

Investigating of different cultivars of *Prunus avium* L. in Moghan plain.

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Abstract In order to appropriate genotypes having high yield and quality of fruit in Moghan, Ardebil province, five varieties of cherries (Buralt, Napoleon, Zhan, karj's zard (yellow) and Lambert) in a completely randomized design with four replicates for 18 months were evaluated. Growth characteristics including length and diameter of branches at this year, middle node, length, leaf area, trunk cross-sectional area; of reproductive traits including flowering date, percent loss of flower, initial fruit formation percentage, the percentage of the initial loss of fruit, percentage loss of the second stage of the fruit, the percentage of ultimate loss, time of ripening, fruit length, average fruit diameter, average fruit weight, yield per tree, meat, fruit, soluble solids, medium acidity, fruit sugar, for every variety were measured. The results showed that Lambert variety moderate growth, had a appropriate fruit and high yield. The buralt variety had a precocious and suitable marketing. The Zhan variety had a further final percentage of fruit formation and Lower yield. Also, It had fruit acidity to destroy later than varieties. Karaj's variety had a fruit sugar than in the other varieties.

Keywords : Keywords: Sweet cherry, comptability, cultivars, quality, quantity , yield.

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