

The effects of different dates of cultivation and on early maturing and other characters of two Onion cultivars

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This study was conducted on the effects of three different cultivation dates (D) with two different cultivation methods (C), on two onion cultivars, Azarshahr Red and Kashan White, in a RBCD based split split plot with four replicates in Khosrowshahr in two years. Yield, earliness, dry matter percent and total soluble matter were evaluated. Simple and combined analysis of variance showed that interaction between date and method, D*C, have high significant, 1%, and the first date (Apr 29), D1, had high yield (28.71 ton/Ha). Seedling cultivation, C1, had a 5.74 ton/ha increase on yield than sowing. The effects of years had no significant effect. Azarshahr Red had 4.21 ton/ha yield increasing than Kashan White in D1 and had the least yield in D3, so late cultivation had decreased the effects on yield. C1 * D1 had 32.90 ton/Ha and C2 * D3 (May 29) had 17.67 ton/Ha. Seedling culture showed higher dry matter percent and soluble matter than sowing. Total dry matter in Azarshahr Red was higher than Kashan White also. As a result we can say onion early seedling cultivation can increase yield quality, quantity and earliness. Azarshahr Red was the best cultivar for Azarbaydjan region.