Plant Inventory No. 147

UNITED STATES DEPARTMENT OF AGRICULTURE Washington, D. C., January 1951



PLANT MATERIAL INTRODUCED BY THE DIVISION OF PLANT EX-PLORATION AND INTRODUCTION, BUREAU OF PLANT INDUSTRY, APRIL 1 TO JUNE 30, 1941 (Nos. 141199 to 142029)

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This inventory, No. 147, lists the plant material (Nos. 141199 to 142029) received by the Division of Plant Exploration and Introduction during the period from April 1 to June 30, 1941. It is a historical record of plant material introduced for Department and other specialists, and is not to be considered as a list of plant material for distribution.

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Botanist.

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¹ Now Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, United States Department of Agriculture.



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INVENTORY

141199. Poa flabellata (Lam). Raspail. Poaceae. Tussock grass.

From the Falkland Islands. Seed purchased from the Department of Agriculture, Stanley. Received April 17, 1941.

For previous introduction see 139282.

141200 to 141226.

From England. Trees and plants purchased from T. Hilling & Co., Chebham, Woking, Surrey. Received April 4, 1941.

141200 and 141201. Amygdalus davidiana (Carr). Zabel. davidiana (Prunus Franch.) Amygdalaceae. davidiana (Prunus Chinese wild peach.

141200. A variety with single pink flowers.

141201. Alba.

141202. Amygdalus persica L.

Peach.

Alba Flore Pleno.

141203. AMYGDALUS.

Cambridge Carmine.

141204 to 141208. Amygdalus persica L.

141204. Foliis Purpureis.

141207. Pendula Rosea.141208. Rosea Flore Pleno.

141205. Magnifica.

141206. Pendula Alba.

Malaceae.

Apple.

141209. Cheal's Crimson.

141211. John Downie.

141210. Golden Gem.

141212. Laxton's Peerless.

141213. MALUS MAGDEBURGENSIS Zimmerm.

141209 to 141212. MALUS SYLVESTRIS Mill.

A small tree with ovate leaves, pubescent beneath, semidouble pinkish flowers, and yellow fruits 1 inch in diameter.

For previous introduction see 136019.

141214. MALUS TSCHONOSKYI (Maxim.) Schneid.

141215. MALUS BACCATA (L.) Moench.

Yellow Siberian.

141216 and 141217. Prunus armeniaca L.

Apricot.

141216. Hemskirk.

141217. Moorpark.

141218 to 141220. Prunus spinosa L.

Sloe blackthorn.

141218. Tricolor.

141219. Purpurea.

141220. Seedlings.

141200 to 141226—Continued

141221 to 141226. Pyrus communis L. Malaceae. Pear.

141221. Bergamotte d'Espéren.

141224. Jargonelle.

141222. Conference.

141225. Marie Louise.

141223. Dr. Jules Guyot.

141226. Philippe Chauveau.

141227 to 141229. SACCHARUM. Poaceae.

Sugarcane.

Cuttings presented by the Director of Agri-From Barbados, British West Indies. culture. Received April 8, 1941.

141227. B 391.

141228. B 35187.

141229. B 35245.

141230. Xylosma senticosa Hance (Myroxylon senticosum (Hance) Warb.). Flacourtiaceae.

From California. Plant growing at the Plant Introduction Garden, Chico. Numbered May 12, 1941.

A thornless, staminate, selected seedling of P. I. 63629, which was collected by F. A. McClure near Chuklin, Kwantung, China, in January 1925.

141231 to 141233. Trifolium pratense L. Fabaceae. Red clover.

From Canada. Seeds purchased from Prof. J. W. Bird, McDonald College, Quebec. Received April 7, 1941.

141231. Dollard Co.

141232. Chambly Co.

141233. Soulanges Co.

141234 to 141259.

Trees purchased from the Barnham Nurseries, Barnham, Sussex. From England. Received April 14, 1941.

141234 to 141248. MALUS SYLVESTRIS Mill. Malaceae. Apple.

141234. Betty Geeson.

141235. Chorister Bou.

141236. Col. Vauahan.

141237. Herring's Pippin.

141238. Hollandbury.

141239. Lord Lennox.

141240. Mannington Pearmain.

141248. Winter Peach.

141246. Striped Beaufin.

141242. Nanny.

141243. Rougemont.

141244. St. Edmund Russet.

141245. Sir John Thornycroft.

141247. Washington Nonpareil.

141241. Middle Green.

141249 and 141250. MALUS. Malaceae. Crabapple.

141249. Cheal's Crimson.

141250. John Downie.

141251 to 141254. Prunus spp. Amygdalaceae.

141251. Black Heart cherry.

141253. Early Transparent plum.

141252. Comte d'Althan's Gage plum.

141254. July Greengage plum.

141255 to 141259. Pyrus communis L. Malaceae. Pear.

141255. Jargonelle. 141258. Petite Marguerite.

141259. St. Luke.

141256. Madame Trèuve.

141257. Marie Louise.

141260. Arachis hypogaea L. Fabaceae.

Peanut.

From Puerto Rico. Seed presented by W. K. Bailey, Agricultural Experiment Station, Mayaguez. Received April 14, 1941.

Mani. A small-fruited variety.

141261 to 141355.

From Guatemala. Seeds presented by Dr. F. W. McBryde, New Orleans, La. Received April 18, 1941.

141261. Cajanus cajan (L.) Druce. Fabaceae.

Pigeonpea.

No. 48.

141262. Canavalia ensiformis (L.) DC. Fabaceae.

Jackbean.

No. 41.

141263 to 141268. CITRULLUS VULGARIS Schrad. Cucurbitaceae.

Watermelon.

141263. No. 4.

141266. No. 17-A.

141264. No. 62.

141267. No. 61.

141265. No. 17.

141268. No. 62–B.

141269 to 141272. Cucumis melo L. Cucurbitaceae.

Muskmelon.

141269. No. 17-B. **141270.** No. 17-C.

141271. No. 61-A. 141272. No. 62-A.

141273. Lycopersicon esculentum Mill. Solanaceae.

Tomato.

No. 61.

141274. Phaseolus calcaratus Roxb. Fabaceae.

Rice bean.

No. 9.

141275 to 141289. Phaseolus vulgaris L.

Common bean.

141275. No. 1. Black kidney bean.

141276. No. 2. Long, tan bean.

141277. No. 4. White kidney pole bean.

141278. No. 4-A. Small, black bush bean.

141279. No. 4-B. Small, black kidney pole bean.

141280. No. 5. Brown bush kidney bean.

141281. No. 5-A. Black.

141282. No. 6. Brown kidney bean.

141283. No. 7. Small, black kidney bean.

141284. No. 8. Red kidney bean.

141285. No. 8-A. Santos. Red kidney bean.

141286. No. 9. Santos. Red kidney bean.

141287. No. 10. Black kidney bush bean.

141288. No. 11. Small, black kidney bean.

141289. No. 11-A. Large, black kidney bean.

141290. Phaseolus lunatus L.

Lima bean.

No. 11-b. Large, yellow bean.

141291 to 141320. Phaseolus vulgaris L.

Common bean.

141291. No. 12 Black bush bean.

141292. No. 13. Large kidney bean.

141293. No. 15. Large kidney bean.

141294. No. 15-A. Black kidney pole bean.

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141261 to 141355—Continued
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141295. No. 17. Red kidney bush bean.

141296. No. 17-a. Black kidney pole bean.

141297. No. 17-b. Red kidney bean.

141298. No. 19. Large, variegated kidney bean.

141299. No. 20. Brown bush bean.

141300. No. 21. Black kidney pole bean.

141301. No. 21-a. Red kidney pole bean.

141302. No. 22. Black kidney bean.

141303. No. 22-a. White kidney bean.

141304. No. 23. Black kidney pole bean.

141305. No. 26. White kidney bean.

141306. No. 26-a. Black pole bean.

141307. No. 27. Large, red kidney bean.

141308. No. 27-a. White and yellow kidney beans.

141309. No. 29. Variegated.

141310. No. 29-a. Black.

141311. No. 29-b. White.

141312. No. 29-c. Brown.

141313. No. 29-d. Black pole beans.

141314. No. 30. Black kidney bean.

141315. No. 30-a. White bean.

141316. No. 30-b. Black kidney bush bean.

141317. No. 32. Large, black kidney beans.

141318. No. 32-a. Large, brown "perennial" bean.

141319. No. 32-b. Black kidney bush bean.

141320. No. 33. Black kidney pole bean.

141321. Phaseolus lunatus L.

No. 33-a. Large brown beans.

141322 to 141325. Phaseolus Vulgaris L.

141322. No. 33-b. Large black bean.

141323. No. 33-c. Large yellow bean.

141324. No. 35. Small, red pole bean.

141325. No. 37. Black pole bean.

141326. Phaseolus lunatus L.

No. 37-a. Large, red kidney bean.

141327 to 141342. Phaseolus vulgaris L.

141327. No. 37-b. Black bush bean.

141328. No. 37-c. White pole bean.

141329. No. 38. Black bean.

141330. No. 38-a. White bean.

141331. No. 38-b. Large, red kidney bean.

141332. No. 39. Black bean.

141333. No. 39-b. Long, red kidney bean.

141334. No. 39-c. White bean.

Lima bean.

Common bean.

Lima bean.

Common bean.

141261 to 141355—Continued

141335. No. 40. Black pole bean.

141336. No. 41. Small, red kidney bean.

141337. No. 45. Black kidney bean.

141338. No. 45-a. White lima bean.

141339. No. 48. Large kidney bean, variegated colors.

141340. No. 49. Black kidney bean.

141341. No. 49-a. Long, red kidney bean.

141342. No. 49-b. Small, red kidney bean.

141343. Phaseolus lunatus L.

Lima bean.

No. 55. Small, red bean.

141344 to 141347. Phaseolus vulgaris L.

Common bean.

141344. No. 56. Long, red kidney bean.

141345. No. 56-a. Black kidney bean.

141346. No. 56-b. Light red kidney bean.

141347. No. 57. Black kidney bean.

Lima bean.

141348. Phaseolus lunatus L. No. 61. Small, pink bean.

141349. Phaseolus vulgaris L.

Common bean.

No. 62. Black bush bean.

141350 to 141353. PISUM SATIVUM L. Fabaceae.

Pea.

141350. No. 29.

141351. No. 33. White pea.

141352. No. 39-A.

141353. No. 56.

141354. GLYCINE MAX (L.) Merrill. Fabaceae.

Soybean.

No. 9.

141355. Vigna sinensis (Torner) Savi. Fabaceae.

Cowpea.

No. 62.

141356 and 141357.

From California. Seedlings and plants presented by Dr. T. H. Goodspeed, University of California, Berkeley. Received April 21, 1941.

141356. LAPAGERIA ROSEA Ruiz and Pav. Liliaceae.

Copihue.

An evergreen climber of slow growth, with slender wiry stems, alternate, narrowly ovate leaves, and bright-crimson, pendent, tubular flowers about 3 inches long in the axils of the upper leaves or in terminal racemose clusters. The *copihue* is the national flower of Chile.

For previous introduction see 129336.

141357. Lapageria rosea var. albiflora Hook.

Received as "variety alba."

141358 and 141359. Triticum Aestivum L. Poaceae. Common wheat.

From Argentina. Seed presented by Eduardo Sackman Saia, Director of Agriculture, Buenos Aires. Received April 24, 1941.

141358. Klein Triunfo.

141359. Litoral.

141360 to 141368.

From England. Trees purchased from Thompson and Morgan, Ispwich. Received April 25, 1941.

141360. AMYGDALUS PERSICA L. Amygdalaceae.

Peach.

Russell's Red.

141361 to 141363. MALUS SYLVESTRIS Mill. Malaceae.

Apple.

141361. Fearn's Pippin.

141362. James Kirk.

141363. Juneating.

141364. Prunus sp. Amygdalaceae.

Plum.

Prince of Wales.

141365. Prunus cerasifera var. atropurpurea Jaeger.

Hazeldene. Received as Prunus pissardii, now referred to the above.

141366 and 141367. Pyrus communis L. Malaceae.

Common pear.

141366. Jean Van Geert.

141367. Winter Orange.

141368. Malus prunifolia (Willd.) Borkh. Malaceae.

Pearleaf crab.

For previous introductions see 136653.

141369. CENTELLA ASIATICA (L.) Urban. Apiaceae.

From Java. Seeds presented by the Director, Botanic Garden, Buitenzorg. Received April 24, 1941.

141370 to 141546.

Golden Gem.

From Iran. Seeds presented by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received April 9, 1941.

141370. AEGILOPS AUCHERI Boiss. Poaceae.

Grass.

No. 6044. From Gaomir, Bakhtiari, May 16, 1940. An annual steppe grass about 3 feet high.

141371. AEGILOPS CRASSA Boiss.

No. 6121. From Durud, Luristan, June 7, 1940. A rare annual pasture grass about 1 foot high.

141372. AEGILOPS HELDREICHII (Boiss.) Nyman.

No. 6026. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass about 2½ feet high.

141373. AEGILOPS OVATA L.

No. 6017. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass, about 1 foot high.

141374. Aeluropus littoralis (Gouan) Parl. Poaceae.

Grass.

No. 6805. From Gunabad, Khorassan, August 26, 1940. A creeping grass about 15 inches high; grows near alkaline pools or on the desert.

