaff, straw white. Spikes nodding to inclined. Cultivated. Seed.
436272. 124. Collected February 07, 1979. Cultivated field, 18km west of Victoria, Malleco Province. 300m. Aleurone white. Kernel texture soft. Awnless. Chaff and straw white. Spikes in clined to erect. Plants uniform. Cultivated.

Seed.

436273. 125. Collected February 07, 1979. Cultivated field, 19km west of Victoria, Malleco Province. 300m. Aleurone white. Kernel texture hard. Awnless. Chaff and straw white. Spikes, lax, erect. Plants uniform. Cultivated. Seed.
436274. 126. Collected February 07, 1979. Small cultivated field, 0.5km east of Traiguen, Malleco Province. 250m. Aleurone red. Kernel texture hard. Awnless. Chaff and straw white. Spikes medium-dense, erect to inclined. Cultivated. Seed.
436275. 127. Collected February 07, 1979. Cultivated field, 1 km west of Traiguen, Malleco Province. 250m. Aleurone white. Kernel texture hard. Awnless. Chaff and straw white. Spike large, lax, erect. Single plant. Cultivated. Seed.
436276. 130. Collected February 07, 1979. Cultivated field, 1 km west of Traiguen, Malleco Province. 250m. Aleurone white. Kernel texture soft. Awnless. Chaff and straw white. Spikes nodding to inclined. Plants uniform. Cultivated. Seed.
436277. 132. Collected February 07, 1979. Cultivated field, 0.5km west of Peleco, Arauco Province. 150m. Aleurone white (amber). Kernel texture hard. Awnletted, white. Chaff white. Spikes lax, nodding. Cultivated. Seed.
436278. 133. Collected February 07, 1979. Small cultivated field, 0.5km west of Peleco, Arauco Province. 150m. Aleurone red. Kernel texture soft. Awnletted, white. Chaff and straw white. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436279. 134. Collected February 07, 1979. Small cultivated field, 3km west of Peleco, Arauco Province. 100m. Aleurone white. Kernel texture hard. Awnless. Chaff and straw white. Spikes dense (club), erect. Plants uniform. Cultivated. Seed.
436280. 135. Collected February 07, 1979. Small cultivated field, 3km west of Peleco, Arauco Province. 100m. Aleurone white. Kernel texture hard. Awnless. Chaff and straw white. Spikes long, lax, erect. Plants uniform. Cultivated. Seed.
436281. 137. Collected February 07, 1979. Cultivated field, 5km northwest of Peleco, Arauco Province. 100m. Aleurone red. Kernel texture soft. Awnletted, white. Chaff and straw white. Spikes lax, nodding. Plants uniform. Cultivated. Seed.

436282. 140. Collected February 07, 1979. Cultivated field, 6km northwest of Peleco, Arauco Province. 100m. Aleurone red. Kernel texture soft. Awns, chaff, straw white. Spikes dense (club), erect. Plants uniform. Cultivated. Seed.
436283. 141. Collected February 07, 1979. Cultivated field, 8km northwest of Peleco, Arauco Province. 100m. Aleurone white. Kernel texture hard. Awnletted, white. Chaff and straw white. Spikes dense (club), erect. Plants uniform. Cultivated. Seed.
436284. 142. Collected February 07, 1979. Small cultivated field, 8km south of Canete, Arauco Province. 50m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes lax, inclined to nodding. Plants uniform. Cultivated. Seed.
436285. 143. Collected February 07, 1979. Small cultivated field, 8km south of Canete, Arauco Province. 50m. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Spikes medium-dense, erect. Plants uniform. Cultivated. Seed.
436286. 144. Collected February 07, 1979. Cultivated field, 10km south of Canete, Arauco Province. 50m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes lax, erect. Cultivated. Seed.
436287. 145. Collected February 07, 1979. Cultivated field, 10km south of Canete, Arauco Province. 50m. Aleurone white. Kernel texture soft. Awnletted apically, white. Chaff and straw white. Spikes dense (club), erect. Cultivated. Seed.
436288. 147. Collected February 07, 1979. Cultivated field, 12km south of Canete, Arauco Province. 50m. Aleurone red. Kernel texture soft. Awnletted apically, white. Chaff and straw white. Spikes lax, inclined to nodding. Plants uniform. Cultivated. Seed.
436289. 148. Collected February 07, 1979. Cultivated field, 13km south of Canete, Arauco Province. 50m. Aleurone red. Kernel texture soft. Awns, chaff, and straw white. Spikes dense (club), erect. Plants uniform. Cultivated. Seed.
436290. 149. Collected February 07, 1979. Cultivated field, 9km northwest of Hosteria Lanalhue, Arauco Province. 50m. Aleurone red. Kernel texture soft. Awnletted, tan. Chaff yellow. Spikes lax, inclined to erect. Cultivated. Seed.
436291. 150. Collected February 07, 1979. Cultivated field, 8km northwest of Hosteria Lanalhue, Arauco Province. 50m. Aleurone white. Kernel texture hard. Awnletted apically,

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- brown. Chaff brown. Spikes lax, erect. Cultivated. Seed.
- 436292.** 151. Collected February 07, 1979. Cultivated field, 8km northwest of Hosteria Lanalhue, Arauco Province. 50m. Aleurone white. Kernel texture soft. Awnless. Chaff and straw white. Spikes inclined. Pubescence dense. Cultivated. Seed.
- 436293.** 152. Collected February 07, 1979. Cultivated field, 0.5km west of Hosteria Lanalhue, Arauco Province. 50m. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Spikes small, lax, erect. Cultivated. Seed.
- 436294.** 153. Collected February 07, 1979. Cultivated field, 0.5km west of Hosteria Lanalhue, Arauco Province. 50m. Aleurone red. Kernel texture soft. Awnletted apically, tan. Chaff tan. Straw white. Spikes lax, erect. Cultivated. Seed.
- 436295.** 154. Collected February 07, 1979. Cultivated field, 0.5km west of Hosteria Lanalhue, Arauco Province. 50m. Aleurone white. Kernel texture soft. Awnless. Chaff tan. Straw white. Spikes lax, erect. Cultivated. Seed.
- 436296.** 155. Collected February 07, 1979. Cultivated field, 1 km southeast of Hosteria Lanalhue, Arauco Province. 50m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes lax, erect. Cultivated. Seed.
- 436297.** 156. Collected February 07, 1979. Cultivated field, 1 km southeast of Hosteria Lanalhue, Arauco Province. 50m. Aleurone white. Kernel texture hard. Awnless. Chaff brown. Spikes medium-dense, erect. Cultivated. Seed.
- 436298.** 157. Collected February 07, 1979. Cultivated field, 2km southeast of Hosteria Lanalhue, Arauco Province. 50m. Aleurone red. Kernel texture hard. Awns brown. Chaff brown with tan stripes. Spikes lax, erect. Cultivated. Seed.
- 436299.** 158. Collected February 07, 1979. Cultivated field, 2km southeast of Hosteria Lanalhue, Arauco Province. 50m. Aleurone white. Kernel texture hard. Awnless. Chaff and straw white. Spikes dense (club), erect. Cultivated. Seed.
- 436300.** 159. Collected February 07, 1979. Cultivated field, 2km southeast of Hosteria Lanalhue Province. 50m. Aleurone red. Kernel texture hard. Awnless. Chaff tan with brown markings. Straw white. Spikes medium-dense, erect. Cultivated. Seed.
- 436301.** 160. Collected February 07, 1979. Cultivated field, 5km southeast of Hosteria Lanalhue, Arauco Province. 200m.

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- Aleurone red. Kernel texture soft. Awnless. Chaff brown. Straw white. Spikes medium-dense, erect. Cultivated. Seed.
436302. 161. Collected February 07, 1979. Cultivated field, 5km southeast of Hosteria Lanalhue, Arauco Province. 200m. Aleurone white. Kernel texture hard. Awnless. Chaff brown with black markings. Straw white. Spikes medium-dense, erect. Cultivated. Seed.
436303. 162. Collected February 07, 1979. Cultivated field, 5km southeast of Hosteria Lanalhue, Arauco Province. 200m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Straw white. Spikes lax, erect. Cultivated. Seed.
436304. 164. Collected February 07, 1979. Cultivated field, 8km east of Contulmo, Arauco Province. 600m. Aleurone red. Kernel texture hard. Awnless. Chaff brown. Straw white. Spikes dense, erect. Cultivated. Seed.
436305. 166. Collected February 07, 1979. Cultivated field, 8km east of Contulmo, Arauco Province. 600m. Aleurone white. Kernel texture soft. Awnless. Chaff tan. Spikes medium-dense, erect. Cultivated. Seed.
436306. 167. Collected February 07, 1979. Cultivated field, 9km east of Contulmo, Arauco Province. 600m. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Spikes erect to inclined. Cultivated. Seed.
436307. 168. Collected February 07, 1979. Cultivated field, 9km east of Contulmo, Arauco Province. 600m. Aleurone white. Kernel texture hard. Awns, chaff, and straw white. Spikes dense, erect. Cultivated. Seed.
436308. 169. Collected February 07, 1979. Cultivated field, 12km east of Contulmo, Arauco Province. 700m. Aleurone red. Kernel texture soft. Awnletted apically. Chaff white with brown stripes. Straw white. Spikes long, lax, erect. Cultivated. Seed.
436309. 171. Collected February 07, 1979. Cultivated field, 12km east of Contulmo, Arauco Province. 700m. Aleurone white. Kernel texture soft. Awnless. Chaff tan. Spikes lax, inclined. Cultivated. Seed.
436310. 172. Collected February 07, 1979. Cultivated field, 12km east of Contulmo, Arauco Province. 700m. Aleurone red. Kernel texture soft. Awns apically, tan. Chaff tan. Spike lax, inclined. Cultivated. Seed.
436311. 173. Collected February 07, 1979. Cultivated field, 12km west of Puren, Malleco Province. 700m. Aleurone red. Kernel texture soft. Awns, chaff, and straw white. Chaff

436194 TO 436525-continued

- pubescent. Spikes dense (club), erect. Cultivated. Seed.
436312. 174. Collected February 07, 1979. Cultivated field, 12km west of Furen, Malleco Province. 700m. Aleurone red. Kernel texture soft. Awns, chaff, and straw white. Spikes dense (club), erect. Cultivated. Seed.
436313. 175. Collected February 07, 1979. Cultivated field, 12km west of Furen, Malleco Province. 700m. Aleurone red. Kernel texture soft. Awns tan. Chaff white with brown markings. Straw white. Spikes lax, erect. Maturity late. Cultivated. Seed.
436314. 177. Collected February 07, 1979. Cultivated field, Molino Regina, Malleco Province. 200m. Aleurone red. Kernel texture hard. Awns and chaff tan. Spikes lax, erect. Cultivated. Seed.
436315. 178. Collected February 07, 1979. Cultivated field, Molino Regina, Malleco Province. 200m. Aleurone red (pink). Kernel texture soft. Awnletted. Chaff tan. Straw white. Spikes inclined to nodding. Cultivated. Seed.
436316. 179. Collected February 07, 1979. Cultivated field, Molino Regina, Malleco Province. 200m. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Spikes lax, inclined to erect. Cultivated. Seed.
436317. 181. Collected February 07, 1979. Cultivated field, 0.5km east of Molino Regina, Malleco Province. 200m. Aleurone red. Kernel texture hard. Awns and chaff tan. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436318. 185. Collected February 08, 1979. Cultivated field, 2km south of Curacautin, Malleco Province. 150m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes medium-dense, erect. Cultivated. Seed.
436319. 187. Collected February 08, 1979. Cultivated field, 2km south of Curacautin, Malleco Province. 150m. Aleurone red. Kernel texture soft. Awns and chaff tan. Spikes medium-dense, erect. Cultivated. Seed.
436320. 188. Collected February 08, 1979. Cultivated field, 5km east of Curacautin, Malleco Province. 200m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes medium-dense, erect. Plants uniform. Cultivated. Seed.
436321. 189. Collected February 08, 1979. Cultivated field, 10km east of Curacautin, Malleco Province. 200m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Straw white. Spikes short, medium-dense, erect to inclined. Plants uniform. Cultivated. Seed.

436322. 190. Collected February 08, 1979. Cultivated field, 1 km east of La Somba, Malleco Province. 250m. Aleurone white. Kernel texture soft. Awnless. Chaff and straw white. Spikes medium-dense, erect to inclined. Plants uniform. Cultivated. Seed.
436323. 193. Collected February 08, 1979. Cultivated field, 10km east of La Somba, Malleco Province. 300m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes inclined to nodding. Plants uniform. Cultivated. Seed.
436324. 203. Collected February 09, 1979. Cultivated field, 5km east of Pitrufulquen, Cautin Province. 80m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes erect to inclined. Plants uniform. Cultivated. Seed.
436325. 204. Collected February 09, 1979. Cultivated field, 7km east of Pitrufulquen, Cautin Province. 80m. Aleurone red. Kernel texture hard. Awnless. Chaff and straw white. Spikes medium-dense, erect. Plants uniform. Cultivated. Seed.
436326. 205. Collected February 09, 1979. Cultivated field, 7km east of Pitrufulquen, Cautin Province. 80m. Aleurone red. Kernel texture hard. Awnletted apically. Chaff tan. Straw white. Spikes lax, erect. Cultivated. Seed.
436327. 212. Collected February 09, 1979. Cultivated field, 27km southeast of Pitrufulquen, Cautin Province. 150m. Aleurone white. Kernel texture hard. Awnletted apically, white. Chaff and straw white. Spikes dense (club), erect. Plants uniform. Cultivated. Seed.
436328. 213. Collected February 09, 1979. Cultivated field, 6km north of Rancul, Cautin Province. 150m. Aleurone white. Kernel texture hard. Awnless. Chaff white. Spikes medium-dense, erect. Plants uniform. Cultivated. Seed.
436329. 214. Collected February 09, 1979. Cultivated field, 6km north of Rancul, Cautin Province. 150m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes lax, inclined. Cultivated. Seed.
436330. 215. Collected February 09, 1979. Cultivated field, 4km west of Rancul, Cautin Province. 100m. Aleurone white. Kernel texture hard. Awnletted apically, white. Chaff and straw white. Spikes dense (club), erect. Plants uniform. Cultivated. Seed.
436331. 220. Collected February 11, 1979. Cultivated field, 18km east of Carahue, Cautin Province. 15m. Aleurone red.

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- Kernel texture soft. Awnletted apically, brown. Chaff brown. Straw white. Spikes lax, inclined. Plants uniform. Cultivated. Seed.
436332. 222. Collected February 11, 1979. Cultivated field, 14km east of Carahue, Cautin Province. 15m. Aleurone red. Kernel texture soft. Awnletted apically, white. Chaff and straw white. Spikes lax, inclined. Plants uniform. Cultivated. Seed.
436333. 223. Collected February 11, 1979. Cultivated field, 14km east of Carahue, Cautin Province. 15m. Aleurone white. Kernel texture hard. Awnless. Chaff tan. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436334. 225. Collected February 11, 1979. Cultivated field, 7km east of Carahue, Cautin Province. 15m. Aleurone red. Kernel texture soft. Awnletted apically. Chaff and straw white. Spikes erect to inclined. Plants uniform. Cultivated. Seed.
436335. 226. Collected February 11, 1979. Cultivated field, 6km east of Carahue, Cautin Province. 15m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes medium-dense, erect. Plants uniform. Cultivated. Seed.
436336. 228. Collected February 11, 1979. Cultivated field, 4km west of Carahue, Cautin Province. 15m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes short, lax, nodding. Plants uniform. Cultivated. Seed.
436337. 229. Collected February 11, 1979. Cultivated field, 6km west of Carahue, Cautin Province. 10m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff and straw white. Spikes nodding. Plants uniform. Cultivated. Seed.
436338. 230. Collected February 11, 1979. Cultivated field, 2km south of Puerto Saavedra, Cautin Province. 5m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436339. 232. Collected February 11, 1979. Cultivated field, 5km east of Puerto Saavedra, Cautin Province. 10m. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436340. 234. Collected February 11, 1979. Cultivated field, 6km east of Puerto Saavedra, Cautin Province. 10m. Aleurone red. Kernel texture soft. Awnless. White chaff and straw. Spikes lax, erect. Plants uniform. Cultivated. Seed.

436194 TO 436525-continued

436341. 235. Collected February 11, 1979. Cultivated field, 8km east of Puerto Saavedra, Cautin Province. 10m. Aleurone red. Kernel texture soft. Awnletted apically, brown. Chaff brown. Spikes short, lax, erect. Plants uniform. Cultivated. Seed.
436342. 236. Collected February 11, 1979. Cultivated field, 10km east of Puerto Saavedra, Cautin Province. 15m. Aleurone red. Kernel texture soft. Awnless. Chaff tan, pubescent. Straw white. Spikes medium-dense, erect. Cultivated. Seed.
436343. 237. Collected February 11, 1979. Cultivated field, 10km east of Puerto Saavedra, Cautin Province. 15m. Aleurone red. Kernel texture soft. Awnletted apically, tan. Chaff tan. Straw white. Spikes short, lax, nodding to inclined. Cultivated. Seed.
436344. 239. Collected February 11, 1979. Cultivated field, 10km east of Puerto Saavedra, Cautin Province. 15m. Aleurone red. Kernel texture soft. Awnletted apically. Chaff and straw white. Spikes lax, erect. Cultivated. Seed.
436345. 240. Collected February 11, 1979. Cultivated field, 10km east of Puerto Saavedra, Cautin Province. 15m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Straw white. Spikes medium-dense, erect. Cultivated. Seed.
436346. 241. Collected February 11, 1979. Cultivated field, 15km east of Puerto Saavedra, Cautin Province. 20m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436347. 243. Collected February 11, 1979. Cultivated field, 26km east of Puerto Saavedra, Cautin Province. 15m. Aleurone white. Kernel texture soft. Awnletted apically, tan. Chaff tan. Straw white. Spikes erect to inclined. Plants uniform. Cultivated. Seed.
436348. 246. Collected February 12, 1979. Chol Chol, Cautin Province. Obtained from local Indian by Joel Duran, Chol Chol Foundation, New Imperial. Aleurone white. Kernel texture soft. Awnless. Chaff brown. Spikes dense, erect. Local name Colorado. Cultivated. Seed.
436349. 247. Collected February 12, 1979. Chol Chol, Cautin Province. Obtained from local Indian by Joel Duran, Chol Chol Foundation, New Imperial. Aleurone white. Kernel texture soft. Awnless. Chaff and straw white. Spikes long, dense, erect, unique. Local name Cain. Cultivated. Seed.
436350. 248. Collected February 12, 1979. Chol Chol, Cautin

436194 TO 436525-continued

- Province. Obtained from local Indian by Ivan Pinto, Chol Chol Foundation, New Imperial. Aleurone white. Kernel texture hard. Awnless. Chaff brown. Spikes dense, erect. Local name Torcaza. Cultivated. Seed.
436351. 249. Collected February 12, 1979. Chol Chol, Cautin Province. Obtained from local Indian by Ivan Pinto, Chol Chol Foundation, New Imperial. Aleurone white. Kernel texture soft. Awnless. Chaff brown, pubescent. Spikes short, lax. In a field of Torcaza. Cultivated. Seed.
436352. 251. Collected February 12, 1979. Chol Chol, Cautin Province. Obtained from local Indian by Joel Duran, Chol Chol Foundation, New Imperial. Aleurone white. Kernel texture soft. Awnless. Chaff white, pubescent. Straw white. Spikes dense, inclined. Cultivated. Seed.
436353. 252. Collected February 12, 1979. Chol Chol, Cautin Province. Obtained from local Indian by Joel Duran, Chol Chol Foundation, New Imperial. Aleurone white. Kernel texture soft. Awnletted apically. Chaff tan. Straw white. Spikes medium-dense, inclined. Cultivated. Seed.
436354. 253. Collected February 12, 1979. Chol Chol, Cautin Province. Obtained from local Indian by Ivan Pinto, Chol Chol Foundation, New Imperial. Aleurone red. Kernel texture soft. Awnletted apically. Chaff white with brown markings, pubescent. Straw white. Spikes dense (club), erect. Local name Linozo. Cultivated. Seed.
436355. 254. Collected February 12, 1979. Chol Chol, Cautin Province. Obtained from local Indian by Ivan Pinto, Chol Chol Foundation, New Imperial. Aleurone white. Kernel texture semi-hard. Awnletted apically, white. Chaff and straw white. Spikes lax, inclined. Local name Bismoun. Cultivated. Seed.
436356. 255. Collected February 14, 1979. Cultivated field, 3km south of Rio Bueno, Valdivia Province. 100m. Aleurone red. Kernel texture hard. Awnletted, tan. Chaff tan. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436357. 256. Collected February 14, 1979. Cultivated field, 3km south of Rio Bueno, Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awns tan. Chaff tan. Straw white. Spikes lax, erect to inclined. Plants uniform. Cultivated. Seed.
436358. 257. Collected February 14, 1979. Cultivated field, 4km west of Rio Bueno, Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Straw white. Spikes medium-dense, erect. Plants uniform. Cultivated. Seed.

