recognition of its source as a matter of open record when the germplasm contributes to the development of a new cultivar or hybrid. Seed should be requested from the Department of Agronomy and Horticulture, Box 30003, New Mexico State University, Las Cruces, NM 88003-0003.

B. Melton*, C. Currier, B. McCaslin, D. Miller, N. Waissman, and E. Olivares

Published May, 1989

REGISTRATION OF CROP GERMPLASMS

References and Notes

5. Dep. of Plant Pathology, Univ. of Wisconsin, Madison, WI 53706. Accepted 30 Nov. 1988. *Corresponding Author.

Published in Crop Sci. 29:832-833 (1989).

REGISTRATION OF NINE COTTON GERMPLASM LINES

NINE germplasm lines of cotton (Gossypium hirsutum L.) designated CA-3001 through CA-3007, CA-3013 (Reg. no. GP-365 through GP-373), (PI 525461 through PI 525469), were released by the Texas Agricultural Experiment Station in 1985. These germplasm lines increased fiber length and tensile strength.

CA-3001 is a single plant selection out of CA-1056 which was derived from the cross of [(Del Cerro X CA-398) X AZ Paymaster 303, Acala SJ-5, Dunn 219, and Tamcot 782]. CA-3001 is a single plant selection out of CA-1056, which was derived from the cross of [El Paso Source Material (EPSM) X CA-1056]. It produced larger bolls with longer and stronger fibers than the four commercial check cultivars. CA-3002 was selected as a single plant from CA-3001 which was developed from the cross of El Paso Source Material (EPSM) X CA-1056. It possesses longer and stronger fibers than the four commercial check cultivars.

CA-3002 was selected as a single plant from CA-3001 which was developed from the cross of El Paso Source Material (EPSM) X CA-1056. It possesses longer and stronger fibers than the four commercial check cultivars.

CA-3003 through CA-3007 are sib selections from CA-3003, which was derived from the cross of [(CA-491 X Pima = G. barbadense L.)]. CA-3003 is the only germplasm line that exhibited a micronaire value less than those of the commercial cultivars. CA-3003 is longer and stronger than the four commercial check cultivars.

CA-3004 is a bulk selection out of CA-2153, which was derived from the cross of [(CA-491 X Pima = G. barbadense L.)]. CA-3004 possesses the strongest fibers, highest length uniformity ratio and micronaire value of these five lines, but all possess longer and stronger than the four commercial check cultivars.

CA-3005 is a bulk selection out of CA-2153, which was derived from the cross of [(CA-491 X Pima = G. barbadense L.)]. CA-3005 possesses the strongest fibers, highest length uniformity ratio and micronaire value of these five lines, but all possess longer and stronger than the four commercial check cultivars.

CA-3006 is a bulk selection out of CA-2153, which was derived from the cross of [(CA-491 X Pima = G. barbadense L.)]. CA-3006 possesses the strongest fibers, highest length uniformity ratio and micronaire value of these five lines, but all possess longer and stronger than the four commercial check cultivars.

CA-3007 is a bulk selection out of CA-2153, which was derived from the cross of [(CA-491 X Pima = G. barbadense L.)]. CA-3007 possesses the strongest fibers, highest length uniformity ratio and micronaire value of these five lines, but all possess longer and stronger than the four commercial check cultivars.

CA-3013 is a single plant selection out of CA-2153, which was derived from the cross of [(CA-491 X Pima = G. barbadense L.)]. CA-3013 possesses the strongest fibers, highest length uniformity ratio and micronaire value of these five lines, but all possess longer and stronger than the four commercial check cultivars.

CA-3014 is a bulk selection out of CA-2153, which was derived from the cross of [(CA-491 X Pima = G. barbadense L.)]. CA-3014 possesses the strongest fibers, highest length uniformity ratio and micronaire value of these five lines, but all possess longer and stronger than the four commercial check cultivars.

CA-3015 is a bulk selection out of CA-2153, which was derived from the cross of [(CA-491 X Pima = G. barbadense L.)]. CA-3015 possesses the strongest fibers, highest length uniformity ratio and micronaire value of these five lines, but all possess longer and stronger than the four commercial check cultivars.

CA-3016 is a bulk selection out of CA-2153, which was derived from the cross of [(CA-491 X Pima = G. barbadense L.)]. CA-3016 possesses the strongest fibers, highest length uniformity ratio and micronaire value of these five lines, but all possess longer and stronger than the four commercial check cultivars.

CA-3017 is a bulk selection out of CA-2153, which was derived from the cross of [(CA-491 X Pima = G. barbadense L.)]. CA-3017 possesses the strongest fibers, highest length uniformity ratio and micronaire value of these five lines, but all possess longer and stronger than the four commercial check cultivars.

CA-3018 is a bulk selection out of CA-2153, which was derived from the cross of [(CA-491 X Pima = G. barbadense L.)]. CA-3018 possesses the strongest fibers, highest length uniformity ratio and micronaire value of these five lines, but all possess longer and stronger than the four commercial check cultivars.

CA-3019 is a bulk selection out of CA-2153, which was derived from the cross of [(CA-491 X Pima = G. barbadense L.)]. CA-3019 possesses the strongest fibers, highest length uniformity ratio and micronaire value of these five lines, but all possess longer and stronger than the four commercial check cultivars.

CA-3020 is a bulk selection out of CA-2153, which was derived from the cross of [(CA-491 X Pima = G. barbadense L.)]. CA-3020 possesses the strongest fibers, highest length uniformity ratio and micronaire value of these five lines, but all possess longer and stronger than the four commercial check cultivars.