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Effect of foliar application of macro nutrition on productivity lentil plant varieties under dripping system irrigation

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Abstract: Effect of nitrogen, phosphorus and potassium levels on some variety lentil (*Lens culnaris*L.) were study to investegat growth and yeild in newly reclamed, all through 2013/2014 then 2014/2015 respactevely . Experiments were approved out in station of National Research Centre, vallege of Emam Malk, Nobaria Egypt. Nitrogen, phosphorus and potassium were foliar at three levels (control, 1 and 2 g/l) from N: P: K 15:10:30 as foliar application at 30 and 45 after caltevated . In general, best outcome of data were recorded from the plants treated with NPK with level 2g/l at 45 days. Timing of fertilizer application also affected different yield components. The foliar application of NPK with variety giza 51 were more effective than NPK with other varietis in producing higher growth characters (plant height, number of branches/plant, number of pods / plant, seed yield/ plant, weight of 1000 seeds,grain yield t/ha, straw yield t/ha, biological yield t/ha) and seeds contents from (protien, N, P,k, Zn, Mg, Fe, Cu and Mn.

Keywords :*productivity and quality, varieties of lentil, spray of NPK, newly land.*

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