

YIELDS OF THE CHARDONEY VARIETY IN THE VINEYARDS OF VOJVODINA DURING 2022

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Abstract

In recent years, vineyards with this variety have been growing more intensively in Vojvodina. The variety belongs to the mid-late era of ripening, the yield of grapes varies and ranges from 6000 to 10000 kg/ha. This white wine variety suit moderately fertile, loose, calcareous and warm soils. It has a good affinity with the rootstocks Kobber 5BB, Teleki 8B, SO4. The sugar content ranges from 20 to 24%, and the total acid content from 6 to 8 g/l. The content of sugar (%) and acid (g/l) was determined using an Excel Schwolder, and by titration with NaOH with the help of bromothymol blue. Research was carried out during 2022 in the locations of Banoštor, Subotica and Vršac, which belong to the Fruška Gora, Subotica-Horgoško and Vršac vineyards. At the Banoštor location, in a 12-year-old vineyard planted on the type of soil of arable land, a yield of 8.1 t/ha was measured, where we determined the content of total acids at 6.2 g/l and the content of total sugars at 20.7%. At the location of Subotica, in a 22-year-old vineyard, which was planted on a sandy soil type, a yield of 8.8 t/ha was measured, where we determined the content of total acids 6.5 g/l and the content of total sugars 23.4%. At the Vršac location, in a 20-year-old vineyard planted on sandy loam soil, a yield of 8.4 t/ha was measured, where we determined the content of total acids at 6.8 g/l and the content of total sugars at 22.2%. The poor distribution of rainfall for viticulture indicates that younger vineyards achieved lower or similar yields, of lower quality compared to older plantations that were planted on more permeable and poor soil types.