

Research effect of gibberellic acid on uniformity of seedstems length and flowering time as well as increase seed yield of Azarshar onion (*Allium cepa*).

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In this research the effect of different levels of gibberellic acid (0, 25, 50, 150 and 450 ppm) on the properties of seedstalk length and umbels maturing time uniformity as well as the seed quality and quantity of Azarshar onion were analyzed.

Treatments were conducted at the emergence the first flowerstemes. The results obtained from the analysis of variances indicated that the effect of levels of 50 and 150 ppm of this growth regulator on this properties was higher than other and 50 ppm treated plants had an increase of seed yield about 25%, but the 50, 150 and 450 ppm concentration had no effect.

In this experiment the effect of GA3 on the mca number and seedstalks length and umbels maturing time was not significant but the effect on the seed quality properties was positive and treated plants showed more normal seedlings and dry weight.