

content averaged 3.9% 16:0 compared to Macon that averaged 10.2% 16:0. Maturity same as Macon, yielded 2630 kg/ha compared to 3190 kg/ha for Macon, and similar to Macon in mature plant height and lodging resistance.

The following were developed by Lynn M. Gourley, Mississippi State University, Box 9555, Mississippi State, Mississippi 39762, United States. Received 12/15/1997.

PI 599812. Sorghum bicolor (L.) Moench

Breeding. Pureline. MP 85; (B-Yel PI*(SEPON79-46*B1750)-7-1-1-1. Pedigree - [B-Yellow PI*((2219B*CS-3541)-3-1)*B1750]-7-1-1-1. Inbred 1 of 8 (Group 4). Food grain quality. Grain sorghum maintainer or B-line. Plant color tan, epicarp white, testa absent, panicle semi-open, exsertion approx. 8 cm., and seed weight 2.63 gm. 100 seed-1. In June plantings at Plainview, TX and Starkville, MS, days to 50% anthesis 70 and 67, and plant height 110 and 122 cm. respectively.

PI 599813. Sorghum bicolor (L.) Moench

Breeding. Pureline. MP 86; (B1399*(WTL D DER*SEPON79-52)-1-2-1-1. Pedigree - [B1399*(Wheatland Derivative*(SC-108-4-8*2219B)-32-1)]-1-2-1-1. Inbred 2 of 8 (Group 4). Food grain quality. Grain sorghum maintainer or B-line. Plant color tan, epicarp white, testa absent, panicle semi-open, exsertion approx. 15 cm., and seed weight 2.24 gm. 100 seed-1. In June plantings at Plainview, TX and Starkville, MS, days to 50% anthesis 64 and 63, and plant height 125 and 122 cm. respectively.

PI 599814. Sorghum bicolor (L.) Moench

Breeding. Pureline. MP 87; (B1399*(WTL D DER*SEPON79-52)-1-2-2-1. Pedigree - [B1399*(Wheatland Derivative*(SC-108-4-8*2219B)-32-1)]-1-2-2-1. Inbred 3 of 8 (Group 4). Food grain quality. Grain sorghum maintainer or B-line. Plant color tan, epicarp white, testa absent, panicle semi-open, exsertion approx. 20 cm., and seed weight 2.30 gm. 100 seed-1. In June plantings at Plainview, TX and Starkville, MS, days to 50% anthesis 70 and 72, and plant height 152 and 149 cm. respectively.

PI 599815. Sorghum bicolor (L.) Moench

Breeding. Pureline. MP 88; (B1399*(WTL D DER*SEPON79-52)-10-1-1-1. Pedigree - [B1399*(Wheatland Derivative*(SC-108-4-8*2219B)-32-1)]-10-1-1-1. Inbred 4 of 8 (Group 4). Food grain quality. Grain sorghum maintainer or B-line. Plant color tan, epicarp white, testa absent, panicle semi-compact, exsertion approx. 25 cm., and seed weight 2.19 gm. 100 seed-1. In June plantings at Plainveiw, TX and Starkville, MS, days to 50% anthesis 72 and 70, and plant height 110 and 98 cm. respectively.

PI 599816. Sorghum bicolor (L.) Moench

Breeding. Pureline. MP 89; (B1399*(WTL D DER*SEPON79-52)-10-1-2-1. Pedigree - [B1399*(Wheatland Derivative*(SC-108-4-8*2219B)-32-1)]-10-1-2-1. Inbred 5 of 8 (Group 4). Food grain quality. Grain sorghum maintainer or B-line. Plant color tan, epicarp white, testa absent, panicle semi-compact, exsertion approx. 20