Seed of these germplasms are available upon written request. It is requested that appropriate recognition of the source be given when these germplasms contribute to research or germplasm enhancement. Seed stocks are maintained by the author.

R. E. ALLAN* (2)

References and Notes
2. Wheat Genetics, Quality, Physiology and Disease Research Unit, USDA-ARS, 209 Johnson Hall, Washington State University, Pullman, WA 99164-6420. Registration by CSSA. Accepted 31 Oct. 1995. *Corresponding author.


Registration of Six Fusarium Wilt–Resistant Chickpea Germplasm Lines

Six chickpea (Cicer arietinum L.) germplasm lines, ILC 9784 (Reg. no. GP-159, PI 592394), ILC 9785 (Reg. no. GP-160, PI 592395), ILC 9786 (Reg. no. GP-161, PI 592396), FLIP 86-93C (Reg. no. GP-162, PI 587043), FLIP 87-33C (Reg. no. GP-163, PI 587044), and FLIP 87-38C (Reg. no. GP-164, PI 587045), were jointly released by the International Center for Agricultural Research in the Dry Areas (ICARDA), Syria, the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India, and the Universidad de Córdoba, Spain, in 1994. ILC 9784 is resistant to Races 0, 1, and 5 of Fusarium oxysporum Schlechtend.:Fr. f. sp. ciceris (Padwick) Matuo & K. Sato (hereafter referred to as F.o.c.). The remaining five lines, ILC 9785, ILC 9786, FLIP 86-93C, FLIP 87-33C, and FLIP 87-38C, are resistant to Races 0 and 1 of F.o.c. Of these, FLIP 86-93C, FLIP 87-33C, and FLIP 87-38C were cold tolerant under Tel Hadya conditions during 1991–1992, when minimum temperatures reached −8.8°C and freezing temperatures occurred.

The 100-seed weight of ILC 9784, ILC 9785, ILC 9786, FLIP 86-93C, FLIP 87-33C, and FLIP 87-38C was 20, 33, 40, 54, 33, and 20 g, respectively. ILC 9784, ILC 9785, ILC 9786, FLIP 86-93C, FLIP 87-33C, and FLIP 87-38C matured in 192, 193, and 187 d, respectively, when winter-sown. ILC 9784 (35 cm) was short; FLIP 86-93C (58 cm), FLIP 87-33C (54 cm), and FLIP 87-38C (57 cm) were midtall; and ILC 9785 (66 cm) and FLIP 87-38C were tall. The protein content of ILC 9784, ILC 9785, ILC 9786, FLIP 86-93C, FLIP 87-33C, and FLIP 87-38C was 20, 23.3, 23.4, 21.0, 22.4, and 22.9%, respectively. These six fusarium wilt-resistant lines therefore differ in cold tolerance, seed size, maturity, protein content, and will provide breeders a choice of fusarium wilt-resistant lines for use in their breeding programs.

Seed of these lines is being maintained by the Program of ICARDA, and small quantities can be obtained upon request for use in breeding programs.

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References and Notes