

Effect of Inorganic and Organic Sources of Nutrients on N Concentration and Uptake by Ashwagandha (*Withania Somnifera* L.)

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ABSTRACT

The field experiments were conducted during *rabi* 2007-08 (I year) and *kharif* 2008 (II year) at college farm, college of agriculture, ANGRAU, Hyderabad to study the effect of INM and *panchakavya* and bio-fertilizers on N concentration and uptake. The highest N concentration, uptake and dry root yield was observed in combination of 150% NPK along with castor cake @ 2.5 t ha⁻¹ + bio-fertilizers at flowering and harvest in both the years.

Key words : Ashwagandha, Castor cake, Vermi-Compost, *Panchakavya* and N uptake.