

Study on the optimum bulb size and plant spacing for seed production in Autumn and spring (CV.Red Azarshah2)

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This experiment was conducted from 95-97 on a split plot design in Karaj to determine the best bulb size and plant spacing . Bulb diameters (2.5-4,4-5.5,5.5-7 and >7) cm in horizontal plots and plant spacing (10,15,20,25) cm in vertical plots on Red Azarshr onion were used . Selected bulbs were planted in autumn and sprig separately for two years. The usual cultural practices were applied and data were recorded . The yield was analyzed statistically every year and a combined analysis of variance was done at the end of two years . The obtained results are as folloes:

There is highly significant difference between the different bulb sizes and yield amout and a certain correlation between bulb size and yield. and also the effect of plant spacing is signifieant at 1% level too.

So accordingto result the planting time in autumn and the bulb size 5.5-7 cm and plant spacing 15cm on rows are quit effective for seed production of red Azarshahr onion in Karaj.