REGISTRATIONS OF CULTIVARS

Registration of ‘C-99R’ Peanut

‘C-99R’ peanut (*Arachis hypogaea* subsp. *hypogaea* var. *hypogaea*) (Reg. no. CV-71, PI 613135) cultivar was developed by the University of Florida Agricultural Experiment Station and approved for release in 1999. C-99R is a jumbo-runner market-type peanut with resistance to late leafspot [caused by *Cercosporidium personatum* (Berk. & M.A. Curtis) Deighton], stem rot or white mold (caused by *Sclerotium rolfsii* Sacc.), and tomato spotted wilt virus (TSWV, a tospovirus from the family Bunyaviridae). Tested experimentally as UF94320 and F84x9B-4-2-1-2-b2-B, C-99R was selected from a cross made in 1984 between two University of Florida breeding lines, UF81206-1 and F72x32B-13-1-3-b2-B. UF81206-1 is a selection from UF81206 (PI 203396) with 50% oil content. Flavor and blanching data were also found to be acceptable (Gorbet and Shokes, 2000).

Application has been made for U.S. Plant Variety Protection (PVP no. 200000182) for growing C-99R only as a cultivar. Selection from UF81206 (PI 203396) of Certified seed. Inquiries concerning Foundation or registered production of C-99R should be directed to Florida Seed Producers, Inc., P.O. Box 309, Greenwood, FL 32630. Breeder seed will be maintained by the Florida Agricultural Experiment Station.

D.W. Gorbet* and F.M. Shokes

References


C-99R has shown good resistance to late leafspot, stem rot, and TSWV, with greater pod yields, larger seed size, better grades, and better quality than the multiple-disease-resistant cultivar ‘Southern Runner’ (Gorbet et al., 1987). C-99R has shown consistently good pod yields with better seed quality (seed vigor and germination) than ‘Florida MDR 98’, with maturity and seed size similar to Florida MDR 98, being≈2 wk later than Florunner (Gorbet and Shokes, 1998). C-99R has a runner growth habit with foliage color darker green than Southern Runner and Florida MDR 98 and with a more prominent mainstem. Seed of C-99R are similar in size, color (tan), and shape to Florida MDR 98, but slightly larger (70.4 vs. 67.6 g 100 seed\(^{-1}\)) (Gorbet and Shokes, 2000).

In unsprayed Florida yield tests, C-99R gave better pod yields than Southern Runner (7.3%) and Florida MDR 98 (5.6%), with total sound mature kernel grades between those of Southern Runner and Florida MDR 98 (80.4 vs. 79.6 and 81.2%, respectively). In inoculated (S. rolfsii) stem rot field studies (1997–1998), C-99R gave greater pod yields than Southern Runner; Florida MDR 98; Florunner; and ‘Georgia-92’. C-99R is susceptible to peanut root knot nematode (*Meloidogyne arenaria* (Neal) Chitwood) and resistance to Southern Runner and Florida MDR 98 and with a more prominent mainstem. Seed of C-99R are similar in size, color (tan), and shape to Florida MDR 98, but slightly larger (70.4 vs. 67.6 g 100 seed\(^{-1}\)) (Gorbet and Shokes, 2000).

Registration of ‘Florida MDR 98’ Peanut

‘Florida MDR 98’ peanut (*Arachis hypogaea* subsp. *hypogaea* var. *hypogaea*) (Reg. no. CV-72, PI 607535) cultivar was developed by the Florida Agricultural Experiment Station and approved for release in 1998. Florida MDR 98 originated from a three-way cross made in 1984 between ‘Southern Runner’, a cultivar developed by the Southern Regional Peanut Research Laboratory, and two other local cultivars. Registration of Southern Runner peanut. Crop. Sci. 27:817. 'Florunner' (Norden et al., 1969) of 1379 kg ha\(^{-1}\) (Branch et al., 1997, 1998; Gorbet and Shokes, 2000).

C-99R has shown good resistance to late leafspot, stem rot, and TSWV, with greater pod yields, larger seed size, better grades, and better quality than the multiple-disease-resistant cultivar ‘Southern Runner’ (Gorbet et al., 1987). C-99R has shown consistently good pod yields with better seed quality (seed vigor and germination) than ‘Florida MDR 98’, with maturity and seed size similar to Florida MDR 98, being≈2 wk later than Florunner (Gorbet and Shokes, 1998). C-99R has a runner growth habit with foliage color darker green than Southern Runner and Florida MDR 98 and with a more prominent mainstem. Seed of C-99R are similar in size, color (tan), and shape to Florida MDR 98, but slightly larger (70.4 vs. 67.6 g 100 seed\(^{-1}\)) (Gorbet and Shokes, 2000).

In unsprayed Florida yield tests, C-99R gave better pod yields than Southern Runner (7.3%) and Florida MDR 98 (5.6%), with total sound mature kernel grades between those of Southern Runner and Florida MDR 98 (80.4 vs. 79.6 and 81.2%, respectively). In inoculated (S. rolfsii) stem rot field studies (1997–1998), C-99R gave greater pod yields than Southern Runner; Florida MDR 98; Florunner; and ‘Georgia-92’. C-99R is susceptible to peanut root knot nematode (*Meloidogyne arenaria* (Neal) Chitwood) and resistance to Southern Runner and Florida MDR 98 and with a more prominent mainstem. Seed of C-99R are similar in size, color (tan), and shape to Florida MDR 98, but slightly larger (70.4 vs. 67.6 g 100 seed\(^{-1}\)) (Gorbet and Shokes, 2000).