

Changes in Soil Microbial Population in Rainfed Groundnut with Long term Application of Manure and Fertilizers

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ABSTRACT

The highest bacterial population was noticed in surface soil than the subsurface soil at different growth stages of rainfed groundnut. Highest soil microbial population was observed with the application of NPK + gypsum+ZnSO₄ followed by FYM treatment. The soil microbial population increased upto flowering stage, thereafter decreased except fung, whose population increased till the harvest of the crop. The lower values were observed in the treatments where N or P or K alone was applied.

Key words : Groundnut, Soil microbial population