

IMPACT OF SEED RATES AND PLANTING METHODS ON ECONOMIC OF WHEAT (*TRITICUM AESTIVUM* L.) UNDER IRRIGATED CONDITION

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Abstract: A field experiment was conducted to find out the economics of wheat crop with various seed rates and planting methods under irrigated condition. This experiment were laid out in split plot design with total 12 treatment combinations and replicated thrice. The treatment comprises of five planting practices (Broadcasting – M1, 25 cm Spacing – M2, 22.5 cm Spacing – M3 and 20 cm Spacing– M4) and four seed rate (100 kg ha⁻¹ - S1, 125 kg ha⁻¹ - S2 and 150 kg ha⁻¹ -S3). The maximum gross income (Rs 71722 ha⁻¹) was obtained at 22.5 cm apart which was higher other practices, broadcasting (Rs 39728 ha⁻¹) and 25 cm (Rs 66949 ha⁻¹). The maximum net return (Rs 47799 ha⁻¹) was recorded under the seed rate 125 kg ha⁻¹ than other seed rate 100 kg ha⁻¹ and 150 kg ha⁻¹, whereas the highest benefit: cost ratio recorded with 125 kg ha⁻¹ seed rate which is significantly higher in comparison to 150 kg (3.30).

Keywords: Wheat, Seed rate, Planting methods, Economics

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