

Sopee, J.; Sangchote, S.; and Chiampiriyakul, P. 2010. Characterization of *Phytophthora infestans* from Northern Thailand based on their mating type, metalaxyl sensitivity, and mtDNA haplotypes. *Phytopathology* 100:S121.

Isolates of *Phytophthora infestans*, causal agent of potato late blight, was collected in northern Thailand from 2006 to 2009. Thirty-three isolates were analyzed for mating type, metalaxyl sensitivity and mitochondrial DNA haplotypes. Metalaxyl sensitivity testing of these isolates by on the agar amended with metalaxyl at different levels of concentration. It indicated that 90 percent isolates distributed in 6 locations were intermediate sensitive to this fungicide and 10 percent located in 2 locations were sensitive. All of these isolates were A1 mating type and mitochondrial DNA haplotype IIa. This investigation on characteristics variable of *P. infestans* isolates obtained in Thailand which imports potato seed tubers from the major potato producing countries.