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**EFFECT OF FOLIAR SPRAYING OF SOME
NUTRIENTS ON SEED YIELD AND STORABILITY
OF PEA CROP**

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ABSTRACT

Two field experiments were carried out during the winter seasons of 2015/2016 and 2016/2017, at Sakha Horticultural Research Station Farm, Kafr El-Sheikh Governorate, to investigate the response of pea plants, *cv.* Master B, to Eight foliar application treatments including control (without spraying))were boron 10 ppm; manganese 200 ppm; 100 ppm zinc; boron 10 ppm + manganese 200 ppm; boron 10 ppm + zinc 100 ppm; manganese 200 ppm + zinc 100 ppm; boron 10 ppm + manganese 200 ppm + zinc 100 ppm at the three stages (shooting, flowering and podding). Moreover, the treated plants sprayed 3 times at 30, 45 and 60 days after sowing. The experiment layout was split plot system under randomized complete blocks design with 4 replications. The results indicated that foliar nutrients application at three stages, improved most vegetative growth characters, as well as green pods yield and its components, shelling ratio, seed yield and its components, seed germination percentage, leaf chlorophyll content and seed content of protein. Foliar nutrients application with (boron 10 ppm + manganese 200 ppm + zinc 100 ppm) was with best treatment that increases significantly vegetative growth characters, as well as green pods yield and its components, shelling ratio, seed yield and its components, seed germination percentage, leaf contents of chlorophyll and seed content of protein at shooting, flowering and podding stages under sodic-saline soils conditions.

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