

Characteristics in inheritance of some traits in the F1 progeny from hybridization of Kyustendilska Sinia Sliva with monfort plum

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Abstract

A hybridological analysis was performed with the fruits of F1 progeny from the crosses of Kyustendilska Sinya Sliva and Monfort. Dates of beginning of fruit-bearing and ripening of fruits were established. Their weight and stone weight were determined. Qualities of fruits were studied. A hybrid progeny of 143 seedlings was investigated.

Great diversity was found with regard to the studied traits. The first seedlings having begun to bear fruit were found in the fourth year, and the half of all seedlings fruited for the first time in the fifth year. In more than the half of them, the fruits reached picking ripeness in September. Almost 1/3 of the fruits of the studied seedlings were small sized with weight of up to 15 g, and only in three of them the weight was over 30 g.

Key words: plum, hybridization, hybrids

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