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## Japanese journal of crop science

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ONLINE ISSN: 1349-0990

PRINT ISSN: 0011-1848

### ■ Japanese journal of crop science

Vol.67 , No.2(1998)pp.170-173

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#### Reliability of Sensory Test for Highly Palatable Rice Cultivars

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[Published: 1998/06/05]

[Released: 2008/02/14]

#### Abstract:

A sensory test for highly palatable rice cultivars was evaluated statistically by analysis of variance. Cultivar differences in overall eating quality and stickiness were significant in all of the 16 sensory tests conducted. A significant difference in hardness was not found among the cultivars in six tests out of 16, showing the difficulty of evaluating the hardness. Fifteen or 19 panel members out of 28 could detect a cultivar difference in the overall eating quality at a 5 or 10% level of significance. Generally, the value of difference between Koshihikari and Nipponbare was large for panel members who had high reliability. The taste preference of the panel members who had high reliability generally coincided with the mean value for all panel members.

#### Keywords:

Analysis of variance, Palatability, Rice, Sensory test, Taste preference.

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