

P-119 (166)**EFFECT OF DIFFERENT NUTRIENT SOLUTION EC DURING GROWTH STAGES ON FRUIT AND VEGETATIVE CHARACTERISTICS OF STRAWBERRY IN HYDROPONIC SYSTEM**

Leila Pourhosseini, Department of Horticulture, Karaj Branch, Islamic Azad University, Karaj, Iran; lpourhosseini@gmail.com (Presenting author)

Hydroponic plant production systems allow the manipulation of fertilization to modify plant characteristics. In this study different modifying of electrical conductivity (EC) of nutrient solution during growth stages was investigated on yield and vegetative characteristics of strawberry. EC levels Program were including 0.9, 1.3 and 1.7 mS/cm, 0.9 mS/cm in vegetative growth stage and increase to 1.3 mS/cm at the start of bearing, 0.9 mS/cm in vegetative growth stage and increase to 1.7 mS/cm at the start of bearing. It was carried out in split plot in randomized complet block design in greenhouse. In this experiment fruit weight, fruit size, runner number, hight and width of plant was measured. Results showed that vegetative growth and runner number was encouraged by 1.7 mS/cm of nutrient solution. Fruit size and weight were highest when EC was 1.3 mS/cm in all plant growth and bearing stages.

Keywords: Key words: strawberry, hydroponic, electrical conductivity (EC), nutrient solution, vegetative characteristics, Fruit size