

Research Article

Effect of nutrient management on yield and grain quality of sunflower (*Helianthus annuus* L.) under irrigated condition

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Summary

A field experiment was conducted to study the effect of nutrient management on yield and quality of sunflower under irrigated condition during *Rabi*, 2010 at Oilseed Research Station, Latur. The experiment was laid out in Randomize Block Design (RBD) with twelve treatments and three replications. The application of NPK@ 90:45:45 kg ha⁻¹ (T₆) recorded significantly maximum yield attributes *i.e.* number of filled seeds per plant (733.56), seed yield (1784 kg ha⁻¹), stalk yield (4279 kg ha⁻¹), dry weight of capitulum (1535 kg ha⁻¹), harvest index (29.42 %) and grain qualities *viz.*, oil yield (686.1 kg ha⁻¹) and protein yield (362.5 kg ha⁻¹). The treatment T₁ (control) recorded significantly highest (78.80) number of unfilled seeds per plant of sunflower crop. Fertilizer levels did not influence the test weight of sunflower significantly.

Key words : Nutrient management, Seed yield, Oil yield, Protein yield, Sunflower

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