

IMPACT OF NUTRIENT LEVEL AND SEED DENSITY ON THE YIELD OF SOME WINTER WHEAT VARIETIES

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The effects of four different nutrient level (60kg ha⁻¹ N, 0kg ha⁻¹ P₂O₅, 0kg ha⁻¹ K₂O; 90kg ha⁻¹ N, 30kg ha⁻¹ P₂O₅, 30kg ha⁻¹ K₂O; 120kg ha⁻¹ N, 60kg ha⁻¹ P₂O₅, 60kg ha⁻¹ K₂O; 150kg ha⁻¹ N, 60kg ha⁻¹ P₂O₅, 60kg ha⁻¹ K₂O), as well as three different seeding rates (300, 500 and 700 seeds m⁻²) on different winter wheat breeds have been investigated in this publication. The research was established in one growing season (2017/2018), with 5 winter wheat varieties (GK Arató, GK Bagó, Cellule, Lithium, GK Petur), in 4 repeats, on 10 square meter random layout plots in the research farm of the Department of Field Crops Research of National Agricultural Research and Innovation Centre, in Szeged-Öthalom. We determined the yield and evaluated our results with variance analysis according to the different nutrient level and seeding rates.