



MORPHOLOGICAL AND CHEMICAL PROPERTIES OF SELECTED SWEET VIOLET POPULATIONS

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Sweet violet (*Viola odorata* L.) blooms in continental climate conditions in early spring (March-April) with delicate flowers of attractive scent because of which it is frequently gathered from its natural habitats. Differences among the populations were established according to their morphological properties of twelve populations from Križevci area. Stated information indicates that the populations gathered from meadow – habitat are shorter and have a smaller diameter than the populations gathered from the habitat in forest, whereas the population from the orchards has the highest number of leaves and flowers. Correlation analysis shows strong ($P<0.01$) positive connection of the root mass, leaves mass, number of leaves with the total mass of the plants, as well as connection of the plant mass with the number of flowers.

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