141375. AGROPYRON INTERMEDIUM (Host) Beauv. (A. glaucum R. and S.) Poaceae. Grass.

No. 6681. From Bardu Forest, Khorassan, August 19, 1940. A pasture perennial growing in clumps 4 feet high on dry slopes.

141376. AGROPYRON Sp.

No. 6363. From Khairat, Mazenderan, July 26, 1940. A common pasture grass growing in the forest or dense shade to about 3 feet high.

141377. AGROPYRON Sp.

No. 6484. From Kataliyekchinar, Khorassan, August 6, 1940. A steppe annual about 2½ feet high.

141378. Avena sp. Poaceae.

Grass.

No. 6011. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass about 18 inches high.

141379. AVENA sp.

No. 6489. From Kataliyekchinar, Khorassan, August 6, 1940. Steppe seeds from the crop of a partridge.

141380. Brachypodium sp. Poaceae.

Grass.

No. 6027. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass about 18 inches high.

141381. Bromus Brizaeformis Fisch. and Mey. Poaceae. Quaking bromegrass.

No. 6486. From Kataliyekchinar, Khorassan, August 6, 1940. An annual steppe grass 18 inches high, used for ornamental and fodder purposes.

141382 and 141383. Bromus danthoniae Trin.

Grass.

141382. No. 6014. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass 15 inches high.

141383. No. 6028. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass about 2 feet high.

141384. Bromus sterilis L.

No. 6012. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass about 2 feet high.

141385. Bromus sp.

No. 6018. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass about 15 inches high.

141386 and 141387. Ammi copticum (L.) Benth. & Hook. Apiaceae.

141386. No. 6972. Badiun. From Turbati Haidari, Khorassan, September 11, 1940. A cultivated medicinal plant.

141387. No. 6994. Khardana. From Turbati Haidari, Khorassan, September 12, 1940. A cultivated medicinal plant.

141388. CICER sp. Fabaceae.

No. 6321. From Shahkuh, Mazenderan, July 17, 1940. A pasture plant growing on bare slopes.

141389. CORONILLA SCORPIOIDES (L.) Koch. Fabaceae.

No. 6095. From Kalvar, Luristan, May 28, 1940. A rare, prostrate plant growing in open dry places.

141390. CORONILLA VARIA L.

No. 6444. From Bujmerd, Khorassan, August 2, 1940. A semidecumbent legume, with umbrella heads of attractive pink and white flowers; used for ornamental and pasture purposes.

141391 to 141394. Cucurbita Pepo L. Cucurbitaceae.

Pumpkin.

141391. No. 6795. Kaduenaranji. From Meshed, Khorassan, August 24, 1940. Fruit globose, 2½ inches in diameter, orange, smooth; ornamental.

141392. No. 6967. Kaduetamasha. From Turbati Haidari, Khorassan, September 11, 1940. Fruit obovoid, 2½ inches in diameter, orange; ornamental.

141393. No. 7019. Kaduetamasha. From Turbati Haidari, Khorassan, September 12, 1940. Fruit ovoid, 2½ inches long, yellow; ornamental.

141394. No. 7028. From Turbati Haidari, Khorassan, September 13, 1940. Fruit round, 3½ inches in diameter, yellow, half-covered with large irregular warts about ¼ inch high; ornamental.

141395. Cuminum cyminum L. Apiaceae.

Cumin

No. 7065. Karawirja. From Turbati Haidari, Khorassan, September 13, 1940. Used as medicine.

141396. Cynosurus cristatus L. Poaceae.

Crested dogtail.

No. 6007. From Cheshmashirin, Bakhtiari, May 13, 1940. A steppe grass 18 inches high.

For previous introduction see 111283.

141397. Dactylis glomerata L. Poaceae.

Orchard grass.

No. 6464. From Kataliyekchinar, Khorassan, August 4, 1940. A steppe perennial grass growing in clumps to about 3 feet high.

141398 and 141399. Dolichos Lablab L. Fabaceae.

Hyacinth-bean.

141398. No. 6167. Labiaigul. From Tehran, June 16, 1940. An ornamental.

141399. No. 7039. From Turbati Haidari, Khorassan, September 13, 1940. A rare food crop.

141400 to 141402. Dracocephalum moldavica L. Menthaceae.

141400. No. 6437. Rehan. From Bujmerd, Khorassan, August 3, 1940. Used as flavor for salads.

141401. No. 6790. Badranjobe. From Turbati Shaikh Jam, Khorassan, August 23, 1940. A salad plant.

141402. No. 7001. Badranjua. From Turbati Haidari, Khorassan, September 12, 1940. Grown for medicine.

141403. ECHINARIA CAPITATA (L.) Desf. Poaceae.

Grass.

No. 5990. From Belu, Bakhtiari, May 7, 1940. A rather rare steppe grass of pasture value.

141404 and 141405. Elymus caput-medusae L. Poaceae.

Grass.

141404. No. 6019. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass about 15 inches high.

141405. No. 6485. From Kataliyekchinar, Khorassan, August 6, 1940. An annual steppe grass about 1 foot high.

141406 and 141407. ELYMUS FRAGILIS (Boiss.) Griseb.

Grass.

141406. No. 6151. From Tehran, June 14, 1940. A perennial growing in clumps 2½ feet high.

141407. No. 6353. From Dimalu, Mazenderan, July 23, 1940. A pasture grass growing in clumps on dry slopes.

141408. Festuca elation L. Poaceae.

Fescue.

No. 6337. From Karimserai, Mazenderan, July 20, 1940. A thrifty, wild grass, about $3\frac{1}{2}$ feet high, used as good fodder.

141409. HERACLEUM sp. Apiaceae.

No. 6097. From Kalvar, Luristan, May 29, 1940. A low plant, about 1 foot high, growing in dry places.

141410. HETERANTHELIUM PILIFERUM (Russ.) Jaub. & Spach. Poaceae.

No. 6016. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass about 1 foot high.

141411. Hordeum bulbosum L. Poaceae.

Grass.

No. 6147. From Tehran, June 14, 1940. A perennial up to 4 feet high.

141412. Hordeum murinum L.

No. 6410. From Gumbatigabus, July 30, 1940. A secondary grass of the steppe that forms a thick growth up to about 2 feet high.

141413. Hordeum bulbosum L.

No. 6416. From Marave, Khorassan, July 31, 1940. A locally common perennial grass about 4 feet high.

141414. Hordeum murinum L.

No. 6009. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass about 18 inches high.

141415. HORDEUM GUSSONEANUM Parl.

No. 6010. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass about 12 or 15 inches high.

141416. HORDEUM DISTICHON L.

No. 5845. Jao. From Kazerun, Fars, April 11, 1940.

141417. Hordeum vulgare L.

Barley.

No. 5876. Jaoesurkh. From Bushire, Fars, April 15, 1940. Heads about 2½ inches long.

141418. Hordeum distiction L.

No. 5905. Jaoisiya. From Ahwaz, Khuzistan, April 19, 1940. Two-rowed heads, 2 to 3 inches long; grown without irrigation.

141419. Hordeum vulgare L.

No. 5906. From Ahwaz, Khuzistan, April 19, 1940. A multiple-rowed barley, with heads up to 3½ inches long; grown without irrigation.

141420. HORDEUM VULGARE L.

No. 5944. Jao. From Ahwaz, Khuzistan, April 22, 1940.

141421. HORDEUM SPONTANEUM C. Koch.

No. 6000. From Cheshmashirin, Bakhtiari, May 12, 1940. A wild grass, growing up to $3\frac{1}{2}$ feet on the steppe.

141422. Hordeum distichon L.

No. 6057. Jau. From Dizful, Khuzistan, May 21, 1940. A black barley.

141423. Hordeum distiction L.

No. 6067. Jao. From Durud, Luristan, May 20, 1940. Fall-sown, unirrigated. 141424. Hordeum vulgare L.

No. 6406. Jao. From Gumbatigabus, July 30, 1940. Spring-sown, unirrigated.

141425. HORDEUM SPONTANEUM L.

No. 6183. From Tehran, July 17, 1940. A desert plant growing up to 18 inches high.

141426 to 141428. HORDEUM VULGARE L.

141426. No. 6333. Joi-payiz. From Shahkuh, Mazenderan, July 19, 1940. Fallsown, 2 feet high.

141427. No. 6334. Joi-bahari. From Shahkuk, Mazenderan, July 19, 1940. Spring-sown.

141428. No. 6366. Jao. From Gurgan, Mazenderan, July 27, 1940. Spring-sown and irrigated.

141429. Hordeum distiction L.

No. 6420. From Garamale, Khorassan, August 1, 1940. Spring-sown and grown without irrigation.

141430. HORDEUM VULGARE L.

No. 6344. Jaoebahari. From Karimserai, Mazenderan, July 21, 1940. Springgrown and irrigated.

141431. HORDEUM VULGARE L.

No. 6405. From Gumbatigabus, July 30, 1940. Spring-sown, unirrigated, and of superior quality.

141432. Hordeum distiction L.

No. 6667. Jaceturush. From Abdullabad, Khorassan, August 14, 1940. Fallsown and irrigated.

141433. HORDEUM VULGARE L.

No. 6668. Jacebahari. From Abdullabad, Khorassan, August 14, 1940. Two-rowed heads; spring-sown and irrigated.

141434. HORDEUM DISTICHON L.

No. 6669. Jaodaima. From Abdullabad, Khorassan, August 14, 1940. Fall-sown and unirrigated.

141435 to 141445. Hordeum vulgare L.

- 141435. No. 6829. Jaoiabi. From Firdus, Khorassan, August 28, 1940. Fallsown, irrigated.
- 141436. No. 6830. Jaoedahimi. From Firdus, Khorassan, August 28, 1940. Fall-sown, unirrigated.
- 141437. No. 6863. Jau. From Khaur, Khorassan, September 5, 1940. Springsown and irrigated.
- 141438. No. 7004. Jaceturush. From Turbati Haidari, Khorassan, September 12, 1940. Fall-sown, irrigated; fed to animals only.
- 141439. No. 7005. Jaoesiya. From Turbati Haidari, Khorassan, September 12, 1940. Fall-sown, irrigated; stock feed.
- 141440. No. 7006. Jaoezard. From Turbati Haidari, Khorassan, September 12, 1940. Fall-sown, irrigated; used for flour.
- 141441. No. 7190. Jaoebahari Dehimi. From Sabzawar, Khorassan, September 24, 1940. Spring-sown; irrigated.
- 141442. No. 7193. *Jaozina abi*. From Sabzawar, Khorassan, September 24, 1940. Fall-sown; irrigated.
- 141443. No. 7200. Jao. From Sabzawar, Khorassan, September 24, 1940. Mill sample.
- 141444. No. 7238. Jao Kuhsar. From Shahrud, Khorassan, September 27, 1940. Fall-sown and irrigated.
- 141445. No. 7240. *Jaobahari*. From Shahrud, Khorassan, September 27, 1940. Spring-sown; irrigated.

141446. LINUM Sp. Linaceae.

No. 5932. From Ahwaz, Khuzistan, April 21, 1940. A variety with attractive crimson flowers, blooming at the end of the cold season.

141447. LINUM 8D.

No. 6023. From Cheshmashirin, Bakhtiari, May 13, 1940. A common steppe plant 18 inches high, much-branched, with frail stalks and purple-blue flowers.

141448. LATHYRUS sp. Fabaceae.

No. 5988. From Tale, Bakhtiari, May 7, 1940. A rare, low plant 6 inches high, growing on a dry, rainless slope.

141449. LATHYRUS Sp.

No. 5933. From Ahwaz, Khuzistan, April 21, 1940. A plant 2 to 3 feet high, bearing an abundance of rose-purple flowers, the standard usually of a different shade from the rest.

141450. LATHYRUS Sp.

No. 6122. From Durud, Luristan, June 7, 1940. A low plant, common as an escape; also cultivated for fodder.

141451. LOLIUM MULTIFLORUM Lam. Poaceae.

Italian ryegrass.

No. 6020. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass about 3 feet high, growing in large pure stands on level ground.

141452. Lotus sp. Fabaceae.

No. 6033. From Cheshmashirin, Bakhtiari, May 14, 1940. An erect annual steppe plant about 1 foot high, with yellow flowers; growing in barren places.

141453. LOTUS Sp.

No. 5857. From Bushire, Fars, April 14, 1940. A prostrate plant that grows with winter rains and dries up through the summer.

141454. MEDICAGO LUPULINA L. Fabaceae.

Black medic.

No. 6100. From Ti, Luristan, June 2, 1940. A decumbent yellow-flowered plant. 141455. MEDICAGO LUPULINA L.

No. 6350. From Dimalu, Mazenderan, July 23, 1940. A prostrate plant growing in half shade.

141456. MEDICAGO RADIATA L.

Medic.

No. 6093. From Chamchid, Luristan, May 27, 1940. A prostrate plant growing in barren sandy places.

141457 to 141465. MEDICAGO SATIVA L.

Alfalfa.

