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EFFECTS OF HARVESTING DATE ON NUT CHARACTERISTICS OF PERSIAN WALNUT IN ESTAHBAN, FARS PROVINCE

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Juglans regia L.

Arck

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Packing tissue

Nut

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Hasey

Kernel plumpness

Westwood

Kernel

Shell

Husk

(*Juglans nigra* L.)

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Fig. 1. Persian walnut kernel color at different harvesting dates, a. 5th August, b. 12th August, c. 19th August, d. 26th August.

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.d

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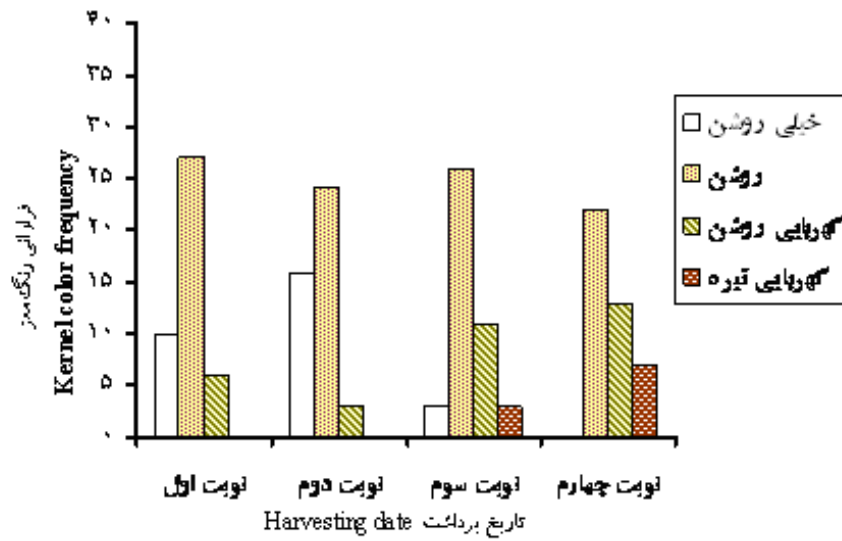


Fig. 2. Frequency of Persian walnut kernel colors at different harvesting dates.



Fig. 3. Colors of packing tissues around kernel halves of Persian walnut, a. White (immature), b. Just turned brown (mature), c. Dark brown (past optimum maturity).

) .b () a) .c (.() (

Table 1. Effects of different harvesting dates of Persian walnut on nut husk dehiscence percentage, shell thickness, nut length, diameter and width.

Shell thickness (mm)	Nut width (mm)	Nut diameter (mm)	Nut length (mm)	Husk dehiscence percentage	Harvesting date
1.65a	32.42a	29.23a	33.56a	2.33a [†]	5 th August
1.63a	32.74a	29.58a	33.4a	4.19a	12 th August
1.63a	32.97a	29.86a	34.18a	3.98a	19 th August
1.62a	32.29a	30.12a	33.40a	43.90b	26 th August
13.20	7.50	7.40	8.08	22.8	CV

[†] Each value is the mean of 900 nuts. Values followed by the same letter are not significantly different ($P < 0.01$) using Duncan's new multiple range test.

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Table 2. Effects of different harvesting dates of Persian walnut on nut average weight, kernel percentage, light kernel percentage and average kernel weight.

() Average kernel weight (g)	Light kernel percentage	Kernel percentage	() Nut average weight (g)	Harvesting date
4.76a	97.62b	43.83a	10.94a [†]	5 th August
5.30a	97.13b	47.37b	11.29ab	12 th August
5.43b	91.00b	47.81b	11.73ab	19 th August
5.78f	80.39a	47.92b	12.16b	26 th August
18.90	17.30	13.35	14.90	CV

[†] Each value is the mean of 900 nuts. Values followed by the same letter are not significantly different ($P < 0.01$) using Duncan's new multiple range test.

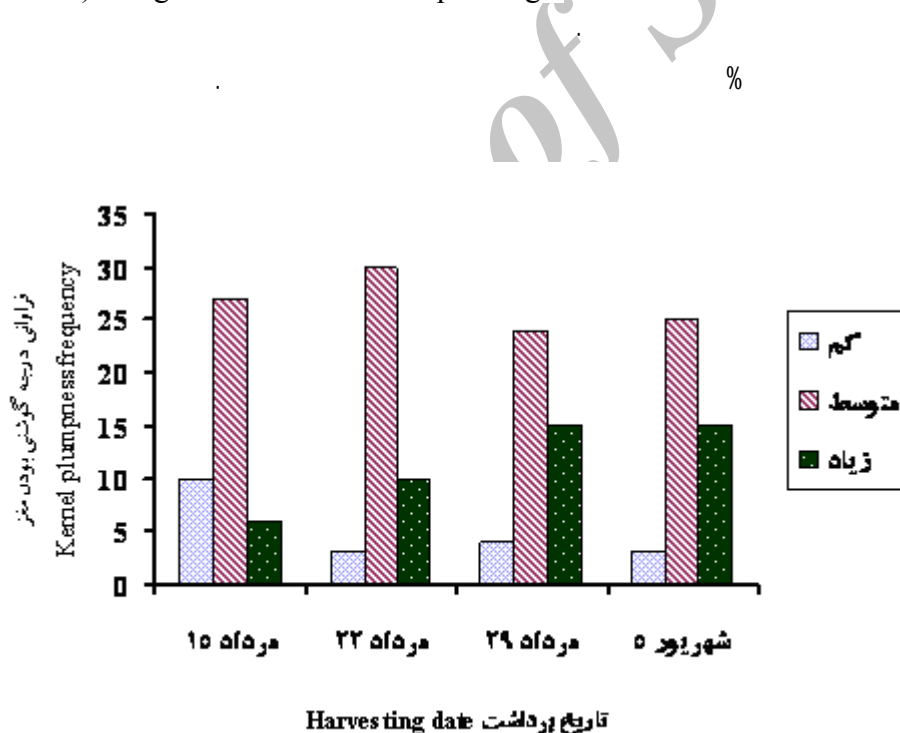


Fig. 4. Frequency of Persian walnut kernel plumpness at different harvesting dates.

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