

Screening of urdbean germplasm for the sources of resistance against urdbean leaf crinkle virus

***M.A. Chaudhry¹, M. Bashir Ilyas² and M.U. Ghazanfar²**

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

Abstract

Sixty seven urdbean [*Vigna mungo* (L.) Happer] germplasm lines, originating from various research organizations, were screened against natural infection of urdbean leaf crinkle virus in a field trial conducted at Pulses Research Institute, Faisalabad during kharif season 2006. Out of 30 test lines originating from Barani Agricultural Research Institute, Chakwal, none was found to be immune or resistant; however, two lines (3 CM-707 and CH-Mash 97) were found to be moderately resistant to urdbean leaf crinkle virus infection while all other test lines were moderately susceptible to susceptible. Similarly, out of 24 test lines originating from Pulses Research Institute Faisalabad, none was found to be immune or resistant; only one line (AARI M-32) displayed moderately resistant reaction while the remaining behaved as moderately susceptible to susceptible. Of the 13 lines originating from National Agriculture Research Centre, Islamabad, only one line (NCH-9-3) was moderately resistant while the rest were moderately susceptible to susceptible.

Keywords: *Vigna mungo* (L.) Happer, germplasm accessions, resistance, urdbean leaf crinkle virus.