141457. No. 6208. Yonje. From Tehran, June 22, 1940. A fodder crop.

141458. No. 6423. Yonje. From Bujmerd, Khorassan, August 1, 1940. Cut 7 to 8 times a year.

141459. No. 6787. Yonje. From Turbati Shaikh Jam, Khorassan, August 23, 1940. A thrifty desert type; irrigated.

141460. No. 6902. Yonje. From Tabas, Khorassan, September 8, 1940.

141461. No. 7048. Yonje. From Turbati Haidari, Khorassan, September 13, 1940. Said to be cut 6 to 7 times a year.

141462. No. 7136. Orunja. From Nishabur, Khorassan, September 20, 1940.

141463. No. 7185. Yurunje. From Sabzawar, Khorassan, September 23, 1940.

141464. No. 7236. Ar Yonje. From Shahrud, Khorassan, September 27, 1940.

141465. No. 5945. From Ahwaz, Khuzistan, April 22, 1940. A cultivated forage plant.

141466. MEDICAGO MUREX Willd.

Madia

No. 6002. From Cheshmashirin, Bakhtiari, May 12, 1940. A prostrate plant with yellow flowers, growing on the steppe.

141467. MEDICAGO ORBICULARIS (L.) All.

No. 6004. From Cheshmashirin, Bakhtiari, May 12, 1940. A prostrate steppe plant.

141468. MEDICAGO RIGIDULA VAR. CINERASCENS (Jord.) Rouy & Fouc.

No. 6083. From Durud, Luristan, May 23, 1940. A prostrate variety growing in barren sandy places.

141469. MEDICAGO MINIMA VAR. BRACHYODON Rchb.

No. 6094. From Kalvar, Luristan, May 28, 1940. A prostrate plant of open dry places.

141470. MEDICAGO MINIMA (L.) Grufberg.

No. 6308. From Gurgan, July 12, 1940. A prostrate plant growing on the sand. 141471. Medicago sp.

No. 6324. From Shahkuh, Mazenderan, July 17, 1940. A prostrate plant growing on dry slopes.

141472. MEDICAGO SATIVA L.

Alfalfa.

No. 6465. From Kataliyekchinar, Khorassan, August 4, 1940.

141473. MEDICAGO SATIVA L.

No. 6497. From Kataliyekchinar, Khorassan, August 6, 1940. A decumbent variety growing on dry steppe.

141474. MEDICAGO LACINIATA (L.) Mill.

Medic.

No. 5907. From Ahwaz, Khuzistan, April 20, 1940. A prostrate desert plant with yellow flowers; eaten by sheep.

141475. Medicago hispida var. apiculata (Willd.) Urban.

No. 5910. From Ahwaz, Khuzistan, April 20, 1940. A prostrate desert plant often 2 feet across, with yellow flowers; found most often in fields, unwatered.

141476. MEDICAGO MINIMA (L.) Grufberg.

No. 6030. From Labissufed, Bakhtiari, May 15, 1940. A prostrate plant with yellow flowers.

141477. Medicago hispida Gaertn.

No. 6034. From Cheshmashirin, Bakhtiari, May 14, 1940. A steppe plant about 15 inches high, with yellow flowers; semidecumbent.

141478. MEDICAGO sp.

No. 6031. From Labisufed, Bakhtiari, May 15, 1940. A semidecumbent steppe plant with yellow flowers, growing in rather barren places.

141479. Melilotus sp. Fabaceae.

No. 5902. Yonje. From Bushire, Fars, April 16, 1940.

141480. MELILOTUS Sp.

No. 5911. From Ahwaz, Khuzistan, April 20, 1940. A desert clover 18 inches high, with fragrant leaves and yellow flowers.

141481. Melilotus sp.

No. 6492. From Kataliyekchinar, Khorassan, August 6, 1940. A rare annual about 4 feet high, with white flowers.

141482. PHALARIS MINOR Retz. Poaceae.

Grass.

No. 6013. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe grass about $3\frac{1}{2}$ feet high.

141483. Phalaris sp.

Grass.

No. 6311. From Gurgan, July 12, 1940. A thrifty annual about 3 feet high.

141484. Phleum Paniculatum Huds. Poaceae.

Timothy.

No. 6408. From Gumbatigabus, July 30, 1940. A secondary grass of the steppe, about 2 feet high.

141485. Physalis sp. Solanaceae.

No. 6402. From Nizamabad, Mazenderan, July 30, 1940. A plant 2 feet high; the fruits have large orange-red calyces.

141486. Poa bulbosa L. Poaceae.

Grass.

No. 6029. From Cheshmashirin, Bakhtiari, May 13, 1940. A rather rare annual steppe grass.

141487. Polypogon monspeliensis (L.) Desf. Poaceae.

Grage.

No. 6015. From Chesmashirin, Bakhtiari, May 13, 1940. An annual steppe grass $2\frac{1}{2}$ feet high, found in low places.

141488 and 141489. Secale cereale L. Poaceae.

Rye.

141488. No. 6519. From Bujmerd, Khorassan, August 8, 1940. A plant with short-bearded heads about 5 inches in diameter; fall-sown and unirrigated.

141489. No. 7073. Jaudar. From Turbati Haidari, Khorassan, September 13, 1940. A few heads found in a strawpile.

141490. Sesamum indicum L. Pedaliaceae.

Sesame.

No. 7057. Kunjib. From Turbati Haidari, Khorassan, September 13, 1940. An irrigated crop plant grown for oil.

141491 to 141495. Sorghum vulgare Pers. Poaceae.

Sorghum.

- 141491. No. 6517. Zauratijharu. From Bujmerd, Khorassan, August 8, 1940. An irrigated plant about 6 feet high; very high in sugar.
- 141492. No. 6924. Zaurat. From Turbati Haidari, Khorassan, September 10, 1940. A cultivated irrigated plant 5 feet high.
- 141493. No. 7041. Zauratisufed. From Turbati Haidari, Khorassan, September 13, 1940. An irrigated plant with solid heads about 8 inches long.
- 141494. No. 7071. Zauratisurkh. From Turbati Haidari, Khorassan, September 13, 1940. A cultivated and irrigated plant with rather loose heads about 1 foot high.
- 141495. No. 7262. Zauratijaru. From Shahrud, Khorassan, September 27, 1940.

 141496. Trifolium pratense L. Fabaceae. Red clover.

No. 6442. From Bujmerd, Khorassan, August 2, 1940. A semidecumbent clover about 18 inches high.

141497 to 141503. Trifolium resupinatum L.

Persian clover.

- 141497. No. 6109. From Ti, Luristan, June 5, 1940. A thrifty, cultivated form about 2 feet high.
- 141498. No. 6919. Shabdar. From Tehran, June 19, 1940. An annual fodder crop.
- 141499. No. 6522. Shabdar. From Bujmerd, Khorassan, August 8, 1940. A thrifty clover.
- 141500. No. 6776. Shabdar. From Turbati Shaikh Jam, Khorassan, August 23, 1940.
- 141501. No. 7050. Shabdar. From Turbati Haidari, Khorassan, September 13, 1940.
- 141502. No. 7133 Shabdar. From Nishabur, Khorassan, September 20, 1940.
- 141503. No. 7253. Shabdar. From Shahrud, Khorassan, September 27, 1940.

141504. Trifolium sp. Fabaceae.

No. 5954. From Saridasht, Bakhtiari, April 26, 1940. A steppe clover growing to a height of 2 feet, with fragrant pink flowers.

141505. Trifolium sp.

No. 5955. From Saridasht, Bakhtiari, April 26, 1940. An annual steppe clover about 1 foot high, with whitish flowers.

141506. Trifolium sp.

No. 5962. From Saridasht, Bakhtiari, April 26, 1940. An annual, growing to about 1 foot on the steppe, with large, few-flowered head of rose flowers.

141507. Trifolium sp.

No. 5963. From Saridasht, Bakhtiari, April 26, 1940. A prostrate clover with small heads of pale rose-purple flowers.

141508. Trifolium sp.

No. 5964. From Saridasht, Bakhtiari, April 26, 1940. A steppe clover, semi-decumbent, growing to about 1 foot high, with fragrant pink flowers.

141509. Trifolium sp.

No. 5971. From Talimansur, Bakhtiari, April 28, 1940. An annual steppe clover, semierect to 18 inches, with pale rose-purple flowers.

141510. Trifolium sp.

No. 5999. From Cheshmashirin, Bakhtiari, May 12, 1940. A rather coarse steppe clover, prostrate to semierect.

141511. Trifolium sp.

No. 6003. From Cheshmashirin, Bakhtiari, May 12, 1940. A rare steppe clover, about 1 foot high, with a globular head of rose flowers.

141512. TRIFOLIUM SD.

No. 6022. From Cheshmashirin, Bakhtiari, May 13, 1940. An annual steppe clover about 1 foot high, with rigid awns and pink flowers.

141513. Trifolium sp.

No. 6037. From Cheshmashirin, Bakhtiari, May 14, 1940. An annual steppe clover about 1 foot high, with soft awns and globular heads.

141514. Trifolium sp.

No. 6091. From Chamchid, Luristan, May 27, 1940. An erect steppe clover about 1 foot high.

141515. TRIFOLIUM sp.

No. 6092. From Chamchid, Luristan, May 27, 1940. A rare attractive clover 1 foot high, growing in dry rather shady places.

141516. Trifolium sp.

No. 6298. From Gurgan, July 11, 1940. A field clover about 15 inches high, with small globular heads about $\frac{1}{2}$ inch across.

141517. TRIFOLIUM Sp.

No. 6301. From Gurgan, July 12, 1940. A weak field clover about 15 inches high, with small globular heads about 1% inch across.

141518. Trifolium sp.

No. 6307. From Gurgan, July 12, 1940. A clover about 1 foot high, growing in fields and dry river beds.

141519. TRIFOLIUM Sp.

No. 6316. From Gozlu, Mazenderan, July 15, 1940. A prostrate clover with white flowers.

141520. Trifolium sp.

No. 6351. From Dimalu, Mazenderan, July 23, 1940. A prostrate clover growing in half shade.

141521. Trifolium sp.

No. 6439. From Bujmerd, Khorassan, August 2, 1940. A prostrate clover, with rose flowers on a long peduncle, growing along watercourses.

141522. Trifolium sp.

No. 5965. From Saridasht, Bakhtiari, April 26, 1940. A semierect steppe clover with small heads of golden flowers.

141523. Trifolium sp.

No. 5997. From Belu, Bakhtiari, May 8, 1940. A small, prostrate clover, growing on the steppe.

141524. Trifolium sp.

No. 6302. From Gurgan, July 12, 1940. A weak clover about 1 foot high, with yellow flowers.

141525. TRIGONELLA p. Fabaceae.

No. 6088. From Chamchid, Luristan, May 26, 1940. A prostrate annual growing on bare places.

141526. TRIGONELLA Sp.

No. 5941. From Ahwaz, Khuzistan, April 22, 1940. A prostrate fragrant field weed, growing in winter rains.

141527. TRIGONELLA Sp.

No. 5871. From Bushire, Fars, April 15, 1940. A prostrate perennial legume, growing with winter rains.

141528. TRIGONELLA ANGUINA Delile.

No. 5909. From Ahwaz, Khuzistan, April 20, 1940. A prostrate desert legume with yellow flowers.

141529. TRIGONELLA Sp.

No. 6072. From Durud, Luristan, May 22, 1940. A rare annual legume about 6 inches high, growing on the dry isolated sandbank of the river.

141530. TRIGONELLA sp.

No. 6074. From Durud, Luristan, May 22, 1940. A prostrate legume growing in dry isolated sandbanks.

141531. TRIGONELLA Sp.

No. 6075. From Durud, Luristan, May 22, 1940. An erect, annual legume growing in meadows or on dry sunny sandbanks.

141532. TRIGONELLA Sp.

No. 6089. From Chamchid, Luristan, May 26, 1940. A semidecumbent legume growing on dry open places.

141533. No. 6090.

From Chamchid, Luristan, May 26, 1940. A semidecumbent legume growing on dry open places.

141534 to 141536. VICIA FABA L. Fabaceae.

Broadbean.

141534. No. 5937. Bakla. From Ahwaz, Khuzistan, April 21, 1940.

141535. No. 6516. Bakla. From Bujmerd, Khorassan, August 8, 1940.

141536. No. 6897. Bagla. From Tabas, Khorassan, September 8, 1940.

141537. VICIA HYBRIDA L.

Vetch.

No. 6021. From Cheshmashirin, Bakhtiari, May 13, 1940. A weak steppe plant about $2\frac{1}{2}$ feet high.

141538. LATHYRUS Sp. Fabaceae.

No. 6103. From Ti, Luristan, June 3, 1940. A perennial, matted species growing to about 2 feet high in open places near oaks; flowers attractive, blue purple; plant cut for hay.

141539. VICIA SERRATIFOLIA f. INTEGRIFOLIA Beck. Fabaceae.

No. 6123. From Durud, Luristan, June 7, 1940. A low vetch 18 inches high, with large purple flowers.

141540. VICIA sp.

No. 6320. From Shahkuh, Mazenderan, July 17, 1940. A browsed plant growing in mats, with attractive rose flowers.

141541. LATHYRUS APHACA L. Fabaceae.

Pea.

No. 6005. From Cheshmashirin, Bakhtiari, May 13, 1940. Plant grows without summer rain.

141542 to 141546. VIGNA SINENSIS (Torner) Savi. Fabaceae.

Cowpea.

