

# Effect of Compost on Physico Chemical Characteristics in Soil after Pre Sowing and Post Harvesting of Crops

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## ABSTRACT

Microbial Technology for early decomposition of compost was formed from PMC, Flyash, distillery spent wash (D.S.W.) and chopped water hyacinth by bioinoculant *Trichoderma viride* in different treatments PTDE, T<sub>1</sub>, T<sub>2</sub>, T<sub>3</sub>, T<sub>4</sub> over control were investigated.

Effect of Compost on physico-chemical characteristics pH, Ec, Nitrogen, Phosphorus, Potassium content in soil was also been studied after pre-sowing and post harvesting of both test crop over control. It has been observed that compost decreased pH and increased N.P.K.S. content of soil. Higher significant results has studied in T<sub>4</sub> treated soil while significant reduction in PTDE treated soil. However, the decreased significance results have showed in T<sub>1</sub>, T<sub>2</sub> and T<sub>3</sub> compost treated soil.

To develop design of manufacturing of the compost not only produces beneficial effects on crop productivity and eliminate pollution problem but also improve soil fertility for nutrient management system in Indian scenario.

**Keywords:** PMC DSW, Trichoderma, N.P.K.S., PTDE.