

4-8. Susceptibility of Field-Collected Populations of *Tetranychus urticae* to Acaricides

Sang-Hyun Koh*, Chuleui Jung, Si-Yong Kim and Joon-Ho Lee

Entomology Program, School of Agricultural Biotechnology, Seoul National University

Two spotted spider mite, *Tetranychus urticae* Koch was collected from commercial apple orchards of 9 major production areas. Populations were assayed for the levels of susceptibility to 13 acaricides using spray method at recommended concentration under laboratory condition.

There were considerable differences in susceptibility depending on the acaricide tested and the region from which the population was collected. The high levels of resistance were found for fenpyroximate, flufenoxuron, and pyridaben. All field-collected populations of *T. urticae* was highly susceptible to abamectin and chlorfenapyr, suggesting that these materials would be effective for *T. urticae* control.