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RESEARCH PAPER

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Influence of different onion cultivars on storage life under central dry zone of Karnataka

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SUMMARY :

Twenty cultivars of onion were studied for storage life under ambient conditions for four months. The minimum per cent of sprouting was observed in Arka Bindu (0.61 % and 2.06 %), whereas, the Agrifound dark red recorded the maximum per cent of sprouting (6.23 % and 17.28 %) after three and four months of storage, respectively. The minimum per cent of rotten bulbs was observed in Arka Bindu (1.84 % and 3.28 %), whereas, the agrifound dark red recorded the maximum rotten bulbs (3.78 % and 17.28 %) after three and four months of storage, respectively. After one month of storage the minimum storage loss in weight observed in Arka Bindu (1.60 %), whereas, maximum recorded in Agrifound dark red (6.03 %). While, after two months of storage the minimum storage loss in weight was observed in Bhima Kiran and Bhima red (5.50 % each), whereas, the maximum was recorded in Arka Kalyan (6.03 %). After three months of storage the minimum total loss in weight was observed in Bhima Kiran (7.73 %), whereas, maximum was recorded in Agrifound dark red (28.50 %).While, during four months of storage the minimum total loss in weight was observed in cultivar Arka Bindu (12.80 %).

KEY WORDS : Bulb weight, Equatorial diameter of bulb, Marketable bulb yield, Neck thickness, Polar diameter of bulb

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