

Effect of planting date and intra-row spacings on seed quality and quantity of onion in Esfahan.

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In order to study the planting dates and intra-row spacings on seed yield of onion (*Allium cepa* L. CV. Texas Early Grano 502) an experiment was conducted in Kabootar Abad Research Station in 1998-99. The experimental design was a split-plot with a randomized complete block arrangement and four replications. Main factor was four planting dates (every 15 days from 22nd September) and sub factor was plant space on rows (10,20 and 30 centimetres).

The results showed that seed yield increased significantly in first and second planting dates (about 2300 Kg/ha) as compared with third and fourth, seed yield increased significantly as plant space decreased from 30 to 10 centimetres. Among yield components, umbels/m² had the most contribution in the seed yield.

Planting dates and plant spacings didn't have significant effects on seed quality traits (percent and rate of germination).