

Varietal screening of Basmati rice varieties against rice stem borer and leaf folder

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ABSTRACT : A study was undertaken to assess the resistance of rice varieties Pusa Basmati-1509, Pusa Basmati-1460, Pusa Basmati-1121, Pusa Basmati-1, T-3 and Basmati-370, against rice stem borer and rice leaf folder and their effect on yield, under rice- wheat cropping system during Kharif 2015. Rice varieties Pusa Basmati-1509 and Pusa Basmati-1460 were the most resistant varieties against rice stem borer as 15.75% and 19.25% dead hearts, and 5.75% and 6.20% white heads lower than the other tested basmati varieties. Similarly T-3 and Basmati 370 was the most susceptible variety against leaf folder. Pusa Basmati-1460 resulted in to highest (56.55 qt/ha) yield, whereas Basmati-370 resulted into lowest (16.45 qt/ha) yield.

Key Words: Rice varieties, rice stem borer, leaf folder and yield.