

Assessment for Yield Loss of Soybean Damaged by Stem Miner (*Agromyza phosesli*)

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Summary

Trials were conducted at Pingtung (Kaohsiung DAIS) and Meilong (Chinan Branch Station) during the fall/winter crop season of 1985 and spring crop season of 1986. The Kaohsiung 8 soybean cultivar was used for assessment of yield loss caused by the damages of stem miner. Results indicated that infected plant had shorter plant height, lower numbers of pods and seeds per plant than that of healthy plants which was controlled by pesticides. The healthy plants also had higher yield than that of infected ones. Yield losses estimated were 15.24 - 38.41 and 31.39 - 34.76 % for the fall/winter crop season at Pingtung and Chinan test plots, respectively. Yield losses of 13.19 - 29.37 and 0.81 - 26.09 % were found for the spring crop season at Pingtung and Chinan test sites, respectively.