436359. 258. Collected February 14, 1979. Cultivated field, 1 km east of La Union, Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awnletted apically, white. Chaff and straw white. Spikes lax, inclined. Plants uniform. Cultivated. Seed.
436360. 260. Collected February 14, 1979. Cultivated field, 3km north of La Union, Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436361. 261. Collected February 14, 1979. Cultivated field, 3km north of La Union, Valdivia Province. 100m. Aleurone red. Kernel texture hard. Awns, chaff, and straw white. Spikes lax, erect. Cultivated. Seed.
436362. 263. Collected February 14, 1979. Cultivated field, 9km north of La Union, Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awns, chaff, and straw tan. Spikes short, lax, erect. Cultivated. Seed.
436363. 264. Collected February 14, 1979. Cultivated field, 9km north of La Union, Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes medium-dense, inclined. Plants uniform. Cultivated. Seed.
436364. 267. Collected February 14, 1979. Cultivated field, 10km north of La Union, Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awns and chaff tan. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436365. 268. Collected February 14, 1979. Cultivated field, 11km north of La Union, Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awnletted apically. Chaff brown. Spikes lax, inclined. Cultivated. Seed.
436366. 269. Collected February 14, 1979. Cultivated field, 11km north of La Union, Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes medium-dense, erect to inclined. Plants uniform. Cultivated. Seed.
436367. 270. Collected February 14, 1979. Cultivated field, 11km north of La Union, Valdivia Province. 100m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff and straw white. Spikes lax, erect. Cultivated. Seed.
436368. 272. Collected February 14, 1979. Cultivated field, 12km north of La Union, Valdivia Province. 150m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes medium-dense, clavate, erect. Plants uniform. Cultivated. Seed.

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436369. 273. Collected February 14, 1979. Cultivated field, 12km north of La Union, Valdivia Province. 150m. Aleurone red. Kernel texture soft. Awnletted apically. Chaff and straw white. Spikes medium-dense, erect. Plants uniform. Cultivated. Seed.
436370. 274. Collected February 14, 1979. Cultivated field, 13km north of La Union, Valdivia Province. 150m. Aleurone red. Kernel texture soft. Awns brown. Chaff brown with black markings. Spikes lax, erect to inclined. Plants uniform. Cultivated. Seed.
436371. 275. Collected February 14, 1979. Cultivated field, 14km north of La Union, Valdivia Province. 150m. Aleurone white. Kernel texture soft. Awnletted apically. Chaff and straw white. Spikes medium-dense, clavate, erect. Cultivated. Seed.
436372. 277. Collected February 14, 1979. Cultivated field, 22km southeast of Valdivia Province. 200m. Aleurone white. Kernel texture soft. Awnless. Chaff tan. Spikes medium-dense, erect. Plants uniform. Cultivated. Seed.
436373. 281. Collected February 14, 1979. Cultivated field, 15km southeast of Valdivia, Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awnletted apically. Chaff and straw white. Spikes lax, inclined. Plants uniform. Cultivated. Seed.
436374. 282. Collected February 14, 1979. Cultivated field, 15km southeast of Valdivia, Valdivia Province. 100m. Aleurone white. Kernel texture soft. Awnless. Chaff and straw white. Glumes thinly pubescent. Cultivated. Seed.
436375. 284. Collected February 15, 1979. Cultivated field, 13km east of Rio Bueno, Valdivia Province. 100m. Aleurone white. Kernel texture hard. Awns tan. Chaff white with tan markings. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436376. 286. Collected February 15, 1979. Cultivated field, 13km east of Rio Bueno, Valdivia Province. 100m. Aleurone red. Kernel texture hard. Awnless. Chaff brown. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436377. 288. Collected February 15, 1979. Cultivated field, 14km east of Rio Bueno, Valdivia Province. 100m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff and straw white. Spikes lax, erect. Cultivated. Seed.
436378. 289. Collected February 15, 1979. Cultivated field, 14km east of Rio Bueno, Valdivia Province. 100m. Aleurone red.

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- Kernel texture semi-hard. Awnletted apically, tan. Chaff tan. Spikes lax, erect. Cultivated. Seed.
436379. 290. Collected February 15, 1979. Cultivated field, 14km east of Rio Bueno, Valdivia Province. 100m. Aleurone red. Kernel texture hard. Awnless. Chaff tan. Straw white. Spikes lax, nodding. Cultivated. Seed.
436380. 291. Collected February 15, 1979. Cultivated field, 14km east of Rio Bueno, Valdivia Province. 100m. Aleurone red. Kernel texture semi-hard. Awnletted apically, tan. Chaff white with tan markings. Straw white. Spikes erect to inclined. Plants uniform. Cultivated. Seed.
436381. 294. Collected February 15, 1979. Cultivated field, 15km east of Rio Bueno, Valdivia Province. 150m. Aleurone red. Kernel texture semi-hard. Awnletted apically. Chaff tan. Spikes short, lax, erect. Plants uniform. Cultivated. Seed.
436382. 295. Collected February 15, 1979. Cultivated field, 15km east of Rio Bueno, Valdivia Province. 150m. Aleurone white. Kernel texture semi-hard. Awnletted apically, white. Chaff and straw white. Spikes lax, erect. Cultivated. Seed.
436383. 298. Collected February 15, 1979. Cultivated field, 15km east of Rio Bueno, Valdivia Province. 150m. Aleurone red. Kernel texture semi-hard. Awnletted apically, brown. Chaff brown. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436384. 299. Collected February 15, 1979. Cultivated field, 15km east of Rio Bueno, Valdivia Province. 150m. Aleurone red. Kernel texture semi-hard. Awns and chaff white. Spikes lax, erect. Cultivated. Seed.
436385. 300. Collected February 15, 1979. Cultivated field, 15km east of Rio Bueno, Valdivia Province. 150m. Aleurone red. Kernel texture semi-hard. Awns and chaff tan. Spikes short, lax, erect. Cultivated. Seed.
436386. 301. Collected February 15, 1979. Cultivated field, 20km east of Rio Bueno, Valdivia Province. 150m. Aleurone red. Kernel texture soft. Awns and chaff white. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436387. 303. Collected February 15, 1979. Cultivated field, 30km east of Rio Bueno, Valdivia Province. 150m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes lax, erect. Cultivated. Seed.
436388. 304. Collected February 15, 1979. Cultivated field, 30km

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- east of Rio Buneo, Valdivia Province. 150m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes lax, nodding. Cultivated. Seed.
436389. 307. Collected February 15, 1979. Cult. field, 5km NW of Puerto Retti, S shore of Lago Ranco, Valdivia Prov. 100m. Aleurone red. Kernel texture soft. Awns and chaff tan. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436390. 308. Collected February 15, 1979. Cult. field, 4km NW of Puerto Retti, S shore of Lago Ranco, Valdivia Prov. 100m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff brown. Straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436391. 310. Collected February 15, 1979. Cult. field, 2km NW of Puerto Retti (Lago Ranco), Valdivia Province. 100m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff tan. Spikes lax, erect. Cultivated. Seed.
436392. 311. Collected February 15, 1979. Cultivated field, Puerto Retti (Lago Ranco), Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awnletted apically, brown. Chaff brown. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436393. 312. Collected February 15, 1979. Cultivated field, Puerto Retti (Lago Ranco), Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awns and chaff tan. Straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436394. 314. Collected February 15, 1979. Cult. field, 1 km east of Puerto Retti (Lago Ranco), Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awnletted apically, white. Chaff and straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436395. 315. Collected February 15, 1979. Cult. field, 3km east of Puerto Retti (Lago Ranco), Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awnletted apically, brown. Chaff brown. Straw white. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436396. 316. Collected February 15, 1979. Cult. field, 3km east of Puerto Retti (Lago Ranco), Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awns and chaff tan. Spikes short, lax, erect. Cultivated. Seed.
436397. 318. Collected February 15, 1979. Cultivated field, Llihue (Lago Ranco), Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awns and chaff tan. Straw white. Spikes lax, inclined to erect. Plants uniform. Cultivated.

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Seed.

436398. 320. Collected February 15, 1979. Cult. field, 2km east of Llihue (Lago Ranco), Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awnletted apically, brown. Chaff brown. Straw white. Plants uniform. Cultivated. Seed.
436399. 321. Collected February 15, 1979. Cultivated field, 2km east of Llihue (Lago Ranco), Valdivia Province. 100m. Aleurone red. Kernel texture semi-hard. Awnletted apically. Chaff white with tan markings. Straw white. Spikes lax, inclined to erect. Plants uniform. Cultivated. Seed.
436400. 324. Collected February 15, 1979. Cultivated field, 5km east of Llihue (Lago Ranco), Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awnletted apically, white. Chaff and straw white. Spikes lax, inclined. Plants uniform. Cultivated. Seed.
436401. 326. Collected February 15, 1979. Cult. field, 2km east of Puerto Nuevo (Lago Ranco), Valdivia Province. 75m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff and straw white. Spikes lax, erect to inclined. Plants uniform. Cultivated. Seed.
436402. 328. Collected February 15, 1979. Cult. field, 1 km west of Futrono (Lago Ranco), Valdivia Province. 100m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff tan. Spikes lax, erect. Cultivated. Seed.
436403. 330. Collected February 15, 1979. Cult. field, 1 km west of Futrono (Lago Ranco), Valdivia Province. 100m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436404. 331. Collected February 15, 1979. Cult. field, 1 km west of Futrono (Lago Ranco), Valdivia Province. 100m. Aleurone red. Kernel texture semi-hard. Awned apically. Chaff white. Spikes lax, erect. Cultivated. Seed.
436405. 339. Collected February 17, 1979. Cult. field, 8km south of Rio Negro, Osorno Province. 100m. Aleurone red. Kernel texture soft. Awnletted apically. Chaff tan. Spikes lax, nodding. Plants uniform. Cultivated. Seed.
436406. 341. Collected February 17, 1979. Cult. field, 8km south of Rio Negro, Osorno Province. 100m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff and straw white. Spikes lax, erect to inclined. Plants uniform. Cultivated. Seed.

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436407. 342. Collected February 17, 1979. Cult. field, 8km south of Rio Negro, Osorno Province. 100m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff tan with brown markings. Spikes inclined to erect. Cultivated. Seed.
436408. 343. Collected February 17, 1979. Cult. field, 8km south of Rio Negro, Osorno Province. 100m. Aleurone red. Kernel texture soft. Awnletted apically, tan. Chaff white with tan markings. Spikes lax, nodding to inclined. Plants uniform. Cultivated. Seed.
436409. 349. Collected February 17, 1979. Cultivated field, 7km south of Purranque, Osorno Province. 100m. Aleurone red. Kernel texture semi-hard. Awns tan. Chaff white with tan stripes. Spikes inclined. Cultivated. Seed.
436410. 350. Collected February 17, 1979. Cultivated field, 7km south of Purranque, Osorno Province. 100m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff tan. Spikes short, lax, inclined. Plants uniform. Cultivated. Seed.
436411. 352. Collected February 17, 1979. Cultivated field, 8km south of Purranque, Osorno Province. 100m. Aleurone red. Kernel texture hard to semi-hard. Awnless. Chaff brown. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436412. 357. Collected February 17, 1979. Cultivated field, 11km south of Fresia, Llanquihue Province. 100m. Aleurone red. Kernel texture soft. Awns, chaff, and straw white. Spikes lax, erect. Cultivated. Seed.
436413. 358. Collected February 17, 1979. Cultivated field, 11km south of Fresia, Llanquihue Province. 100m. Aleurone red. Kernel texture hard. Awns and chaff tan. Spikes lax, erect. Cultivated. Seed.
436414. 359. Collected February 17, 1979. Cultivated field, 11km south of Fresia, Llanquihue Province. 100m. Aleurone red. Kernel texture hard. Awns and chaff brown. Spikes lax, erect. Cultivated. Seed.
436415. 362. Collected February 17, 1979. Cultivated field, 15km south of Fresia, Llanquihue Province. 100m. Aleurone red. Kernel texture hard. Awnless. Chaff white with tan markings. Spike medium-dense, erect. Cultivated. Seed.
436416. 363. Collected February 17, 1979. Cultivated field, 15km south of Fresia, Llanquihue Province. 100m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes lax, erect. Cultivated. Seed.
436417. 365. Collected February 17, 1979. Cultivated field, 16km

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- south of Fresia, Llanquihue Province. 100m. Aleurone red. Kernel texture hard. Awnletted apically. Chaff white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436418. 366. Collected February 17, 1979. Cultivated field, 16km south of Fresia, Llanquihue Province. 100m. Aleurone red. Kernel texture hard. Awns tan. Chaff white. Spikes lax, erect. Cultivated. Seed.
436419. 368. Collected February 17, 1979. Cultivated field, 2km north of Rio Frio, Llanquihue Province. 100m. Aleurone red. Kernel texture hard. Awnletted apically, brown. Chaff brown, Spikes medium-dense, erect. Plants uniform. Cultivated. Seed.
436420. 369. Collected February 17, 1979. Cultivated field, 2km north of Rio Frio, Llanquihue Province. 100m. Aleurone red. Kernel texture semi-hard. Awns and chaff tan. Spikes short, lax, erect. Cultivated. Seed.
436421. 371. Collected February 17, 1979. Cultivated field, 2km south of Rio Frio, Llanquihue Province. 100m. Aleurone red. Kernel texture hard. Awnless. Chaff white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436422. 372. Collected February 17, 1979. Cultivated field, 2km south of Rio Frio, Llanquihue Province. 100m. Aleurone red. Kernel texture hard. Awns and chaff tan. Spikes short, lax, erect. Cultivated. Seed.
436423. 373. Collected February 17, 1979. Cultivated field, 5km south of Rio Frio, Llanquihue Province. 100m. Aleurone red. Kernel texture soft. Awnletted apically, brown. Chaff brown. Spikes lax, erect. Cultivated. Seed.
436424. 380. Collected February 17, 1979. Cultivated field, 10km south of Rio Frio, Llanquihue Province. 100m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff brown. Spikes short, medium-dense, erect. Cultivated. Seed.
436425. 381. Collected February 17, 1979. Cultivated field, 10km south of Rio Frio, Llanquihue Province. 100m. Aleurone red. Kernel texture semi-hard. Awnletted apically, tan. Chaff tan. Spikes lax, erect. Cultivated. Seed.
436426. 382. Collected February 17, 1979. Cultivated field, 10km south of Rio Frio, Llanquihue Province. 100m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff brown. Spikes lax, inclined to erect. Cultivated. Seed.
436427. 383. Collected February 17, 1979. Cultivated field, 10km south of Rio Frio, Llanquihue Province. 100m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff brown.

436194 TO 436525-continued

Spikes long, lax, inclined. Cultivated. Seed.

436428. 384. Collected February 17, 1979. Cultivated field, 1 km north of Los Muermos, Llanquihue Province. 75m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff white with tan markings. Straw white. Spikes lax, inclined. Plants uniform. Cultivated. Seed.
436429. 386. Collected February 17, 1979. Cultivated field, 6km east of Los Muermos, Llanquihue Province. 75m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436430. 389. Collected February 18, 1979. Cultivated field, 10km east of Puerto Montt, Llanquihue Province. 10m. Aleurone red. Kernel texture soft. Awnless. Chaff white with tan markings. Spikes lax, inclined to erect. Plants uniform. Cultivated. Seed.
436431. 390. Collected February 18, 1979. Cultivated field, 10km east of Puerto Montt, Llanquihue Province. 10m. Aleurone red. Kernel texture soft. Awnletted apically. Chaff brown. Spikes erect to inclined. Plants uniform. Cultivated. Seed.
436432. 399. Collected February 19, 1979. Cultivated field, 11km north of Castro, Chiloe Province. 25m. Aleurone red. Kernel texture soft. Awnletted apically, white. Chaff and straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436433. 400. Collected February 19, 1979. Cultivated field, 8km north of Castro, Chiloe Province. 25m. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Spikes medium-dense, erect. Plants uniform. Cultivated. Seed.
436434. 402. Collected February 19, 1979. Cultivated field, 5km north of Castro, Chiloe Province. 25m. Aleurone red. Kernel texture soft. Awns tan. Chaff and straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436435. 403. Collected February 19, 1979. Cultivated field, 5km north of Castro, Chiloe Province. 25m. Aleurone red. Kernel texture semi-hard. Awnless. Chaff brown. Plants uniform. Cultivated. Seed.
436436. 404. Collected February 19, 1979. Cultivated field, 4km north of Castro, Chiloe Province. 25m. Aleurone red. Kernel texture semi-hard. Awns, chaff, and straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436437. 405. Collected February 19, 1979. Cultivated field, 3km north of Castro, Chiloe Province. 25m. Aleurone red.

