

**54333 to 54335. ANDROPOGON spp. Poaceæ. Beard-grass.**

From Loanda, Angola, Africa. Seeds presented by J. Gossweiler, through H. A. Longworth, agricultural missionary, Angola Mission, Malanzhe, Angola. Received September 16, 1921.

"Grasses of Angola, which may be useful for forage." (*Longworth.*)

**54333. ANDROPOGON FASTIGIATUS Swartz.**

A slender erect smooth annual with flat narrow leaves. The freely branching culms bear broad racemes with conspicuous sterile spikelets and geniculate awns about 1½ inches long. Native to dry open ground from southern Mexico and the West Indies to Brazil. (Adapted from *Contributions from the National Herbarium, vol. 18, p. 279.*)

**54334. ANDROPOGON GAYANUS Kunth.**

A tall perennial with numerous flowering branches, rather stout racemes of reddish or brownish spikelets, and awns about an inch long bent in the middle. Native to Senegal. (Adapted from *Thiselton-Dyer, Flora of Tropical Africa, vol. 9, pt. 2, p. 261.*)

**54335. ANDROPOGON sp.**

Received as *Andropogon annulatus.*

**54336 to 54341. ORYZA SATIVA L. Poaceæ. Rice.**

From Saigon, Cochin China. Seeds presented by M. E. Carle, director, Laboratoire de Genetique, Institut Scientifique de l'Indochine. Received September 13, 1921. Notes adapted from *Bulletin Agricole, de l'Institut Scientifique de Saigon, vol. 2.*

**54336. Cadung.** A variety of the Gocong type, a fine grain maturing January 30, after a growing period of 152 days. Yield 1,652 kilograms per hectare (1,475 pounds per acre). (*P. 43.*)

**54337. Cadung-da.** Sown on June 14, flowered December 25, harvested March 7, after about 266 days of growth. Yield 1,080 kilograms per hectare (900 pounds per acre). (*P. 41.*)

**54338. Cadung Vinhlong.** A variety of the Gocong type. Maturity is February 17 to 25, after a growing season of 183 to 235 days from the date of sowing. The yield is 1,664 to 3,600 kilograms per hectare (1,485 to 3,213 pounds per acre). (*P. 42.*)

**54339. Tam vuóc.** Of the Gocong type. The growing period is 164 to 179 days, and the yield 1,117 to 1,304 kilograms per hectare (997 to 1,165 pounds per acre). (*P. 42.*)

**54340. Tau chén.****54341. Tra bac.****54342 and 54343. ECHINOCHLOA PYRAMIDALIS (Lam.) Hitchc. and Chase. Poaceæ. Grass.**

(*Panicum pyramidale* Lam.)

From Loanda, Angola, Africa. Seeds presented by J. Gossweiler, through H. A. Longworth, agricultural missionary, Angola Mission, Malanzhe, Angola. Received September 16, 1921.

"Grasses of Angola, which may be useful for forage." (*Longworth.*)

A smooth, sparingly branched, somewhat fleshy annual 7 feet tall, with elongate leaves and a long tapering panicle, the relatively slender branches ascending or slightly drooping. (Adapted from *Contributions from the National Herbarium, vol. 18, p. 345.*)

For previous introduction, see S. P. I. No. 51941.

**54342.** "An aquatic form 3 meters (10 feet) in height." (*Gossweiler.*)

**54343.** "A rhizomatous aquatic or semiaquatic form, up to 4 meters (13 feet) in height." (*Gossweiler.*)