

Research Article

Evaluation of composted chromolaena and parthenium as a plant nutrient source on paddy

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Summary

Field experiment was conducted to study the influence of chromolaena and parthenium weeds as green manure and their compost on yield parameters like plant height and number of tillers, yield, nutrient content, residual soil properties and to work out the economics of paddy at Aldur village, Chickmagalore district of Karnataka. Two levels of parthenium and chromolaena as green manures and their compost were evaluated. Application of 7.5 tons of parthenium and chromolaena compost significantly increased the plant height (75.80 cm), number of tillers (27) grain yield (45.16 q ha⁻¹) and straw yield (53.21 q ha⁻¹) over same level of parthenium and chromolaena as green manure.

Key words : Parthenium, Chromolaena, Compost, Nutrient, Productivity

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