

# Preliminarni rezultati istraživanja pomoloških karakteristika sedam sorti ribiza - rezultati 2010. godine

Tvrtko JELAČIĆ<sup>1</sup>, Bernardica MILINOVIĆ<sup>1</sup>, Predrag VUJEVIĆ<sup>1</sup>, Dunja HALAPIJA KAZIJA<sup>1</sup>, Ante BIŠKO<sup>2</sup>

<sup>1</sup>Hrvatski centar za poljoprivredu, hranu i selo, Zavod za vinogradarstvo, vinarstvo i voćarstvo, Jandrićeva 42, 10000 Zagreb, Hrvatska, (e-mail: tvrtko.jelacic@hcphs.hr)

<sup>2</sup>Hrvatski centar za poljoprivredu, hranu i selo, Zavod za poljoprivrednu proizvodnju i hranu, Hondlova 2/11, 10000 Zagreb, Hrvatska

## Sažetak

U pokusnom voćnjaku Odjela za voćarstvo u Donjoj Zelini posađen je 2006. godine introdukcijsko pokusni nasad sorti crvenog ribiza: Jonkher van Teets, Losan i Detvan; crnog ribiza: Viola i Titania; te sorte bijele pokožice bobice Werdavia i Primus. Sortni pokus postavljen je kao slučajni blokni raspored u tri repeticije sa po dva grma. Grmovi su posađeni na razmak od jednog metra. Cilj ovoga istraživanja je utvrditi kako se posađene sorte ponašaju u našim agro ekološkim uvjetima. Bilježenjem fenofaza: C, D, F, I (prema Fleckingeru) utvrdili smo da nema datumskih razlika između pojedinih sorti, a sukladno tome plodovi dozrijevaju od 65 do 70 dana nakon cvatnje. Nakon berbe mjerili smo slijedeća svojstva: prosječan urod po grmu, težinu grozdica, visinu grozdica, broj bobica po grozdiću, duljinu peteljke, topivu suhu tvar refraktometrijski, pH soka, te smo odredili ukupne kiseline izražene kao jabučna kiselina. Prosječan prinos po grmu kretao se od 813,40 g (Viola) do 2040,00 g (Primus), težina grozdica od 4,10 g (Werdavia) do 10,26 g (Primus), visina grozdica od 44,69 mm (Titania) do 100,74 mm (Primus), broj bobica u grozdiću od 5 (Titania) do 21 (Primus), duljina peteljke od 12,28 mm (Losan) do 21,23 mm (Detvan). Topiva suha tvar izmjerena refraktometrijski iznosila je od 10,11 °Brix (Jonkher van Teets) do 15,64 °Brix (Titania), dok su se vrijednosti izmjerene pH-metrom kretale između 2,71 pH (Jonkher van Teets) i 2,96 pH (Viola). Ukupna kiselost izražena kao jabučna kretala se u rasponu od 22,17 g/l (Viola) do 43,35 g/l (Titania).

Ključne riječi: ribiz, sorta, fenofaze

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# Preliminary results of research of pomological characteristics of seven currant varieties - results for year 2010

Tvrtko JELAČIĆ<sup>1</sup>, Bernardica MILINOVIĆ<sup>1</sup>, Predrag VUJEVIĆ<sup>1</sup>, Dunja HALAPIJA KAZIJA<sup>1</sup>, Ante BIŠKO<sup>2</sup>

<sup>1</sup>Croatian Centre for Agriculture, Food and Rural Affairs, Institute of Viticulture, Enology and Pomology, Jandrićeva 42, 10000 Zagreb, Croatia, (e-mail: tvrtko.jelacic@hchps.hr)

<sup>2</sup>Croatian Centre for Agriculture, Food and Rural Affairs, Institute for Agricultural Production and Food, Hondlova 2/11, 10000 Zagreb, Croatia

## Abstract

In experimental orchard of the Department of Pomology in Donja Zelina in 2006 an introduction trial was planted of redcurrant varieties: Jonkher van Teets, Losan and Detvan; blackcurrant varieties: Viola and Titania, and golden currant varieties Werdavia and Primus. Varietal trial was set as randomized complete block design in three repetitions with two trees. Planting distance of trees was 1 m. The aim of this research was to determine how planted varieties react in our agro-ecological conditions. Phenologic stage recordings: C, D, F, I (according to Fleckinger) have shown no difference in dates between certain varieties, and their fruits are ready to harvest between 65 to 70 days after the bloom. Following characteristics were measured after the harvest: average yield per tree, fruit weight, fruit height, number of berries per cluster, petiole length, soluble solids content, pH of the juice, and total acids expressed as malic acid. Average yield per tree ranged between 813,40 g (Viola) - 2040,00 g (Primus), fruit weight from 4,10 g (Werdavia) - 10,26 g (Primus), fruit height from 44,69 mm (Titania) - 100,74 mm (Primus), number of berries in a cluster from 5 (Titania) - 21 (Primus), petiole length from 12,28 mm (Losan) - 21,23 mm (Detvan). Soluble solids content ranged from 10,11 Brix (Jonkher van Teets) - 15,64 Brix (Titania), while pH values ranged between 2,71 pH (Jonkher van Teets) - 2,96 pH (Viola). Total acids ranged between 22,17 g/l (Viola) - 43,35 g/l (Titania).

Key words: currant, variety, phonologic stage

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