

Sources of resistance in chickpea germplasm against fusarium wilt

*M.A. Chaudhry¹, M.B. Ilyas², F. Muhammad¹ and M. U. Ghazanfar²

¹*Pulses Research Institute, AARI Faisalabad,* ²*Department of Plant Pathology, University of Agriculture, Faisalabad*

*E-mail: *usmanghazanfar1073@yahoo.com*

Abstract

One hundred and ninety six chickpea germplasm lines/cultivars were screened for resistance to with disease caused by *Fusarium oxysporum* f.sp. *ciceri* in a wilt sick plot. None of the test line was found immune or highly resistant. Lines 03001, 03006, 03009, 03012, 03016, 03020 and 03045 obtained from Pluses Research Institute, Faisalabad, found to be resistant while 03024, 03026, 03037, 03041, 03046, 03050, Pb2000 and Pardar-91 were moderately resistant. Flip 97-17³C, Flip 01-38C, Flip 02-39C, Flip 02-40C, Flip 03-36C, Flip 03-45C, Flip 03-53C and Flip 03-141 from ICARDA, Syria were resistant, while 14 lines such as Flip98-37C Flip98-206C, Flip00-17C, Flip01-2C, Flip01-30, Flip 01-34C, Flip 01-37C, Flip01-49C, Flip 01-50C, Flip 03-104C, Flip 03-106C, Flip03-119C, Flip 03-134C, and Flip 03-141C were moderately resistant. Out of 39 test lines 92 A -186 and 93 A -086 from Arid Zone Research Institute were also resistant, with 93 A -304 to be moderately resistant. From Barani Agricultural Research Institute Chakwal only one line 2 KCC-101 was found to be resistant.

Keywords: *Cicer arietinum* L., *Fusarium oxysporum* f. sp. *ciceri* Padwik, germplasm, resistance.