THE INFLUENCE OF CLIMATIC FACTORS ON RED GRAPE VARIETIES FOR RED WINE IN THE VITICULTURAL CENTRE OF RATESTI

Author: Ionela Mihaela UNGUREAN,
Scientific coordinators: Nastasia POP
University of Agricultural Sciences and Veterinary Medicine, 3-5 Manastur St., 400372, Cluj – Napoca, Romania; ionela_ungurean@yahoo.com

ABSTRACT

In this paper, we aimed to study the influence of the climatic factors of year 2015 on the red grape varieties for obtain hight quality red wine, from the Silvania Vineyard, the viticultural center of Ratesti. The research was conducted on the following varieties: Fetească Neagră, Merlot, Pinot Noir grafted on the SO4-4 rootstock. The observations regarding of the development of the main phenophases, the fertility and productivity elements, the quality and the quality of the crop were conducted. Watching the development of the main phenophases, the first variety that started its vegetation cycle was the Fetească Neagră, followed by the Merlot and the Pinot Noir. The production of the Fetească Neagră variety is the highest, around 2,280 kg of grapes/ vine, and the least productiv variety is the Merlot with an averange of 1,610 kg grapes/vine. The acidity and the amount of sugar accumulated, indicates that the Pinot Noir reacted better than the other varieties (235 g/l sugar), followed by the Merlot (225 g/l sugar) and the Fetească Neagră (220 g/l sugar).

KEYWORDS:
Climatic factors, phenophases, quality, quantity, production
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