International Journal of ChemTech Research
CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.9, No.08 pp 154-161, 2016

Evaluation of the effect of chemical fertilizer and humic Acid on yield and yield components of wheat plants (*Triticum aestivum*) grown under newly reclaimed sandy soil

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Abstract : Two field experiments were carried out at the experimental Station Farm of National Research Centre, Al-Nubaria District, Al Behaira Governorate, Egypt during the two successive winter seasons of 2012/2013 and 2013/2014, to study the effect of NPK fertilization and foliar application with humic acid at the rate of 1,2 and 4 litre/ faddan on yield, yield attributes and grain quality characters of wheat plants grown under sandy soil condition. Highest values of spike length, number of grains/spike, grains weight/spike and thousand grains weight as well as grain yield were obtained by foliar spraying with 2 litres of humic acid/ faddan over both seasons as compared with other treatments. Higher content of carbohydrate and protein recorded with the same rate of humic acid treatment.

Keywords: *Triticum aestivum,* chemical fertilizer and humic Acid, wheat plants, sandy soil.

Manal, F.M. *et al* /International Journal of ChemTech Research, 2016,9(8),pp 154-161.

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