

Research Article

Soil potassium dynamics under intensive rice cropping in TBP command area of north Karnataka

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Summary

Distribution of different forms of potassium was studied in surface and subsurface soils samples of paddy-paddy cropping sequence in TBP command area. The water soluble K ranged from 0.04 to 0.18 per cent, and 0.04 to 0.23 per cent, exchangeable K 1.03 to 3.26 per cent and 1.30 to 3.40 per cent, non exchangeable K 4.10 to 11.13 per cent and 4.11 to 10.92 per cent and lattice K 85.79 to 96.60 per cent and 85.97 to 94.31 per cent in surface and subsurface layers of total potassium, respectively. All the forms of soil potassium were correlated with each other indicating the existence of dynamic equilibrium among them.

Key words : Correlations, Cropping sequence, Dynamic equilibrium, Forms of potassium, Paddy

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