Investigation of Green Fruit Yield of Indeterminate Tomato Varieties at Different Locations in Open Field Conditions

Funda YOLDAŞ[1],
[1] Ege University, Odemis Vocational High School, 35750, Odemis, İzmir
E-mail: fundayoldas@hotmail.com

Abstract

The study was carried out in Odemis Vocational High School's practice and research field, and Bozdag plateau. Tomato seedlings were planted in 75x40 cm planting distance as 15 plants in each plot. 2 locations, 2 varieties (Delphin F1-Elitra Company, V1; Newton F1-Syngenta Company, V2), two years were used in randomized block design in three repeats. Number of green fruits per plant (pcs), green fruit total yield (kg/da) were studied.

In the study, the results of the first year, the green fruit total yield were found to have statistically significant levels. The highest yield with a value of 743, 13 kg (Bozdag) were obtained in first year. In second year, the highest value was obtained from Newton F1 (2768, 37 kg). In Odemis location, highest yield with a value of 2531, 94 kg were obtained in second year.

The highest number of green fruits per plant with a value of 4, 60 pcs (Odemis) were obtained in first year. In second year, the highest value was obtained from Newton F1 (13, 04 pcs). In Odemis location, highest value of 13, 23 were obtained in second year.

Key Words: Alternative vegetable, indeterminate tomato, yield of green fruit, locations.