



**RESEARCH ARTICLE :**

## Effect of organic and inorganic nutrient management on growth and yield of soybean

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**ARTICLE CHRONICLE :**

**Received :**

19.07.2017;

**Accepted :**

03.08.2017

**SUMMARY :** The field experiment was conducted during *Kharif* 2014 at the Agronomy Farm, College of Agriculture, Kolhapur on sandy clay loam soil with the combined application of chemical fertilizers, FYM and biofertilizers in soybean resulted increased growth and yield. Treatment 100 per cent GRDF gave significantly higher plant height (30.68, 55.63, 64.98, 73.90 cm), trifoliolate leaves (4.06, 13.13, 21.82, 30.10), number of branches (1.13, 3.26, 6.12, 6.89), dry matter production (2.69, 15.60, 23.06, 33.84 g) and leaf area (47.59, 90.53, 110.57, 118.57 dm<sup>2</sup>) at 28, 42, 56 DAS and at harvest, respectively and soybean seed yield (29.22 q ha<sup>-1</sup>) and straw yield (36.01 q ha<sup>-1</sup>) it was followed by treatment 75 per cent RDF+ vermicompost 2.5 t ha<sup>-1</sup>.

**How to cite this article :** Mehetre, A.N., Suryawanshi, G.B., Surve, U.S. and Panchal, A.A. (2017). Effect of organic and inorganic nutrient management on growth and yield of soybean. *Agric. Update*, **12**(TECHSEAR-7) : 1899-1903; DOI: 10.15740/HAS/AU/12.TECHSEAR(7)2017/1899-1903.

**KEY WORDS :**

FYM, Vermicompost,  
GRDF, Biofertilizers,  
Growth characters

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