

The performance of aquaculture on the cultivation of tomatoes (Lycopersicon esculentum Mill.)

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Abstract

Hydroponics is very present in horticulture and in the intensive cultivation of certain fruits and vegetables. It accelerates the fruit ripening process through a faster nycthemeral rate and allows several harvests per year. This research was done in a glass greenhouse at Constantine University1. In the NFT (Nutrient Film Technique) system, on four varieties of the tomato: Campbell33 (India), Super Strwh (USA), Coeur de boeuf (Algeria), Heinz1350 (USA).

the objective of our experiment is to cultivate these varieties of tomato under the conditions of hydroponic culture, as well as in the various nutritive solution with a substrate of clay biles (a natural support), and to study the morphological parameters (plant height, number of leaves, leaf area), and the phenological parameters to the installed system and compared the development of the varieties with each other.



Biography:

Radia Bouchareb currently works at the Department of Biology and Plant Ecology, University of Constantine 1. Radia does research in Agronomy, Agricultural Plant Science and Agricultural Economics. Radia Bouchareb is Associate professor in the Department of Biology and Plant Ecology. He started his research on Agronomy at University frère mentouri constantine 01. Dr. Radia Bouchareb has successfully published several papers related to the area of Agricultural Plant Science.



Speaker Publications:

1. "Evaluation the water stress tolerance of ten durum wheat genotypes by some physiological parameters"; Int. J. Biosci. / 2017 / 10(5) / 250-256
2. "Performance of Ten Durum Wheat (Triticum durum Desf.) Cultivars under Semi Arid Conditions (North Africa-Algeria)"; African J. Basic & Appl. Sc. / 2019 / 6(5) / 148-152
3. "To study ways to add a phosphorus on vegetative growth of wheat plants growing under conditions of Algeria"; Agric. Biol. J. N. Am. / 2013 / 4(3) / 300-308.
4. "Morphological and agricultural diversity of durum wheat varieties sown in a semi-arid area"; / 2016 / 10 (4)

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