

Research Paper

ADVANCE RESEARCH JOURNAL OF
C R P
IMPROVEMENT
Volume 5 | Issue 1 | June, 2014 | 26-28
.....

Growth and yield of soybean genotypes as influenced by different fertilizer levels

e ISSN-2231-640X

Open Access-www.researchjournal.co.in

■ H.S. GARUD, S.U. PAWAR¹, V.B. AWASARMAL¹, S.S. SOLUNKE¹ AND B.V. ASEWAR¹

AUTHORS' INFO

Associated Co-author :

¹Vasanthrao Naik Marathwada Krishi
Vidyapeeth, PARBHANI (M.S.)
INDIA

Author for correspondence :

H. S. GARUD

Vasanthrao Naik Marathwada Krishi
Vidyapeeth, PARBHANI (M.S.) INDIA

ABSTRACT : The field investigation on response of soybean genotypes to different fertilizer levels was carried out at research farm, Department of Agronomy, College of Agriculture, V.N.M.K.V., Parbhani (M.S.). The experiment was laid down in split-plot design with 12 treatment combinations comprising of four varieties *i.e.* JS-335 (V_1), MAUS – 162 (V_2), MAUS – 71 (V_3) and MAUS – 158 (V_4) as main plot treatments and three fertilizer levels *i.e.* 75% RDF as 23.5:45:23.5 kg ha⁻¹ N, P and K₂O (F_1), 100% RDF as 30:60:30 kg ha⁻¹ N P₂O₅ and K₂O (F_2) and 125 % RDF as 37.5:75:37.5 kg ha⁻¹ N, P₂O₅ and K₂O (F_3) as subplot treatments. Variety MAUS – 158 and application of 100% RDF recorded significantly higher plant height, number of functional leaves, number of branches, leaf area as well as total dry matter per plant, seed, straw and biological yield, as compared to the rest of the varieties and fertilizer levels.

Key Words : Soybean , Fertilizer, Genotypes, Growth, Yield

How to cite this paper : Garud, H.S., Pawar, S.U., Awasarmal, V.B., Solunke, S.S. and Asewar, B.V. (2014). Growth and yield of soybean genotypes as influenced by different fertilizer levels. *Adv. Res. J. Crop Improv.*, **5** (1):26-28.

Paper History : Received : 06.01.2014; Revised : 03.05.2014; Accepted : 16.05.2014