

RESEARCH ARTICLE :

Growth and bulb production in daffodil cv. tunis as affected by planted bulb weight, nitrogen application time and deheading

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SUMMARY : A field experiment was conducted during 2009-10 and 2010-11 to study the effect of planted bulb weight, nitrogen application time and deheading on growth and bulb production in daffodil cv. Tunis. Planted bulb weight at 15.00 t/ha registered 30.30 and 50.47 per cent higher bulb yield than 12.50 and 10.00 t/ha planted bulb weight, respectively. Number of leaves, leaf dry weight, leaf area/plant number of bulbs and total yield of bulbs/ha were also highest at 15.00 t/ha planted bulb weight, however, weight of bulbs/plants was higher at 10.00 t/ha. Days to sprouting remained unaffected by planted bulb weight. Nitrogen application in two splits one each at 1st Week of March and April significantly improved all growth characters, yield attributes and yield than other application timings. Nitrogen application in 1st week of March and April (two equal splits) increased the total bulb yield by 9.88 and 21.56 per cent over its application in single split at 1st Week of March and two splits in 2nd Week of November and 1st Week of March, respectively. Deheading at tight bud stage produced significantly higher growth characters, yield attributes and yield than no deheading. The bulb yield increase with deheading treatment was to the tune of 5.14 per cent higher over no deheading.

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