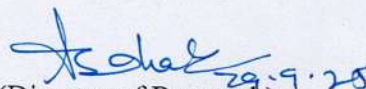


Commercialization of Improved American Cotton Introgression Line "PAU Armour 1"

Cotton is one of the most important *kharif* crops of Punjab, Haryana and Rajasthan. Of the four cultivated species of cotton, American cotton (*G. hirsutum*) is the predominantly grown cotton species. However, its cultivation is threatened due to cotton leaf curl disease (CLCuD). Losses in seed cotton yield ranging from 10 - 92% due to CLCuD have been reported. Due to continuous emergence of recombinant CLCuV strains, all the available germplasm of American cotton have become susceptible. A CLCuD resistant wild cotton species, *G. armourianum* (DD), was utilized in the wide-hybridization programmes at PAU for the introgression of CLCuD resistance in American cotton.

Considering the immense contribution of cotton to the national economy, the potential for crop diversification, employment generation, susceptibility of existing American cotton cultivars to CLCuV, and the paucity of donors harbouring major CLCuD resistance genes, and non-availability of CLCuD resistant advance cotton breeding lines; development of CLCuD resistant introgression line "PAU Armour 1" by the Punjab Agricultural University assumes significance. PAU is open to sharing "PAU Armour 1" with the commercial seed companies.

All the interested seed companies are invited to be licensee of PAU Armour 1 for its utilization in their breeding programmes for the development of commercial cotton varieties and hybrids. For more details, interested companies are requested to contact Dr. Khushdeep Dharni, Associate Director, Technology Marketing & IPR Cell (tmiprc@pau.edu). Those interested in observing the field performance of PAU Armour 1 are requested to contact Dr Kulvir Singh, Principal Agronomist (Mob No : 9417783052, email ID: kulvir@pau.edu)/ Dr Satnam Singh, Principal Entomologist, (Mob No : 9876962774, email: satnam@pau.edu/ Dr Dharminder Pathak, Principal Cotton Breeder (Mob. No.: 9876197865, email ID: dharminderpathak@pau.edu).


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