



[Available Issues](#) | [Japanese](#)

Author:  [ADVANCED](#) | Volume  Page

Keyword:



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

## Horticultural Research (Japan)

Vol. 8 (2009) , No. 4 413-417

### Domestication and Utilization of Japanese V

[Takuya Ban](#)<sup>1)</sup>, [Nobuo Kobayashi](#)<sup>1)</sup>, [Hiroshi Hontani](#)<sup>1)</sup>, [Masayuki K](#)  
[Matsumoto](#)<sup>1)</sup>

1) Faculty of Life and Environmental Science, Shimane University

(Received February 17, 2009)

(Accepted April 30, 2009)

In this study, we reported the selective breeding process and root c  
Japanese wild radish line. According to the root shape and late flow  
new Japanese wild radish line was selected from several wild popul  
radish growing beside Lake Shinji and in the areas surroundings Shi  
The shape and weight of the roots in the selected line remained almc  
year 2006. Reduced ascorbic acid, isothiocyanate, total soluble soli  
concentrations in the roots of the selected line were higher than that  
and equivalent to 'Karamaru'. Fructose, glucose and sucrose were

the selected line, and the compositions of these sugars were similar. The root contents of the selected line changed during the harvesting results, we concluded that the new Japanese wild radish line is available as a crop.

**Key Words:** [functional component](#), [isothiocyanate](#), [selection breeding](#), [agricultural product](#)

[\[PDF \(721K\)\]](#) [\[References\]](#)

Download

To cite this article:

Takuya Ban, Nobuo Kobayashi, Hiroshi Hontani, Masayuki Kado Matsumoto. 2009. Domestication and Utilization of Japanese Wild Radish (Japan) 8: 413-417 .

---

doi:10.2503/hrj.8.413