



ChemTech

International Journal of ChemTech Research

CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.9, No.07 pp 715-725, 2016

Performance of Wheat Plants in Sandy Soil as Affected by Foliar Spray of Potassium and Zinc and their combination

Manal,F.Mohamed, Thaloath A.T and Amal, G.Ahmed
Field Crop Research Dept., National Research Centre, Egypt

Abstract : Two field experiments were conducted during the two successive winter seasons of 2012/2013 and 2013/2014 in Research and Production Station, National Research Centre, Al-Nubaria District, Al Behaira Governorate, Egypt to study the effect of foliar spraying of zinc and potassium on growth, yield and yield components and some chemical constituents of wheat plants grown under sandy soil condition. This experiment includes six treatments which were control (without K and Zn), foliar spraying with K (10000 ppm), Zn (500& 1000 ppm), K (10000 ppm) + Zn(500 ppm) and foliar spray with K (10000 ppm) +Zn(1000 ppm). Results revealed that foliar spraying with either K or Zn significantly increased growth parameters, yield and yield components as well as nutrient concentration of wheat leaves, straw and grains as compared with unsprayed plants (control). However, the highest record obtained by the dual spraying of both zinc and potassium at high level of K (1000ppm) and Zn (1000 ppm).

Manal,F.Mohamed *et al* /International Journal of ChemTech Research, 2016,9(7),pp 715-725.
