

A Comparison of Vegetative, Morphological, Qualitative and Quantitative Characteristics in Local and Foreign Varieties of Almond

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In order to find out the choice varieties of almond, 54 varieties, including 22 French and 32 local varieties, in group balanced block designs were examined in six groups of nine varieties with three replications. The groups were set according to shell thickness, from thickshell to papershell. Five-year-old bitter almond rootstock were used in the evaluation. The varieties were studied according to IPGRI almond descriptor, in terms of vegetative, morphological, qualitative and quantitative characteristics.

Statistical analysis was done and, eventually, the better varieties of each group in terms of yield were determined.

The grouping of almond varieties have been significant in the level of %1. The choice varieties of each group regarding the yield (Kg per tree) which have a significant difference in the level of %1 are:

- A. Group 1: complete thickshell, varieties 7(13.53 Kg) and 8 (9.83 Kg).
- B. Group 2: thickshell, varieties 2 (7.02 Kg), 20(4.97 Kg), 26 (4.42 Kg), 28(3.98 Kg) and 29 (2.91 Kg).
- C. Group 3: half- thickshell, varieties 1 (6.52 Kg), 11(5.90Kg), 27(3.60) and 32(2.01 Kg).
- D. Group 4: Fairly thickshell: varieties 3(9.95 Kg), 9(8,67 Kg), 12(8.65 Kg), 17(6.85 Kg) and 36 (6.56 Kg).
- E. Group 5: Fairly papershell: varieties did'nt have a significant defference, regarding the yield.
- F. Group 6: Papershell, Varieties 10(5.44 Kg), 13(2.48 Kg), 14(2.13 Kg), 15(1.97 Kg), 16(1.24 Kg) and 18(1.01 Kg).

stresses with 30,45 and 60 days intervals, have been proved. Since *Fusarium* species for there stablishment and pathogenicity need a low humidity with humidity stressforces and such fungi, special care must be taken in the administration of orchards, particulary while combating with this disease (water administration and avoiding cucurbitaceous crops) which is concidered as a limiting factor in the development of these orchards.