EFFECT OF FOLIAR SPRAY OF PHOSPHORUS AND POTASSIUM FERTILIZERS ON GROWTH AND YIELD OF TOMATO CV. "WEGDAN" IN PLASTIC HOUSES.

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The experiment was conducted during the season 2009/2010 to investigate the effect of spray with three kinds of foliar fertilizers, first: contains high phosphorus grade 40, second: contain high Potassium grade 32, third: equalized grade (9-9-6). All these kinds were sprayed at three and six times as well as control.

The results showed significant effect of foliar spray of fertilizers as compared with control treatment and there was an increase in total flowers, unsalted fruits, fruit number/plant, fruit yield/plant and total soluble solids percentage. The data showed non-significant effect between treatments on number of flowers clusters and hardening of fruits, and also non-significant between high phosphor and high potassium treatments but there was an increase in values of most of characteristic studied in equilibrated fertilizer treatment (9-9-6) N:P:K as compare with spray treatments.