

## **Introducing the best packaging ways and materials to increase shelf life of Mashhad Black cherry**

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One of the most important means of loss reducing of agricultural products and export development attention to post harvest processing. Proper packing is an effective factor to help the success of this action.

The aim of this research is development of fresh fruit packaging techniques , reduces the losses and development of exports.

This experiment was carried out in three steps: 1. post harvest process 2. Packaging 3. Storage after packaging.

The effect of different fruit packaging films (with different thicknesses and denseties) and different sizes and hights of the packages on fruit quality and its shelf life were studied and compared.

Results show that two treatments with following factors were the best treatments:

- 1) Pack size 500gr , fruit hight in the pack z Layers and film thickness of 70 um.
- 2) Pack size 250gr, fruit hight in the pack z Layers and film thickness of 25 um.

### Qishlagh.

4 . In gardens with moderated lime soil or lime soil with heavy texture such as clay soils, silty clays , the chlorosis was high (30 - 90 percentage).sample gardens can be observed in Ardabil region ( Bassij Square, Shahrak Sabalan , Erdi Chai), Pars Abad , Nir and Neilegh.

5. For the treatment of the deficiency of iron in affected trees of Ardebil region , the trees recieving soil application of iron compounds such as iron sulphate did not show any improvement .

6 . Sequestrene 138 Fe which is available in the form of Chelate was able to overcome the trouble completely and impressive results were observed on the growth and appearance of the affected trees. The following dosages were applied to the canopy lime at the soil . Small shrubs (3-4 years old ),25 grams medium size trees (4-6 years old ) , 50 grams trees (6-12 years old ) , 75 grams older .

The effect of this compound in this region lasts for one year .