

Screening of germplasm for tolerance against major stem pests of soybean

■ A.A. MOTAPHALE*, B.B. BHOSLE AND F.S. KHAN

Department of Entomology, College of Agriculture, Vasantao Naik Marathwada Krishi Vidyapeeth, PARBHANI (M.S.) INDIA

ARTICLE INFO

Received : 09.05.2016
Revised : 04.08.2016
Accepted : 18.08.2016

KEY WORDS :

Germplasm, Stem pests,
Soybean

ABSTRACT

Field experiments were conducted during *Kharif* 2010-2011 and 2011-12, at the field of College of Agriculture, Marathwada Krishi Vidyapeeth, Parbhani (Maharashtra). Twenty two germplasm were screened for tolerance against major insect pests of soybean. During 2010 Genotypes DSb 16 (2199.1kg/ha) with the highest yield under unprotected conditions was considered as tolerant check. Among the entries tested, two entries viz., SL-799, DSb-16 and three checks JS 93-05, JS-335 and MAUS-158 were categorized as high yielding entries. During 2011, the per cent yield loss in different genotypes ranged from 14.35 (PS 1466) to 61.56 (JS 97-52). Under protected and unprotected conditions yield obtained from JS 93-05 (1621.31 kg/ha) to DS 12-13 (2526.61 kg/ha) and from PS 1466 (1089.65 kg/ha) to DSb 16 (2199.06 kg/ha). Among the entries PS-1466 categorized as resistant high yielding entry.

How to view point the article : Motaphale, A.A., Bhosle, B.B. and Khan, F.S. (2016). Screening of germplasm for tolerance against major stem pests of soybean. *Internat. J. Plant Protec.*, 9(2) : 387-394, DOI : 10.15740/HAS/IJPP/9.2/387-394.

*Corresponding author: