

Screening of certain chilli germplasm against yellow mite, *Polyphagotarsonemus latus* (Banks)

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ABSTRACT :

An experiment was conducted during the year 2012 and 2013 to screen out 30 chilli germplasm against yellow mite, *Polyphagotarsonemus latus* (Banks). Out of 30 chilli germplasms, 7 germplasms viz., 13/09, 10/09, 7/09, CH/09/8A3, 11/CHIVAR-6, 10/CHIVAR-6, 10/CHIVAR-3 were found to be resistant as they were found free of mite infestation and leaf curl symptoms. Entries LCA-334, ASC-06-1, KA-2, BH10/04, VR-338, CHIVAR-5, CHIVAR-7, 11/CHIVAR-7, G-8B, G-5B, G-3, G-1, 17/09, 5/A/09, BH10/04 and *Mem jolokia* were found to be moderately resistant with a damage score of 0.2 to 1.4 showing about 25 per cent leaf curling. The entries 15/02, G-2 and CHIVAR-4 showed a damage score of 2.4, 2.7 and 2.29 and per cent leaf curling of 44.23, 46.53 and 29.28, respectively and were recorded as moderately susceptible. Whereas 11/CHIVAR-1 recorded the highest damage with damage score 3.6, showing 90.48 per cent leaf curling followed by *Bhut jolokia* and Pusa Juwala which were found to be highly susceptible showing around 82.2 to 89.7 per cent leaf curling with damage score 3.5 and 3.4, respectively.

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