

enzyme units. Phosphatase readings greater than 350 mU/L indicate product pasteurization issues, according to US and EU pasteurization requirements. The PasLite test detection limit for liquid dairy products is 20 milliunits per liter (mU/L) phosphatase (~0.002% raw milk). This is much lower than the 350 mU/L level (0.1% raw milk) mandated by nearly all public health agencies [4].

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PUMISELECT CLONAL ROOTSTOCK

Тарабанов Р.В – здобувач вищої освіти групи А1/2

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Щеплення є одним із головних агротехнічних прийомів у садівництві. Саме за допомогою нього ми отримуємо якісний посадковий матеріал. Та якщо прищепка практично не впливає на компактність крони, то від «підщепи» залежить те, наскільки рослин буде дерево, тож треба досить серйозно підійти до вибору підщепи. У статті досліджено щеплення на даний момент найперспективнішою підщепою для кісточкових культур «Пуміселект».

Ключові слова: щеплення, крона, підщепка, пуміселект.

Grafting is one of the main agricultural techniques in horticulture. It is with his help that we get quality planting material. But if the rootstock has almost no effect on the compactness of the

crown, then the "rootstock" depends on how tall the tree will be, so you need to take quite seriously the choice of rootstock. At the moment, the most promising rootstock for legumes is Pumiselect.

Keywords: *grafting, tree crown, rootstock, pumiselect.*

The rootstock is the foundation of a fruit tree. Therefore, it plays an important role in both the life and fruiting of the tree: it affects its size, fertility, durability, frost resistance, drought resistance, fruit quality, and more. So, when choosing a seedling, it is important to know on which rootstock the cultivar is grafted, or on the other hand, when making demands on the future tree, we choose a seedling on the appropriate rootstock.

One of such representatives is Pumiselekt - a dwarf clonal rootstock, for large-seeded crops such as plum, apricot, peach, nectarine, and more. From the outside, it is a shrub, or less often a tree up to 2-3 m tall with linear-shaped leaf blades. This rootstock was obtained as a result of the selection of (*Prunus pumila*), it showed excellent results after many years of testing in Germany. The selection was carried out at the University of Heisenheim by Professor Helmut Jakob (Germany) in 1973. The first tests date back to 1986/1995.

This rootstock is vegetative, i.e. capable of vegetative reproduction, or reproduction by body parts. It is especially easy to propagate by woody cuttings. To do this, annual shoots from the uterine bush are cut in November and cut on cuttings 20-25 cm long. Planting should be carried out in autumn or early spring, completely deepening the cuttings into the ground. Cuttings take root by 75-95%, depending on care. To increase the rooting of cuttings, watering is carried out in March - April, when the buds begin to germinate. Despite the ease of reproduction, the rootstock is quite precious, because the price of one cutting with a diameter of 10-12mm is 5-7 UAH.

Trees grafted on Pumiselect form a well-branched and strong root system, which allows you to successfully engage in gardening in areas of shallow groundwater. Also characterized by high awakening of the kidneys, grow small, have high fruiting, and therefore their garter is recommended. The rootstock itself is demanding to the soil, does not tolerate flooding. Although the root system is quite powerful, it is also superficial. Requires support and high agricultural background. Recommended for use in intensive plantations [1].

So, today, Pumiselect can be considered the most promising rootstock of the plum group. First, it is capable of vegetative propagation, which greatly facilitates its spread among gardeners. Secondly, trees grafted on Pumiselect have a low and very compact crown, which contributes to more efficient harvesting. And thirdly, the fruits on it have a very attractive appearance and size, so there is a greater demand for them.

Література:

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