141542. No. 5935. Lobia. From Ahwaz, Khuzistan, April 21, 1940.

141543. No. 6207. Lobia. From Tehran, June 22, 1940.

141544. No. 6895. Lobia. From Tabas, Khorassan, September 8, 1940.

141545. No. 7046. Lobiaesiya. From Turbati Haidari, Khorassan, September 13, 1940. A thrifty food crop.

141546. No. 7068. Lobia. From Turbati Haidari, Khorassan, September 13, 1940. A thrifty food crop.

141547. Solanum quitoense Lam. Solanaceae.

Naranjilla.

From Cali, Colombia. Seeds presented by Dr. George Backeland, through David Fairchild, Coconut Grove, Fla. Numbered May 2, 1941.

An ornamental shrub about 3 feet high; native to Peru; the oblong-ovate, deep-green leaves are soft, hairy, and the large white flowers are in short axillary clusters. The aromatic orange-colored juicy fruits are nearly spherical and about 2 inches in diameter. They are used in the preparation of refreshing drinks.

For previous introduction see 129350.

141548 to 141552.

From Cuba. Seeds presented by F. G. Walsingham, Atkins Institute of the Arnold Arboretum, Cienfuegos. Received April 29, 1941.

141548. Albizzia procera (Roxb.) Benth. Mimosaceae.

A tall, handsome tree, with large compound leaves and terminal panicles of yellow-white flowers. Native to eastern and southern India.

For previous introduction see 116456.

141549. BAUHINIA PAULETIA Pers. Caesalpiniaceae.

An erect shrub up to 16 feet high, armed with short spines and with 2-lobed leaves and greenish-white inconspicuous flowers. Native to Central America.

141550. BAUHINIA PICTA (H.B.K.) DC.

Mottled bauhinia

For previous introduction see 31836.

141551. Cassia nodosa Buch.-Ham. Caesalpiniaceae.

For previous introduction see 123169.

141552. Rhipsalis cassutha Gaertn. Cactaceae.

Mistletoe cactus.

For previous introduction see 99056.

141553 to 141730.

From Iran. Seeds presented by Walter Koelz, Bureau of Plant Industry, United States Department of Agriculture. Received April 9, 1941.

141553. Allium cepa L. Liliaceae.

Onion.

No. 5957. From Saridasht, Bakhtiari, April 26, 1940. Plant 4 feet high, with large heads of large pink flowers 4 inches across.

141554 to 141561. Anethum graveolens L. Apiaceae.

Dill.

The vernacular name for dill is shenet in Iran.

141554. No. 7051. From Turbati Haidari, Khorassan, September 13, 1940. Leaves and seeds used for flavoring.

141555. No. 6455. From Bujmerd, Khorassan, August 2, 1940. Used as spice.

141556. No. 6193. From Tehran, June 18, 1940. Eaten raw as a salad or relish.

141557. No. 6433. From Bujmerd, Khorassan, August 2, 1940. A potherb.

141558. No. 6642. From Meshed, Khorassan, August 12, 1940. A salad herb.

141559. No. 6791. From Turbati Shaikh Jam, Khorassan, August 23, 1940. Leaves used as salad and seeds for flavor.

141560. No. 6824. From Firdus, Khorassan, August 27, 1940. Leaves used for flavoring, cooked or raw; widely grown in Iran.

141561. No. 6917. From Tabas, Khorassan, September 8, 1940. A potherb.

141562 to 141565. APIUM GRAVEOLENS L. Apiaceae.

Celery.

141562. No. 6226. *Jafri*. From Tehran, June 26, 1940. Used in salad when young.

141563. No. 6427. Jafri. From Bujmerd, Khorassan, August 2, 1940. Eaten raw or as potherb.

141564. No. 6782. Jafri. From Turbati Shaikh Jam, Khorassan, August 23, 1940. A salad plant.

141565. No. 6833. *Jafri*. From Firdus, Khorassan, August 28, 1940. A common plant used for flavor, raw or cooked.

141566. Brassica juncea (L.) Coss. Brassicaceae.

Chinese mustard.

No. 5903. Khardil. From Bushire, Fars, April 16, 1940. Seeds used as condiment.

141567 and 141568. Brassica oleracea var. botrytis L.

Cauliflower.

141567. No. 6214. *Kalmigul*. From Tehran, June 24, 1940.

141568. No. 6385. *Kalmigul*. From Gurgan, July 28, 1940. 141569 to 141576. Brassica oleracea var. capitata L.

Cabbage.

141569. No. 6191. Kalmipich. From Tehran, June 18, 1940. Head flat, hard, about 18 inches across.

141570. No. 6380. Kalmipich. From Gurgan, July 28, 1940.

141571. No. 6430. Kalmi. From Bujmerd, Khorassan, August 2, 1940. Head round, flat, and peaked.

141572. No. 6619. Kalmipich. From Meshed, Khorassan, August 12, 1940. Head flattened, 8 to 10 inches across; tender and of good flavor.

141573. No. 6778. Kalmipich. From Turbati Shaikh Jam, Khorassan, August 23, 1940. Head somewhat flattened.

141574. No. 7076. Kalmibarg. From Turbati Haidari, Khorassan, September 13, 1940. Head flat.

141575. No. 7245. Kalmibarg. From Shahrud, Khorassan, September 27, 1940. Head globular, about 9 inches in diameter.

141576. No. 5869. Kilamipich. From Bushire, Fars, April 16, 1940. Head rather loose but well-balanced, about 10 inches across; leaves very crinkly.

141577 to 141582. Brassica oleracea var. gongylodes L.

Kohlrabi.

141577. No. 6220. Kalmigomri. From Tehran, June 24, 1940.

141578. No. 6623. Kalmisang. From Meshed, Khorassan, August 12, 1940. Huge green corms about 12 inches in diameter.

141579. No. 6910. Kalmisang. From Tabas, Khorassan, September 8, 1940. Corm green, 8 inches in diameter, with fair texture, flavor not strong.

141580. No. 7075. Kalmisang. From Turbati Haidari, Khorassan, September 13, 1940. Corm globose, green, to 7 inches, tender, mild.

141581. No. 7132. Kalmisang. From Nishabur, Khorassan, September 20, 1940.

141582. No. 7244. Kalmigomri. From Shahrud, Khorassan, September 27, 1940.

141583 to 141596. Brassica rapa L.

Turnip.

The vernacular name for turnip is shelgam in Iran.

141583. No. 5898. From Bushire, Fars, April 16, 1940. Globose, white.

141584. No. 5922. From Ahwaz, Khuzistan, April 20, 1940. Globose, white.

141585. No. 6063. From Dizful, Khuzistan, May 18, 1940.

141586. No. 6219. From Tehran, June 24, 1940.

141587. No. 6452. From Bujmerd, Khorassan, August 2, 1940.

- 141588. No. 6621. From Meshed, Khorassan, August 12, 1940. Red and white sorts.
- 141589. No. 6773. From Turbati Shaikh Jam, Khorassan, August 23, 1940.
- 141590. No. 6816. From Firdus, Khorassan, August 27, 1940. A mixture of red and white sorts.
- 141591. No. 6909. From Tabas, Khorassan, September 8, 1940. A mixture with 3 to 4 leaves.
- 141592. No. 7064. From Turbati Haidari, Khorassan, September 13, 1940. Globose, walnut size or smaller, white and purple.
- 141593. No. 7122. From Nishabur, Khorassan, September 20, 1940. A mixture of red-purple and white sorts.
- 141594. No. 7146. Shelghami Khirmiz. From Nishabur, Khorassan, September 21, 1940. A very small red turnip.
- 141595. No. 7191. From Sabzawar, Khorassan, September 24, 1940. A mixture.
- 141596. No. 7243. From Shahrud, Khorassan, September 27, 1940. A mixture of red and white sorts.

141597. Brassica sp.

No. 7025. Mandao. From Turbati Haidari, Khorassan, September 12, 1940. Seeds used as source of oil for illumination.

141598. CITRULLUS COLOCYNTHIS (L.) Schrad. Cucurbitaceae. Colocynth.

No. 7147. Hinduanaeabujahi. From Nishabur, Khorassan, September 21, 1940. A wild plant with subglobose fruits $3\frac{1}{2}$ inches across; used for medicine.

141599 to 141613. CITRULLUS VULGARIS Schrad.

Watermelon.

The vernacular name for watermelon is hinduana in Iran.

- 141599. No. 6368. From Gurgan, Mazenderan, July 28, 1940. Fruit globose, 8 inches in diameter, dark green with a lighter chain stripe; rind 1½ inches thick; flesh rose, fair.
- 141600. No. 6390. From Gurgan, July 29, 1940. Fruit elongated, 11 by 6 inches, white green with narrow pea-green chain stripe; rind hard, 1/8 inch thick; flesh rose, streaked yellow, fair.
- 141601. No. 6391. From Gurgan, July 29, 1940. Fruit elongated, 11 by 6 inches, sea green with faint dark-green reticulations; rind ½ inch thick; flesh pink, streaked yellow, good texture; flavor poor.
- 141602. No. 6392. From Gurgan, July 29, 1940. Fruit elongated, 11 by 6 inches grass green with darker clouded broad ribs; rind $\frac{1}{2}$ inch thick; flesh pink, fair-
- 141603. No. 6398. From Gurgan, July 29, 1940. Fruit globose, 8 inches in diameter, green white with narrow sea-green stripes; rind \(\frac{5}{3} \) inch thick; flesh pink, firm, good.
- 141604. No. 6422. From Garamab, Khorassan, August 1, 1940. Fruit globose, 7 inches in diameter, grass green with paler mottlings; rind ½ inch thick; flesh rose; quality good.
- 141605. No. 6458. From Garamab, Khorassan, August 3, 1940. Fruit elongated, 10 by 7 inches, pale green with darker chain stripes; rind ½ inch thick; flesh pink red, mixed white, seedy and juicy; quality good.
- 141606. No. 6505. From Bujmerd, Khorassan, August 8, 1940. Fruit small, globose, 8 inches across, grass green with faint indicated and broken stripes of light green; rind ¼ inch thick; flesh pink, fewer air cells; quality good.
- 141607. No. 6507. From Bujmerd, Khorassan, August 8, 1940. Fruit globose, 10 inches in diameter, dark green; rind ½ inch thick; flesh yellow, juicy, much air in cells; quality fair.
- 141608. No. 6525. From Bujmerd, Khorassan, August 8, 1940.

- 141609. No. 6529. From Bujmerd, Khorassan, August 8, 1940. Fruit subglobose, 10 inches in diameter, black green; rind ¾ inch thick; flesh yellow, fair.
- 141610. No. 6552. From Meshed, Khorassan, August 10, 1940. Fruit globose, 9 inches in diameter, dark green with broad black ribs; rind ½ inch thick; flesh white, stained rose; quality good.
- 141611. No. 6557. From Meshed, Khorassan, August 10, 1940. Fruit green, often blotched yellow; rind firm; good shipper and keeper.
- 141612. No. 6652. From Meshed, Khorassan, August 13, 1940. Fruit globose, 9 inches long, black green with paler green stripes; rind ½ inch thick; flesh pink, good.
- 141613. No. 6158. From Tehran, June 15, 1940. Fruit globose, 5½ inches across, dark green; rind ½ inch thick; flesh yellow, insipid.
- 141614 and 141615. Coriandrum sativum L. Apiaceae.

Coriander.

- 141614. No. 5852. Gishniz. From Bushire, Fars, April 14, 1940.
- 141615. No. 6630. Girshniz. From Meshed, Khorassan, August 12, 1940. Salad flavoring.
- 141616 to 141623. Cucumis melo L. Cucurbitaceae.

Muskmelon.

- 141616. No. 5931. Khujarichamber. From Ahwaz, Khuzistan, April 21, 1940.
- 141617. No. 6771. Dastiambur. From Turbati Shaikh Jam, Khorassan, August 23, 1940. Fruit small, globose, 2 inches in diameter, yellow, ribbed brown.
- 141618. No. 7014. Dastambul. From Turbati Haidari, Khorassan, September 12, 1940. Fruit dry, 1½ inches across.
- 141619. No. 7014. Dastambul. From Turbati Haidari, Khorassan, September 12, 1940. Fruit dry, 1½ inches across.
- 141620. No. 7053. Khiyarichambar. From Turbati Haidari, Khorassan, September 13, 1940. Fruits long, thin, furrowed.
- 141621. No. 7187. Dastambul. From Sabzawar, Khorassan, September 24, 1940. Fruit 4 by 2½ inches, golden brown with yellow stripes, traces of netting; fragrant, inedible.
- 141622. No. 7242. Khiyarichambar. From Shahrud, Khorassan, September 27, 1940. Fruit resembles the long "Chinese" cucumber.
- 141623. No. 7275. Dastambul. From Tehran, October 4, 1940. Fruits globose, 4 inches in diameter, golden brown with broken irregular yellow stripes, sparse, coarse netting; fragrant, inedible.
- 141624 to 141630. Cucumis sativus L.

Cucumber.

