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Research Article

Influence of nutrient management systems on soil properties and productivity under soybean-safflower cropping sequence of *Vertisol*

S.V. CHIKSHE, A.S. DHAWAN AND A.L. DHAMAK

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MEMBERS OF RESEARCH FORUM :

Corresponding author :
A.L. DHAMAK, Department of Soil Science and Agricultural Chemistry, College of Agriculture, Marathwada Krishi Vidyapeeth, PARBHANI (M.S.) INDIA
Email: anil.ldhamak@gmail.com

Co-authors :
S.V. CHIKSHE AND A.S. DHAWAN, Marathwada Krishi Vidyapeeth, PARBHANI (M.S.) INDIA

Summary

To understand the effect of nutrient supply system on soil properties, soil samples were drawn from the long-term field experiment in progress on a Vertisol at Agronomy Farm, College of Agriculture, MKV, Parbhani under All India Coordinated Research Project on Oilseed. The rotation followed was soybean-safflower and treatments included various combinations of N, P, PSB and Azotobacter. At the end of 2nd crop sequence, soil quality status improved upon initial status with indication of significantly higher organic carbon and available N, P, K. However, no marked changes on soil bulk density, pH and EC over the years were noticed.

Key words : Nutrient management system, Soybean-safflower, Soil properties, Vertisol, Yield

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