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- Kernel texture semi-hard. Awns and chaff tan. Spikes lax, erect. Cultivated. Seed.
- 436438.** 406. Collected February 19, 1979. Cultivated field, 3km north of Castro, Chiloe Province. 25m. Aleurone red. Kernel texture semi-hard. Awns and chaff brown. Single spike lax, erect. Cultivated. Seed.
- 436439.** 407. Collected February 19, 1979. Cultivated field, 3km north of Castro, Chiloe Province. 25m. Aleurone red. Kernel texture semi-hard. Awns and chaff tan. Single spike lax, erect. Cultivated. Seed.
- 436440.** 408. Collected February 19, 1979. Cultivated field, 3km north of Castro, Chiloe Province. 25m. Aleurone red. Kernel texture semi-hard. Awnletted apically, white. Chaff and straw white. Spikes lax, erect. Cultivated. Seed.
- 436441.** 410. Collected February 19, 1979. Cultivated field, 9km south of Castro, Chiloe Province. 25m. Aleurone red. Kernel texture semi-hard. Awns brown. Chaff tan with brown markings. Spikes lax, erect. Cultivated. Seed.
- 436442.** 411. Collected February 19, 1979. Cultivated field, 10km south of Castro, Chiloe Province. 25m. Aleurone red. Kernel texture semi-hard. Awns, chaff, and straw white. Spikes lax, erect. Cultivated. Seed.
- 436443.** 412. Collected February 19, 1979. Cultivated field, 11km south of Castro, Chiloe Province. Aleurone red. Kernel texture semi-hard. Awnletted apically, brown. Chaff brown. Spikes medium-dense, erect. Plants uniform. Cultivated. Seed.
- 436444.** 413. Collected February 19, 1979. Cultivated field, 12km south of Castro, Chiloe Province. 25m. Aleurone red. Kernel texture soft. Awnletted apically, white. Chaff and straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
- 436445.** 415. Collected February 19, 1979. Cultivated field, 22km south of Castro, Chiloe Province. 25m. Aleurone red. Kernel texture semi-hard. Awns and chaff brown. Spikes nodding to inclined. Plant uniform. Cultivated. Seed.
- 436446.** 416. Collected February 19, 1979. Cultivated field, 22km south of Castro, Chiloe Province. 25m. Aleurone red. Kernel texture semi-hard. Awns and chaff white. Spikes lax, erect. Cultivated. Seed.
- 436447.** 417. Collected February 19, 1979. Cultivated field, 3km north of Chonchi, Chiloe Province. 25m. Aleurone red.

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- Kernel texture semi-hard. Awnletted apically, white. Chaff white with thin pubescence. Spikes lax, erect. Cultivated. Seed.
436448. 418. Collected February 19, 1979. Cultivated field, 3km north of Chonchi, Chiloe Province. 25m. Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes lax, erect. Cultivated. Seed.
436449. 419. Collected February 19, 1979. Cultivated field, 2km southeast of Chonchi, Chiloe Province. 25m. Aleurone red. Kernel texture semi-hard. Awnletted apically, brown. Chaff brown. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436450. 422. Collected February 19, 1979. Cultivated field, 27km north of Queilen, Chiloe Province. 15m. Aleurone red. Kernel texture soft. Awns and chaff brown. Spikes nodding to inclined. Plants uniform. Cultivated. Seed.
436451. 427. Collected February 20, 1979. Cultivated field, 2km east of ferry landing, Isla Quinchao, Chiloe Province. 10m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes dense, erect. Cultivated. Seed.
436452. 428. Collected February 20, 1979. Cultivated field, 2km east of ferry landing, Isla Quinchao, Chiloe Province. 10m. Aleurone red. Kernel texture soft. Awnletted apically, tan. Chaff tan with brown markings. Spikes medium-dense, erect. Cultivated. Seed.
436453. 429. Collected February 20, 1979. Cultivated field, 2km east of ferry landing, Isla Quinchao, Chiloe Province. 10m. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Single spike dense, erect. Cultivated. Seed.
436454. 430. Collected February 20, 1979. Cultivated field, 3km east of ferry landing, Isla Quinchao, Chiloe Province. 15m. Aleurone red. Kernel texture soft. Awns, chaff, and straw white. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436455. 433. Collected February 20, 1979. Cultivated field, 4km east of ferry landing, Isla Quinchao, Chiloe Province. 15m. Aleurone red. Kernel texture soft. Awns tan. Chaff tan with brown markings. Spikes lax, erect. Cultivated. Seed.
436456. 434. Collected February 20, 1979. Cultivated field, 4km east of ferry landing, Isla Quinchao, Chiloe Province. 15m. Aleurone red. Kernel texture soft. Awnletted apically, white. Chaff and straw white. Spikes lax, erect to inclined. Cultivated. Seed.

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436457. 435. Collected February 20, 1979. Cultivated field, 3km east of ferry landing, Isla Quinchao, Chiloe Province. 15m. Aleurone red. Kernel texture soft. Awnletted apically, tan. Chaff white with brown markings. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436458. 436. Collected February 20, 1979. Cultivated field, 4km east of ferry landing, Isla Quinchao, Chiloe Province. 15m. Aleurone red. Kernel texture soft. Awnletted apically, brown. Chaff white with brown markings. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436459. 437. Collected February 20, 1979. Cultivated field, 6km east of ferry landing, Isla Quinchao, Chiloe Province. 20m. Aleurone red. Kernel texture soft. Awnletted apically, white. Chaff white with brown markings. Spikes medium-dense, erect. Plants uniform. Cultivated. Seed.
436460. 438. Collected February 20, 1979. Cultivated field, 7km east of ferry landing, Isla Quinchao, Chiloe Province. 20m. Aleurone red. Kernel texture soft. Awnletted apically, tan. Chaff tan. Spikes medium-dense, erect. Cultivated. Seed.
436461. 439. Collected February 20, 1979. Cultivated field, 7km east of ferry landing, Isla Quinchao, Chiloe Province. 20m. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Spikes dense, erect. Cultivated. Seed.
436462. 440. Collected February 20, 1979. Cultivated field, 8km east of ferry landing, Isla Quinchao, Chiloe Province. 20m. Aleurone red. Kernel texture soft. Awnletted apically, brown. Chaff brown. Spikes medium-dense. Cultivated. Seed.
436463. 441. Collected February 20, 1979. Cultivated field, 8km east of ferry landing, Isla Quinchao, Chiloe Province. 20m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes dense, erect. Cultivated. Seed.
436464. 442. Collected February 20, 1979. Cultivated field, 8km east of ferry landing, Isla Quinchao, Chiloe Province. 20m. Aleurone red. Kernel texture soft. Awnless. Chaff white. Spikes dense (club), erect. Cultivated. Seed.
436465. 443. Collected February 20, 1979. Cultivated field, 8km east of ferry landing, Isla Quinchao, Chiloe Province. 20m. Aleurone red. Kernel texture soft. Awnletted apically, tan. Chaff tan. Spikes clavated, erect. Cultivated. Seed.
436466. 444. Collected February 20, 1979. Cult. field, 10km east

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- of ferry landing, Isla Quinchao, Chiloe Province. 20m. Aleurone red. Kernel texture soft. Awnletted apically, brown. Chaff brown. Spikes short, lax, erect. Cultivated. Seed.
436467. 445. Collected February 20, 1979. Cult. field, 10km east of ferry landing, Isla Quinchao, Chiloe Province. 20m. Aleurone red. Kernel texture soft. Awnletted apically, white. Chaff white. Spikes medium-dense, erect. Cultivated. Seed.
436468. 446. Collected February 20, 1979. Cult. field, 10km east of ferry landing, Isla Quinchao, Chiloe Province. 20m. Aleurone red. Kernel texture hard. Awns and chaff white. Spikes lax, erect. Cultivated. Seed.
436468. 447. Collected February 20, 1979. Cult. field, 10km east of ferry landing, Isla Quinchao, Chiloe Province. 20m. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Spikes medium-dense. Cultivated. Seed.
436470. 450. Collected February 20, 1979. Cult. field, 15km west of Achao, Isla Quinchao, Chiloe Province. 60m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes medium-dense, erect. Cultivated. Seed.
436471. 451. Collected February 20, 1979. Cult. field, 15km west of Achao, Isla Quinchao, Chiloe Province. 60m. Aleurone red. Kernel texture semi-hard. Awnletted apically with short incurved fishhook awn. Chaff tan. Spikes lax, erect. Cultivated. Seed.
436472. 452. Collected February 20, 1979. Cult. field, 15km west of Achao, Isla Quinchao, Chiloe Province. 60m. Aleurone red. Kernel texture soft. Awns and chaff brown. Spikes lax, erect. Cultivated. Seed.
436473. 453. Collected February 20, 1979. Cult. field, 15km west of Achao, Isla Quinchao, Chiloe Province. 60m. Aleurone red. Kernel texture soft. Awns and chaff tan. Single spike lax, erect. Cultivated. Seed.
436474. 455. Collected February 20, 1979. Cultivated field, 10km west of Achao, Isla Quinchao, Chiloe Province. 40m. Aleurone red. Kernel texture soft. Awns, chaff, and straw white. Spikes lax, erect. Cultivated. Seed.
436475. 456. Collected February 20, 1979. Cultivated field, 5km west of Achao, Isla Quinchao, Chiloe Province. 10m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes dense, erect. Plants uniform. Cultivated. Seed.
436476. 457. Collected February 20, 1979. Cultivated field, 7km

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- west of Achao, Isla Quinchao, Chiloe Province. 10m.
Aleurone red. Kernel texture soft. Awns and chaff brown.
Spikes lax, erect. Cultivated. Seed.
- 436477.** 458. Collected February 20, 1979. Cultivated field, 7km west of Achao, Isla Quinchao, Chiloe Province. 10m. Aleurone red. Kernel texture soft. Awnletted apically, tan. Chaff tan. Spikes clavate. Cultivated. Seed.
- 436478.** 459. Collected February 20, 1979. Cultivated field, 7km west of Achao, Isla Quinchao, Chiloe Province. 10m. Aleurone red. Kernel texture soft. Awnletted apically, tan. Chaff tan with medium-dense pubescence. Single spike lax, erect. Cultivated. Seed.
- 436479.** 460. Collected February 20, 1979. Cultivated field, 7km west of Achao, Isla Quinchao, Chiloe Province. 10m. Aleurone red. Kernel texture soft. Awnletted apically, brown. Chaff brown. Single spike lax, erect. Cultivated. Seed.
- 436480.** 461. Collected February 20, 1979. Cultivated field, 6km west of Achao, Isla Quinchao, Chiloe Province. 10m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes dense, erect. Cultivated. Seed.
- 436481.** 462. Collected February 20, 1979. Cultivated field, 6km west of Achao, Isla Quinchao, Chiloe Province. 10m. Aleurone red. Kernel texture soft. Awnletted apically, brown. Chaff brown. Spikes dense, erect. Cultivated. Seed.
- 436482.** 463. Collected February 20, 1979. Cultivated field, 5km west of Achao, Isla Quinchao, Chiloe Province. 10m. Aleurone red. Kernel texture soft. Awns and chaff tan. Spikes lax, erect. Plants uniform. Cultivated. Seed.
- 436483.** 464. Collected February 20, 1979. Cultivated field, 5km west of Achao, Isla Quinchao, Chiloe Province. 10m. Aleurone red. Kernel texture soft. Awnletted apically, tan. Chaff tan. Spikes lax, erect to inclined. Plants uniform. Cultivated. Seed.
- 436484.** 465. Collected February 20, 1979. Cultivated field, 4km west of Achao, Isla Quinchao, Chiloe Province. 5m. Aleurone red. Kernel texture semi-hard. Awns and chaff brown. Spikes lax, erect. Cultivated. Seed.
- 436485.** 466. Collected February 20, 1979. Cultivated field, 4km west of Achao, Isla Quinchao, Chiloe Province. 5m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Single spike dense, erect. Cultivated. Seed.
- 436486.** 467. Collected February 20, 1979. Cultivated field, 4km

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- west of Achao, Isla Quinchao, Chiloe Province. 4m.
Aleurone red. Kernel texture soft. Awns and chaff brown.
Spikes inclined. Cultivated. Seed.
- 436487.** 468. Collected February 20, 1979. Cultivated field, 4km west of Achao, Isla Quinchao, Chiloe Province. 4m.
Aleurone red. Kernel texture soft. Awns and chaff tan.
Spikes medium-dense, erect. Cultivated. Seed.
- 436488.** 469. Collected February 20, 1979. Cultivated field, 8km south of Achao, Isla Quinchao, Chiloe Province. 20m.
Aleurone red. Kernel texture soft. Awnless. Chaff tan.
Spikes clavate. Cultivated. Seed.
- 436489.** 470. Collected February 20, 1979. Cultivated field, 8km south of Achao, Isla Quinchao, Chiloe Province. 20m.
Aleurone red. Kernel texture soft. Awnless. Chaff brown.
Spikes dense, inclined. Cultivated. Seed.
- 436490.** 471. Collected February 20, 1979. Cultivated field, 8km south of Achao, Isla Quinchao, Chiloe Province. 20m.
Aleurone red. Kernel texture soft. Awnless. Chaff tan.
Single spike dense, erect. Cultivated. Seed.
- 436491.** 472. Collected February 20, 1979. Cultivated field, 9km south of Achao, Isla Quinchao, Chiloe Province. 20m.
Aleurone red. Kernel texture soft. Awnless. Chaff and straw white. Spikes medium-dense, inclined to erect.
Plants uniform. Cultivated. Seed.
- 436492.** 473. Collected February 20, 1979. Cultivated field, 10km south of Achao, Isla Quinchao, Chiloe Province. 25m.
Aleurone red. Kernel texture semi-hard. Awnless. Chaff and straw white. Spikes lax, inclined. Plants uniform.
Cultivated. Seed.
- 436493.** 478. Collected February 20, 1979. Cultivated field, 11km south of Achao, Isla Quinchao, Chiloe Province. 25m.
Aleurone red. Kernel texture hard. Awnletted. Awns and chaff white. Spikes nodding to inclined. Mixed population of wheat and barley. Cultivated. Seed.
- 436494.** 480. Collected February 20, 1979. Cultivated field, 12km south of Achao, Isla Quinchao, Chiloe Province. 15m.
Aleurone red. Kernel texture soft. Awnless. Chaff tan.
Spikes dense, erect to inclined. Plants uniform.
Cultivated. Seed.
- 436495.** 483. Collected February 20, 1979. Cultivated field, 12km south of Achao, Isla Quinchao, Chiloe Province. 15m.
Aleurone red. Kernel texture soft. Awns and chaff brown.
Spikes lax, inclined. Mixed population of wheat and barley. Cultivated. Seed.

436496. 484. Collected February 20, 1979. Cultivated field, 12km south of Achao, Isla Quinchao, Chiloe Province. 15m. Aleurone red. Kernel texture soft. Awnless. Chaff tan with occasional brown stripe. Spikes lax, erect. Plants uniform. Cultivated. Seed.
436497. 485. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone red. Kernel texture semi-hard. Awnless. Chaff tan. Spikes nodding to inclined. Local name Agofen. Cultivated. Seed.
436498. 486. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone red. Kernel texture soft. Awns and chaff tan. Spikes dense, erect. Local name Barros. Cultivated. Seed.
436499. 487. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone white. Kernel texture semi-hard. Awnless. Chaff tan. Spikes lax, erect. Local name Cachipovla. Cultivated. Seed.
436500. 488. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone white. Kernel texture soft. Awnless. Chaff tan. Spikes lax, nodding. Local name Colorado Torcaza. Cultivated. Seed.
436501. 489. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone white. Kernel texture semi-hard. Awnless. Chaff brown. Spikes erect to inclined. Local name Copifen. Cultivated. Seed.
436502. 490. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone white. Kernel texture semi-hard. Awnless. Chaff tan with brown markings and medium-dense pubescence. Spikes lax, nodding. Local name Primavera de Osorno. Cultivated. Seed.
436503. 491. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone white. Kernel texture soft. Awnless. Chaff white. Spikes nodding to inclined. Local name Biofen. Cultivated. Seed.
436504. 492. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone white. Kernel texture semi-

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- hard. Awnletted apically, tan. Chaff tan. Spikes dense, erect. Local name Blanquillo. Cultivated. Seed.
436505. 493. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone red. Kernel texture soft. Awnless. Chaff tan with some brown markings and medium dense pubescence. Spikes dense, erect. Local name Linaza. Cultivated. Seed.
436506. 494. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone white. Kernel texture hard. Awns and chaff tan. Spikes inclined to nodding. Winter hardy selection of Candéal. Local name Llamuco Candéal. Cultivated. Seed.
436507. 495. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone white. Kernel texture soft. Awnless. Chaff white. Spikes lax, erect. Local name Concordia. Cultivated. Seed.
436508. 496. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone white. Kernel texture semi-hard. Awnless. Chaff tan with medium-dense pubescence. Spikes inclined to erect. Local name Yulio. Cultivated. Seed.
436509. 497. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone red. Kernel texture semi-hard. Awnless. Chaff tan with medium-dense pubescence. Spikes dense, erect. Local name Copihue. Cultivated. Seed.
436510. 498. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. From an experimental plot. Aleurone red. Kernel texture semi-hard. Awnless. Chaff tan. Spikes lax, inclined. Local name Colorado. Cultivated. Seed.
436511. 499. Collected February 23, 1979. INIA Experiment Station, Carillanca, Cautin Province. 150m. An old cultivar donated by Sergio Riva. Aleurone red. Kernel texture hard. Local name Russian. Cultivated. Seed.
436512. 500. Collected February 23, 1979. Cultivated field, 10km west of Temuco, Cautin Province. 150m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes medium-dense, erect. Cultivated. Seed.
436513. 501. Collected February 23, 1979. Cultivated field, 10km

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- west of Temuco, Cautin Province. 150m. Aleurone red.
Kernel texture soft. Awnless. Chaff brown. Spikes medium-
dense, inclined. Cultivated. Seed.
436514. 502. Collected February 23, 1979. Cultivated field, 10km
west of Temuco, Cautin Province. 150m. Aleurone red.
Kernel texture soft. Awns and chaff white. Spikes very
short, lax, erect. Cultivated. Seed.
436515. 504. Collected February 23, 1979. Cultivated field, 12km
west of Temuco, Cautin Province. 150m. Aleurone red.
Kernel texture soft. Awnless. Chaff brown. Spikes
inclined to erect. Plants uniform. Cultivated. Seed.
436516. 505. Collected February 23, 1979. Cultivated field, 15km
west of Temuco, Cautin Province. 150m. Aleurone red.
Kernel texture soft. Awnless. Chaff tan. Spikes lax,
erect. Plants uniform. Cultivated. Seed.
436517. 506. Collected February 23, 1979. Cultivated field, 15km
west of Temuco, Cautin Province. 150m. Aleurone red.
Kernel texture soft. Awnless. Chaff brown. Spikes lax,
erect. Plants uniform. Cultivated. Seed.
436518. 508. Collected February 23, 1979. Cultivated field, 16km
west of Temuco, Cautin Province. 150m. Aleurone red.
Kernel texture soft. Awns and chaff brown. Spikes lax,
erect. Cultivated. Seed.
436519. 512. Collected February 23, 1979. Cultivated field, 5km
west of Quepe, Cautin Province. 150m. Aleurone red.
Kernel texture soft. Awns and chaff tan. Spikes lax,
erect. Plants uniform. Cultivated. Seed.
436520. 513. Collected February 23, 1979. Cultivated field, 5km
west of Quepe, Cautin Province. 150m. Aleurone red.
Kernel texture soft. Awns and chaff brown. Spikes lax,
inclined. Cultivated. Seed.
436521. 514. Collected February 23, 1979. Cultivated field, 12km
west of Quepe, Cautin Province. 150m. Aleurone red.
Kernel texture soft. Awnless. Chaff brown. Spikes medium-
dense, erect. Plants uniform. Cultivated. Seed.
436522. 516. Collected February 23, 1979. Cultivated field, 15km
west of Quepe, Cautin Province. 150m. Aleurone red.
Kernel texture soft. Awnless. Chaff tan. Spikes lax,
inclined. Plants uniform. Cultivated. Seed.
436523. 517. Collected February 23, 1979. Cultivated field, 16km
west of Quepe, Cautin Province. 100m. Aleurone red.
Kernel texture soft. Awnless. Chaff brown. Spikes short,
lax, erect. Cultivated. Seed.

