

Studies on the Integrated Pest Management for Quality Paddy Rice¹

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Summary

The demonstration rice fields were set up at Yulin and Tainan in 2003. The weeds in and around the test field were removed before planting. In the first crop, rice stem borer was controlled at the early seedling stage by using granule pesticide, and rice blast and sheath blight were controlled at the early tillering stage. Rice neck rot, rice stem borer and rice leaf folder were controlled 5 days before heading. In the second crop, rice stem borer and whorl maggot were controlled at the early seedling stage by using granule pesticide, and sheath blight was controlled at the early tillering stage. Bacterial leaf blight and leaf folder were controlled at the early booting stage. The results showed that the pests of demonstration fields were lower than those of check fields. The average cost for pest control at the demonstration fields were 2416 New Taiwan Dollars (NTD) lower than the check plot. However, yield increased 3% and profit increased 5552NTD.

Keywords : pests of rice, rice blast, sheath blight, bacterial leaf blight, rice leaf folder, rice stem borer, integrated pest management

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