

INFLUENCE OF INTEGRATED NUTRIENT MANAGEMENT ON VEGETATIVE GROWTH PARAMETERS OF MARIGOLD (*Tagetes erecta* L.)

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ABSTRACT

Different chemical and biofertilizers were tried at different levels to study the effect of integrated nutrient management on vegetative growth of marigold. Regarding the growth parameters viz. height of the plant, number and length of primary branches and stem diameter increased subsequently at all the growth stages of the crop and at 90 DAT, significantly maximum height of the plant (119.60 cm), number of primary branches per plant (13.26), length of the primary branches (36.50cm) and stem diameter (2.47cm) were recorded in the treatment receiving 70% RDF + *Azospirillum* 5 kg ha⁻¹ + PSB 5 kg ha⁻¹. Also this treatment showed maximum fresh weight of shoots (232.66 g) and roots (94.33 g) and total dry matter weight (100.35 g). However, the standard with recommended dose of fertilizers was found to be the second best treatment.