IMPACT: International Journal of Research in Applied, Natural and Social Sciences (IMPACT: IJRANSS)
ISSN(P): 2347-4580; ISSN(E): 2321-8851
Vol. 5, Issue 9, Sep 2017, 137-142

DETERMINATION OF YIELD LOSSES OF SOYBEAN ENTRIES/VARIETIES CAUSED BY *SPODOPTERA LITURA*

B. SUNDAR, R.S. CHOUHAN, N. KHANDWE & J. VENKATESHWAR

R.A.K. College of Agriculture, Sehore, Madhya Pradesh, India

ABSTRACT

The experimental work was conducted in the field No. 11 at the Research Farm of R.A.K. College of Agriculture, Sehore, Madhya Pradesh under, All India Coordinated Research Project on soybean financed by ICAR, New Delhi. Four replications (2treated + 2 untreated), treatments 50 Soybean genotypes/varieties. The grain yield range from 456.25 to 2375.00 kg/ha and 437.50 to 2263.00 kg/ha, in treated and untreated varieties, respectively. The grain yield loss % ranged from 0.67 to 17.71 percent in different varieties. These varieties were further grouped in four categories, based on the maximum - minimax method. Ten varieties were resistant, high yielding (R-HY), sixteen were resistant, low yielding (R-LY), Twenty three varieties were susceptible low yielding (S-LY) and one variety was susceptible high yielding (S-HY).

KEYWORDS: Maximin-Minimax Method, Grain Yield Loss %