



RESEARCH ARTICLE :

Effect of flyash and organic manures application on growth and yield of maize (*Zea mays* L.)

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SUMMARY : A field experiment was conducted during the *Kharif* 2015 to study the growth and yield of maize as influenced by application of flyash and organic manures. The results revealed that the growth parameters of maize were favourably increased with application of flyash with organic manures and highest plant height (195.2 cm), number of leaves per plant (13.30) and dry matter production (283.89 g plant⁻¹) were reported in treatment receiving flyash @ 15 t ha⁻¹ + municipal compost @ 15 t ha⁻¹ along with RDF over other treatment combinations. The yield and yield components of maize were also influenced by combined application of flyash and different organic manures. The significantly highest average number of grain rows per cob (14.53), average number of grains per row (43.80), test weight (43.39 g), grain yield (8530 kg ha⁻¹) and stover yield (13272 kg ha⁻¹) recorded in the treatment receiving flyash @ 15 t ha⁻¹ + municipal compost @ 15 t ha⁻¹ along with RDF.

KEY WORDS :

Maize, Flyash, Municipal compost, Vermicompost, FYM, RDF, Growth, Yield parameters

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