

EFFECT OF SPRAYING PROLINE AND ARGININE IN THE WET AND DRY WEIGHT OF SHOOT AND ROOT AND YIELD OF EGG PLANT IN PROTECT CULTURE.

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ABSTRACT

Field experiment was carried out on eggplant *Solanum melongena* in green house in the College of Agriculture Department of Horticulture- University Diyala during the season 2013 to study the effect of amino acid added at a beginning of tillors stage in growth and yield of eggplant (Variety:Barcelona) as has spray after the first four weeks of planting seedlings inside the plastic house and the period 14 days between the workshop and the other was the number of sprinkles 7 workshops. And carried out the experiment in accordance with the of a Randomized Completely Block Design RCBD, the results outweigh the treatment of overlap spraying acid amino proline and arginine concentration of 200 ppm for each of them to get the highest values of the attributes of wet and dry weight of shoot and root indicated as was 946.67 g 195.67 g , 236.67 g, 59.33 g, respectively, compared to the control treatment, which amounted to 296.67 g, 58.33 g, 56.00 g, 16.66 g, respectively, while the treatment given the overlap spraying amino acid proline and arginine concentration of 200 and 0 ppm each respectively to obtain the highest values of the attributes of a number of fruits and Yield of the experimental unit, as was 35.66 fruit, 5.34 kg. respectively.

Keywords: Proline , Arginine, Wet and dry weight of Shoot, Wet and dry eight of Root