436524. 518. Collected February 23, 1979. Cultivated field, 18km west of Quepe, Cautin Province. 100m. Aleurone red. Kernel texture soft. Awnless. Chaff tan. Spikes short, lax, erect. Plants uniform. Cultivated. Seed.

436525. 519. Collected February 23, 1979. Cultivated field, 19km west of Quepe, Cautin Province. 100m. Aleurone red. Kernel texture soft. Awnless. Chaff brown. Spikes lax, erect to inclined. Plants uniform. Cultivated. Seed.

436526. *Triticum durum* Desf. (Poaceae) Durum wheat.

From Chile. Collected by A. S. Barclay and J. C. Craddock, Economic Botany and Germplasm Resources Laboratories, USDA Agricultural Research Center, Beltsville, Maryland. Received April 1979.

436526. 165. Collected February 07, 1979. Cultivated field, 8km east of Contulmo, Arauco Province. 600m. Aleurone red. Kernel texture hard. Awnletted apically. Chaff brown. Single spike dense, erect. From mixture with *Triticum aestivum*. Cultivated. Seed.

436527. *Crotalaria* sp. (Fabaceae).

From Zaire. Donated by T. G. Hart, Programme National Mais-CIMMYT, Departement de l'Agriculture, Lubumbashi. Received August 1979.

Received as *Crotalaria caricea*. Seed.

436528. *Carya cathayensis* Sargent (Juglandaceae) Cathay hickory.

From China, Peoples Repub of. Collected by C. S. Cheng and B. P. Wang, Chekiang Forestry College, Hangchou, Chekiang. Received November 1979.

Tree. Wild. Seed.

436529. *Cucumis melo* var. *inodorus* Naud. (Cucurbitaceae).

From Senegal. Collected by O. H. Pearson, Department of Plant Breeding, Cornell University, Ithaca, New York. Code numbers refer to Geneva, New York designations (G). Received February 1979.

633. G-22839. From a disease nursery. Early origin Taiwan "Fong U". Honey dew type. Susceptible to downy

436529-continued

mildew. Cultivated. Seed.

436530 TO 436534. *Cucumis melo* var. *reticulatus* (Cucurbitaceae).

From Senegal. Collected by O. H. Pearson, Department of Plant Breeding, Cornell University, Ithaca, New York. Code numbers refer to Geneva, New York designations (G).

Received February 1979.

436530. 635. G-22838. From a disease nursery. Early origin Taiwan "Ching U". Some tolerance to downy mildew. Cultivated. Seed.

436531. 630. G-22840. Early origin Taiwan "Tai Nang #2". Fruit flat netted, globular. High tolerance to downy mildew. Cultivated. Seed.

436532. G-22841. Collected March 1973. Near Seibrikotane. Native type. Leaves small. Fruits 1.5 x 1.0cm, striped, thin-skinned. Flesh green. Some plants may have high resistance to downy and powdery mildews. Cultivated. Seed.

436533. G-22842. Near a commercial field of charentais-type melons, Seibrikotane area. Native type. Possible outcrosses with charentais type. Free of downy mildew. Cultivated. Seed.

436534. G-22843. Collected February 1973. Near Tiguinchor. Native type. Similar to PI 436533. Cultivated. Seed.

436535. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From Guatemala. Collected by Darryl Jordan, Plenty, Summertown, Tennessee.

Received November 1979.

Local type from San Martin Jilotepeque, Chimaltenango. Growth habit bush to runner, high-yielding. Seeds black. Local name Vaina blanca. Cultivated. Seed.

436536. *Raphanus sativus* L. (Brassicaceae) Radish.

From Guatemala. Collected by Darryl Jordan, Plenty, Summertown, Tennessee.

Received November 1979.

Highlands. Commercially produced. Giant white type. Cultivated. Seed.

436537. *Zea mays* subsp. *mexicana* (Schrad.) Iltis (Poaceae) Teosinte.

From Guatemala. Collected by Darryl Jordan, Plenty, Summertown, Tennessee.

Received November 1979.

Market in Guatemala City. May be of Mexican origin. Cultivated. Seed.

436538. *Pyrus communis* L. (Rosaceae) Pear.

From South Africa. Donated by Fruit & Fruit Technology Research Institute, Stellenbosch.

Received November 1979.

BP-1 (Bien Donne 1). For rootstock. Tree. Cultivated. Cuttings.

436539. *Allium fistulosum* L. (Amaryllidaceae) Bunching onion.

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing.

Received through The 1979 Chinese Crop Germplasm Resources Study Group.

Received July 1979.

Zhang qiu da cong. Cultivated. Seed.

436540. *Apium graveolens* var. *dulce* (Mill.) Pers. (Apiaceae) Celery.

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing.

Received through The 1979 Chinese Crop Germplasm Resources Study Group.

Received July 1979.

Shi xin cai. Cultivated. Seed.

436541 TO 436550. *Arachis hypogaea* L. (Fabaceae) Peanut.

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing.

Received through The 1979 Chinese Crop Germplasm Resources Study Group.

Received July 1979.

436541. Beida Tenxian zi pi. Cultivated. Seed.

436542. Da ma ke. Cultivated. Seed.

436541 TO 436550—continued

- 436543. Ehua no. 2. Cultivated. Seed.
- 436544. Ehua no. 3. Cultivated. Seed.
- 436545. Fuhua sheng. Cultivated. Seed.
- 436546. Guangzi Xiao hua sheng. Cultivated. Seed.
- 436547. Hong mei zao. Cultivated. Seed.
- 436548. Huang mei man sheng. Cultivated. Seed.
- 436549. Yue you 551. Cultivated. Seed.
- 436550. Zhong sheng. Cultivated. Seed.

436551. Brassica oleracea var. capitata L. (Brassicaceae) Cabbage.

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing. Received through The 1979 Chinese Crop Germplasm Resources Study Group.
Received July 1979.

Beijing zao shu. Cultivated. Seed.

436552 TO 436561. Brassica napus L. (Brassicaceae) Rape.

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing. Received through The 1979 Chinese Crop Germplasm Resources Study Group.
Received July 1979.

- 436552. Bai guo tian you cai. Cultivated. Seed.
- 436553. Bai You no. 1. Cultivated. Seed.
- 436554. Gan You no. 1. Cultivated. Seed.
- 436555. Gan You no. 2. Cultivated. Seed.
- 436556. Gan You no. 3. Cultivated. Seed.
- 436557. Gan You no. 4. Cultivated. Seed.
- 436558. Gan You no. 5. Cultivated. Seed.
- 436559. Pan xi da Zhai you cai. Cultivated. Seed.

436552 TO 436561-continued

436560. Wu You no. 1. Cultivated. Seed.

436561. Xi shui You cai bai. Cultivated. Seed.

436562 TO 436569. Glycine max (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing. Received through The 1979 Chinese Crop Germplasm Resources Study Group.

Received July 1979.

436562. Ai jiao zao. Cultivated. Seed.

436563. E dou no. 2. Cultivated. Seed.

436564. Hou zi mao. Cultivated. Seed.

436565. Su dou no. 1. Cultivated. Seed.

436566. Yuan Yong no. 401. Cultivated. Seed.

436567. Zan bian no. 20. Cultivated. Seed.

436568. 70-20. Cultivated. Seed.

436569. 1138-2. Cultivated. Seed.

436570 TO 436571. Lycopersicon esculentum Mill. (Solanaceae) Tomato.

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing. Received through The 1979 Chinese Crop Germplasm Resources Study Group.

Received July 1979.

436570. Ai sheng zao shi. Cultivated. Seed.

436571. Da fen no. 1. Cultivated. Seed.

436572. Melilotus sp. (Fabaceae).

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing. Received through The 1979 Chinese Crop Germplasm Resources Study Group.

Received July 1979.

Cao mu xi. Cultivated. Seed.

436573 TO 436587. *Oryza sativa* L. (Poaceae) Rice.

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing. Received through The 1979 Chinese Crop Germplasm Resources Study Group.
Received July 1979.

- 436573. Ai-Kuo-He. Cultivated. Seed.
- 436574. Chang-ou-Tsao. Cultivated. Seed.
- 436575. Chuan-Tsan. Cultivated. Seed.
- 436576. Duo-Gu-Tsan. Cultivated. Seed.
- 436577. Hsiang-Ai-Tsao. Cultivated. Seed.
- 436578. Hsi-Yeh-san Pai-li. Cultivated. Seed.
- 436579. Liu-Yang-Tsao. Cultivated. Seed.
- 436580. Mi-Gu. Cultivated. Seed.
- 436581. San-Pai-li. Cultivated. Seed.
- 436582. Sao-Hsing-Tsan. Cultivated. Seed.
- 436583. Shui-Pai-Tsan. Cultivated. Seed.
- 436584. Shun-shui-To. Cultivated. Seed.
- 436585. TO-Tsan. Cultivated. Seed.
- 436586. Yang-Sha-Tsan. Cultivated. Seed.
- 436587. Yu-Hua-Tsan. Cultivated. Seed.

436588. *Phaseolus vulgaris* L. (Fabaceae) Garden Bean.

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing. Received through The 1979 Chinese Crop Germplasm Resources Study Group.
Received July 1979.

Qing dau jia dou. Cultivated. Seed.

436589 TO 436591. *Raphanus sativus* L. (Brassicaceae) Radish.

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing.

436588 TO 436591-continued

Received through The 1979 Chinese Crop Germplasm Resources Study Group.

Received July 1979.

436588. Bei jing bai luobo. Cultivated. Seed.

436590. Hua Ye xin li mei. Cultivated. Seed.

436591. Ji za no. 2. Cultivated. Seed.

436592 TO 436593. Ricinus communis L. (Euphorbiaceae) Castorbean.

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing.

Received through The 1979 Chinese Crop Germplasm Resources Study Group.

Received July 1979.

436592. You bi no. 1. Cultivated. Seed.

436593. You bi no. 2. Cultivated. Seed.

436594 TO 436603. Sesamum indicum L. (Pedaliaceae) Sesame.

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing.

Received through The 1979 Chinese Crop Germplasm Resources Study Group.

Received July 1979.

436594. Ba fang tuo. Cultivated. Seed.

436595. E zhi no. 1. Cultivated. Seed.

436596. Lao hong zhi ma. Cultivated. Seed.

436597. Lao hong zhuan zhu lian. Cultivated. Seed.

436598. Liu lun zhi ma. Cultivated. Seed.

436599. No. 12. Cultivated. Seed.

436600. Yi yang bai. Cultivated. Seed.

436601. Zhong zhi no. 5. Cultivated. Seed.

436602. Zhong zhi no. 7. Cultivated. Seed.

436603. 2428. Cultivated. Seed.

436604. *Sesbania* sp. (Fabaceae).

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing. Received through The 1979 Chinese Crop Germplasm Resources Study Group.
Received July 1979.

De nong no. 9. Cultivated. Seed.

436605. *Trifolium* sp. (Fabaceae).

From China, Peoples Repub of. Donated by Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing. Received through The 1979 Chinese Crop Germplasm Resources Study Group.
Received July 1979.

Sha da Wang. Cultivated. Seed.

436606. *Brassica oleracea* var. *capitata* L. (Brassicaceae) Cabbage.

From China, Peoples Repub of. Donated by Germplasm Research Institute, Chinese Agricultural Scientific Academy, Beijing. Received through The 1979 U.S. Plant Germplasm Team to People's Republic of China.
Received October 1979.

Heh yeh da ping tou. Cultivated. Seed.

436607. *Brassica pekinensis* (Lour.) Rupr. (Brassicaceae) Chinese cabbage.

From China, Peoples Repub of. Donated by Germplasm Research Institute, Chinese Agricultural Scientific Academy, Beijing. Received through The 1979 U.S. Plant Germplasm Team to People's Republic of China.
Received October 1979.

Fu-san Xiao bao tou. Cultivated. Seed.

436608 TO 436610. *Cucumis sativus* L. (Cucurbitaceae) Cucumber.

From China, Peoples Repub of. Donated by Germplasm Research Institute, Chinese Agricultural Scientific Academy, Beijing. Received through The 1979 U.S. Plant Germplasm Team to People's Republic of China.
Received October 1979.

436608. Tsin san x Yeh 124 F 1. Cultivated. Seed.

436608 TO 436610—continued

436609. Tsin san x Yeh 159 F 1. Cultivated. Seed.

436610. Za Zuan no. 1. Cultivated. Seed.

436611 TO 436620. Glycine max (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Donated by Germplasm Research Institute, Chinese Agricultural Scientific Academy, Beijing. Received through The 1979 U.S. Plant Germplasm Team to People's Republic of China.
Received October 1978.

436611. An 70-4167. Cultivated. Seed.

436612. Feng Shou no. 10. Cultivated. Seed.

436613. Heh Ho no. 3. Cultivated. Seed.

436614. Heh Nung no. 10. Cultivated. Seed.

436615. Heh Nung no. 11. Cultivated. Seed.

436616. Heh Nung no. 16. Cultivated. Seed.

436617. Heh Nung no. 26. Cultivated. Seed.

436618. Ho 76-6045. Cultivated. Seed.

436619. Sui Nung no. 3. Cultivated. Seed.

436620. Tieh Feng no. 18. Cultivated. Seed.

436621. Lycopersicon esculentum Mill. (Solanaceae) Tomato.

From China, Peoples Repub of. Donated by Germplasm Research Institute, Chinese Agricultural Scientific Academy, Beijing. Received through The 1979 U.S. Plant Germplasm Team to People's Republic of China.
Received October 1979.

72-4. Cultivated. Seed.

436622 TO 436626. Panicum miliaceum L. (Poaceae) Proso millet.

From China, Peoples Repub of. Donated by Germplasm Research Institute, Chinese Agricultural Scientific Academy, Beijing. Received through The 1979 U.S. Plant Germplasm Team to People's Republic of China.
Received October 1979.

436622 TO 436626-continued

436622. Lung Shu no. 5. Cultivated. Seed.

436623. Lung Shu no. 7. Cultivated. Seed.

436624. Lung Shu no. 14. Cultivated. Seed.

436625. Lung Shu no. 16. Cultivated. Seed.

436626. Lung Shu no. 18. Cultivated. Seed.

436627. Phaseolus vulgaris L. (Fabaceae) Garden bean.

From China, Peoples Repub of. Donated by Germplasm Research Institute, Chinese Agricultural Scientific Academy, Beijing. Received through The 1979 U.S. Plant Germplasm Team to People's Republic of China. Received October 1979.

Chu-cheng Chia yu tou. Cultivated. Seed.

436628. Raphanus sativus L. (Brassicaceae) Radish.

From China, Peoples Repub of. Donated by Germplasm Research Institute, Chinese Agricultural Scientific Academy, Beijing. Received through The 1979 U.S. Plant Germplasm Team to People's Republic of China. Received October 1979.

Wei-hsien. Cultivated. Seed.

436629 TO 436643. Setaria italica (L.) Beauv. (Poaceae) Foxtail millet.

From China, Peoples Repub of. Donated by Germplasm Research Institute, Chinese Agricultural Scientific Academy, Beijing. Received through The 1979 U.S. Plant Germplasm Team to People's Republic of China. Received October 1979.

436629. Cheng-gu no. 2. Cultivated. Seed.

436630. Ho-erh-ping no. 5. Cultivated. Seed.

436631. Ho-erh-ping no. 11. Cultivated. Seed.

436632. Liu tiao ching. Cultivated. Seed.

436633. Lu gu no. 3. Cultivated. Seed.

436634. Lung gu no. 23. Cultivated. Seed.

436629 TO 436643-continued

- 436635. Lung gu no. 24. Cultivated. Seed.
- 436636. Lu shih gih Huan Luen. Cultivated. Seed.
- 436637. Pei huang no. 2. Cultivated. Seed.
- 436638. Pei huang no. 4. Cultivated. Seed.
- 436639. Shao Mo ching. Cultivated. Seed.
- 436640. Sui gu no. 1. Cultivated. Seed.
- 436641. Tao Pa Chi. Cultivated. Seed.
- 436642. Yin tien han. Cultivated. Seed.
- 436643. 7441. Cultivated. Seed.

436644 TO 436647. Capsicum annum L. (Solanaceae).

From China, Peoples Repub of. Donated by Vegetable Research Institute, Chinese Agricultural Scientific Academy, Beijing. Received through The 1979 U.S. Plant Germplasm Team to People's Republic of China. Received October 1979.

- 436644. Chou pi la tsiao. Cultivated. Seed.
- 436645. Erh Fu tou. Cultivated. Seed.
- 436646. Kuei-yang la tsiao. Cultivated. Seed.
- 436647. Nanking shao tsiao. Cultivated. Seed.

