Effect of Poultry Manure on Weed dynamics and Yield of Hybrid Maize (*Zea mays* L.)

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ABSTRACT

A field experiment was conducted on clay loam soil at the irrigated upland farm of Tamil Nadu Agricultural University, Coimbatore, during *kharif* and *rabi* seasons of 2008 and 2009. The experiment was laid out in a randomized block design with three replications and ten treatments. The results revealed that application of poultry manure significantly influenced the weed dry weights. Lowest dry weights of weeds was recorded with 100 per cent RDF through poultry manure and it was comparable with 50 per cent RDF + 50 per cent RDF through poultry manure. Significantly superior values of grain and stover yield, harvest index were recorded with application of 50 per cent RDF + 50 per cent RDF through poultry manure during both the years of study.

Key words : Maize, Poultry manure, Weeds, Yield.