

Research Article

Effect of micronutrients application on the growth traits and yield of soybean [*Glycine max* (L.) Merrill.] under rainfed condition in *Vertisol*

■ RESHMA B. SALE AND R.B. NAZIRKAR

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MEMBERS OF RESEARCH FORUM :

Corresponding author :

RESHMA B. SALE, Department of Soil Science and Agricultural Chemistry, College of Agriculture, DHULE (M.S.) INDIA
Email: reshmasale18@gmail.com

Co-authors :

R.B. NAZIRKAR, Department of Soil Science and Agricultural Chemistry, College of Agriculture, DHULE (M.S.) INDIA

Summary

Field experiments were conducted to assess the effect of different micronutrients on growth trait and yield of soybean under rainfed condition in vertisol at the farm of Agricultural Research Station during 2012. It was observed that application of micronutrients significantly affected the growth traits of soybean, whereas, branching, nodulation and chlorophyll content of soybean were significantly increased by the application of micronutrient over the control. The average number of branches, number of nodules and chlorophyll content of soybean were maximized by application of Zn, Fe and Mo. Furthermore, data revealed that the Zn (0.5 %) and Fe (0.5 %) combined application increased all growth traits and yield in comparison to their separate application of Zn, Fe and seed fortification of Mo.

Key words : Zinc, Iron, Molybdenum, Foliar application, Seed fortification, Soybean

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