

Author:  [ADVANCED](#) | Volume  Page

Keyword:   |



[TOP](#) > [Available Issues](#) > [Table of Contents](#) > [Abstract](#)

ONLINE ISSN : 1883-2261

PRINT ISSN : 0389-1763

## Japanese Journal of Farm Work Research

Vol. 42 (2007) , No. 4 pp.199-204



[\[PDF \(694K\)\]](#) [\[References\]](#)

### Effects of Rootstock Diameter on Successful Union and Growth of Highbush Blueberry Grafts by Grafted Cutting

[Kazunori ISHIKAWA](#)<sup>1)</sup> and [Tadashi BABA](#)<sup>1)</sup>

1) Tokyo University of Agriculture, Faculty of Agriculture

(Received May 9, 2007)

(Accepted December 1, 2007)

#### Abstract

Scions of highbush blueberry cultivar 'Jersey' and 'Spartan' were grafted on rootstocks of rabbiteye blueberry cultivar 'Tifblue' to determine the effects of rootstock diameter (4, 6 and 8mm) on the successful union, rooting and growth of grafts.

- 1) Current shoots of the thinner rootstocks terminated earlier. The thicker rootstocks showed earlier resprouting.
- 2) 'Jersey' scions grafted on 6- or 8-mm-diameter of 'Tifblue' rootstocks had long, vigorous and heavy current shoots.
- 3) The rate of rooting was higher in 'Jersey' scions grafted on 6- or 8-mm-diameter 'Tifblue' rootstocks. The plants of 'Spartan' scions grafted on 'Tifblue' rootstocks showed a lower rate of successful union and formed callous tissue at the end of the cutting.
- 4) Grafts by grafted cuttings required a nursery period of more than 3 months, which is sufficient for ungrafted cuttings to root.

In conclusion, grafted highbush blueberry plants on 6-mm-diameter rabbiteye rootstocks tended to perform better for the successful union and growth of grafts.

#### Key words

[highbush blueberry](#), [grafted cutting](#), [rootstock diameter](#), [nursery period](#), [graft](#), [rooting](#), [growth](#)



[\[PDF \(694K\)\]](#) [\[References\]](#)

Download Meta of Article [\[Help\]](#)

[RIS](#)

[BibTeX](#)

To cite this article:

Kazunori ISHIKAWA and Tadashi BABA (2007): Effects of Rootstock Diameter on Successful Union and Growth of Highbush Blueberry Grafts by Grafted Cutting . Japanese Journal of Farm Work Research 42: 4 199-204 .

---

doi:10.4035/jsfwr.42.199

JOI JST.JSTAGE/jsfwr/42.199

Copyright (c) 2009 Japanese Society of Farm Work Research

---



---

[Japan Science and Technology Information Aggregator, Electronic](#)