436648 TO 436649. Cucumis sativus L. (Cucurbitaceae) Cucumber.

From China, Peoples Repub of. Donated by Vegetable Research Institute, Chinese Agricultural Scientific Academy, Beijing. Received through The 1979 U.S. Plant Germplasm Team to People's Republic of China. Received October 1979.

- 436648. Chang Chung. Cultivated. Seed.
- 436649. 364715. Cultivated. Seed.

436650 TO 436654. Lycopersicon esculentum Mill. (Solanaceae) Tomato.

From China, Peoples Repub of. Donated by Vegetable Research

436650 TO 436654—continued

Institute, Chinese Agricultural Scientific Academy, Beijing.
Received through The 1979 U.S. Plant Germplasm Team to
People's Republic of China.
Received October 1979.

436650. A652. Cultivated. Seed.

436651. Chiang Mih F 1. Cultivated. Seed.

436652. Tan hua fan chieh 73-3-4. Cultivated. Seed.

436653. Ta yeh Tsao fan. Cultivated. Seed.

436654. Tsao Fen no. 2. Cultivated. Seed.

436655 TO 436656. Cynodon dactylon (L.) Pers. (Poaceae) Bermudagrass.

From China, Peoples Repub of. Collected by W.W. Hanna, USDA,
Coastal Plain Station, Tifton, Georgia. Received through The
1979 U.S. Plant Germplasm Team to People's Republic of China.
Received October 1979.

436655. Ber.-1. Collected September 03, 1979. Zhengzhou
Agricultural Academy, Zhengzhou, Honan Province. Growing
next to a weather station. Wild. Stolons.

436656. Ber.-3. Collected September 06, 1979. Next to People
Square, Xian, Shaanxi Province. Plants dark green, low
growing. Wild. Seed.

436657 TO 436658. Pennisetum sp. (Poaceae).

From China, Peoples Repub of. Collected by W.W. Hanna, USDA,
Coastal Plain Station, Tifton, Georgia. Received through The
1979 U.S. Plant Germplasm Team to People's Republic of China.
Received October 1979.

436657. Pen-1. Collected August 30, 1979. Mt. Tai near Taian,
Shandong Province. Single plant about 0.3m tall, growing
in crack of rock steps. Wild. Seed.

436658. Pen-2. Collected September 01, 1979. Roadside in
Qingdao, Shandong Province. Single plant about 0.4m tall.
Anthers semi-sterile. Wild. Seed.

436659 TO 436660. Zoysia sp. (Poaceae).

From China, Peoples Repub of. Collected by W.W. Hanna, USDA,
Coastal Plain Station, Tifton, Georgia. Received through The
1979 U.S. Plant Germplasm Team to People's Republic of China.

436659 TO 436660—continued
Received October 1979.

436659. Z-1. Collected September 01, 1979. Yellow Sea beach park, Qingdao, Shandong Province. Cultivated. Rhizomes.

436660. Z-2. Collected September 01, 1979. In a park, Qingdao, Shandong Province. Cultivated. Rhizomes.

436661 TO 436667. *Brassica oleracea* var. *capitata* L. (Brassicaceae)
Cabbage.

From China, Peoples Repub of. Donated by H. Chen, Beijing Vegetable Research Institute, Chinese Academy of Agricultural Sciences, Beijing.

Received November 1979.

436661. Bao Chun 1. Cultivated. Seed.

436662. Bao Chun 2. Cultivated. Seed.

436663. Bao Chun 3. Cultivated. Seed.

436664. Jing Fung 1. Cultivated. Seed.

436665. Jing Fung 2. Cultivated. Seed.

436666. 7205-46. Cultivated. Seed.

436667. 7224-5. Cultivated. Seed.

436668 TO 436671. *Brassica pekinensis* (Lour.) Rupr. (Brassicaceae)
Chinese cabbage.

From China, Peoples Repub of. Donated by H. Chen, Beijing Vegetable Research Institute, Chinese Academy of Agricultural Sciences, Beijing.

Received November 1979.

436668. Bao Xingbai 1. Cultivated. Seed.

436669. Bao Xingbai 2. Cultivated. Seed.

436670. Fan Xingbai. Cultivated. Seed.

436671. Su Zhouqing. Cultivated. Seed.

436672 TO 436673. *Cucumis sativus* L. (Cucurbitaceae) Cucumber.

From China, Peoples Repub of. Donated by H. Chen, Beijing Vegetable Research Institute, Chinese Academy of Agricultural

436672 TO 436673—continued
Sciences, Beijing.
Received November 1979.

436672. Autumn 1. Cultivated. Seed.

436673. Autumn 2. Cultivated. Seed.

436674. *Daucus carota* subsp. *sativus* (Hoffm.) Arcang. (Apiaceae)
Carrot.

From China, Peoples Repub of. Donated by H. Chen, Beijing
Vegetable Research Institute, Chinese Academy of Agricultural
Sciences, Beijing.
Received November 1979.

Yellow. Cultivated. Seed.

436675 TO 436678. *Raphanus sativus* L. (Brassicaceae) Radish.

From China, Peoples Repub of. Donated by H. Chen, Beijing
Vegetable Research Institute, Chinese Academy of Agricultural
Sciences, Beijing.
Received November 1979.

436675. Ban Hong. Cultivated. Seed.

436676. Doug Longhong. Cultivated. Seed.

436677. Guo Guang. Cultivated. Seed.

436678. Ying Tao. Cultivated. Seed.

436679 TO 436680. *Solanum melongena* L. (Solanaceae) Eggplant.

From China, Peoples Repub of. Donated by H. Chen, Beijing
Vegetable Research Institute, Chinese Academy of Agricultural
Sciences, Beijing.
Received November 1979.

436679. Ani Young 3. Cultivated. Seed.

436680. Chi Yei. Cultivated. Seed.

436681 TO 436683. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Donated by Kirin Academy of
Agricultural Sciences, Kungchuling, Kirin Province. Received
through W.O. Scott, Department of Agronomy, University of
Illinois, Urbana.

436681 TO 436683-continued
Received December 1979.

436681. Ji Lin 13. Cultivated. Seed.

436682. Ji Lin 15. Cultivated. Seed.

436683. Ji Lin 16. Cultivated. Seed.

436684 TO 436685. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Japan. Donated by Mitsui Inc., Tokyo. Received through W.O. Scott, Department of Agronomy, University of Illinois, Urbana.
Received December 1979.

436684. Tie-feng 8. China, Peoples Repub of. Liaoning Province.
Cultivated. Seed.

436685. Tie-feng 19. China, Peoples Repub of. Liaoning Province.
Cultivated. Seed.

436686 TO 436687. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae)
Leadtree.

From Dominican Republic. Donated by Organizacion de las Naciones Unidas (FAO), Para la Agricultura y la Alimentacion, Santa Domingo.
Received February 1979.

436686. Mao. From a dry area. Cultivated. Seed.

436687. Vuelta larga. From a humid area. Cultivated. Seed.

436688. *Citrus reticulata* Blanco (Rutaceae) Mandarin.

From Japan. Collected by S. G. March, United States National Arboretum, U. S. Department of Agriculture, Washington, D.C.
Received December 1979.

J 852. 'Okitsu-wase'. Collected November 30, 1978.
Purchased at a garden center, Nagoya. A cultivar of the Japanese Mikan. Fruit flavor excellent. Hardiness good.
Cultivated. Cuttings.

436689 TO 436696. *Acacia angustissima* (Mill.) Kuntze (Fabaceae)
Prairie acacia.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.
Received August 1979.

436689 TO 436696-continued

436689. PMT-4194. Collected October 1977. Oklahoma Co., Oklahoma. 366m. Collected by J. Hise. Seed heavily used by wildlife. Perennial woody. Seed.
436690. PMT-4287. Collected August 1977. Kingfisher Co., Oklahoma. 352m. Collected by G. Gorman. Perennial woody. Seed.
436691. PMT-4292. Collected October 1977. Blaine Co., Oklahoma. 482m. Collected by L. Fitzpatrick. Perennial woody. Seed.
436692. PMT-4314. Collected September 1977. Coal Co., Oklahoma. 176m. Collected by R. Holman. Perennial woody. Seed.
436693. PMT-4317. Collected August 1977. Murray Co., Oklahoma. Collected by E. Weisner. Perennial woody. Seed.
436694. PMT-4318. Collected August 1977. Murray Co., Oklahoma. Collected by E. Weisner. Perennial woody. Seed.
436695. PMT-4411. Collected September 1977. Payne Co., Oklahoma. 273m. Collected by E. Snook. Perennial woody. Seed.
436696. PMT-4412. Collected September 1977. Payne Co., Oklahoma. 273m. Collected by E. Snook. Perennial woody. Seed.

436697. *Acacia* sp. (Fabaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.
Received August 1979.

PMT-3921. Collected December 1975. Pecos Co., Texas. 894m. Collected by A. Miller. Perennial woody. Seed.

436698 TO 436699. *Acer grandidentatum* Nutt. ex Torr. & Gray
(Aceraceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.
Received August 1978.

436698. PMT-3900. Collected September 1975. Bandera Co., Texas. Collected by M. Ward. Tree. Seed.
436699. PMT-4516. Collected October 1978. Bandera Co., Texas. 485m. Collected by G. Van Meter. Tree. Seed.

436700 TO 436701. *Acer* sp. (Aceraceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1979.

436700. PMT-4031. Collected 1973. Tree. Seed.

436701. PMT-4032. Collected 1973. Tree. Seed.

436702. *Aesculus pavia* L. (Hippocastanaceae) Red buckeye.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1979.

PMT-3877. Collected October 1975. Nacogdoches Co., Texas.
Collected by A. Shaw. Perennial woody. Seed.

436703. *Agropyron* sp. (Poaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1979.

PMT-4496. Collected October 1977. McLennan Co., Texas.
129m. Collected by R. Mauldin. Perennial herb. Plants.

436704. *Alopecurus arundinaceus* Poir. (Poaceae) Creeping foxtail.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1979.

'Garrison'. Collected November 1976. McLean Co., North Dakota. Released in 1963 by Bismarck Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, in cooperation with the Wyoming Agricultural Experiment Station. Perennial herb. Cultivated. Cultivar. Seed.

436705. *Amblyolepis setigera* DC. (Asteraceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

436705-continued

Received August 1978.

PMT-4266. Texas. Collected by R. Mauldin. Perennial herb. Seed.

436706. *Amorpha canescens* Pursh (Fabaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

PMT-3854. Collected June 1975. Moore Co., Texas. 1061m. Collected by F. Squyres. Perennial woody. Seed.

436707 TO 436715. *Amorpha fruticosa* L. (Fabaceae) Indigobush.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

436707. PMT-4017. Collected February 1976. Tarrant Co., Texas. Collected by A. Davis. Perennial woody. Seed.

436708. PMT-4188. Collected October 1977. Stephens Co., Oklahoma. 333m. Collected by W. Runnells. No grazing pressure on site. Perennial woody. Seed.

436709. PMT-4240. Collected November 1977. Custer Co., Oklahoma. 487m. Collected by F. Perryman. Growing in seriously eroding gully. Perennial woody. Seed.

436710. PMT-4277. Collected September 1977. Caddo Co., Oklahoma. 382m. Collected by G. Moreland. Perennial woody. Seed.

436711. PMT-4283. Collected October 1977. Kingfisher Co., Oklahoma. 361m. Perennial woody. Seed.

436712. PMT-4293. Collected September 1977. Noble Co., Oklahoma. 303m. Collected by B. Harney. Perennial woody. Seed.

436713. PMT-4311. Collected November 1977. Love Co., Oklahoma. Collected by E. Matheny. Perennial woody. Seed.

436714. PMT-4475. Collected August 1978. Sequoyah Co., Oklahoma. 182m. Collected by B. Bolles. Perennial woody. Seed.

436715. PMT-4476. Collected August 1978. Delaware Co., Oklahoma. 349m. Collected by O. Bennett. Perennial woody. Seed.

436716 TO 436717. *Andropogon gerardii* Vitm. (Poaceae) Big bluestem.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

436716. PMT-337. Collected October 1975. Montague Co., Texas. 273m. Collected by J. Simmons. Perennial herb. Seed.

436717. PMT-4576. Collected November 1978. Bandera Co., Texas. 600m. Collected by P. Wright. Perennial herb. Seed.

436718. *Andropogon glomeratus* (Walt.) B. S. P. (Poaceae) Bluestem.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

PMT-4543. Collected October 1978. Bee Co., Texas. 30m. Collected by S. Warner. Perennial herb. Seed.

436719 TO 436722. *Andropogon hallii* Hack. (Poaceae) Sand bluestem.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

436719. PMT-3927. Collected November 1974. Wood Co., Texas. Collected by C. Cox. Perennial herb. Seed.

436720. PMT-4058. Collected November 1976. Clay Co., Texas. 303m. Collected by L. Pace. Perennial herb. Seed.

436721. PMT-4544. Collected October 1978. Cochran Co., Texas. 1185m. Collected by R. Walkup. Perennial herb. Seed.

436722. PMT-4575. Collected November 1978. Nolan Co., Texas. 697m. Collected by J. Wimberly. Perennial herb. Seed.

436723. *Andropogon* sp. (Poaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

PMT-4070. Collected November 1976. North Carolina. Collected by S. Dronen. Perennial herb. Plants.

436724. Arundinaria gigantea subsp. tecta (Walt.) McClure (Poaceae)
Switchcane.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

PMT-4421. Collected March 1978. Knox Co., Texas. 455m.
Collected by W. Bolzle. Composite of PMT-2387, PMT-2437,
and PMT-2796. Perennial herb. Rhizomes.

436725 TO 436726. Arundinaria sp. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

436725. PMT-4371. Collected January 1978. Cherokee Co., Texas.
106m. Collected by B. Kral. Plants growing in upland
situation. Perennial herb. Rhizomes.

436726. PMT-4372. Collected January 1978. Cherokee Co., Texas.
76m. Collected by B. Kral. Plants have very large leaves.
Perennial herb. Rhizomes.

436727. Arundo donax L. (Poaceae) Giant reed.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

PMT-4437. Collected May 1978. Knox Co., Texas. 455m.
Composite of several accessions. Perennial herb. Rhizomes.

436728 TO 436760. Aster ericoides L. (Asteraceae) Heath aster.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1979.

436728. PMT-3892. Collected November 1975. Jack Co., Texas.
Collected by R. Svacina. Perennial herb. Seed.

436729. PMT-3893. Collected November 1975. Grayson Co., Texas.
Collected by D. Hodges. Perennial herb. Seed.

436730. PMT-3894. Collected November 1975. Young Co., Texas.

436728 TO 436760-continued

Collected by R. Wink. Perennial herb. Seed.

- 436731.** PMT-3906. Collected November 1975. Dallas Co., Texas.
Collected by J. O'Conner. Perennial herb. Seed.
- 436732.** PMT-4169. Collected September 1977. Harper Co., Oklahoma.
543m. Collected by D.M. Hungerford. Perennial herb. Seed.
- 436733.** PMT-4205. Collected October 1977. Ellis Co., Oklahoma.
727m. Collected by C. Mackey. Perennial herb. Seed.
- 436734.** PMT-4206. Collected November 1977. Morgan Co., Oklahoma.
Collected by F. Schneider. Perennial herb. Seed.
- 436735.** PMT-4210. Collected October 1977. Nacogdoches Co., Texas.
104m. Collected by R. Dolezel. Perennial herb. Seed.
- 436736.** PMT-4214. Collected November 1977. Dickens Co., Texas.
697m. Collected by W. Lewis. Perennial herb. Seed.
- 436737.** PMT-4222. Collected October 1977. Collin Co., Texas.
179m. Collected by R. Churchill. Perennial herb. Seed.
- 436738.** PMT-4228. Collected November 1977. Fannin Co., Texas.
211m. Collected by C. Hunter. Perennial herb. Seed.
- 436739.** PMT-4231. Collected November 1977. Rogers Co., Oklahoma.
206m. Collected by A. Hamilton. Perennial herb. Seed.
- 436740.** PMT-4237. Collected November 1977. Liberty Co., Texas.
14m. Collected by T. Smith. Perennial herb. Seed.
- 436741.** PMT-4238. Collected November 1977. Liberty Co., Texas.
14m. Collected by T. Smith. Perennial herb. Seed.
- 436742.** PMT-4239. Collected November 1977. Liberty Co., Texas.
15m. Collected by J. Pearce. Perennial herb. Seed.
- 436743.** PMT-4245. Collected October 1977. Grayson Co., Texas.
230m. Collected by L. Poindexter. Perennial herb. Seed.
- 436744.** PMT-4271. Collected October 1977. Cleveland Co.,
Oklahoma. 346m. Collected by L. Wright. Perennial herb.
Seed.
- 436745.** PMT-4272. Collected October 1977. Burleson Co., Texas.
123m. Collected by D. Rice. Perennial herb. Seed.
- 436746.** PMT-4275. Collected November 1977. Mitchell Co., Texas.
691m. Collected by C. Cox. Perennial herb. Seed.
- 436747.** PMT-4278. Collected October 1977. Caddo Co., Oklahoma.
385m. Collected by G. Moreland. Perennial herb. Seed.

436728 TO 436760-continued

- 436748.** PMT-4294. Collected September 1977. Noble Co., Oklahoma. 303m. Collected by J. Teakell. Perennial herb. Seed.
- 436749.** PMT-4299. Collected December 1977. Coleman Co., Texas. 502m. Collected by J. Watson. Perennial herb. Seed.
- 436750.** PMT-4304. Collected November 1977. Falls Co., Texas. 149m. Collected by R. Oliver. Perennial herb. Seed.
- 436751.** PMT-4328. Collected December 1977. Shakelford Co., Texas. 409m. Collected by R. Lopez. Perennial herb. Seed.
- 436752.** PMT-4340. Collected December 1977. Denton Co., Texas. 188m. Collected by G. Ford. Perennial herb. Seed.
- 436753.** PMT-4343. Collected November 1977. Kendall Co., Texas. 455m. H. Bergmann and K. Ferguson. Growing in seep area on road cut. Perennial herb. Seed.
- 436754.** PMT-4391. Collected October 1977. Comal Co., Texas. 189m. Collected by G. Rainwater. Perennial herb. Seed.
- 436755.** PMT-4401. Collected November 1977. Tom Green Co., Texas. 567m. Collected by R. Ward. Perennial herb. Seed.
- 436756.** PMT-4404. Collected October 1977. Grady Co., Oklahoma. 332m. Collected by P. Worthing. Perennial herb. Seed.
- 436757.** PMT-4417. Collected December 1977. Washington Co., Texas. 91m. Collected by Wabrmund. Perennial herb. Seed.
- 436758.** PMT-4427. Collected November 1977. Baylor Co., Texas. 364m. Collected by D. Sikes. Perennial herb. Seed.
- 436759.** PMT-4520. Collected October 1978. Harmon Co., Oklahoma. 494m. Collected by L. Odom. Perennial herb. Seed.
- 436760.** PMT-4570. Collected November 1978. Briscoe Co., Texas. 779m. Collected by R. Rauch. Perennial herb. Seed.

