

Silwet* 408

Spray Adjuvant to control Aphids on Oranges



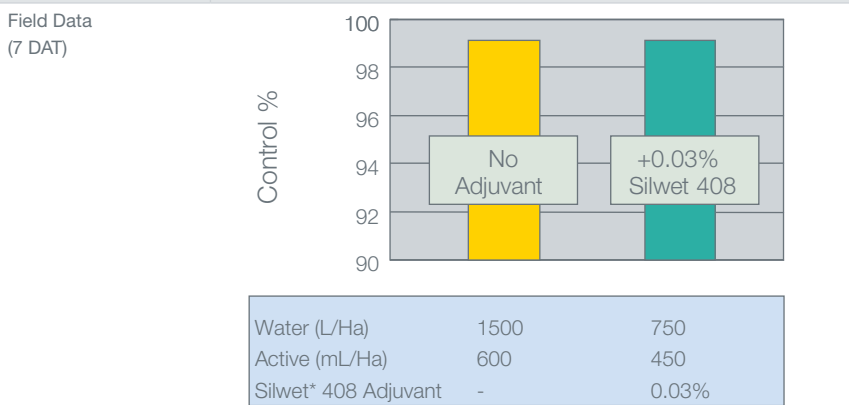
Application

China is the 2nd largest world producer of oranges with about 14.5 million tonnes yield per year. Aphids are pests causing severe damage to orange. To ensure high crop yields and better quality, growers treat orange orchard with broad-spectrum insecticides, such as Acetamiprid®.

Momentive's **Silwet 408** spray adjuvant can decrease the surface tension of pesticide spray treatments significantly more than other conventional spray adjuvants. This property typically leads to improved spray coverage, lower spray volumes, lower application costs. To demonstrate the specific benefits of silicone spray adjuvants, the Silwet 408 spray adjuvant was trialled with standard 3% acetamiprid EC spray treatments on orange trees.

Field Trials

Location	Guangxi, China
Crop	Orange
Insecticide	Acetamiprid 3% EC (Pesticide Rates : 600 ml/Ha ; 450 ml/Ha)
Pest	Aphids
Adjuvant	Silwet 408 (Adjuvant Rates: 0.03%)
Application	Tank-mix (Spray Rates: 1500 l/Ha; 750 l/Ha)



Note: Test data. Actual results may vary.

Results

Trials demonstrated the following benefits from the Silwet 408 spray adjuvant addition to Acetamiprid sprayed on orange plants:

- 99% or better control with the Silwet 408 spray adjuvant addition (99% control with no adjuvant treatment)
- 50% less spray volumes, resulting to lower application costs
- 25% lower Acetamiprid pesticide dose rates

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