

Research Article

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Effect of raw and post bio-methanated spent wash bio-compost on the growth, yield quality of seasonal sugarcane chemical properties of sodic soil

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Summary

A field experiment was conducted at Post Graduate Institute, Mahatma Phule Krishi Vidyapeeth Rahuri, dist- Ahmednagar (M.S.) with raw and post bio-methanated spent wash for preparation of bio-compost from the different organic sources like press mud cake, baggasse, sugarcane trash, farm waste like pearl millet straw, chickpea straw and wheat cut straw etc. and seasonal sugarcane crop (*Saccharum officinarum*) variety Co 86032 was planted with sixteen treatments, three replications in sodic soil. Absolute control, farm yard manure and vermicompost treatments were taken for comparison with bio-composts. The growth parameters like height of the plant, girth of the stem, number of tillers etc. as well as yield , quality of sugarcane and soil chemical properties etc. were found significantly higher in the post bio-methanated bio-compost treatment as compared to the raw spent wash bio-compost treatment under sodic soil condition.

Key words : Spent wash, Post bio-methanated, Farm yard manure, Pearl millet, Vermicompost

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