436761. Aster sp. (Asteraceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

PMT-3907. Collected November 1975. Denton Co., Texas. G. Floyd. Perennial herb. Seed.

436762. *Astragalus missouriensis* Nutt. (Fabaceae) Milkvetch.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1998.

PMT-3806. Collected May 1975. Knox Co., Texas. Collected
by M. McCrary. Perennial herb. Seed.

**436763 TO 436771. *Atriplex canescens* (Pursh) Nutt. (Chenopodiaceae)
Fourwing saltbush.**

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

436763. PMT-3932. Collected November 1975. Reeves Co., Texas.
976m. Collected by W. Bolzle. Perennial woody. Seed.

436764. PMT-3935. Collected November 1974. Reeves Co., Texas.
848m. Collected by D. Mooney. Perennial woody. Seed.

436765. PMT-3945. Collected November 1975. El Paso Co., Texas.
Collected by J. McDonald. Perennial woody. Seed.

436766. PMT-3960. Collected December 1975. Reeves Co., Texas.
788m. Collected by J. Merz. Perennial woody. Seed.

436767. PMT-3967. Collected January 1975. El Paso Co., Texas.
1220m. Collected by J. McDonald. Perennial woody. Seed.

436768. PMT-3974. Collected October 1975. Hudspeth Co., Texas.
1121m. Collected by J. Robinson. Perennial woody. Seed.

436769. PMT-3978. Collected January 1975. Loving Co., Texas.
818m. Collected by J. Mertz. Perennial woody. Seed.

436770. PMT-3988. Collected August 1975. Hudspeth Co., Texas.
1182m. Collected by T. Davey. Perennial woody. Seed.

436771. PMT-4567. Collected September 1978. Pecos Co., Texas.
785m. Collected by T. Smith. Perennial woody. Seed.

**436772 TO 436774. *Baptisia australis* (L.) R. Br. (Fabaceae) Blue wild-
indigo.**

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

436772 TO 436774--continued

436772. PMT-3836. Collected September 1975. Lipscomb Co., Texas.
748m. Collected by L. Garrison. Perennial herb. Seed.

436773. PMT-3837. Collected August 1975. Hemphill Co., Texas.
687m. Collected by E. Seidensticker. Perennial herb. Seed.

436774. PMT-4573. Collected November 1978. Collingsworth Co.,
Texas. 687m. Collected by T. Powell. Perennial herb. Seed.

436775. *Bauhinia congesta* (Britt. & Rose) Lundell (Fabaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

PMT-3863. Collected September 1975. Kinney Co., Texas.
303m. Collected by H. Ragsdale. Perennial woody. Seed.

436776. *Berberis trifoliolata* Moric. (Berberidaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

PMT-4517. Collected May 1978. Mitchell Co., Texas. 824m.
Collected by L. Pace. Perennial woody. Seed.

436777. *Berchemia scandens* (J. Hill) K. Koch (Ehamnaceae) Alabama
supplejack.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

PMT-3838. Collected October 1975. Bowie Co., Texas.
Collected by M. McCrary. Perennial woody. Seed.

436778 TO 436794. *Bothriochloa barbinodis* (Lag.) Herter (Poaceae) Cane
bluestem.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

436778 TO 436794-continued

- 436778.** PMT-4484. Collected August 1978. Jim Wells Co., Texas. 35m. Collected by C. Remmers. Perennial herb. Seed.
- 436779.** PMT-4487. Collected September 1978. Lipscomb Co., Texas. 788m. Perennial herb. Seed.
- 436780.** PMT-4489. Collected July 1978. Shackelford Co., Texas. 467m. Collected by H. Vzaguirre. Perennial herb. Seed.
- 436781.** PMT-4491. Collected July 1978. Taylor Co., Texas. 586m. Collected by A. Resendez. Perennial herb. Seed.
- 436782.** PMT-4492. Collected September 1978. Archer Co., Texas. 312m. Collected by T. Bean. Perennial herb. Seed.
- 436783.** PMT-4493. Collected August 1978. Garza Co., Texas. 849m. Collected by C. Morris. Perennial herb. Seed.
- 436784.** PMT-4498. Collected July 1978. Jack Co., Texas. 340m. Collected by J. Wallace. Perennial herb. Seed.
- 436785.** PMT-4500. Collected June 1978. Young Co., Texas. 356m. Collected by P. Rice. Perennial herb. Seed.
- 436786.** PMT-4521. Collected August 1978. Hood Co., Texas. 309m. Collected by R. Boston. Perennial herb. Seed.
- 436787.** PMT-4551. Cochran Co., Texas. 1150m. Collected by R. Walkup. Perennial herb. Seed.
- 436788.** PMT-4556. Collected September 1978. Pecos Co., Texas. 732m. Collected by T. Smith. Perennial herb. Seed.
- 436789.** PMT-4560. Collected October 1978. Terrell Co., Texas. 887m. Collected by R. Schimcek. Perennial herb. Seed.
- 436790.** PMT-4565. Collected October 1978. Terrell Co., Texas. 671m. Collected by R. Schimcek. Perennial herb. Seed.
- 436791.** PMT-4579. Collected October 1978. Kent Co., Texas. 600m. Collected by H. Hernandez. Perennial herb. Seed.
- 436792.** PMT-4586. Collected November 1978. Lubbock Co., Texas. 848m. Collected by B. Drisdale. Perennial herb. Seed.
- 436793.** PMT-4593. Collected June 1978. Dickens Co., Texas. 697m. Collected by D. Keeling. Perennial herb. Seed.
- 436794.** PMT-4594. Collected October 1978. Reeves Co., Texas. 909m. Collected by M. Rogers. Perennial herb. Seed.

436795. *Bothriochloa exaristata* (Nash) Henr. (Poaceae) Awnless bluestem.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

PMT-3630. Collected July 1974. Brazoria Co., Texas. Collected by R. Fleetwood. This species on T.O.E.S. list. Perennial herb. Seed.

436796. *Bothriochloa saccharoides* (Sw.) Rydb. (Poaceae) Silver bluestem.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1979.

PMT-4341. Collected November 1977. Milam Co., Texas. 167m. Collected by R. Whalen. Growing on abandoned strip mine spoil. Perennial herb. Seed.

436797 TO 436799. *Bouteloua breviseta* Vasey (Poaceae) Gyp gramagrass.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

436797. PMT-3955. Collected October 1974. Presidio Co., Texas. 1091m. Collected by J. Lumm. Plant had good vigor. Perennial herb. Seed.

436798. PMT-3966. Collected October 1975. Culberson Co., Texas. 1364m. Collected by J. Henson. Perennial herb. Seed.

436799. PMT-3979. Collected August 1974. Hudspeth Co., Texas. 1182m. Collected by T. Davey. Perennial herb. Seed.

436800 TO 436802. *Bouteloua curtipendula* (Michx.) Torr. (Poaceae) Side-oats grama.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

436800. PMT-3918. Collected November 1974. Terrell Co., Texas. 871m. Collected by L. Seymore. Perennial herb. Seed.

436800 TO 436802-continued

436801. PMT-4050. Collected October 1976. McCullough Co., Texas.
455m. Collected by E. Valliat. Perennial herb. Seed.

436802. PMT-4305. Collected November 1977. Falls Co., Texas.
142m, Collected by G. Harmon. Perennial herb. Seed.

436803 TO 436805. *Bouteloua gracilis* (Willd.ex H.B.K.)Lag. ex
Griffiths (Poaceae) Blue grama.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1979.

436803. PMT-3954. Collected October 1974. Presidio Co., Texas.
1424m. Collected by J. Lumm. Perennial herb. Seed.

436804. PMT-3976. Collected September 1975. Hudspeth Co., Texas.
1212m. Collected by R. Mock. Perennial herb. Seed.

436805. PMT-4569. Collected November 1978. Swisher Co., Texas.
371m. Collected by B. Lee. Perennial herb. Seed.

436806. *Bromus unioloides* H.B.K. (Poaceae) Rescuegrass.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1979.

PMT-4499. Collected October 1978. McLennan Co., Texas.
129m. Collected by R. Mauldin. Perennial herb. Seed.

436807 TO 436811. *Bumelia lanuginosa* (Michx.) Pers. (Sapotaceae) Gum
bumelia.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1979.

436807. PMT-3874. Collected October 1975. Taylor Co., Texas.
439m. Collected by L. Pace. Tree. Seed.

436808. PMT-4071. Collected November 1976. Hardeman Co., Texas.
Collected by B. Martin. Tree. Seed.

436809. PMT-4334. Collected October 1977. Hardeman Co., Texas.
455m. Collected by G. Scott. Tree. Seed.

436807 TO 436811-continued

436810. PMT-4533. Collected November 1978. Somervell Co., Texas.
206m. Tree. Seed.

436811. PMT-4571. Collected September 1978. Hamilton Co., Texas.
364m. Collected by R. Purdom. Tree. Seed.

436812 TO 436813. *Calamovilfa gigantea* (Nutt.) Scribn. & Merr.
(Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received August 1978.

436812. PMT-3953. Collected November 1974. Ward Co., Texas. 818m.
Collected by C. Cox. Perennial herb. Seed.

436813. PMT-3959. Collected October 1975. Winkler Co., Texas.
848m. Collected by C. Cox. Perennial herb. Seed.

436814. *Carex* sp. (Cyperaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received August 1978.

PMT-3881. Collected November 1975. Calhoun Co., Texas.
Collected by D. Palmer. Perennial herb. Plants.

436815 TO 436818. *Carya illinoensis* (Wangenh.) K. Koch (Juglandaceae)
Pecan.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received August 1978.

436815. PMT-3828. Collected April 1974. Knox Co., Texas.
Collected by L. Pace. Tree. Seed.

436816. PMT-3901. Collected December 1975. Clay Co., Texas.
Collected by L. Pace. Tree. Seed.

436817. PMT-4049. Collected October 1976. Knox Co., Texas. 455m.
Collected by V. Buckley. Tree. Seed.

436818. PMT-4535. Collected November 1978. Somervell Co., Texas.
206m. Tree. Seed.

436819. *Cassia fasciculata* Michx. (Fabaceae) Partridge pea.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1979.

PMT-4201. Collected August 1977. Falls Co., Texas. 130m.
Collected by R. Oliver. Annual. Seed.

436820. *Cassia* sp. (Fabaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1979.

PMT-4217. Collected November 1977. Tillman Co., Oklahoma.
294m. Collected by O. Bennett. Annual. Seed.

436821 TO 436822. *Castanea dentata* (Marsh.) Borkh. (Fagaceae) American chestnut.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1979.

436821. PMT-3829. Texas. Tree. Seed.

436822. PMT-3910. Collected October 1975. Cass Co., Texas.
Collected by T. Elders. Tree. Seed.

436823 TO 436830. *Castanea pumila* (L.) Mill. (Fagaceae) Allegheny chinkapin.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1979.

436823. PMT-4192. Collected October 1977. Nacogdoches Co., Texas.
106m. Collected by C. Compton. Perennial woody. Seed.

436824. PMT-4207. Collected November 1977. Smith Co., Texas.
125m. Collected by M. Porter. Perennial woody. Seed.

436825. PMT-4208. Collected November 1977. Wood Co., Texas. 125m.
Collected by M. Porter. Perennial woody. Seed.

436826. PMT-4209. Collected November 1977. Cass Co., Texas. 115m.

436823 TO 436830--continued

Collected by T. Elders. Perennial woody. Seed.

436827. PMT-4220. Collected October 1977. Titus Co., Texas. 91m.
Collected by J. Stewart. Perennial woody. Seed.

436828. PMT-4224. Collected October 1977. Hardin Co., Texas. 30m.
Collected by E. Smith. Perennial woody. Seed.

436829. PMT-4225. Collected October 1977. Hardin Co., Texas. 19m.
Collected by E. Smith. Perennial woody. Seed.

436830. PMT-4418. Collected October 1977. Leon Co., Texas. 91m.
Collected by W. Easterling. Perennial woody. Seed.

436831. *Castanea* sp. (Fagaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

PMT-3878. Collected September 1975. Nacogdoches Co.,
Texas. Collected by A. Randal. Perennial woody. Seed.

**436832 TO 436833. *Ceanothus americanus* L. (Rhamnaceae) *Jerseytea*
ceanothus.**

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

436832. PMT-3831. Collected March 1972. Georgia. Perennial woody.
Seed.

436833. PMT-3833. Collected March 1972. Georgia. Perennial woody.
Seed.

436834 TO 436835. *Celtis* sp. (Ulmaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

436834. PMT-4503. Collected September 1978. Hardeman Co., Texas.
409m. Collected by B. Martin. Tree. Seed.

436835. PMT-4534. Collected November 1978. Somervell Co., Texas.
206m. Tree. Seed.

436836 TO 436842. *Cercis canadensis* var. *texensis* (S. Wats.) M. Hopkins (Fabaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1979.

436836. PMT-4025. Collected June 1976. Taylor Co., Texas. 485m. Collected by B. Baker. Perennial woody. Seed.

436837. PMT-4026. Collected June 1976. Taylor Co., Texas. 485m. Collected by B. Baker. Perennial woody. Seed.

436838. PMT-4162. Collected September 1977. Taylor Co., Texas. 545m. Collected by L. Pace. Heavy seed producer. Perennial woody. Seed.

436839. PMT-4505. Collected October 1978. Taylor Co., Texas. 584m. Collected by L. Pace. Perennial woody. Seed.

436840. PMT-4537. Collected November 1978. Somervell Co., Texas. 206m. Perennial woody. Seed.

436841. PMT-4547. Collected November 1978. Coryell Co., Texas. 205m. Perennial woody. Seed.

436842. PMT-4548. Collected November 1978. Coryell Co., Texas. 205m. Perennial woody. Seed.

436843 TO 436846. *Cenchrus ciliaris* L. (Poaceae) Buffelgrass.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1979.

436843. PMT-4044. Collected September 1976. Blanco Co., Texas. 418m. Collected by M. Taylor. Survived 10 degrees F. Perennial herb. Seed.

436844. PMT-4438. Collected June 1978. Uvalde Co., Texas. 277m. Collected by R. Price. Perennial herb. Seed.

436845. PMT-4523. Collected October 1978. Val Verde Co., Texas. 494m. Collected by K. Sparks. Perennial herb. Seed.

436846. PMT-4585. Collected 1978. Llano Co., Texas. 321m. Collected by K. Sparks. Perennial herb. Seed.

436847. *Cercocarpus montanus* Raf. (Rosaceae).

From United States. Held by Knox City Plant Materials Center,

436847--continued

Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1979.

PMT-4250. Collected August 1977. Pecos Co., Texas. 1394m. Collected by D. Butler. Plants heavily used by deer. Perennial woody. Seed.

436848 TO 436857. Chasmanthium latifolium (Michx.) Yates (Poaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1979.

436848. PMT-3911. Collected November 1975. Smith Co., Texas. Collected by B. Mask. Perennial herb. Seed.

436849. PMT-4469. Collected August 1978. Victoria Co., Texas. 15m. Collected by G. Reagor. Perennial herb. Seed.

436850. PMT-4477. Collected September 1978. Titus Co., Texas. 89m. Collected by M. Johnson. Perennial herb. Seed.

436851. PMT-4482. Collected August 1978. Nacogdoches Co., Texas. 82m. Collected by R. Fuentes. Perennial herb. Seed.

436852. PMT-4494. Collected September 1978. Hardin Co., Texas. 8m. Collected by P. Waller. Perennial herb. Seed.

436853. PMT-4518. Collected August 1978. San Patricio Co., Texas. 12m. Collected by J. Alderson. Perennial herb. Seed.

436854. PMT-4524. Collected September 1978. Harrison Co., Texas. 102m. Collected by P. Leggett. Perennial herb. Seed.

436855. PMT-4583. Collected September 1978. Caldwell Co., Texas. Collected by R. Hilliard. Perennial herb. Seed.

436856. PMT-4584. Collected November 1978. Guadalupe Co., Texas. 152m. Perennial herb. Seed.

436857. PMT-4598. Collected December 1978. Comanche Co., Texas. 439m. Collected by J. McEntire. Perennial herb. Seed.

436858. Chloris X latisquamea Nash (Poaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1979.

436858-continued

PMT-2076. Perennial herb. Seed.

436859. *Cissus incisa* (Nutt.) Des Moul. (Vitaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received August 1978.

PMT-3870. Collected August 1975. Mitchell Co., Texas.
611m. Collected by P. Reily. Perennial woody. Seed.

436860. *Cornus drummondii* C. A. Mey. (Cornaceae) Roughleaf dogwood.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received August 1979.

PMT-4163. Collected September 1977. Palo Pinto Co.,
Texas. 318m. Collected by L. Pace. Perennial woody. Seed.

436861 TO 436862. *Cornus florida* L. (Cornaceae) Flowering dogwood.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received August 1978.

436861. PMT-3839. Collected October 1975. Bowie Co., Texas.
Collected by M. McCrary. Perennial woody. Seed.

436862. PMT-3840. Collected October 1975. Bowie Co., Texas.
Collected by M. McCrary. Perennial woody. Seed.

436863. *Crataegus* sp. (Rosaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.
Received August 1978.

PMT-4055. Collected November 1976. Clay Co., Texas. 303m.
Collected by L. Pace. Perennial woody. Seed.

436864 TO 436865. *Croton capitatus* Michx. (Euphorbiaceae) Wolly croton.

From United States. Held by Knox City Plant Materials Center,

436864 TO 436865--continued

Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

436864. PMT-3883. Collected November 1975. Brazoria Co., Texas. Collected by D. Palmer. Annual. Seed.

436865. PMT-4204. Collected September 1977. Wilson Co., Texas. 152m. Collected by G. Valentine. Annual. Seed.

436866 TO 436873. *Cupressus arizonica* Greene (Cupressaceae) Arizona cypress.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1979.

436866. PMT-4020. Collected April 1975. From F. Schumacher Co. SA-5, 1975. Tree. Seed.

436867. PMT-4021. Collected April 1976. From R. Carter. 7272-1. Tree. Seed.

436868. PMT-4241. Collected October 1977. Terry Co., Texas. 991m. Collected by D. Moss. Tree. Seed.

436869. PMT-4242. Collected October 1977. Terry Co., Texas. 1037m. Collected by T. Hall. Tree. Seed.

436870. PMT-4302. Collected December 1977. Scurry Co., Texas. 725m. Collected by C. Anderson. Tree. Seed.

436871. PMT-4324. Collected September 1977. Foard Co., Texas. 364m. Collected by J.W. Coufal. Tree. Seed.

436872. PMT-4325. Collected September 1977. Wilbarger Co., Texas. 364m. Collected by J. Wilcox. Tree. Seed.

436873. PMT-4422. Collected October 1977. Tom Green Co., Texas. 546m. Collected by C. Wiedenfield. Tree. Seed.

436874. *Cynodon dactylon* (L.) Pers. (Poaceae) Bermudagrass.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1979.

