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Effect of Potassium Fertilization Level and Moisture Stress on Growth of Wheat Plant (Triticum aestivum L.).

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ABSTRACT

Experiment was carried out in the college of Agriculture, University of Diyala during the winter season 2013-2014. The aim of study was to determine the influence of potassium levels and water stress on the growth of wheat (Triticum aestivum L.) class parents of 99 for different growth stages and to identify the sensitive stages to water stress. Experiment was carried out according to the Randomized Complete Block Design (RCBD) in Factorial experiment. The study was consist of 12 treatment in three replicates three levels of potassium fertilizer added to the soil in a form of , Potassium sulphate (0-75-150)Kg K.Ha⁻¹ , while the treatments of tensile moisture , were a cut Retin non - consecutive terms in three stages (the branch and elongation and flowering) in addition to the , control treatment with out cut . The results of the study recorded increased of plant height , number of branch , leaf area and shoot at level of Potassium fertilizer (150)7.49 cm , 27.80 branch.m²- , 16.74 gm.plant⁻¹ Respectively. Tensile caused moisture (cut irrigation) to reduce the number of branches in the branching stage to reduce the leaf area and shoot in the flowering stage (11.69 branch.m²- ,63.46 cm², 49.51gm.plant¹) Respectively.

Keywords : Moisture – Potassium – Wheat .