

Screening of Rice Varieties for Resistance to Grain Sterility
(*Pseudomonas glumae*)

Y. C. Chiu, T. Y. Chung,
K. H. Hsiao and M. J. Lian¹

ABSTRACT

Field screening of rice varieties for resistance to grain sterility (*Pseudomonas glumae*) have been carried out in Pingtung in the second crop season in 1988. Rates of resistance were measured at 18 days after heading. Four resistant, 22 moderate resistant, 32 moderate susceptible, and 3 susceptible varieties were found from this screening. Occurrence of this disease was associated with climatic conditions during heading stage. Lower diseased plants were found for earlier-maturing varieties than those of late-maturing varieties. No significant difference in the resistance between Indica and Japonica rices was also found.

1. Assistant Agronomist, Associate Agronomist and Head of Crop Improvement Division, Assistant Agronomist, and Technician, Kaohsiung District Agricultural Improvement Station, respectively.