PMT-4041. Collected September 1976. Knox Co., Texas. Collected by D. Palmer. Perennial herb. Stolons.

436875 TO 436876. *Dalea aurea* Nutt. (Fabaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Center, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

436875. PMT-4178. Collected July 1977. Pickaway Co., Oklahoma. 606m. Perennial herb. Seed.

436876. PMT-4467. Collected July 1978. Kingfisher Co., Oklahoma. 308m. Collected by J. Miller. Perennial herb. Seed.

436877 TO 436897. *Desmanthus illinoensis* (Michx.) MacMill. (Fabaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Center, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

436877. PMT-3623. Collected August 1974. Blaine Co., Oklahoma. 470m. Collected by R. Cox. Perennial herb. Seed.

436878. PMT-3624. Collected August 1974. Medina Co., Oklahoma. 318m. Collected by D. Ankle. Perennial herb. Seed.

436879. PMT-3625. Collected August 1974. Lorain Co., Oklahoma. 424m. Collected by D. Ankle. Perennial herb. Seed.

436880. PMT-3701. Collected November 1974. Chambers Co., Texas. 3m. Collected by J. Neaville. Perennial herb. Seed.

436881. PMT-4168. Collected September 1977. Harper Co., Oklahoma. 543m. Collected by D. M. Hungerford. Perennial herb. Seed.

436882. PMT-4180. Collected August 1977. Osage Co., Oklahoma. 266m. Collected P. Boyles. Perennial herb. Seed.

436883. PMT-4197. Collected October 1977. Miami Co., Oklahoma. 366m. Collected by A. Conradi. Perennial herb. Seed.

436884. PMT-4218. Collected October 1977. Craig Co., Oklahoma. 211m. Collected by W. Tissell. Perennial herb. Seed.

436885. PMT-4270. Collected October 1977. Cleveland Co., Oklahoma. 336m. Collected by L. Wright. Perennial herb. Seed.

436886. PMT-4282. Collected September 1977. Blaine Co., Oklahoma. 473m. Collected by L. Fitzpatrick. Perennial herb. Seed.

436887. PMT-4286. Collected August 1977. Kingfisher Co., Oklahoma. 347m. Collected by P. Nelson. Perennial herb.

436877 TO 436897-continued
Seed.

436888. PMT-4291. Collected September 1977. Grant Co., Oklahoma. 333m. Perennial herb. Seed.
436889. PMT-4297. Collected September 1977. Noble Co., Oklahoma. 303m. Collected by B. Harney. Perennial herb. Seed.
436890. PMT-4315. Collected August 1977. Murray Co., Oklahoma. Collected by E. Weisner. Perennial herb. Seed.
436891. PMT-4316. Collected August 1977. Murray Co., Oklahoma. Collected by E. Weisner. Perennial herb. Seed.
436892. PMT-4320. Collected August 1977. Bryan Co., Oklahoma. 185m. Collected by Leo E. Dowling. Perennial herb. Seed.
436893. PMT-4321. Collected August 1977. Bryan Co., Oklahoma. 212m. Collected by C. Allen. Perennial herb. Seed.
436894. PMT-4338. Collected August 1977. McCurtain Co., Oklahoma. 155m. Collected by B. Barter. Perennial herb. Seed.
436895. PMT-4339. Collected August 1977. Latimer Co., Oklahoma. 212m. Collected by F. Adams. Perennial herb. Seed.
436896. PMT-4409. Collected September 1977. Payne Co., Oklahoma. 273m. Collected by E. Snook. Perennial herb. Seed.
436897. PMT-4589. Collected July 1978. Lincoln Co., Oklahoma. 242m. Collected by D. Legg. Perennial herb. Seed.

436898. *Desmanthus virgatus* (L.) Willd. (Fabaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.
Received August 1979.

PMT-2408. Collected October 1969. De Witt Co., Texas. 53m. Collected by G. Darby. Perennial herb. Seed.

436899. *Desmanthus* sp. (Fabaceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.
Received August 1979.

PMT-4027. Collected 1976. Texas. Collected by D. Palmer. Perennial herb. Seed.

436900 TO 436901. *Desmodium* sp. (Fabaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1979.

**436900. PMT-4054. Collected October 1976. Freestone Co., Texas.
152m. Collected by D. Riskind. Perennial herb. Seed.**

**436901. PMT-4067. Collected November 1976. Freestone Co., Texas.
Collected by R. Mauldin. Perennial herb. Seed.**

**436902. *Digitaria californica* (Benth.) Henr. (Poaceae) Arizona
cottontop.**

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

**PMT-3931. Collected September 1975. Jeff Davis Co.,
Texas. 1212m. Collected by D. Mooney. Perennial herb.
Seed.**

436903. *Digitaria ciliaris* (Retz.) Koel. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

**PMT-3899. Collected October 1975. Bell Co., Texas. 227m.
Collected by D. Palmer. Annual. Seed.**

436904 TO 436905. *Diospyros virginiana* L. (Ebenaceae) Common persimmon.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

**436904. PMT-3848. Collected October 1975. Bowie Co., Texas.
Collected by M. McCrary. Tree. Seed.**

**436905. PMT-3849. Collected October 1975. Bowie Co., Texas.
Collected by M. McCrary. Tree. Seed.**

436906. *Echinacea angustifolia* DC. (Asteraceae).

From United States. Held by Knox City Plant Materials Center,

436906-continued

Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

PMT-3866. Collected October 1975. Kent Co., Texas. 636m.
Collected by Reeder. Perennial herb. Seed.

**436907. *Echinochloa crusgalli* var. *crusgalli* (L.) Beauv. (Poaceae)
Barnyardgrass.**

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1979.

PMT-4511. Collected October 1978. Wheeler Co., Texas.
682m. Collected by C. Coffman. Annual. Seed.

**436908 TO 436910. *Elaeagnus angustifolia* L. (Elaeagnaceae) Russian
olive.**

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1978.

436908. PMT-4307. Collected October 1977. Hamilton Co., Texas.
379m. Collected by R. Purdom. Tree. Seed.

436909. PMT-4390. Collected August 1977. Parker Co., Texas. 336m.
Collected by E. Hogan. Tree. Seed.

436910. PMT-4423. Collected October 1977. Tom Green Co., Texas.
546m. Collected by C. Wiedenfield. Tree. Seed.

436911 TO 436943. *Elymus canadensis* L. (Poaceae) Canada wildrye.

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1979.

436911. PMT-3943. Collected December 1975. Pecos Co., Texas.
803m. Collected by A. Miller. Perennial herb. Seed.

436912. PMT-4029. Collected July 1976. Runnels Co., Texas. 515m.
Collected by H. Kahlden. Perennial herb. Seed.

436913. PMT-4170. Collected September 1977. Motley Co., Texas.
739m. Collected by C. Pursley. Perennial herb. Seed.

436911 TO 436943-continued

436914. PMT-4175. Collected July 1977. Garza Co., Texas. 818m. Collected by C. Morris. Perennial herb. Seed.
436915. PMT-4176. Collected September 1977. Grady Co., Oklahoma. 400m. Collected by D. Rowley. Perennial herb. Seed.
436916. PMT-4186. Collected August 1977. Mays Co., Oklahoma. 192m. Collected by R. Blackman. Perennial herb. Seed.
436917. PMT-4195. Collected October 1977. Oklahoma Co., Oklahoma. 366m. Collected by J. Hise and A. Conradi. Perennial herb. Seed.
436918. PMT-4213. Collected October 1977. Dickens Co., Texas. 705m. Collected by G. Thorman. Perennial herb. Seed.
436919. PMT-4226. Collected October 1977. Cleveland Co., Oklahoma. 364m. Collected by L. Wright. Perennial herb. Seed.
436920. PMT-4257. Collected October 1977. Terrell Co., Texas. 655m. Collected by R. Schimcek. Perennial herb. Seed.
436921. PMT-4262. Collected November 1977. Pecos Co., Texas. 970m. Collected by T. Smith. Perennial herb. Seed.
436922. PMT-4274. Collected August 1977. Mitchell Co., Texas. 677m. Collected by V. Mills. Perennial herb. Seed.
436923. PMT-4285. Collected August 1977. Kingfisher Co., Oklahoma. 346m. Collected by P. Nelson. Perennial herb. Seed.
436924. PMT-4290. Garfield Co., Oklahoma. 394m. Collected by D. Donaho. Perennial herb. Seed.
436925. PMT-4296. Collected September 1977. Noble Co., Oklahoma. 303m. Collected by J. Teakell. Perennial herb. Seed.
436926. PMT-4301. Collected August 1977. Scurry Co., Texas. 739m. Collected by C. Anderson. Perennial herb. Seed.
436927. PMT-4309. Collected September 1977. Garvin Co., Oklahoma. 294m. Collected by D. Bell. Perennial herb. Seed.
436928. PMT-4327. Collected August 1977. Taylor Co., Texas. 600m. Collected by R. Wink. Perennial herb. Seed.
436929. PMT-4356. Collected September 1977. Coleman Co., Texas. 424m. Collected by C. Hoff. Perennial herb. Seed.
436930. PMT-4387. Collected September 1977. Menard Co., Texas.

436911 TO 436943-continued

- 652m. Collected by B. Royal. Perennial herb. Seed.
- 436931.** PMT-4392. Collected September 1977. Comal Co., Texas. 311m. Collected by T. Thetford. Perennial herb. Seed.
- 436932.** PMT-4393. Collected November 1977. Travis Co., Texas. 182m. Collected by T. Warner. Perennial herb. Seed.
- 436933.** PMT-4394. Collected July 1977. Bastrop Co., Texas. 115m. Collected by D. Merz. Growing near perennial stream. Perennial herb. Seed.
- 436934.** PMT-4395. Collected August 1977. Williamson Co., Texas. 324m. Collected by B. Reagan. Perennial herb. Seed.
- 436935.** PMT-4415. Collected September 1977. Payne Co., Oklahoma. 273m. Collected by E. Snook. Perennial herb. Seed.
- 436936.** PMT-4420. Collected September 1977. Robertson Co., Texas. 100m. Collected by P. Ritter. Perennial herb. Seed.
- 436937.** PMT-4471. Collected July 1978. Shelby Co., Texas. 91m. Collected by J. Adams. Perennial herb. Seed.
- 436938.** PMT-4497. Collected August 1978. Collingsworth Co., Texas. 652m. Collected by T. Powell. Perennial herb. Seed.
- 436939.** PMT-4513. Collected July 1978. Hansford Co., Texas. 976m. Collected by Proctor. Perennial herb. Seed.
- 436940.** PMT-4514. Lipscomb Co., Texas. 809m. Perennial herb. Seed.
- 436941.** PMT-4515. Ochiltree Co., Texas. 892m. Perennial herb. Seed.
- 436942.** PMT-4527. Collected July 1978. Johnson Co., Texas. 152m. Collected by J. Ballard. Perennial herb. Seed.
- 436943.** PMT-4528. Collected June 1978. Hunt Co., Texas. 164m. Collected by C. Beers. Perennial herb. Seed.

436944 TO 436976. *Elymus virginicus* L. (Poaceae) Virginia wildrye.

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1979.

- 436944.** PMT-4171. Collected September 1977. Motley Co., Texas. 739m. Collected by C. Pursley. Perennial herb. Seed.

436944 TO 436976-continued

436945. PMT-4193. Collected August 1977. Morris Co., Texas. 126m. Collected by H. Catlett. Perennial herb. Seed.
436946. PMT-4196. Collected October 1977. Oklahoma Co., Oklahoma. 366m. Collected by J. Hise. Perennial herb. Seed.
436947. PMT-4243. Collected September 1977. Grayson Co., Texas. 230m. Collected by P. Maynard. Perennial herb. Seed.
436948. PMT-4244. Collected September 1977. Montague Co., Texas. 274m. Collected by Endres and Moore. Perennial herb. Seed.
436949. PMT-4273. Collected September 1977. Mitchell Co., Texas. 673m. Collected by C. Cox. Perennial herb. Seed.
436950. PMT-4298. Collected September 1977. Jack Co., Texas. 303m. Collected by J. Farrell. Perennial herb. Seed.
436951. PMT-4388. Collected September 1977. Coleman Co., Texas. 500m. Collected by C. Hoff. Perennial herb. Seed.
436952. PMT-4396. Collected September 1977. Comal Co., Texas. 288m. Collected by T. Thetford. Perennial herb. Seed.
436953. PMT-4397. Collected November 1977. Travis Co., Texas. 121m. Collected by T. Warner. Perennial herb. Seed.
436954. PMT-4398. Collected September 1977. Caldwell Co., Texas. 142m. Collected by R. Hilliard. Plant found in ungrazed area. Perennial herb. Seed.
436955. PMT-4399. Collected July 1977. Bastrop Co., Texas. 107m. Perennial herb. Seed.
436956. PMT-4400. Collected August 1977. Williamson Co., Texas. 312m. Collected by B. Reagan. Perennial herb. Seed.
436957. PMT-4414. Collected September 1977. Payne Co., Oklahoma. 273m. Collected by J. Sykora. Perennial herb. Seed.
436958. PMT-4419. Collected September 1977. Robertson Co., Texas. 92m. Collected by P. Ritter. Perennial herb. Seed.
436959. PMT-4461. Collected June 1978. Titus Co., Texas. 126m. Collected by J. Stewart. Perennial herb. Seed.
436960. PMT-4462. Collected July 1978. Childress Co., Texas. 528m. Collected by L. Ethetton. Perennial herb. Seed.
436961. PMT-4463. Collected June 1978. Wharton Co., Texas. 29m. Collected by W. Garrett. Perennial herb. Seed.

436944 TO 436976—continued

- 436962.** PMT-4470. Collected July 1978. Shelby Co., Texas. 91m.
Collected by J. Adams. Perennial herb. Seed.
- 436963.** PMT-4473. Collected July 1978. Colorado Co., Texas. 61m.
Collected by A. Fritsch. Perennial herb. Seed.
- 436964.** PMT-4478. Collected September 1978. Cass Co., Texas.
106m. Collected by V. Musgrove. Perennial herb. Seed.
- 436965.** PMT-4479. Collected August 1978. Collin Co., Texas. 167m.
Collected by J. Clark. Perennial herb. Seed.
- 436966.** PMT-4485. Collected September 1978. Dallas Co., Texas.
179m. Collected by V. Helm. Perennial herb. Seed.
- 436967.** PMT-4501. Collected September 1978. Grayson Co., Texas.
212m. Collected by L. McDaniel. Perennial herb. Seed.
- 436968.** PMT-4519. Collected August 1978. San Patricio Co., Texas.
12m. Collected by J. Alderson. Perennial herb. Seed.
- 436969.** PMT-4525. Collected August 1978. Wood Co., Texas. 152m.
Collected by F. Keith. Perennial herb. Seed.
- 436970.** PMT-4526. Collected June 1978. Hunt Co., Texas. 197m.
Collected by C. Beers. Perennial herb. Seed.
- 436971.** PMT-4530. Collected July 1978. Anderson Co., Texas. 149m.
Collected by D. Muckelroy. Perennial herb. Seed.
- 436972.** PMT-4542. Collected September 1978. Collin Co., Texas.
182m. Collected by SCS. Perennial herb. Seed.
- 436973.** PMT-4580. Collected November 1978. Travis Co., Texas.
Collected by T. Warner. Perennial herb. Seed.
- 436974.** PMT-4581. Collected September 1978. Comal Co., Texas.
303m. Collected by G. Rainwater. Perennial herb. Seed.
- 436975.** PMT-4582. Collected November 1978. Williamson Co., Texas.
278m. Collected by B. Reagan. Perennial herb. Seed.
- 436976.** PMT-4592. Collected June 1978. Dickens Co., Texas. 697m.
Collected by D. Keeling. Perennial herb. Seed.

436977 TO 436988. Elymus sp. (Poaceae).

From United States. Held by Knox City Plant Materials Center,
Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.

Received August 1979.

436977 TO 436988--continued

436977. PMT-4179. Collected August 1977. Osage Co., Oklahoma. 266m. Collected by P. Boyles. Perennial herb. Seed.
436978. PMT-4187. Collected September 1977. Stephens Co., Oklahoma. 341m. Collected by W. Runnells. Perennial herb. Seed.
436979. PMT-4219. Collected October 1977. Jackson Co., Oklahoma. 424m. Collected by K. Risenhoover. Perennial herb. Seed.
436980. PMT-4230. Collected November 1977. Washington Co., Oklahoma. 212m. Collected by C. Hunter. Perennial herb. Seed.
436981. PMT-4235. Collected September 1977. Caddo Co., Oklahoma. 421m. Collected by K. Davis. Perennial herb. Seed.
436982. PMT-4319. Collected September 1977. Johnston Co., Oklahoma. 197m. Collected by Mobley. Perennial herb. Seed.
436983. PMT-4322. Haskell Co., Texas. 449m. Collected by H. Koehler. Perennial herb. Seed.
436984. PMT-4480. Collected July 1978. Sterling Co., Texas. 670m. Collected by R. Skinner. Perennial herb. Seed.
436985. PMT-4509. Collected August 1978. Hutchinson Co., Texas. 970m. Collected by L. Poindexter. Perennial herb. Seed.
436986. PMT-4588. Collected July 1978. Lincoln Co., Oklahoma. 242m. Collected by D. Legg. Perennial herb. Seed.
436987. PMT-4603. Collected July 1978. Le Flore Co., Oklahoma. 197m. Collected by K. Taylor. Perennial herb. Seed.
436988. PMT-4604. Collected August 1978. Le Flore Co., Oklahoma. 182m. Collected by K. Ferguson. Perennial herb. Seed.

436989. *Ephedra* sp. (Ephedraceae).

From United States. Held by Knox City Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Knox City, Texas.

Received August 1978.

PMT-3948. Collected June 1975. Brewster Co., Texas. 1121m. Collected by R. Johnson. Perennial woody. Seed.

436990. *Eragrostis trichodes* (Nutt.) Wood (Poaceae) Sand lovegrass.

From United States. Held by Knox City Plant Materials Center,

436890-continued

**Soil Conservation Service, U.S. Department of Agriculture, Knox
City, Texas.**

Received August 1979.

