REGISTRATION OF CULTIVARS

Registration of ‘CIANO Alamos-92’ Cotton

‘CIANO Alamos-92’ cotton (Gossypium hirsutum L.) (Reg. no. CV-104, PI 570665) was developed and released in 1992 by the Cotton Improvement Program of the Yaqui Valley Experiment Station (Centro de Investigaciones Agrícolas del Noroeste [CIANO]–Instituto Nacional de Investigaciones Forestales y Agropecuarias [INIFAP]), Cd. Obregón, Sonora, as a high-yielding cultivar adapted for production in northeast and northwest Mexico.

'CIANO Alamos-92' originated from F4, through F5, plant selections, was bulked in the F6 generation, and was designated as D80/TAMU 1209-L10-7-1.

‘CIANO Alamos-92’ is an open plant-type cultivar with a semi-pubescent stem and with intermediate to short internodes on both sympodial and monopodial branches; height of the first square is 15 cm. Mature plants of this cultivar average 95 cm in height. Leaves are intermediate in size and scarce in pilosity.

‘CIANO Alamos-92’ has white-creamy flowers; capsules have four or five locules with some pubescence. Bolls are ovate and their average size is 5.4 g seedcotton per boll. Seed index (weight in grams per 100 seed) averages 9.7 g.

‘CIANO Alamos-92’ is an indeterminate-maturing cultivar, slightly earlier than the regional check, Deltapine 80, when seeded during the first 2 wk of March. It begins flowering about 80 to 82 d (750 heat units) after planting and reaches peak bloom at 100-105 d; boll opening starts about 125 to 130 d after planting and peaks about 140 to 145 d.Lint yield at first pick averages 54%, compared with 50% for Deltapine 80. ‘CIANO Alamos-92’ has an average fiber length of 2.70 cm, its fiber strength is 568 MPa, and its micronaire reading averages 4.4 units. ‘CIANO Alamos-92’ was tested in the Yaqui Valley, Sonora, over 3 yr and averaged 1516 kg ha⁻¹ of lint. It outyielded Deltapine 80 by 12.9%. ‘CIANO Alamos-92’ was validated on farmers’ fields in the Yaqui Valley over 2 yr and averaged 1370 kg ha⁻¹ of lint, outyielding Deltapine 80 by 10.4% and 35.3%, respectively.

Seed of ‘CIANO Alamos-92’ was distributed to seed-producing organizations in Sonora in 1992. Breeder seed will be maintained by CIANO, Apartado Postal 515, 85000 Cd. Obregón, Sonora, Mexico. More detailed information on the performance and characteristics of ‘CIANO Alamos-92’ is available (1).

Arturo Hernández Jasso* and Lorenzo Pérez Solis (2)

Registration of ‘CIANO Tajimaroa-92’ Cotton

‘CIANO Tajimaroa-92’ cotton (Gossypium hirsutum L.) (Reg. no. CV-106, PI 570667) was developed and released in 1992 by the Cotton Improvement Program of the Yaqui Valley Experiment Station (Centro de Investigaciones Agrícolas del Noroeste [CIANO]–Instituto Nacional de Investigaciones Forestales y Agropecuarias [INIFAP]), Cd. Obregón, Sonora, as a cluster-type, high-yielding cultivar released in 1992, derived from CUBACHI-86. ‘CIANO Tajimaroa-92’ is a medium-maturing cultivar released in 1992, derived from CIANO CUBACHI-86. ‘CIANO Tajimaroa-92’ was derived from a single-plant selection from out of ‘CIANO CUBACHI-86’. ‘CIANO Tajimaroa-92’ has white-creamy flowers; capsules have four or five locules with some pubescence. Bolls are ovate and their average size is 5.7 g seedcotton per boll. Seed index (weight in grams per 100 seed) averages 11.4 g.

‘CIANO Tajimaroa-92’ is a full-season cultivar, slightly earlier than the regional check, ‘Deltapine 80’, when seeded during the first 2 wk of March. It begins flowering about 80 to 82 d (750 heat units) after planting and reaches blooming peak around 145 to 150 d. Lint yield at first pick averaged 1190 kg ha⁻¹ of lint. It was outyielded by check cultivars Deltapine 80 (four tests) and Deltapine 50 (one test), by 10.4 and 35.3%, respectively.

‘CIANO Tajimaroa-92’ has white-creamy flowers; capsules have four or five locules with some pubescence. Bolls are ovate and their average size is 5.7 g seedcotton per boll. Seed index (weight in grams per 100 seed) averages 11.4 g.

‘CIANO Tajimaroa-92’ is a full-season cultivar, slightly earlier than the regional check, ‘Deltapine 80’, when seeded during the first 2 wk of March. It begins flowering about 80 to 82 d (750 heat units) after planting and reaches blooming peak around 145 to 150 d. Lint yield at first pick averaged 1190 kg ha⁻¹ of lint. It was outyielded by check cultivars Deltapine 80 (four tests) and Deltapine 50 (one test), by 10.4 and 35.3%, respectively.

Seed of ‘CIANO Tajimaroa-92’ was distributed to seed-producing organizations in Sonora in 1992. Breeder seed will be maintained by CIANO, Apartado Postal 515, 85000 Cd. Obregón, Sonora, Mexico. More detailed information on the performance and characteristics of ‘CIANO Tajimaroa-92’ is available (1).

Arturo Hernández Jasso* and Lorenzo Pérez Solis (2)