- 141624. No. 6061. Khiyaribalang. From Dizful, Khuzistan, May 18, 1940. Fruit 8 inches long, tender, very agreeable.
- 141625. No. 6062. Khiyarichambar. From Dizful, Khuzistan, May 18, 1940. Fruit resembles the ribbed "Chinese" cucumber; quality poor.
- 141626. No. 6194. Khiyarichambar. From Tehran, June 18, 1940. A long, thin, furrowed cucumber, used for salad.
- 141627. No. 6370. Dastambul. From Gurgan, Mazenderan, July 28, 1940. Fruit flattened, 3 by $2\frac{1}{2}$ inches, onion skin brown, smooth; fragrant, not edible.
- 141628. No. 6371. Dastambul. From Gurgan, Mazenderan, July 28, 1940. Fruits flattened, $3\frac{1}{2}$ by 3 inches, red brown with broken, mottled yellow stripes, smooth; kept for fragrance, inedible.
- 141629. No. 6381. Khiyaritarmi. From Gurgan, July 28, 1940. Fruit resembles long "Chinese" cucumber.
- 141630. No. 6640. Khiyarichambar. From Meshed, Khorassan, August 13, 1940. Fruit resembles the long "Chinese" cucumber.

141631. CUCUMIS sp.

No. 6265. From Gurgan, Gurgan, July 10, 1940. A thrifty, prostrate field weed, growing in clumps up to 3 feet across; fruit hairy, lime-shaped, $2\frac{1}{2}$ inches long, green with darker blotches and stripes.

141632 to 141640. Cucurbita maxima Duchesne.

Squash

- 141632. No. 6672. Kadu. From Karizan Ahmad, Khorassan, August 16, 1940. Mixture of local sorts.
- 141633. No. 6697. Kadu. From Bardu, Khorassan, August 21, 1940. Fruits oblong, 8 inches long, orange red, smooth; flesh yellow, 1½ inches thick, insipid.
- 141634. No. 6951. Kaduetambal. From Turbati Haidari, Khorassan, September 11, 1940. Fruit subglobose, 10 inches in diameter, red orange with pink stripes and blotches of green; flesh orange, 1¾ inches thick, insipid.
- 141635. No. 6958. Kaduetambal. From Turbati Haidari, Khorassan, September 11, 1940. Fruit 13 by 7½ inches, irregular surface, creamy white; flesh pale orange, 2 inches thick, insipid.
- 141636. No. 6968. Kaduetambal. From Turbati Haidari, Khorassan, September 11, 1940. Fruit obovoid, 14 inches in diameter, gray green, blotched and lined with a paler green; flesh pale orange, 1½ inches thick, insipid.
- 141637. No. 6969. Kaduetambal. From Turbati Haidari, Khorassan, September 11, 1940. Fruit flattened, 10 by 7 inches, deeply and irregularly ribbed with pale salmon; flesh pale orange, 1½ inches thick, insipid.
- 141638. No. 6970. Kaduetambal. From Turbati Haidari, Khorassan, September 11, 1940. Fruit flattened, 12 by 9 inches, gray green with deep and irregular ribs; flesh 1¾ inches thick, pale orange, insipid.
- 141639. No. 6971. Kaduetambal. From Turbati Haidari, Khorassan, September 11, 1940. Fruit flattened, 12 by 8 inches, orange, deeply and irregularly ribbed; flesh 2 inches thick, pale orange, insipid.
- 141640. No. 7060. Kadu. From Turbati Haidari, Khorassan, September 13, 1940.

141641 to 141656. CUCURBITA MOSCHATA Duchesne.

Cushaw.

- 141641. No. 6180. From Tehran, June 17, 1940.
- 141642. No. 7258. From Shahrud, Khorassan, September 27, 1940.
- 141643. No. 5900. From Bushire, Fars, April 16, 1940. Fruit football-shaped, 15 inches long, pink brown, blotched paler with heavy ribs; flesh orange, 2 inches thick, fairly sweet, good texture.
- 141644. No. 5942. From Ahwaz, Khuzistan, April 22, 1940. Fruit irregularelongate, 15 by 10 inches, buff with deep ribs; flesh about 2 inches thick, deep orange, rather sweet, coarse-grained.
- 141645. No. 5943. From Ahwaz, Khuzistan, April 22, 1940. Fruit globose, 12 inches in diameter, brown buff with lighter blotches, indented ribs; flesh about 2 inches thick, orange, rather sweet, coarse-grained.
- 141646. No. 6218. Kaduehaluai. From Tehran, June 24, 1940.
- 141647. No. 6513. Kadu. From Bujmerd, Khorassan, August 8, 1940.
- 141648. No. 6625. Kaduehaluai. From Meshed, Khorassan, August 12, 1940.
- 141649. No. 6929. Kadueorganji. From Turbati Haidari, Khorassan, September 11, 1940. Fruit oblong, 15 inches long, pink buff with paler spots; flesh orange, sweet.
- 141650. No. 6950. Kadueorganji. From Turbati Haidari, Khorassan, September 11, 1940. Fruit 23 inches long, 4 to 6 inches wide, with a small seed cavity at one end, otherwise solid; flesh salmon, sweet.
- 141651. No. 5895. From Bushire, Fars, April 15, 1940.
- 141652. No. 7197. Kadueorganji. From Sabzawar, Khorassan, September 24, 1940. Fruit gourd-shaped.

- 141653. No. 6810. Kaduetambal. From Firdus, Khorassan, August 27, 1940. Fruit globose, 11 inches in diameter, white with deep ribs; flesh 2 inches thick, creamy, insipid.
- 141654. No. 6812. Kaduemecca. From Firdus, Khorassan, August 27, 1940. Fruit 20 by 9 inches, salmon with irregular white stripes; flesh yellow, 1½ inches thick, insipid.
- 141655. No. 6989. Kaduetambal. From Turbati Haidari, Khorassan, September 12, 1940. Fruit 12 by 6 inches, orange, obscurely striped and spotted yellow; flesh 1½ inches thick, yellow, insipid.
- **141656.** No. 6383. *Kadu*. From Gurgan, July 28, 1940. Fruit 10 by 6 inches, green.

141657 to 141678. CUCURBITA PEPO L.

Pumpkin.

- 141657. No. 6065. From Dizful, Khuzistan, May 18, 1940. An egg-shaped gourd; may be edible.
- 141658. No. 6460. Kaduekhurushi. From Bujmerd, Khorassan, August 7, 1940.
- 141659. No. 6959. Kaduebadenjan. From Turbati Haidari, Khorassan, September 11, 1940. Fruit subglobose, somewhat flattened, up to about 7 inches long, cream buff.
- 141660. No. 7059. Kadu. From Turbati Haidari, Khorassan, September 13, 1940.
- 141661. No. 7138. Kadu. From Nishabur, Khorassan, September 20, 1940.
- 141662. No. 7173. Kaduetamasha. From Sabzawar, Khorassan, September 23, 1940. Fruit flattened, 2½ by 2 inches, obscurely ribbed.
- 141663. No. 7189. Kaduebadenjan. From Sabzawar, Khorassan, September 24, 1940.
- 141664. No. 5879. Kadu. From Bushire, Fars, April 15, 1940.
- 141665. No. 5927. From Ahwaz, Khuzistan, April 21, 1940. Small, immature fruits, both round and elongate.
- 141666. No. 6213. Kaduemasmali. From Tehran, June 24, 1940. Fruit globose.
- 141667. No. 6216 Kaduekombar. From Tehran, June 24, 1940.
- 141668. No. 6921 Kadu. From Tabas, Khorassan, September 8, 1940. Fruit 8 by 6 inches, orange with yellow stripes; flesh ¾ inch thick, yellow, eaten young.
- 141669. No. 6946. Kadu. From Turbati Haidari, Khorassan, September 11, 1940. Fruit globose, 7 inches in diameter, orange, netted yellow; flesh 1½ inches thick, yellow, insipid; eaten when young.
- 141670. No. 6949 Kadu. From Turbati Haidari, Khorassan, September 11, 1940. Fruit subglobose, 6 inches long, yellow; flesh ¾ inch thick, yellow; eaten young.
- 141671. No. 6961. Kaduebadenjan. From Turbati Haidari, Khorassan, September 11, 1940. Fruit 9 by 4½ inches, orange with yellow spots; flesh ¾ inchethick; eaten young.
- 141672. No. 6963. Kaduebadenjan. From Turbati Haidari, Khorassan, September 11, 1940. Fruit 9 by 4½ inches, green; flesh 1¼ inches, yellow; eaten young.
- 141673. No. 7148. Kaduebadenjani. From Nishabur, Khorassan, September 21, 1940
- 141674. No. 7234. Kadu. From Shahrud, Khorassan, September 27, 1940.
- 141675. No. 7261. Kadu. From Shahrud, Khorassan, September 27, 1940.
- 141676. No. 6622. Kaduebanjani. From Meshed, Khorassan, August 12, 1940. Fruits 8 by 4 inches, yellow; eaten young.
- 141677. No. 6947. Kadu. From Turbati Haidari, Khorassan, September 11, 1940. Fruit 11 by 4 inches, cream with raised ridge ribs; flesh 11/4 inches thick, white; eaten young.

141678. No. 6948. Kaduebadenjan. From Turbati Haidari, Khorassan, September 11, 1940. Fruit elongate, 11 by 4 inches, cream buff; flesh 1¼ inches thick, white; eaten young.

141679. DAUCUS CAROTA L. Apiaceae.

Carrot.

No. 7235. Zardak. From Shahrud, Khorassan, September 27, 1940. Root purple; coarsely cut.

141680 to 141683. LACTUCA SATIVA L. Cichoriaceae.

Garden lettuce.

141680. No. 6055.

141681. No. 6195. *Kahu.* From Tehran, June 19, 1940. A short-leaved head type.

141682. No. 6212 Kahuepich. From Tehran, June 24, 1940. A short-leaved head sort.

141683. No. 7256. Kahu. From Shahrud, Khorassan, September 27, 1940.

141684. LACTUCA sp.

No. 6096. From Kalvar, Luristan, May 28, 1940. A species growing in a dry oak forest in shade; small yellow flowers, 2 feet high.

141685. LACTUCA Sp.

No. 6101. From Ti, Luristan, June 2, 1940. A tall species, 2 to 3 feet high, growing on dry, open places.

141686. LACTUCA sp.

No. 6110. From Chamchid, Luristan, June 6, 1940. A species 2 feet high, with rose-purple flowers 1 inch across.

141687. LACTUCA Sp.

No. 6296. From Gurgan, July 11, 1940. A field weed 7 feet high.

141688. LACTUCA Sp.

No. 6474. From Kataliyekchinar, Khorassan, August 5, 1940. A conspicuous steppe plant, 10 feet high.

141689 to 141698. LAGENARIA LEUCANTHA (Duchesne) Rusby. Cucurbitaceae. Calabash gourd.

141689. No. 6190. Kaduekalmi. From Tehran, June 18, 1940.

141690. No. 6453. *Kaduechilimi*. From Bujmerd, Khorassan, August 2, 1940. An ornamental with a short neck.

141691. No. 6656. Kaduechamberi. From Meshed, Khorassan, August 13, 1940.

141692. No. 6811. Kaduechilimi. From Firdus, Khorassan, August 27, 1940. Fruit 16 inches long.

141693. No. 6960. Kaduechalami. From Turbati Haidari, Khorassan, September 11, 1940. Fruit 12 inches long, with a short turtlehead neck.

141694. No. 6964. Kaduechalami. From Turbati Haidari, Khorassan, September 11, 1940. Fruit 5 to 8 inches long; ornamental.

141695. No. 6965. Kaduechalami. From Turbati Haidari, Khorassan, September 11, 1940. Fruit 5 inches long, with a thin neck 2¾ inches long; ornamental.

141696. No. 6974. Kaduechalami. From Turbati Haidari, Khorassan, September 11, 1940. Fruit similar to No. 6960 but with much longer neck; ornamental.

141697. No. 6992. From Turbati Haidari, Khorassan, September 12, 1940. Fruit turtlehead-necked, 4 inches long.

141698. No. 7123. Kaduejoli. From Nishabur, Khorassan, September 20, 1940.

141699 to 141701. Lepidium sativum L. Brassicaceae. Garden cress.

141699. No. 5899. Taratezak. From Bushire, Fars, April 16, 1940. A salad green and potherb.

141700. No. 7232. Taratezak. From Shahrud, Khorassan, September 26, 1940. A salad plant.

141701. No. 7127. Taratezak. From Nishabur, Khorassan, September 20, 1940. A salad plant.

141702 to 141704. LUFFA ACUTANGULA (L.) Roxb. Cucurbitaceae.

Singkwa towelgourd.

141702. No. 6200 Tori. From Tehran, June 21, 1940. Tender fruits used as vegetable.

141703. No. 6648. Tori. From Meshed, Khorassan, August 13, 1940. A rare vegetable.

141704. No. 7066. *Tori*. From Turbati Haidari, Khorassan, September 13, 1940. A rare vegetable.

141705. LUFFA AEGYPTIACA Mill.

Suakwa towelgourd.

No. 6209. Tori. From Tehran, June 24, 1940. Tender fruits used as vegetable.

141706. Rubus sp. Rosaceae.

No. 6361. From Khairat, Mazenderan, July 26, 1940. A prostrate plant, with white flowers and rather inferior black fruits lacking bloom, growing in part shade in forest.

141707. Rubus sp.

No. 6299. From Gurgan, Mazenderan, July 12, 1940. A dense shrub about 6 feet high, with an abundance of small rose-purple flowers; fruit small, good flavor.

