

Author: Keyword:

Search

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

ONLINE ISSN : 1882-4757

PRINT ISSN : 0372-798X

Journal of Weed Science and Technology

Vol. 52 (2007) , No. 3 pp.130-136

[\[PDF \(862K\)\]](#) [\[References\]](#)**An awnless variant of *Bidens tripartita***Reiichi Miura¹⁾, Makoto Hosotani¹⁾ and Misako Ito¹⁾

1) Graduate School of Agriculture, Kyoto University

(Received: January 19, 2007)

(Accepted: August 8, 2007)

Summary:

A form of *Bidens tripartita* that lacks seed awns was found in Tamba Hill, northern Kinki District, Japan. It was found in cropped or abandoned paddy in small basins in the hill, with or separately from normal awned form. Only the normal awned form was found in plains around Tamba Hill. A cultivation experiment showed that this is a genetic polymorphism. After simulated rice reaping in an experimental mixed stand of the two forms, many awned but no awnless seeds were found attached on experimenter's clothing. The percentage of the seeds remaining inside the paddy after work was higher in awnless than in awned form.

Keywords: *Bidens tripartita*, epizoochory (ecto-zoochory), dispersal, polymorphism[\[PDF \(862K\)\]](#) [\[References\]](#)Download Meta of Article [\[Help\]](#)[RIS](#)[BibTeX](#)

To cite this article:

Reiichi Miura, Makoto Hosotani and Misako Ito 2007. An awnless variant of *Bidens tripartita* . J. Weed Sci. Tech. 52, 130-136 .

doi:10.3719/weed.52.130

JOI JST.JSTAGE/weed/52.130



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

