

than those produced in more susceptible lines. Seed tan.

The following were developed by David J. Andrews, University of Nebraska, Department of Agronomy, Lincoln, Nebraska 68503, United States; S.C. Gupta, Int. Crops Res. Inst. for the Semi-Arid Tropics, Western and Central Africa Region, IITA Office, Sabo Bakin Zuwo Road, Kano, Kano, Nigeria; F.R. Muza, University of Florida, Department of Pathology, P.O. Box 110680, Gainesville, Florida 32611-0680, United States. Received 07/24/1996.

PI 595204. Eleusine coracana (L.) Gaertner

Genetic. Inbred. INFM 95001. GS-1. Pedigree - From a single male sterile plant found in M2 progeny derived from SDFM 63 (=IE3318 from Zimbabwe). Male sterile and fertile plants segregate in 1:1 ratio. At flowering, male sterile heads are easily detected as exerted and anthers are fewer in number, about one-fifth normal size and light cream color instead of creamy yellow. At grain maturity, open-pollinated male sterile heads exhibit incomplete seed set. Threshing percentage of fertile plants normal (74.4%), but lower in (13.9%) male sterile plants. Individual grain mass heavier (3.54mg) in male sterile plants than fertile plants (3.02mg). Mean plant height 1.29m, and time to 75% heading 94 days. Productive tillers per plant 6.35. Grains round and white. Seed dormancy present for 3-4 weeks after harvest.

The following were developed by J.M. Lasa, Aula Dei Experimental Station CSIC, Associated Laboratory for Agronomy and Environment, Dept. of Genetics and Plant Production, Zaragoza-50080, Spain; P. Gracia, Estacion Experimental de Aula Dei, CSIC, Avda. Montanana 177, P.O. Box 202, Spain; E. Igartua, Aula Dei Experimental Station CSIC, Associated Laboratory of Agronomy and Environment, Dept. of Genetics and Plant Production, Zaragoza-50080, Spain; C. Perez-Pena, Aula Dei Experimental Station CSIC, Associated Laboratory for Agronomy and Environment, P.O. Box 202, Zaragoza-50080, Spain. Received 09/24/1996.

PI 595205. Sorghum bicolor (L.) Moench

Breeding. Population. AD9B(MS1)C2. GP-401. Pedigree - Composite population derived from NP12B(S1)C2. Segregates for ms3 genetic male sterility. Selected for grain production and good agronomic characters under limited irrigation. Early-medium maturity. Endosperm yellow. Three-dwarf height. Seed size small (22.9g per 1000 seed). Shows improved grain yield compared with source population.

PI 595206. Sorghum bicolor (L.) Moench

Breeding. Population. AD11B(MS1)C2. GP-402. Pedigree - Composite population derived from RP2B(S1)C3(ECB). Segregates for ms3 genetic male sterility. Selected for grain production and good agronomic characters under limited irrigation. Maturity medium. three-dwarf height. Seed size medium (27.4g per 1000 seed). Shows improved grain yield compared with source population.

PI 595207. Sorghum bicolor (L.) Moench

Breeding. Population. AD12R(MS1)C2. GP-403. Pedigree - Composite population derived from NP21R(M)C4. Segregates for ms3 genetic male sterility. Selected for grain production and good agronomic characters