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THE BIOLOGICAL PECULIARITIES OF THE NEW SWEET CHERRY VARIETIES GROWN IN THE NORTH OF THE REPUBLIC OF MOLDOVA

Russu Stanislav

Technical University of Moldova, Chisinau, Republic of Moldova

E-mail: stanislav.russu@doctorat.utm.md

The variety is a factor of renewal and progress in horticulture, and is becoming increasingly important along with the production technologies and the ways of fruit utilization. Currently, at the international level, under the pressure of constantly growing market demands the requirements for the sweet cherry fruit varieties are as follows: there must be highly productive, be larger than 26 mm, with a dense pulp texture, a visually attractive red-yellow color, a thick stalk of medium length, sweet taste and intense specific aroma.

In 2018, the „Sermopharm” Company planted 10 hectares of sweet cherry trees of the Kordia, Regina, Summit, Sweet Valina, Sweet Stefani, Sweet Sharetta and Sweet Marissa varieties, grafted on Gisela 6, at a distance of 4x1 m. The trees had super spindle-shaped crowns. The biological characteristics of the new varieties imported from Italy were studied.

Kordia is a self-sterile variety resistant to diseases specific to sweet cherry trees. The burgundy skinned fruit are medium-sized, cordiform and elongated. The flesh is crunchy, juicy, sweet, non-adherent to the seed, and has a pleasant taste. Regina is a self-sterile variety susceptible to bacterial canker and leaf curl. The fruit are large, elongated, cordiform, with red shiny skin. The pulp is very consistent, slightly juicy, and sweet which possess optimal taste qualities. The fruit are resistant to handling, transportation and cracking caused by rain. Summit is a self-sterile variety susceptible to moniliosis. The fruit are cordiform, with red shiny skin and a very attractive appearance. The flesh is red, adjacent to the seed, medium hard, crispy, juicy, sweet and very tasty. Sweet Valina is a self-sterile variety resistant to fungal diseases. The pulp is fleshy, juicy, very aromatic, sweet with a good level of acidity. The fruit are large (diameter 32-34 mm), in the shape of a bright red heart. Sweet Stefanny is a self-fertile variety resistant to fungal diseases. It has an excellent pulp consistency: fleshy, juicy, very aromatic, sweet and with a good level of acidity. The heart-shaped red colored fruit are large (diameter 30-32 mm).

The purpose of the study was to study the technological properties of sweet cherry varieties taken from the world assortment and grown for the first time in the Republic of Moldova. During the fruiting period, the yield of the studied varieties was 15-20 t/ha.

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