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ONLINE ISSN : 1349-1008

PRINT ISSN : 1343-943X

Plant Production Science

Vol. 7 (2004) , No. 1 97-100



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Comparison and Standardization among Chlorophyll Meters in their Readings on Rice Leaves

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(Received: April 7, 2003)

Abstract: Six chlorophyll meters (SPAD) were compared to determine the magnitude of differences in SPAD readings on rice leaves. Correlations among the six SPAD meters were statistically significant ($P < 0.01$) with correlation coefficients (r) ranging from 0.971 to 0.990. However, the differences in SPAD readings were statistically significant among the six meters ($P < 0.05$) and the difference between two meters was as large as 2.7 units. Such magnitudes of discrepancy should be considered when different SPAD meters are used in the same study.

Keywords: [Chlorophyll meter](#), [Leaf nitrogen content](#), [Nitrogen management](#), [Rice leaves](#), [SPAD](#), [Standardization](#)



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doi:10.1626/pps.7.97

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