

Second Article (Shared with others inside the specialization – Published in national Journal – Printout from master thesis).

Improving Wheat Productivity by Application Types Different of Fertilizer under Newly Reclaimed Soil Conditions. Egyptian Journal of Agronomy. The 15th Int. Conf. Crop Science, pp. 31 - 40		
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Article status	Shared with others inside the specialization – Published in national Journal – Printout from master thesis	Impact Factor: Local
<p style="text-align: center;">Abstract</p> <p>Two field experiments were carried out at the Experimental Farm (Demo) of the Faculty of Agriculture, Fayoum University, during 2015/2016 and 2016/2017 seasons, to study the effect of organic and mineral nitrogen fertilizers under foliar application of micronutrients treatments on yield and its components of wheat plants. The experimental design was split-split plot arrangement in randomized complete blocks design with four replications where organic fertilizers were considered in the main plot, nitrogen levels arranged in the sub plot and the subsub plot was foliar application treatments. Results indicated that significant differences between organic fertilizers. Applying poultry manure at the rate of 10m³/fad., gave the highest values of all studied characters. Addition, mineral nitrogen fertilizer at 80kg N/fad led to significantly increased in the all studied characters as compared to using (60kg N/fad and 40kg N/fad). Significant differences were observed among the foliar spraying treatments. Spraying in the mixture micronutrients (Fe, Mn and Zn at 100g/200L water/fad) recorded the highest values for all studied characters. From the above results it could be recommended that fertilizing wheat plants by poultry manure at the rate of 10m³/fad and foliar spraying with mixture micronutrients (Fe, Mn and Zn at 100g/200L water/fad) as well as addition 80kg N/fad, to improve the productivity of wheat yield under newly reclaimed soil conditions in Fayoum Governorate.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"><div style="text-align: center;"><p>عميد الكلية</p><p>أ.د/ نيفين على حسن السواح</p></div><div style="text-align: center;"><p>رئيس مجلس القسم</p><p>أ.د/ سمير كامل على أسماعيل</p></div></div>		