



RESEARCH ARTICLE :

Performance of BG-I and BG-II Bt cotton hybrids against mealybug *Phenacoccus solenapsis* Tinsley

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SUMMARY : Among all Bt cotton hybrids mealy bug population ranged from 0.38 to 0.70 mealy bugs/ 2.5 cm shoot length. Minimum mealy bug population was observed on Paras Atal BG-I (0.38) which was at par with VBCH-1505 BG-I (0.49), Paras Brahma BG-I (0.39), ACH-155 BG-I (0.49), Ranjeet Bt BG-I (0.42), GK-205 BG-I (0.45), ACH-21-1 BG-I (0.41), SP-1037 BG-I (0.43), Mallika BG-II (0.49), Sigma BG-II (0.49), TCH-4 BG-II (0.46), TCH-9 BG-II (0.42) and NSPL-9899 BG-II (0.44). Maximum mealy bug population was observed on VBCH-1006 BG-I (0.70), followed by ACH-177 BG-I (0.62), ACH-33 BG-I (0.59), Kanak BG-I (0.58), Cash BG-I (0.63), SP-499 BG-I (0.60), Bunny BG-II (0.64), VBCH-1505 BG-II (0.66), RCH-515 BG-II (0.64), VBCH-1501 BG-II (0.56), MRC-7326 BG-II (0.61), ACH-177 BG-II (0.61), ACH-11 BG-II (0.56), PRCH-505 BG-II (0.68) and NSPL-405 BG-II (0.60) which were at par with each others. The per cent plants infested by mealy bug on BG-I and BG-II Bt cotton ranged from 1.36 to 1.76 per cent. Among all Bt cotton hybrids (BG-I and BG-II) mealy bug infestation ranged from 1.33 to 1.76 per cent. Minimum mealy bug infestation was observed on Paras Atal BG-I (1.33) which was found significantly superior over rest of the hybrids except Paras Atal BG-I (1.36), ACH-21-1 BG-I (1.39) and TCH4 BG-II (1.40) which were at par and each others. Maximum mealy bug infestation was observed on VBCH-1006 BG-I (1.76) than rest of the hybrids.

KEY WORDS :

Mealy bug,
Phenacoccus solenapsis Tinsley, Bt cotton

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