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 F84×9B-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 F72×32B-13-1-3-b2-B. UF81206-1 is a selection from UF81206 (PI 203396) and has 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 class of Certified seed. Inquiries concerning Foundation seed purchase of C-99R should be directed to Florida Seed Producers, Inc., P.O. Box 309, Greenwood, FL 32443. Breeder seed will be maintained by the Florida Agricultural Experiment Station.

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

References


D.W. Gorbet, Univ. of Florida, North Florida Res. and Ext. Center, 3925 Highway 71, Marianna, FL 32446; F.M. Shokes, Univ. of Florida Agric. Res. and Ext. Center, 6321 Holland Road, Suffolk, VA 23437. Registration by CSSA. Accepted 30 Apr. 2002. * Corresponding author (dgorbet@mail.ifas.ufl.edu).

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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’, ‘Florida MDR 98’ (Florida common groundnut) and an F 1 plant from a cross of ‘Andru’ and ‘Southern Runner’ (Gorbet et al., 1987). C-99R has maturity and seed size similar to Florida MDR 98, being ≈1 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 (Gorbet et al., 1997, 1998; Gorbet and Shokes, 2000). C-99R has shown consistently good resistance to late leafspot by pedigree selection conducted under unprotected field conditions (unsprayed, no leafspot fungicide) from F 2 through F 7. Sprayed and unsprayed tests were conducted from 1993 through 1997 in Florida. UF94320 was tested in the Uniform Peanut Performance Test from 1996 to 1997, with a southeast (Alabama, Florida, Georgia) yield advantage over ‘ 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 (Gorbet et al., 1987) and an F 1 plant from a cross of ‘Andru

D.W. Gorbet, Univ. of Florida, North Florida Res. and Ext. Center, 3925 Highway 71, Marianna, FL 32446; F.M. Shokes, Univ. of Florida Agric. Res. and Ext. Center, 6321 Holland Road, Suffolk, VA 23437. Registration by CSSA. Accepted 30 Apr. 2002. * Corresponding author (dgorbet@mail.ifas.ufl.edu).

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