

The promising genotypes of walnut

A. Alizadeh

West Azarbaijan Agriculture Research Center, Urmia.

For selecting the compatiblest genotypes with climatical conditions of west Azarbaijan, a study on collected walnut population in kahriz agriculture research station was started.

In this study 23 quantitative and qualitative characteristics related to plant , fruit and kernel of 753 genotypes were evaluated and the following superior genotypes were introduced:

- 1- From point of yield : KH₄₂, OR₆₄, FA₂, KH₄₇, OR₁₄₅.
- 2- From point of growth vigor of trunk : OR₅₁, OR₅₃, K₁₄₂
- 3- From point of early bearing : KH₉₁ , KH₈₇.
- 4- From point of Kernel percentage : OR₄₄, A₁₄₄, OR₁₂₆, B₂₁, OR₄₅.
- 5- From point of dateral Fruit set ; K₁₄ , T₂₄, KH₈₇, OR₆₄ , B₂₁
- 6- From point of resistance to late spring frost : OR₁₂₆ , KH₉₆, C₂₃.
- 7- From point of resistance to bacterial and fungal diseases: K₁₄₂ , OR₅₁(resistant) and KH₅₀ ,KH₆₉ (sensetive)

Finally, it seems that Urmia (OR) genotypes are better than other genotypes.