141708. Rubus sp.

No. 6403. From Nizamabad, Mazenderan—July 30, 1940. A prostrate plant bearing black fruits without bloom; flowers white.

141709. Rubus sp.

No. 6491. Tamishk. From Kotaliyekchinar, Khorassan, August 6, 1940. A dense bushy form about 7 feet high, with small rose-purple flowers $\frac{1}{2}$ inch across and good-flavored firm black fruits.

141710. Solanum sp. Solanaceae.

No. 6679. From Bardu Forest, Khorassan, August 19, 1940. A scandent plant with scarlet fruits, found along streams.

141711. Solanum sp.

No. 6373. From Khairat, Mazenderan, July 25, 1940. A low plant 8 inches high, with entire elliptical leaves and 1 to 2 fruits, growing in dense shade.

141712 to 141717. Spinacia oleracea L. Chenopodiaceae. Common spinach. The vernacular name for spinach is *isfinaj* in Iran.

141712. No. 5893. From Bushire, Fars, April 15, 1940.

141713. No. 5893-A. From Bushire, Fars, April 15, 1940.

141714. No. 7196. From Sabzawar, Khorassan, September 24, 1940.

141715. No. 7196-A. From Sabzawar, Khorassan, September 24, 1940.

141716. No. 6779. From Turbati Shaikh Jam, Khorassan, August 23, 1940.

141717. No. 6918. From Tabas, Khorassan, September 8, 1940.

141718. Tragopogon sp. Cichoriaceae.

No. 5993. From Pashimshurun, Bakhtiari, May 9, 1940. A low plant 6 inches high, growing on a steppe without summer rains.

141719. Tragopogon sp.

No. 6069. From Durud, Luristan, May 20, 1940. A plant about 1½ feet high, with purple flowers; growing in wet meadows.

141720. Tragopogon sp.

No. 6447. From Bujmerd, Khorassan, August 2, 1940. A field weed 2 feet high, with small yellow flowers $\frac{5}{8}$ inch across.

141721 to 141730. Trigonella foenum-graecum L. Fabaceae. Fenugreek.

141721. No. 5929. Halba. From Ahwaz, Khuzistan, April 21, 1940. A potherb.

141722. No. 6431. Shamblili. From Bujmerd, Khorassan, August 2, 1940. A potherb.

141723. No. 6649. *Halim*. From Meshed, Khorassan, August 13, 1940. A potherb.

141724. No. 6789. Shamblili. From Turbati Shaikh Jam, Khorassan, August 23, 1940. A potherb.

141725. No. 6817. Shamblili. From Firdus, Khorassan, August 27, 1940. A potherb.

141726. No. 6911. Shamblili. From Tabas, Khorassan, September 8, 1940. A potherb.

141727. No. 7054. Shamblili. From Turbati Haidari, Khorassan, September 13, 1940. Seeds and leaves used as flavoring.

141728. No. 7128. Halba. From Nishabur, Khorassan, September 20, 1940. A flavoring plant.

141729. No. 7255. Shamblili. From Shahrud, Khorassan, September 27, 1940. A flavoring plant.

141730. No. 6170. Shamblili. From Tehran, June 16, 1940. A potherb.

141731. Schefflera sp. Araliaceae.

From California. Plant presented by Dr. C. Franceschi, Santa Barbara. Numbered July 14, 1941.

An evergreen large shrub or small tree, which has grown to about 12 feet high at Coconut Grove, Florida. The leaves are palmately 5- to 7-foliolate and nearly a foot across; the flowers are inconspicuous.

For previous introduction see 79145.

141732 to 141737.

From Palestine. Seeds presented by Rudolf Samisch, Director of Horticulture, Agricultural Research Station, Rehovot. Received April 21, 1941.

141732. PISTACIA ATLANTICA Desf. Anacardiaceae. Mount Atlas pistache.

Huleh. A tree, native to northern Africa, up to 50 feet high, with many woody branches that form a dense head. The blue, somewhat fleshy drupes are about the size of peas. A resinous gum flows from the bark of the trunk and branches at various times of the year, especially in summer, and hardens to a pale-yellow color. This gum has a pleasant aromatic odor and taste, and thickens in plates covering the branches. The Arabs collect this substance in autumn and winter and chew it to whiten the teeth and sweeten the breath.

For previous introduction see 127867.

141733. PISTACIA LENTISCUS L.

Lentisk.

No. 1 Jalameh. An attractive shrub, with dense clusters of bright-red berries that become black.

For previous introduction see 109552.

141734 to 141737. PISTACIA TEREBINTHUS L.

False terebinth.

A handsome tree, up to 30 feet high, with small ovoid fruits $\frac{1}{3}$ inch long. Native to Asia Minor.

141734. Mt. Tabor.

141736. No. 5 Jalameh.

141735. No. 4 Jalameh.

141737. Ibtin, Shefa Amer.

141738 to 141742.

From Canada. Presented by G. H. Corsan, Islington, Ontario. Received May 6, 1941.

141738. Carya sp. Juglandaceae.

Corsan. Seeds from a tree 3 years old.

141739. CARYA Sp.

Corsan. Scions.

141740. CARYA Sp.

Schick. An excellent variety. Scions.

141741 and 141742. JUGLANS NIGRA L.

Black walnut.

141741. Gifford. Seedling of Ohio; nuts much larger. Scions.

141742. •Neilson. Scions.

141743. Pandanus pacificus Veitch. Pandanaceae. Pacific screwpine.

From Puerto Rico. Plants presented by Claud L. Horn, Agricultural Experiment Station, Mayaguez. Received May 7, 1941.

A shrub or small tree with dark-green glossy leaves, which make it most desirable as an ornamental or hedge plant for tropical regions. Native to the Pacific Islands.

For previous introduction see 99610.

141744 and 141745.

From Australia. Seeds presented by Russell Grimwade, Melbourne, Victoria. Received May 2, 1941.

141744. EUCALYPTUS CALOPHYLLA Lindl. Myrtaceae. Port Gregory gum.

Var. Rosea. A form with large clusters of pink flowers.

141745. Eucalyptus ficifolia F. Muell.

Scarlet gum.

A handsome small tree up to 30 feet high, with scarlet flowers.

141746. Rooseveltia frankliniana O. F. Cook. Phoenicaceae. Palm.

From Costa Rica. Seed presented by Dr. Waldo L. Schmitt, United States National Museum. Received May 12, 1941.

A tall handsome palm with a rigid, columnar trunk, the base rather abruptly thickened, and a crown of large pinnate leaves with many long and pendent pinnae. It is very similar in size and general appearance to the coconut palm. Native to the Cocos Islands.

For previous introduction see 129769.

141747. Andropogon saccharoides var. Berteronianus (Steud.) Hack. Poaceae. Grass.

From Chile. Seed presented by the Departmento de Genetica Fitotecnica, Ministerio de Agricultura, Santiago. Received May 9, 1941.

141748 to 141759. ORYZA SATIVA L. Poaceae.

Rice.

From Peru. Seeds presented by the Estación Experimental Agricola "La Molina," Lima. Received May 19, 1941.

141748. Chino Colorado.

141754. Java Barba Azul.

141749. E.A.S. No. 3.

141755. Mejicano.

141750. Fortuna Negro.

141756. Nira.

141751. Fortuna Mulato.

141757. Tambo.

141752. Honduras.

141758. Valencia.

141753. Jamaica.

141759. Vialone.

141760. Carica Papaya L. Papayaceae.

Papaya.

From Honduras. Seed presented by Edward T. Stanwood, Lancetilla. Received May 19, 1941.

141761. Prestonia mollis H. B. K. Apocynaceae.

From Ecuador. Seeds collected by H. L. Blood, Agricultural Experiment Station, Logan, Utah. Received May 26, 1938. Numbered May 21, 1941.

No. 602. From Pasaje, Province of El Oro, April, 1938. A woody twiner, with opposite, petiolate, ovate-oblong, subcordate leaves $2\frac{1}{2}$ to 3 inches long and large, showy, salver-shaped yellow flowers. Native to tropical South America.

141762. SACCHARUM. Poaceae.

Sugarcane.

From India. Cuttings presented by the Central Farm, Pyinamana, Burma. Received May 24, 1941.

Pyinmana Red Sugarcane.

141763 and 141764. Hibiscus. Malvaceae.

From Florida. Plants growing at the United States Plant Introduction Garden, Coconut Grove. Numbered in May, 1941.

141763. A hybrid variety. The flower is 5 to 6 inches or more in diameter, circular, flat; petals very broad, full, and overlapping, the overlapping edge crimped; color Antimony yellow (Ridgway) to paler, with white center flushed pink at base of petals; column white, thick, and stiff; stigma Nepal red to Brazil red. The plant is of moderate vigor, but cuttings root with much difficulty.

141764. David May. This attractive flower is 7 inches in diameter, with moderately full petals, which are white, very close to yellow, but which in the newly opened flower are touched with purplish pink; this color fades out later in the day. The stigmas range from lemon to yellow. Cuttings root with some difficulty, and the variety is best propagated by grafting.

141765. Ficus columnaris C. Moore & F. Muell. Moraceae.

From Australia. Seed presented by H. Wenholz, Department of Agriculture, Sydney' New South Wales. Received May 24, 1941.

A tree of the banyan type, native to Lord Howe Island, having up to a hundred stems formed from aerial roots. It is said to bear some resemblance to *Ficus macrophylla*. The domelike top of the tree, resting on these stems, is covered with dark evergreen foliage.

141766 to 141809. Rhododendron. Ericaceae.

From Maryland. Plants originated at the United States Plant Introduction Garden, Glenn Dale. Numbered May 29, 1941.

141766. Dimity. Early, up to 6 feet high; flowers white, slightly flaked and striped with brick red.

141767. Limerick.

141768. Mayourneen.

141769. Caress.

141770. Alabaster. Late, of medium height; habit somewhat spreading; flowers hose-in-hose, white with occasional pink flecks.

141771. Stardust. Midseason, tall, erect; in effect a "late white Kaempferi."

141772. Minuet. Early, tall, erect; flowers $1\frac{1}{2}$ to 2 inches across, white, slightly flaked with magenta.

141773. Juneglow.

141774. Geisha. Flowers white with occasional purple lines.

141775. Fantasy. Early, of medium height and rather spreading; flowers white, broadly rayed and striped with dull red, occasionally entirely red.

141766 to 141809—Continued

141776. Carmel. Early, tall; flowers single, 2 inches across, Spinel red with blotch of Indian-red dots.

141777. Pixie. Early, medium tall; flowers rather small, starlike with revolute lobes, white ground with a central ray of Spinel pink and Spinel red blotch on upper lobe.

141778. [No special data.]

141779. Festive.

141780. Dayspring. Early, erect; flowers like large Kurume's, single, white center shading gradually to clear pale pink.

141781. Jubilant. Midseason, of moderate height, spreading; flowers hose-in-hose, salmon pink.

141782. Candlelight.

141783. Melanie. Late; flowers bright salmon to coppery old rose with darker markings.

141784. Romance.

141785. Epilogue.

141786. Satin Robe.

141787. Pirate.

141788. Fashion. Midseason; flowers hose-in-hose, salmon.

141789. Magic.

141790. Pastel.

141791. Samite. Late; flowers hose-in-hose, white.

141792. Caprice. Midseason, of moderate height, upright; flowers white, rayed and flaked with coral red.

141793. Mayflower. Flowers hose-in-hose, light salmon pink.

141794. Lullaby.

141795. Pontiff.

141796. Alexandria.

141797. Jongleur. Late; flowers very large, fuchsine purple with dark spots.

141798. Horus.

141799. Touchstone.

141800. Kenwood.

141801. Berceuse.

141802. Lustre.

141803. Delos.

141804. Naxos. 141805. Archer.

141806. Aries.

141807. Ranger.

141808. Mountebank.

141809. Fénelon.

141810. Caesalpinia spinosa (Mol.) Kuntze. Caesalpiniaceae.

From Peru. Seed donated by F. H. Analt, Bureau of Foreign and Domestic Commerce, United States Department of Commerce. Received May 29, 1941.

Tara. A tall, upright spiny shrub or small tree, often used as a hedge in Peru. The foliage is deep green with the leaflets smooth and polished on the upper surface. The greenish-yellow flowers, in cylindrical open spikes, are not very conspicuous, but the pods are produced in large clusters and the exposed surfaces show bright scarlet for a long time before maturing. The pods contain a high percentage of tannin.

For previous introduction see 138416.

141811 to 141814.

From California. Bulbs purchased from Dr. T. H. Goodspeed, University of California, Berkeley. Received June 6, 1941.

141811 and 141812. (Undetermined).

141811. An amaryllidaceous plant from Peru.

141812. An amaryllidaceous plant.

141813. Crocopsis fulgens Pax. Amaryllidaceae.

No. 39-1039.

141814. HIPPEASTRUM CHILENSE (Ruiz & Pav.) Baker. Amaryllidaceae.

141815 to 141819. Gossypium. Malvaceae.

Cotton.

From Peru. Seeds presented by C. Saettone, Canete. Received June 6, 1941.

Tanguis seed cotton, hairy types.

