

NUTRITIONAL REQUIREMENTS OF SUNFLOWER

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ABSTRACT

Field experiments were conducted to determine N, P and K requirements of sunflower (*Helianthus annuus* L.) grown in heavy textured soils of rice tract. Four levels each of N (0, 60, 120 and 180 Kg ha⁻¹), P₂O₅ (0, 50, 75 and 100 Kg ha⁻¹) and K₂O (0, 60, 90 and 120 Kg ha⁻¹) in different combinations were put to test. Data collected on seed yield and yield components were subjected to standard statistical analysis. The crop indicated positive/significant response to N, P and K application. The quantum of response to N and P was much higher than K. Significant positive correlation was observed between seed yield and head size. Optimum fertilizer requirement computed was 142 Kg N, 66 Kg P₂O₅ and 34 Kg K₂O per hectare for sunflower under experimental condition.