

Effect of Nitrogen and Phosphorus Levels on Herbage and Oil Yield of Palmarosa (*Cympogon martinii*)

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ABSTRACT

A field experiment was carried out during 2007-08 at Nagarjun Medicinal and Aromatic Plants Garden, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola. There were four levels of nitrogen viz., 0 kg (N_0), 40 kg (N_1), 60 kg (N_2), 80 kg (N_3) and three levels of phosphorus 0 kg (P_0), 20 kg (P_1), 40 kg (P_2) ha^{-1} , tried in factorial randomized block design with three replications. The experimental findings revealed that maximum plant height and number of tillers were recorded by the application of 80 kg N ha^{-1} and 40 kg P_2O_5 ha^{-1} . Similarly maximum fresh herbage and oil yield were noticed with the application of 80 kg N ha^{-1} and 40 kg P_2O_5 ha^{-1} .

Key words : Palmarosa, Oil yield.