141815. No. 224.

141818. No. 308.

141816. No. 225.

141819. No. 491.

141817. No. 307.

141820. Adenocalymna alliaceum (Lam.) Miers. Bignoniceae.

From Puerto Rico. Seed presented by H. T. Cowles, Professor of Horticulture, College of Agriculture and Mechanic Arts, University of Puerto Rico, Mayaguez. 'Received May 29, 1941.

An excellent tropical climber, growing to about 40 feet long with 5 to 6 large clusters of lavender flowers each year. Native to tropical South America.

141821 to 141865.

From Brazil. Seeds presented by Dr. Edmundo Navarro de Andrade, Rio Claro, São Paulo. Received May 27, 1941.

A collection of seeds from trees that grew well at Rio Claro.

141821. Eucalyptus triantha Link (E. acmenioides Schauer). Myrtaceae.

141822. EUCALYPTUS ALBA Reinw.

White Gum. A tall, evergreen tree, with ash-colored, rough, persistent bark and glaucous leaves, varying from ovate-oblong and 3 inches long to ovate-lanceolate and 6 inches long. The small white flowers are in panicles at the ends of the branches, and the top-shaped fruits are $\frac{1}{2}$ inch in diameter. It is native to New Guinea and Java, and has been successfully established in Brazil, where it is considered of much value.

For previous introduction see 136427.

141823. Eucalyptus angulosa Schauer.

A desert shrub or small tree native to Australia, up to 25 feet high, with lanceolate to ovate-lanceolate, rather obtuse leaves 2 to 4 inches long. Flowers and fruits variable in size, the fruits up to $\frac{3}{4}$ inch across. For trial in the milder parts of southern California and the Southwest.

141824. Eucalyptus botryoides J. E. Smith.

Bangalay.

A tall handsome tree, native to Australia, with beautiful dark-green horizontal lanceolate leaves, umbels of small sessile white flowers, and obovate fruits. In Australia it is used as a windbreak and as a shade tree. The wood is hard, tough, and durable.

For previous introduction see 118380.

141825. EUCALYPTUS CAPITELLATA J. E. Smith.

Stringy Bark. A large tree, native to Australia, with dark-gray, furrowed, fibrous bark and thick, shining, sword-shaped leaves 3 to 6 inches long. The small sessile flowers are in axillary clusters of 5 to 10, and the depressed-globose fruits, nearly half an inch in diameter, have a prominent reflexed rim.

For previous introduction see 93229.

141826. Eucalyptus citriodora Hook.

For previous introduction see 135474.

141827. EUCALYPTUS GUMMIFERA (Gaertn.) Hochr. (E. corymbosa J. E. Smith).

A medium-sized evergreen tree, native to Australia, with leathery, lanceolate leaves and large corymbs of fragrant yellowish-white flowers.

For previous introduction see 132627.

141828. Eucalyptus crebra F. Muell.

Narrowleaf ironbark.

A slender tree of pleasing aspect, growing about 100 feet high, with a trunk commonly straight and even, 2 to 3 feet in diameter. The bark is rough and persistent and the wood reddish. The tree is adapted to a variety of climatic conditions, enduring minimum temperatures of 18° to 20°F., and is said to be content with poor soil. On account of its tough and elastic character and its durability underground, the timber is useful for a great variety of purposes. It is one of the highly valued timber trees of Australia.

For previous introduction see 36619.

141829. Eucalyptus Eugenioides Sieber.

A tall tree, native to New South Wales, with fibrous bark, thick oblique leaves 2 to 6 inches long, flowers in axillary clusters of 6 to 12, and ovoid fruits 1/4 inch in diameter.

141830. Eucalyptus eximia Schauer.

A large tree, native to New South Wales, with scaly bark, falcate-lanceolate leaves, white flowers, and urn-shaped fruits. The wood is soft and used only for fuel. It is a stately tree and very beautiful when in full bloom.

For previous introduction see 75627.

141831. Eucalyptus exserta F. Muell.

A medium-sized tree with rough, fissured, ash-brown bark, sword-shaped leaves 3 to 6 inches long, axillary clusters of 3 to 8 flowers on long pedicels, and nearly globular fruits ½ inch in diameter.

For previous introduction see 90694.

141832. EUCALYPTUS Sp.

Introduced under the name of "grandiflora," for which a place of publication has not been found.

141833. EUCALYPTUS HAEMASTOMA J. E. Smith.

A large tree, with a smooth mottled trunk, coriaceous, lanceolate-falcate leaves, small white flowers in axillary clusters of small terminal panicles, and small globular or pear-shaped fruits less than ½ inch in diameter.

For previous introduction see 132628.

141834 and 141835. X EUCALYPTUS KIRTONIANA F. Muell.

For previous introduction see 41623.

141836. Eucalyptus linearis Dehnh.

A graceful shade tree 20 to 50 feet high, with deciduous bark that leaves the tree smooth and white throughout. Native to Tasmania, where the tree is reported to grow in poor, light soils.

141837. Eucalyptus longifolia Link.

Woollybutt.

For previous introduction see 24408.

141838. Eucalyptus camaldulensis Dehnh. (E. longirostris F. Muell).

A tall Australian tree, up to 200 feet high, with smooth dark-gray bark, narrowly lanceolate leaves 6 inches or more long, stalked umbels of small flowers attractive to bees, and globular fruits with conical tops. The heavy red wood is durable both above and below the ground and is used for railroad ties, piles, and fence posts.

For previous introduction see 77610.

141839. EUCALYPTUS MACULATA Hook.

A tall tree with smooth light-colored bark, deciduous in large patches. The timber is useful for tool handles, building, and as a general hardwood. The species is adapted to the coast ranges in Australia and occurs in sandy clay and deep loamy soils.

141840. Eucalyptus melanophloia F. Muell.

A small tree with persistent, dark-furrowed bark and sessile, orbicular to ovate-lanceolate, glaucous or white-mealy leaves.

141841. Eucalyptus melliodora A. Cunn.

Honey gum.

Yellow Box Gum. A spreading tree up to 150 feet high, with drooping branches, narrow lanceolate leaves 3 to 5 inches long, and small white flowers particularly rich in nectar. The timber is used in Australia by wheelwrights and shipbuilders.

141842. Eucalyptus microcorys F. Muell.

A tall tree, with persistent wrinkled bark, thin, broadly lanceolate leaves, and small white flowers. The yellowish timber is especially useful for ballroom floors because of its greasy nature. Native to Australia.

For previous introduction see 123777.

141843. EUCALYPTUS Sp.

Introduced as Eucalyptus microphylla, a name of doubtful botanical position.

141844. EUCALYPTUS OBLIQUA L'Her.

Messmate gum.

For previous introduction see 75640.

141845. EUCALYPTUS OBTUSIFLORA DC.

A shrub or small tree, with stringy bark and thick, rather broad, shining leaves.

141846. EUCALYPTUS.

Var. oranensis. A supposed natural hybrid variety, originating in Algeria, received as Eucalyptus occidentalis var. oranensis, one of the parents of which is believed to be E. occidentalis. It is reported to be a tree of fine appearance, with the flowers and capsules borne on long, slender peduncles and pedicels.

141847. EUCALYPTUS PANICULATA J. E. Smith.

For previous introduction see 75642.

141848. Eucalyptus pauciflora Sieber.

White-gum.

An Australian tree, 10 feet in height and about 4 feet in diameter. It grows well in swampy lowlands, and the timber is used for general building purposes.

For previous introduction see 124640.

141849. X EUCALYPTUS PAULISTANA Navarro.

A hybrid between Eucalyptus globulus and E. robusta, the detailed characters of which are not known.

141850. EUCALYPTUS PILULARIS J. E. Smith.

Blackbutt.

A slender tree, reported to average 100 to 150 feet high, with a trunk diameter of 3 to 5 feet. The bark of the trunk is dark gray, rough, and partially persistent. It is considered one of the best of all-purpose timbers and is reported to be especially valuable for fence posts and telegraph poles. The honey from the flowers is reported to be of especially good quality. In California the tree grows well near the coast but does not thrive in the dry, hot interior valleys.

141851. Eucalyptus polyanthemos Schauer.

Redbox.

For previous introduction see 38722.

141852. Eucalyptus propinqua Deane and Maiden.

A large tree, 120 feet high and 5 feet in diameter, native to New South Wales. The lanceolate leaves are 5 inches long, and the timber is durable either in or out of the ground.

For previous introduction see 75647.

141853. EUCALYPTUS PUNCTATA DC.

Leatherjacket.

A medium-sized tree of spreading habit, especially when young, attaining in Australia a height of about 100 feet. The species thrives at and near the coast but does not do well in the dry interior. The wood of this tree is tough, hard, closegrained, and very durable. It is useful for fence posts, railway ties, and other purposes.

141854. Eucalyptus redunca Schauer.

A shrub or tree which reaches a height of 120 feet in Western Australia where it is native. It furnishes a pale, hard, particularly tough and durable timber, much prized for building purposes, various implements, and other items. The seasoned wood weighs about 70 pounds per cubic foot.

For previous introduction see 75648.

141855. Eucalyptus regnans F. Muell.

An Australian tree, up to 325 feet high. The trunk is very straight and whitish, and the narrow leaves, shining on both sides, are of rather thin texture. The wood is well adapted for shingles, planking, and general construction.

For previous introduction see 75649.

141856. Eucalyptus resinifera J. E. Smith.

Mahogany gum.

A large tree with rough, reddish, fibrous bark persistent to the small branches. The heavy timber is a rich red and is said to be strong and durable; because of the color the tree is also called "red mahogany."

For previous introduction see 38724.

141857. EUCALYPTUS ROBUSTA J. E. Smith.

Brown gum.

A handsome, symmetrically branched tree of moderate height, with bark of trunk persistent, rough, dark brown, and that of the branches reddish. It would be of value also as a street tree but for the brittle wood and heavy foliage, which cause breaking of the top in heavy winds. It is adapted to a moist atmosphere but also flourishes in a dry one when sufficient water is given, but it does not endure heavy frosts.

For previous introduction see 28682.

141858. EUCALYPTUS RUDIS Endl.

Desert gum.

A rapid-growing tree attaining a height of 50 to 75 feet. The grayish bark of the trunk is usually rough and persistent but sometimes flakes off. In Australia the tree grows naturally near streams, while in our Southwest, when supplied with water, it has thrived near the coast, on dry mesas, and in the hot valleys of the interior; it has endured minimum temperatures of 15° to 18° F. and maximum temperatures of 110° to 118°.

For previous introduction see 24411.

141859. EUCALYPTUS SALIGNA J. E. Smith.

A tall tree with silvery-gray bark, native to New South Wales. The narrowly lanceolate leaves are 4 to 6 inches long, and the clusters of four to eight white flowers are on short peduncles.

For previous introduction see 75650.

141860. Eucalyptus stuartiana F. Muell.

Apple gum.

A stocky, erect tree that becomes 30 to 40 feet high, with a trunk 1 foot in diameter, and drooping foliage. It is closely related to *Eucalyptus viminalis*. The timber is hard but, not being straight-grained, is difficult to split. It is used for fence nosts and fuel

For previous introduction see 133137.

141861. Eucalyptus tereticornis J. E. Smith.

Slaty gum.

For previous introduction see 118382.

141862. × Eucalyptus trabuti Vilm.

A remarkable hybrid between *Eucalyptus botryoides* Sm. and *E. rostrata* Schlecht., discovered by L. Trabut. The characters of the leaves are intermediate; the capsules could not well be more nearly intermediate. The great value of this hybrid is in its unusually rapid growth.

For previous introduction see 63581.

141863. Eucalyptus umbra R. T. Baker.

A small to moderately large tree, with thick, coarse, fibrous, persistent bark and alternate thick, shining, lanceolate to falcate-lanceolate mature leaves. The timber is inferior. In Australia this tree grows on poor saline flats and ridges in proximity to salt water.

141864. Eucalyptus viminalis Labill.

Manna gum.

A graceful Australian tree up to 300 feet high, with rough bark from which exudes the bonelike substance that gives the tree its name of manna gum. The leaves are lanceolate and falcate; the white flowers are in threes and are attractive to bees; and the fruits are flattened globose with sharp-pointed tops. The wood is used only for rough building purposes.

For previous introduction see 77612.

141865. EUCALYPTUS Sp.

141866. Vigna sinensis (Torner) Savi. Fabaceae.

Cowpea.

From Nigeria. Seeds presented by the Director of Agriculture, Department of Agriculture, Obadan. Received May 28, 1941.

Yawa.

141867 to 141877.

From Canada. Trees purchased from the Manitoba Hardy Plant Nursery, Dropmore, Manitoba. Received May 21, 1941.

141867. Malus sp. Malaceae.

Adam.

141868 to 141871. Malus sylvestris Mill.

Apple.

141868. Battleford No. 1.

141869. Blushred Calvilla Hybr. No. 2.

141870. Northern Queen × Cranberry Pippin.

141871. Red Apple.

141872. MALUS Sp.

Red Siberian.

141873. MALUS Sp.

Sougog.

141874. Malus sylvestris Mill.

Apple.

Skinner's Hybrid No. 1-38.

141875. Malus sp.

Sylvia.

141876 and 141877. Pyrus communis L.

Common pear.

Apricot.

141876. Pioneer.

141877. Tait-Dropmore.

141878 to 141882.

From Manchuria. Seed presented by L. Ptitsin, Harbin. Received June 3, 1941.