**PMT-338. 'Mason'. Collected November 1958. Mason Co.,
Texas. 470m. Cooperatively released in 1970 by USDA Soil
Conservation Service and Texas Agricultural Experiment
Station. Perennial herb. Cultivated. Cultivar. Seed.**

<i>Acacia albida</i>	433558-433559	433274	
<i>Acacia angustissima</i>	436689-436696	<i>Arundinaria gigantea</i>	436724
<i>Acacia sp.</i>	436697	<i>Arundinaria sp.</i>	436725-436726
<i>Acer grandidentatum</i>	436698-436699	<i>Arundo donax</i>	432420-432432, 436727
<i>Acer sp.</i>	436700-436701	<i>Asimina triloba</i>	432433
<i>Aegilops tauschii</i>	431598-431603	<i>Aster ericoides</i>	436728-436760
<i>Aeluropus littoralis</i>	432396	<i>Aster sp.</i>	436761
<i>Aesculus pavia</i>	436702	<i>Astragalus missouriensis</i>	436762
<i>Agropyron cristatum</i>	432397	<i>Atriplex canescens</i>	432434-432438, 436763-436771
<i>Agropyron scabrum</i>	434870	<i>Atriplex semibaccata</i>	432439-432440
<i>Agropyron smithii</i>	432399-432402	<i>Avena byzantina</i>	436007-436008
<i>Agropyron sp.</i>	436703	<i>Avena fatua</i>	432457-432473, 436009-436024
<i>Agropyron trachycaulum</i>	432403-432404	<i>Avena sativa</i>	436025-436102
<i>Agropyron x pseudorepens</i>	432398	<i>Avena sterilis</i>	432474-432495
<i>Agrostis stolonifera</i>	432405	<i>Avena strigosa</i>	436103-436134
<i>Ailanthus altissima</i>	431586	<i>Avicennia germinans</i>	433935
<i>Ajuga sp.</i>	432406	<i>Baptisia australis</i>	436772-436774
<i>Akebia quinata</i>	432407	<i>Bauhinia congesta</i>	436775
<i>Allium cepa</i>	432713-432717	<i>Belamcanda chinensis</i>	433936
	433309-433346, 433629-433632	<i>Berberis julianae</i>	433937
<i>Allium fistulosum</i>	436539	<i>Berberis trifoliolata</i>	436776
<i>Alnus glutinosa</i>	432408	<i>Berchemia scandens</i>	436777
<i>Alnus rugosa</i>	432409-432410	<i>Borrichia frutescens</i>	433938-433940
<i>Alnus serrulata</i>	432411	<i>Bothriochloa barbinodis</i>	433941, 436778-436794
<i>Alnus sp.</i>	432412	<i>Bothriochloa exaristata</i>	436795
<i>Alocasia heterophylla</i>	433556	<i>Bothriochloa intermedia</i>	433942
<i>Alopecurus arundinaceus</i>	436704	<i>Bothriochloa ischaemum</i>	433943-433944
<i>Amaranthus cruentus</i>	433228	<i>Bothriochloa saccharoides</i>	436796
<i>Amblyolepis setigera</i>	436705	<i>Bouteloua breviseta</i>	436797-436799
<i>Amelanchier alnifolia</i>	432413	<i>Bouteloua curtispindula</i>	433945-433946, 436800-436802
<i>Amelanchier arborea</i>	432414	<i>Bouteloua gracilis</i>	436803-436805
<i>Amorpha canescens</i>	436706	<i>Bouteloua hirsuta</i>	433947
<i>Amorpha fruticosa</i>	432415, 436707-436715	<i>Brachypodium pinatum</i>	433948
<i>Andropogon gerardii</i>	432416, 436716-436717	<i>Brassica balearica</i>	435896
<i>Andropogon glomeratus</i>	436718	<i>Brassica campestris</i>	432364-432376
<i>Andropogon hallii</i>	436719-436722	<i>Brassica cretica</i>	435897
<i>Andropogon sp.</i>	436723	<i>Brassica incana</i>	435898
<i>Anisacanthus wrightii</i>	432417	<i>Brassica insularis</i>	435899
<i>Annona lutescens</i>	433549	<i>Brassica juncea</i>	432377-432390
<i>Annona spinescens</i>	433550	<i>Brassica napus</i>	431570-431574, 432391-432395, 436552-436561
<i>Apium graveolens</i>	436540	<i>Brassica oleracea</i>	431576-431578, 432718-432767, 435900-
<i>Arachis glabrata</i>	433304-433305		
<i>Arachis hypogaea</i>	433347-433356, 433483-433484, 433524-433526, 435062-435063, 436541-436550		
<i>Arctostaphylos uva-ursi</i>	432418		
<i>Aronia arbutifolia</i>	432419		
<i>Artemisia terrae-albae</i>	433273-		

435903,436551,436606,436661-436667		433231	
<i>Brassica pekinensis</i>	432768-432797,436607,436668-436671	<i>Chenopodium quinoa</i>	433232
<i>Brassica rupestris</i>	435904	<i>Chloris X latisquamea</i>	436858
<i>Bromus unioloides</i>	436806	<i>Cicer arietinum</i>	434589
<i>Bumelia lanuginosa</i>	436807-436811	<i>Cichorium endivia</i>	432335
<i>Buxus microphylla</i>	435093	<i>Cichorium intybus</i>	432336
<i>Caesalpinia spinosa</i>	432712	<i>Cissus incisa</i>	436859
<i>Cajanus cajan</i>	431605-431606	<i>Citrullus colocynthis</i>	432337
<i>Calamovilfa gigantea</i>	436812-436813	<i>Citrullus lanatus</i>	431579-431580,435085,435282,435990-435991
<i>Calamovilfa longifolia</i>	433949	<i>Citrus hybrid</i>	433260-433261,433271-433272,433930
<i>Callicarpa americana</i>	433950-433951	<i>Citrus kinokuni</i>	433259
<i>Camphorosma lessingii</i>	433275-433276	<i>Citrus paradisi</i>	433293-433294
<i>Campsis radicans</i>	433952	<i>Citrus reticulata</i>	433264-433268,433931-433932,436688
<i>Capsicum annuum</i>	431604,432798-432847,433215-433216,433357-433360,433542-433548,435344,435945,436644-436647	<i>Citrus sinensis</i>	433269-433270,433295,433933
<i>Capsicum chinense</i>	435916-435918	<i>Coffea arabica</i>	435135-435192,435210-435215
<i>Caragana microphylla</i>	435084	<i>Coreopsis sp.</i>	433973
<i>Carex kobomugi</i>	433953-433955	<i>Cornus drummondii</i>	433974-433975,436860
<i>Carex sp.</i>	433956-433957,436814	<i>Cornus florida</i>	433976,436861-436862
<i>Carya cathayensis</i>	431501,433213-433214,433740,436528	<i>Cornus mas</i>	433977
<i>Carya illinoensis</i>	436815-436818	<i>Cornus officinalis</i>	433978
<i>Carya tomentosa</i>	433958	<i>Cornus stolonifera</i>	433979-433981
<i>Cassia fasciculata</i>	436819	<i>Coronilla varia</i>	433982
<i>Cassia sp.</i>	433490,436820	<i>Corylus americana</i>	433983
<i>Castanea dentata</i>	433959-433962,436821-436822	<i>Corylus sp.</i>	433984
<i>Castanea mollissima</i>	433283,433963-433968	<i>Cotoneaster zabelii</i>	433985
<i>Castanea pumila</i>	436823-436830	<i>Crataegus aestivalis</i>	433986-433987
<i>Castanea sp.</i>	433969-433970,436831	<i>Crataegus sp.</i>	433988-433991,436863
<i>Ceanothus americanus</i>	436832-436833	<i>Crataegus stipulosa</i>	433233
<i>Celtis laevigata</i>	433971	<i>Crotalaria sp.</i>	436527
<i>Celtis sp.</i>	436834-436835	<i>Croton capitatus</i>	436864-436865
<i>Cenchrus ciliaris</i>	433541,434988-434989,436843-436846	<i>Cryptomeria japonica</i>	433992-433993
<i>Ceratoides sp.</i>	433277-433278	<i>Cucumis callosus</i>	435283-435284
<i>Cercis canadensis</i>	436836-436842	<i>Cucumis melo</i>	431581,432338,435086-435087,435285-435290,435345,435941,435992,436529-436534
<i>Cercocarpus montanus</i>	436847	<i>Cucumis sativus</i>	432848-432897,435946-435947,436608-436610,436648-436649,436672-436673
<i>Chasmanthium latifolium</i>	433972,436848-436857	<i>Cucurbita ecuadorensis</i>	432441-432445
<i>Chenopodium album</i>	433378-433379	<i>Cucurbita ficifolia</i>	432446-432449
<i>Chenopodium berlandieri</i>	433229-	<i>Cucurbita foetidissima</i>	435094
		<i>Cucurbita maxima</i>	432450-432452

<i>Cucurbita moschata</i>	431582, 432453-432455	<i>Elymus salinus</i>	434037
<i>Cucurbita pepo</i>	432456	<i>Elymus</i> sp.	435088, 436977- 436988
<i>Cucurbita</i> sp.	435346	<i>Elymus triticoides</i>	434038- 434041
<i>Cunninghamia lanceolata</i>	433288, 433994	<i>Elymus virginicus</i>	436944- 436976
<i>Cupressus arizonica</i>	436866- 436873	<i>Enkianthus campanulatus</i>	434042
<i>Cyamopsis tetragonoloba</i>	433491- 433492	<i>Ephedra</i> sp.	436989
<i>Cynodon dactylon</i>	433995-434004, 436655-436656, 436874	<i>Eragrostis trichodes</i>	436990
<i>Cyperus</i> sp.	434005-434006	<i>Eremochloa ophiuroides</i>	434043
<i>Cytisus scoparius</i>	434007- 434008	<i>Eruca vesicaria</i>	432339
<i>Cytisus</i> sp.	434009	<i>Euonymus bungeana</i>	433284
<i>Dactylis glomerata</i>	434010, 434504-434588, 435996	<i>Euonymus</i> sp.	434044
<i>Dalea aurea</i>	436875-436876	<i>Festuca arundinacea</i>	434045- 434051, 435997-435998
<i>Daucus carota</i>	432898-432906, 436674	<i>Festuca</i> sp.	435999
<i>Deschampsia caespitosa</i>	433720- 433728	<i>Forestiera acuminata</i>	434052
<i>Desmanthus illinoensis</i>	434011, 436877-436897	<i>Fortunella crassifolia</i>	433934
<i>Desmanthus</i> sp.	436899	<i>Fragaria X ananassa</i>	433898
<i>Desmanthus virgatus</i>	436898	<i>Genista tinctoria</i>	434053
<i>Desmodium perplexum</i>	434012	<i>Glyceria striata</i>	434054
<i>Desmodium</i> sp.	436900-436901	<i>Glycine clandestina</i>	433361
<i>Desmodium tortuosum</i>	433551	<i>Glycine max</i>	432349, 432359- 432360, 433234, 434973-434983, 436562-436569, 436611-436620, 436681-436685
<i>Digitaria californica</i>	436902	<i>Glycine soja</i>	434055
<i>Digitaria ciliaris</i>	436903	<i>Glycine</i> sp.	433362-433375
<i>Digitaria</i> sp.	434990-434991	<i>Glycine tabacina</i>	433376
<i>Diospyros kaki</i>	431593-431597	<i>Glyptostrobilus lineatus</i>	433289
<i>Diospyros virginiana</i>	436904- 436905	<i>Gossypium barbadense</i>	433738, 435239-435281
<i>Distichlis spicata</i>	434013- 434019	<i>Gossypium hirsutum</i>	433302- 433303, 433637-433638, 433731- 433737
<i>Distichlis stricta</i>	434020- 434026	<i>Gossypium</i> sp.	433636
<i>Dolichos lablab</i>	433628	<i>Halimodendron halodendron</i>	434056
<i>Echinacea angustifolia</i>	436906	<i>Haloxylon ammodendron</i>	433279- 433280
<i>Echinochloa crusgalli</i>	434027- 434028, 436907	<i>Haloxylon salicornicum</i>	433635
<i>Elaeagnus angustifolia</i>	434029, 436908-436910	<i>Hedera helix</i>	434057
<i>Elaeagnus multiflora</i>	434030- 434032	<i>Hedysarum</i> sp.	435089
<i>Elaeagnus umbellata</i>	434033- 434036	<i>Helianthus agrestis</i>	435350
<i>Elaeocarpus apiculatus</i>	435348	<i>Helianthus angustifolius</i>	435351-435355
<i>Eleusine coracana</i>	433380, 435943	<i>Helianthus annuus</i>	431502- 431569, 432504-432524, 433377, 433862, 434058-434060, 435356- 435620
<i>Eleutherococcus senticosus</i>	433296-433301, 435216-435217	<i>Helianthus anomalus</i>	435621
<i>Elymus canadensis</i>	436811- 436943	<i>Helianthus argophyllus</i>	435622- 435635
		<i>Helianthus arizonensis</i>	435636
		<i>Helianthus atrorubens</i>	435637- 435638

<i>Helianthus bolanderi</i>	435639-435644	435871-435875	
<i>Helianthus californicus</i>	435645	<i>Helianthus schweinitzii</i>	435876
<i>Helianthus carnosus</i>	435646	<i>Helianthus silphioides</i>	435877
<i>Helianthus ciliaris</i>	435647-435649	<i>Helianthus simulans</i>	435878-435880
<i>Helianthus debilis</i>	435650-435673	<i>Helianthus smithii</i>	435881
<i>Helianthus deserticola</i>	435674	<i>Helianthus sp.</i>	435882-435883
<i>Helianthus divaricatus</i>	435675-435676	<i>Helianthus strumosus</i>	435884-435888
<i>Helianthus eggertii</i>	435677	<i>Helianthus tuberosus</i>	434068-434069, 435889-435895
<i>Helianthus floridanus</i>	435678	<i>Helianthus X laetiflorus</i>	435708-435712
<i>Helianthus giganteus</i>	435679-435680	<i>Helianthus X multiflorus</i>	435760
<i>Helianthus glaucophyllus</i>	435681	<i>Hibiscus sp.</i>	434070
<i>Helianthus gracilentus</i>	435682-435685	<i>Holcus lanatus</i>	434071
<i>Helianthus grosse-serratus</i>	435686-435689	<i>Hordeum vulgare</i>	432497-432500, 433771-433772, 434072-434074, 434731-434854, 434871, 435061, 435090, 435318, 436135-436164
<i>Helianthus heterophyllus</i>	435700-435701	<i>Impatiens sp.</i>	435905-435909
<i>Helianthus hirsutus</i>	435702-435705	<i>Imperata cylindrica</i>	434075-434077
<i>Helianthus imbaburensis</i>	435706	<i>Juglans nigra</i>	434078
<i>Helianthus laciniatus</i>	435707	<i>Juncus sp.</i>	434079-434080
<i>Helianthus longifolius</i>	435713	<i>Juniperus ashei</i>	434082
<i>Helianthus maximiliani</i>	434061-434063, 435714-435740	<i>Juniperus chinensis</i>	434081
<i>Helianthus microcephalus</i>	435741-435743	<i>Juniperus horizontalis</i>	434083
<i>Helianthus mollis</i>	434064-434066, 435744-435759	<i>Juniperus squamata</i>	434084
<i>Helianthus neglectus</i>	435761-435769	<i>Juniperus virginiana</i>	434085-434087
<i>Helianthus niveus</i>	435770-435778	<i>Lagenaria siceraria</i>	432340-432342, 435291
<i>Helianthus nuttallii</i>	435779-435784	<i>Lathyrus ochrus</i>	432343
<i>Helianthus occidentalis</i>	435785-435789	<i>Lathyrus sp.</i>	434089
<i>Helianthus paradoxus</i>	435790-435794	<i>Lathyrus sylvestris</i>	434088
<i>Helianthus petiolaris</i>	435795-435846	<i>Lens culinaris</i>	431607-432290, 433924-433925, 435954-435962
<i>Helianthus praecox</i>	435847-435857	<i>Lespedeza bicolor</i>	434080-434092
<i>Helianthus pumilus</i>	435858-435860	<i>Lespedeza capitata</i>	434093
<i>Helianthus radula</i>	435861-435862	<i>Lespedeza cuneata</i>	434094-434095
<i>Helianthus resinosus</i>	435863-435864	<i>Lespedeza daurica</i>	434096
<i>Helianthus rigidus</i>	435865-435870	<i>Lespedeza sp.</i>	434099
<i>Helianthus salicifolius</i>	434067, 435871-435875	<i>Lespedeza thunbergii</i>	434098
		<i>Leucaena esculenta</i>	435925-435926
		<i>Leucaena lanceolata</i>	435927-435929
		<i>Leucaena leucocephala</i>	432543, 433225-433227, 433257-433258, 433552, 435910-435915, 435930-435933, 435938, 435978-435984, 436686-436687
		<i>Leucaena retusa</i>	435919-435924,

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Leucaena sp.	435935-435936,		
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Leucaena stenocarpa	435937		
Liriodendron chinense	433741		
Lonicera japonica	434100		
Lonicera maackii	434101		
Lonicera sp.	434102-434104		
Lotus corniculatus	433923,		
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Lupinus albus	434855-434856		
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Lycopersicon esculentum	431583-		
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Opuntia sp.	435064-435069		
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Oryza sativa	431464-431499,		
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Panicum amarum	434163		
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Panicum antidotale	434168		
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Panicum maximum	435993		
Panicum miliaceum	433381,		
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Panicum obtusum	434176-434178		
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Panicum sp.	434187		
Panicum virgatum	431575,434181-		
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Papaver bracteatum	432544-		
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Paspalum hybrid	435994		
Paspalum notatum	434189-434192		
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Paspalum thunbergii	435995		
Paspalum vaginatum	434183-		
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Pennisetum flaccidum	434640		
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Pennisetum sp.	436657-436658		
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Phaseolus lunatus	433928		
Phaseolus polystachios	433633		
Phaseolus sp.	433634		
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Phleum sp.	436001		
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Picea asperata	433743		
Pinus armandii	431587		
Pinus densata	433744		
Pinus eldarica	432346		
Pinus hwangshanensis	433745		
Pinus langbianensis	433285		
Pinus massoniana	431588,433280-		
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<i>Pinus sylvestris</i>	433746	<i>Rudbeckia</i> sp.	434278-434281
<i>Pinus tabuliformis</i>	431589	<i>Saccharum officinarum</i>	435199-435209
<i>Pinus thunbergii</i>	434227	<i>Salicornia</i> sp.	434282-434283
<i>Pinus yunnanensis</i>	433286	<i>Salix caprea</i>	434284
<i>Piscidia piscipula</i>	433553	<i>Salix hastata</i>	434286
<i>Pistacia chinensis</i>	434228	<i>Salix interior</i>	434287-434288
<i>Pisum sativum</i>	433560	<i>Salix nigra</i>	434300-434304
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