Delsoy 4210. Seeds of Bronson averaged 416 g kg\(^{-1}\) protein and 204 g kg\(^{-1}\) oil, compared with seeds of Delsoy 4210 that averaged 415 g kg\(^{-1}\) protein and 212 g kg\(^{-1}\) oil on a moisture-free basis. Seed weight of Bronson averaged 16.7 g 100 seed\(^{-1}\), compared with 17.7 g 100 seed\(^{-1}\) for Delsoy 4210. Bronson was evaluated in Uniform Test IV of the Northern Regional Cyst Nematode Tests in 1991 and 1992 (3). In these tests, Bronson averaged 2% higher in seed yield on SCN-noninfested sites and 2% lower in seed yield on SCN-infested sites than Delsoy 4210.

Bronson is an indeterminate Maturity Group IV cultivar that has white flowers, tawny pubescence, and, when mature, tan pods containing yellow seeds with a shiny luster, black hila, and high peroxidase activity in the seed coat. Bronson is classified as susceptible to Race 1, moderately susceptible to Race 2, moderately resistant to Race 3, resistant to Race 4, moderately susceptible to Race 5, and moderately resistant to Race 14 of SCN based on the differential system of Schmitt and Shannon (4). Seedlings of Bronson are resistant to Race 1 of *Phytophthora sojae* M.J. Kaufmann & J.W. Gerdemann when inoculated in the hypocotyl with this pathogen.

Breeder seed of Bronson was distributed to the releasing states Illinois and Indiana for foundation seed production in 1993. U.S. plant variety protection is pending for Bronson soybean. A small sample of seed of Bronson for research purposes may be obtained from the authors for at least 5 yr.

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References and Notes


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Registration of 'Stevan' Plains Bristlegrass

'Stevan' plains bristlegrass [*Setaria leucopila* (Scribn. & Merril) K. Schum.] (Reg. no. CV-173, PI 552568) was released by the USDA-SCS, USDA-ARS, and the University of Arizona Agricultural Experiment Station on 1 Apr. 1994. Stevan plains bristlegrass is an apomictic, C\(_4\), native, perennial, warm-season bunchgrass (2). The cultivar will be used for erosion control in southeastern Arizona, southwestern and southeastern New Mexico, and western Texas. Stevan was evaluated under the experimental designations 9003939, 04-19916, and A-19916. Stevan is the product of a testing program to develop a superior population of plains bristlegrass conducted at the Tucson Plant Materials Center (TPMC). Stevan plains bristlegrass is a population comprised of 13 multi-plant accessions that were selected from an initial evaluation study conducted at the TPMC from 1975 to 1979. Seed produced from these apomictic accessions in 1979 was bulked in equal quantities to form Stevan. Stevan was included in plantings on the San Rita Experimental Range from 1982 to 1986 (1,3). Stevan exhibited good germination and establishment in years having average precipitation (200-300 mm yr\(^{-1}\)). In 1993, Stevan was included in a planting in Avra Valley, Arizona. The purpose of this planting was to evaluate seedling emergence and establishment from planting depths of 1.25, 2.5, and 3.75 cm. Even though emergence percentage and seedling establishment of Stevan were not significantly different among the three planting depths, these two traits exhibited the highest average values at the 3.75 cm depth. Stevan exhibited significantly higher emergence percentage (P < 0.05) than a commercially available population of plains bristlegrass.

Stevan was selected primarily for use in revegetation of eroded rangelands, retired croplands, critical areas (e.g., highway construction sites), and to provide forage for wildlife and livestock use. In arid climates, soil surface moisture is a limiting factor in germination and seedling establishment. Stevan plains bristlegrass is an excellent candidate for revegetation use because of its ability to emerge and establish from greater seeding depths than many other grass species. It is recommended that Stevan be utilized as part of a seeding mixture comprising about 20 to 30% of the total mix; however, the percent composition may vary depending on the seeding objective.

Seed propagation of Stevan is restricted to two generations of increase from breeder seed, one each of foundation and certified. Breeder and foundation seed will be maintained by the USDA-SCS, Tucson Plant Materials Center. Limited quantities of foundation seed will be available for commercial production in 1994.

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References and Notes


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Registration of ‘Prizm’ Perennial Ryegrass

‘Prizm’ perennial ryegrass (*Lolium perenne* L.) (Reg. no. CV-172, PI 565490) was developed by cooperative efforts of Zajac Performance Seeds, Inc., of North Haleden, NJ, Pure-Seed Testing, Inc., of Hubbard, OR, and the New Jersey Agricultural Experiment Station. It was released in September 1993. Stevan plains bristlegrass was produced in 1993. Prizm was tested under the experimental designation ZPS-28D.

Prizm is an advanced-generation synthetic cultivar selected...