141878 and 141879. Prunus Armeniaca L. Amygdalaceae.

141878 to 141882—Continued

141878. Cultivated.

141879. Cultivated. A superior strain.

141880 and 141881. PRUNUS MANDSHURICA (Maxim.) Koehne.

141880. Cultivated; from Syaolin Station, east of Harbin.

141881. Wild; from Syaolin Station, east of Harbin.

141882. Prunus sibirica L.

Siberian apricot.

Wild; from Lahassusu Station, west of Harbin.

141883 to 141885.

From Brazil. Seed received from the Botanic Garden, Rio de Janeiro, through F. G. Walsingham, Atkins Institution of the Arnold Arboretum, Cienfuegos, Cuba. Received June 4, 1941.

141883. Acacia sp. Mimosaceae.

Introduced as Cassia nigra, but the seeds are not of that genus.

141884. Cassia fastuosa Vog. Caesalpiniaceae.

141885. Barbieria pinnata (Pers.) Baill. Fabaceae.

141886 and 141887.

From Manchuria. Seed presented by L. Ptitsin, Harbin. Received May 27, 1941.

141886. Prunus sp. Amygdalaceae.

Plum.

Local mixed varieties.

141887. PRUNUS GLANDULOSA Thunb.

Flowering almond.

141888. Albizzia adinocephala (J. D. Sm.) Britton & Rose. Mimosaceae.

From Cuba. Seed presented by F. G. Walsingham, Atkins Institution of the Arnold Arboretum, Cienfuegos. Received June 7, 1941.

A small unarmed tree, with rather small compound leaves composed of one or two pairs of lanceolate leathery leaflets 1 or 2 inches long, and flower heads in terminal panicles about 4 inches long. Native to Costa Rica.

For previous introduction see 103026.

141889 and 141890. Coix lacryma-jobi var. ma-yuen (Rom.) Stapf. Poaceae. Adlav.

From Panama. Seeds presented by Charles L. Luedtke, United States Agricultural Attaché, American Embassy. Received June 13, 1941.

141889. Adlay wheat, No. 2.

141890. Adlay wheat, No. 3.

141891 to 141896.

From England. Seeds presented by C. D. Bell, School of Agriculture, Cambridge. Received June 11, 1941.

141891. PISUM ELATIUS Bieb. Fabaceae.

Pea.

141892 to 141895. PISUM SATIVUM L.

Pea.

141892. 13/134.

141894. 16/134.

141893. 14/1934.

141895. 545¹/38.

141896. PISUM Sp.

Pea.

A cultivated variety from Tibet.

141897. Urginea maritima (L.) Baker. Liliaceae. Sea-onion.

From New York. Bulbs purchased from S. B. Pennic & Co., New York. Received June 19, 1941.

Red variety.

141898 to 141911. Rhododendron. Ericaceae.

From Maryland. Plants originated at the United States Plant Introduction Garden, Glenn Dale. Numbered June 20, 1941.

141898. Aphrodite. Flowers rose pink.

141899. Picador. Midseason, of moderate height, rather spreading; flowers brilliant orange red, burns in full sun.

141900. Anchorite. Late, of medium height, rather spreading; flowers 2 inches across, rose with orange undertone.

141901. Greeting. Midseason, of medium height, rather spreading, very floriferous; flowers coral rose, with edges of lobes somewhat wavy.

141902. Revery. Late, of medium height, rather spreading, mucronatum type (indica alba), but flowers very nearly circular in outline, pale rose with no blotches.

141903. Buccaneer. Midseason, of medium height, rather spreading; flowers brilliant red, but with darker blotch than Tanager; burns in full sun.

141904. Pilarim.

141905. Joya. Late, of medium height, with mucronatum habit; flowers brilliant rose pink, large.

141906. Trilby.

141907. Tanager. Late; flowers large, fuchsine pink with darker spots.

141908. Glamour. Late, of medium height, rather spreading; flowers very brilliant rose red.

141909. Remembrance.

141910. Gaiety. Late, of medium height, rather spreading; flowers bright clear pink with a rather heavy blotch of deep rose red.

141911. Opera.

141912. Triticum aestivum L. Poaceae.

Common wheat.

From Australia. Seed presented by A. T. Pugsley, Assistant Plant Geneticist, University of Adelaide, Waite Agricultural Research Institute, Adelaide, South Australia. Received June 23, 1941.

Nabawa \times Hope.

141913. Allium sp. Liliaceae.

Onion.

From Brazil. Bulbs presented by Erwin P. Keeler, Agricultural Attaché, American Embassy, Rio de Janeiro. Received June 23, 1941.

141914 and 141915.

From Florida. Plants presented by Mrs. Clifford C. Cole, Coconut Grove. Numbered June 24, 1941.

141914. Habranthus robustus Herb. (Zephyranthes robusta (Herb.) Baker).

A variety with white flowers, flushed with pale amaranth pink (Ridgway), up to $3\frac{1}{2}$ inches across. The leaves are 18 inches long and $\frac{1}{2}$ inch broad.

141915. Cooperia pedunculata Herb. Amaryllidaceae. Zephyrlily.

A zephyrlily, with leaves a foot or more long and about a quarter of an inch wide, and a scape with flower reaching a height of 11 inches. The flower, measuring 2½ inches across, is clear white, with the tips of the outer perianth segments touched with cream on the outer, or lower, surface. It closely resembles Zephyranthes carinata.

141916 to 141975.

From Manchuria. Bulbs and seeds presented by L. Ptitsin, Harbin. Received June 18, 1941.

Unless otherwise mentioned, the material was introduced as seeds.

141916 to 141975—Continued

141916. ALLIUM SATIVUM L. Liliaceae.

Garlic.

No. 1. Bulbs.

141917. APIUM GRAVEOLENS L. Apiaceae.

Celery.

Chinese Green celery.

141918 to 141923. Beta vulgaris L. Chenopodiaceae.

Common beet.

141918. No. 1. Early, red.

141921. No. 1. Late, red.

141919. No. 2. Early, red.

141922. No. 2. Late, red.

141920. No. 3. Early, red.

141923. No. 3. Late, red.

141924. Brassica oleracea var. botrytis L. Brassicaceae.
An early variety.

Cauliflower.

141925. Brassica oleracea var. capitata L.

Cabbage.

Red.

141926 to 141928. Capsicum frutescens L. Solanaceae.

Redpepper.

Chinese, hot varieties.

141926. No. 1.

141927. No. 2.

141928. No. 3.

141929 to 141934. CITRULLUS VULGARIS Schrad. Cucurbitaceae. Watermelon.

141929. No. 1. Early.

141932. No. 1. Chinese.

141930. No. 2. Early.141931. No. 3. Early.

141933. No. 2. Chinese. 141934. No. 3. Chinese.

141935 to 141938. Cucumis melo L.

Muskmelon.

141935. No. 1. Chinese, sweet.141936. No. 2. Chinese, sweet.

141937. No. 3. Chinese, sweet.141938. Siberian, sweet.

141939 to 141952. Cucumis sativus L.

Cucumber.

Numbers 141939 to 141942 are of Chinese origin.

141939. No. 1.

141940. No. 2.

141941. No. 3.

141942. No. 4.

141943. No. 1. Russian.

141944. No. 4. A short, Russian variety.

141945. Murmansk. A small, round Russian sort.

141946. No. 2. Siberian.

141947. No. 3. Siberian.

Numbers 141948 to 141952 are of Japanese origin.

141948. No. 1.

141949. No. 2.

141950. No. 3.

141951. No. 4.

141952. No. 5.

141953. CUCURBITA MAXIMA Duchesne. Cucurbitaceae.

Squash.

No. 3. Green squash.

141916 to 141975—Continued

141954. CUCURBITA MOSCHATA Duchesne.

Cushaw.

No. 2.

141955 to 141958. CUCURBITA PEPO L.

Pumpkin.

141955. No. 1. A very large variety.

141957. No. 2. Chinese.

141956. No. 1. Chinese.

141958. No. 3. Chinese.

141959 and 141960. DAUCUS CAROTA L. Apiaceae.

Carrot.

141959.

141960. A long, red Chinese carrot.

141961 and 141962. LACTUCA SATIVA L. Chicoriaceae.

Garden lettuce.

Chinese head lettuce.

141963. Lycoperscion esculentum Mill. Solanaceae.

Tomato.

A Chinese variety.

141964. Pastinaca sativa L. Apiaceae.

Parsnip.

A variety with large roots.

141965. Phaseolus vulgaris L. Fabaceae.

Common bean.

Chinese bush bean.

141966. PISUM SATIVUM L.

Pea.

A Chinese, garden variety.

141967. RHEUM UNDULATUM L. Polygonaceae.

Rhubarb.

A very hardy variety.

141968 to 141970. Solanum melongena L. Solanaceae.

Eggplant.

141968. No. 1. Chinese.

141969. No. 2. Chinese.

141970. No. 3. Chinese, white.

141971 to 141974. Spinacia oleracea L.

Common spinach.

Nos. 141971 to 141974 are of Chinese origin.

141971. No. 1.

141973. No. 3.

Chenopodiaceae.

141972. No. 2.

141974, No. 4.

141975. ZEA MAYS L. Poaceae.

Corn.

A very early-maturing sweet corn.

141976. CITRUS sp. Rutaceae.

From the Fiji Islands. Seed collected by Otto Degener, Arnold Arboretum, Jamaica Plain, Massachusetts. Received June 24, 1941.

From Belo, $1\frac{1}{2}$ miles from Valukarasa, Viti Leon, May 15, 1941. A native species with thick-skinned edible fruits.

141977 and 141978.

From California. Seed presented by William Hertrich, Huntington Botanical Gardens, San Marino. Received in July and October, 1940. Numbered July 7, 1941.

141977. Acacia melanoxylon R. Br. Mimosaceae.

Blackwood acacia.

141978. AGAPANTHUS AFRICANUS (L.) Hoffmannsegg. Liliaceae.

141979 to 142011.

From the Belgian Congo. Seed presented by A. Beirnaert, Director of the Yangambi Experimental Station, Yangambi. Received June 27, 1941.

141979 to 141992. Sorghum vulgare Pers.	Poaceae.	Sorghum.
141979. No. 1.	141986. No. 31.	
141980. No. 8.	141987. No. 40.	
141981. No. 9.	141988. No. 41.	
141982. No. 12.	141989. No. 66.	
141983. No. 15.	141990. No. 70.	
141984. No. 20.	141991. No. 72.	
141985. No. 23.	141992. No. 85.	
141993 to 142011. ZEA MAYS L.		Corn.
141993. No. 2430.	142003. No. 2754.	
141994. No. 2438.	142004. No. 2555.	
141995. No. 2500.	142005. No. 2759.	
141996. No. 2503.	142006. No. 2568.	
141997. No. 2509.	142007. No. 2570.	
141998. No. 2510.	142008. No. 2572.	•
141999. No. 2513.	142009. No. 2547.	
142000. No. 2548.	142010. No. 2752.	
142001. No. 2750.	142011. No. 2756.	
142002. No. 2553.		

142012 to 142029.

From the Union of Soviet Socialist Republics. Seed presented by G. N. Shlykov, Chief of the Department of Plant Introduction, Institute of Plant Industry, Leningrad. Received June 27, 1941.

142012. AGROPYRON ELONGATUM (Host) Beauv. Poaceae.

Grass.

No. 20102. From Odessa Province.

142013. ASTRAGALUS AMYGDALINUS Bunge. Fabaceae.

No. 12234. From South Kasakhstan.

142014 to 142016. Astragalus uliginosus L.

142014. No. 13223. From West Siberian Province.

142015. No. 18878. From Tevrigski region.

142016. No. 18879. From the Tarsk Expedition.

142017 to 142019. Festuca ovina ssp. sulcata Hack. Poaceae. Grass.

142017. No. 12088. From Azerbaijan.

142018. No. 14050. From the central Volga region.

142019. No. 15907. From Ural Province.

142020. FESTUCA Sp.

No. 12050. From Kasakhstan,

142021. MEDICAGO COERULEA Ledeb. Fabaceae.

No. 12820. From Daghestan, Kisliar Region.

142022 and 142023. MEDICAGO HEMICYCLA Grossheim.

142022. No. 16720. From Transcaucasia, Agbulakh.

142023. No. 16651. From Armenia.

142012 to 142029—Continued

142024. MELILOTUS WOLGICA Poir. Fabaceae.

Sweetclover.

No. 11455. From Ural, Okhansk.

142025. Onobrychis Biebersteinii Sirjaev. Fabaceae.

No. 16560. Grown in Kursk Province; originally from Paraguay.

142026. Onobrychis oxytropoides Boiss.

No. 15415. From Armenia.

142027. Trifolium ambiguum Bieb. Fabaceae.

Clover.

No. 22021. Originally from North Caucasus, Thuntuk.

142028. VICIA SATIVA L. Fabaceae.

Common vetch.

No. 1579. Originally from Blagovestchensk, Far Eastern Republic.

142029. VICIA VARIABILIS Freyn & Sint.

No. 3176. Originally from Temipalatinsk, Kasakhstan Province. A herbaceous perennial with ascending stems, linear-lanceolate leaflets, and blue or purplish flowers in a dense raceme. Native to Armenia.

For previous introduction see 108743.

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