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Pomegranate, its Biological Characteristics and Economic Significance

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Abstract:

In the conditions of Uzbekistan, pomegranates are buried before winter. When drawing up technological cards, the main attention is focused on the selection and implementation of economically efficient methods of growing agricultural products in the conditions of the farm. The model technological map of pomegranate cultivation in pomegranate orchards with buried crops on irrigated lands is based on the latest scientific and technological achievements and advanced practices, and includes a total of 29 agro-measures.

Keywords: Pomegranate, technological card, agrotechnical activities.

Introduction

Pomegranate family (Punicacaceac). This family belongs to the ancestor of bilberries (MYPTALES), the branches are often thorny and jagged, the leaves are simple, glossy, dark blue above, pale blue below, clustered on young branches. It is a shrub or tree that sheds its leaves in autumn. Flowers are large, bisexual, actinomophorous, calyx and sepals 5-8 lobed. He has many fathers. The mother is free or grown together with the flower , it is arranged in two layers, with 11-14 fruit leaves. The node is lower, 3-7 cells. The fruit is large, spherical, fleshy skin, false berry. The seeds are many and pointed, watery, with a sweeter sour taste, covered with flesh. This family consists of the only pomegranate genus that grows wild in Asia Minor, Iran, the Caucasus, and the southern region of the Central Asian republics.

Pomegranate genus (Punica). It includes 2 types. Common pomegranate (P.granatum). It is cultivated in the subtropics as a fruit plant and decorative shrub. The young branches of the common pomegranate are prickly, the flowers are very large, light red, single or in bunches of 2-4. Petals are not 7-8 connected, flowers have dimorphism. The first variety is a cup-shaped, long-flowered flower. [1].

The flowers of the second type are bell-shaped, the pistil is short, and it does not turn into fruit. It blooms in June and July, some of them open in autumn. Fruit leaves are 4-14, located in two layers. As a result, the nest of the knot will not be level. The fruit is thick fleshy, spherical, large, weighing 700 grams. Depending on the variety, the seeds are dark red, light red, pink and white, covered with sweet or sour, mushy flesh derived from the integument of the seed pod. Pomegranate is widely cultivated in Central Asian republics, especially in Uzbekistan. It is also grown in Azerbaijan and Georgia. Pomegranate is important as a subtropical fruit. The best varieties of pomegranate are grown in the Fergana Valley, but are buried in the fall. It is one of the best fruit and decorative plants. The delicious juice (juice) that refreshes when drinking pomegranate juice is not inferior to the best orange varieties in terms of taste and aroma, and is superior to them in terms of color.

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Pomegranate juice contains 5-20% sugar and 0.5-10% organic acids, dulyl and pectin substances, depending on the variety: ripe and raw. In many countries, pomegranates are processed to make juice, soft drinks, and kiyam. But eating pomegranate in its natural form is more beneficial. Both the bark of the root and the skin of the fruit contain a large amount of double substances, and it is used in medicine as a laxative and carminative. [2]

Acetic acid is obtained from it. Pomegranate lives for 100 years or more. It is easily propagated by rhizomes, cuttings, division and seeds.

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