

376024. to 376049.

From Brazil. Seed collected and presented by Barbara Pickersgill, Department of Agricultural Botany, University of Reading, Reading, England. Received August 1, 1972.

376024. GOSYPIUM BARBADENSE L. Malvaceae. Sea-island cotton.

RU72-437. 'Kidney cotton'. Western suburbs 3 km. from Recife, Pernambuco. Seed samples from perennial backyard cotton. Tree cotton used by poor people for local domestic use. Elevation 10 m. April 1972.

376025 to 376039. GOSYPIUM HIRSUTUM L. Upland cotton.

376025. RU72-104. 'Herbaceo, Saca III'. Curaca, Bahia. Annual cotton grown under irrigation on fazenda 2 to 3 km. up river from Curaca. Leaves damaged by *Alabama argillaceae*, some bollworm damage. Plants flowering at low nodes. Elevation 340 m. February 1972.

376026. RU72-205. 'Verdao'. Fifteen km. from Barbalha on Arajara road, Ceara. Seed from two small hairy plants with unspotted pale yellow flowers growing in a perennial cotton plantation. Seed with greenish fuzz. Elevation 450 m.

376027. RU72-207. Ten km. from Barbalha, 2 km. along turning off Barbalha to Arajara road, Ceara. Seed supplied by local Secretaria de Agricultura in Barbalha. Much morphological variation apparent in field. Seed sample from single plant bearing a particularly heavy crop with bolls maturing about the same time. Plant about 10 to 15 m. tall, indeterminate branching, fruit borne at seventh node of first lateral branch. Seed fuzz green. Elevation 600 m. February 1972.

376028. RU72-208. 'Herbaceo and Verdao'. Ten km. from Barbalha on Arajara road, Ceara. Sample of seed used to plant field which provided accession P.I. 376027. Seed obtained from owner of field but said to have been bought the previous year from the Secretaria de Agricultura in Barbalha. Seeds predominantly with white fuzz, but some green fuzz and naked seed. Elevation 600 m. February 1972.

376029. RU72-209. 'Herbaceo'. Barbalha, Ceara. Sample of annual cotton seed from Secretaria de Agricultura. Seed all white fuzz type. Said to be first year that Secretaria de Agricultura has distributed pure seed. Elevation 600 m. February 1972.

376030. RU72-258. 'Herbaceo and Verdao'. Jucas, Ceara. Bulk seed sample randomly gathered from field of annual cotton. Field mostly flat, soil reddish brown, sandy loam, well drained but probably fairly good water retention. Infested with boll worm, boll weevil and other unidentified insect pests. Flowers yellow, unspotted. Mixture of verdao and herbaceo types. Field sown January-February 1971. First harvest June 1971, second harvest March 1972, then field plowed up. Elevation 250 m. March 1972.

376031. RU72-326. 'Herbaceo'. Sobral, Ceara. Seed sample bought from Secretaria de Agricultura. Mixture of white and green fuzz. Said to be locally grown in Ceara. Elevation 75 m. March 1972.

376032. RU72-338. 'Verdao'. Fazenda Terra d'Esperanza, Rio Grande do Norte. Sample from seed used to sow crop at Fazenda, obtained from Municipio Tangara. Unselected mixture of green fuzz, white fuzz and naked seeds. Grown as a perennial, retained for about 3 years. Fibre length said to be intermediate between moco and herbaceo. Elevation 30 m. March 1972.

376033. RU72-339. 'Herbaceo var. IAC-13'. Fazenda Terra d'Esperanza, Rio Grande do Norte. Sample from seed used to sow crop on Fazenda. More or less homogeneous, white fuzz. Some seeds fuzz with slightly greenish tinge. Seed grown in Pitoes, Alexandria, Rio