

Effect of Organic Fertilizer and Nitrogen Fertilizer on Growth of Wheat in Salt Soil

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Abstract

Field experiment was conducted at college of Agriculture - University of Diyala to studying effect of two factors are organic fertilizer and nitrogen fertilizer on grow and productivity of wheat that growing in salt soil (10 dS m^{-1}), two levels of organic fertilizer were used (2 and 4 t h^{-1}) and three levels of nitrogen were used (0 , 50 and 100 kg h^{-1}). Result showed that both of organic fertilizer and nitrogen levels were significantly effect on agronomy and productivity attributes of wheat, interaction between second level of organic fertilizer and third level of nitrogen was best result in plant height 75.9 cm , tillers 7.1 , flag leaf area 31.4 cm^2 , dry weight of shoot 365 g , spike weight 3.36 g , number of spikes/ m^2 203 , number of seeds in spike 36.9 and weight of 100 seeds 11.22 g by significantly differences in other treatments.