

Czech Academy of Agricultural Sciences



Open Access Agricultural Journals

HORTICULTURAL
SCIENCE

[home](#) [page](#) [about us](#) [contact](#)

[us](#)

Table of
Contents

IN PRESS

**HORTSCI
2014**

**HORTSCI
2013**

**HORTSCI
2012**

**HORTSCI
2011**

**HORTSCI
2010**

**HORTSCI
2009**

HORTSCI

2008

HORTSCI

2007

HORTSCI

2006

HORTSCI

2005

HORTSCI

2004

HORTSCI

2003

HORTSCI

2002

HORTSCI

Home

Editorial

Board

For Authors

- **Authors Declaration**
- **Instruction to Authors**
- **Guide for Authors**
- **Copyright Statement**

- **Publication Fee**
- **Submission**

For Reviewers

- **Guide for Reviewers**
- **Reviewers Login**

Subscription

Horticultural Science

Results of an orchard trial with new clonal sweet cherry rootstocks established at Holovousy and evaluated in the stage of full cropping

Blažková J., Hlušíčková I.:

Hort. Sci. (Prague), 34 (2007): 54-64

[[fulltext](#)]

Ten clonal dwarf or semi-dwarf rootstocks were evaluated in a trial that was established in the spring of 1999 at Holovousy. Lapins cv. was used as a scion tester for all these rootstocks; five of them were tested also by Regina cv. Among the new rootstocks G 195/5 was evaluated as the most promising for Lapins cv. The highest rate of mortality and symptoms of poor scion compatibility

with Lapins cv. were observed on Weiroot 53 and Weiroot 158. The most vigorous of the tested rootstock was G 497/8 followed by Gisela 7 and Gisela 4. Intermediate vigour was recorded on trees on G 154/7, P-HL-A, Gisela 3 and Tabel Edabriz. The least vigorous were G 195/20, Weiroot 158 and Weiroot 53. The highest accumulated yield per hectare of the Lapins cv. (21.2 tons) was harvested from Gisela 7 rootstock. With Lapins cv. higher yield efficiencies were calculated for P-HL-A, G 195/20 and Tabel Edabriz. In the case of the Regina cv. the highest yield efficiency was on Gisela 7. The mean fruit weight of the Lapins cv. had a span from 8.2 g (Weiroot 53) to 9.7 g (G 195/20). With the Lapins cv. less fruit cracking was observed on fruits from Tabel Edabriz and Gisela 7. Significant differences between tested rootstocks were found also at the time of tree flowering and ripening.

Keywords:

sweet cherry; rootstocks; cultivars; tree vigour; tree mortality; yields; yield efficiency; time of flowering; time of ripening; fruit size; fruit cracking

[[fulltext](#)]

© 2015 [Czech Academy of Agricultural Sciences](#)

XHTML11 VALID

CSS VALID