

Silwet* 408

Spray Adjuvant to control Aphids on Kinnow



Application

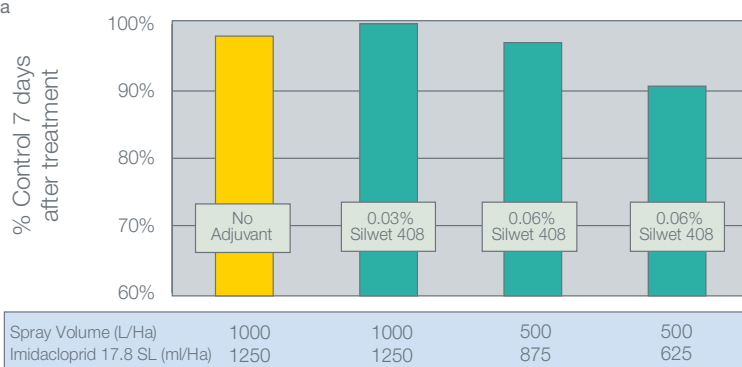
The production of kinnows in India represents 410,000 tons per year. They are grown mainly in Punjab, North India. Aphid insects are the main pests causing severe damage to kinnows crops. To ensure high crop yields and better quality, growers usually treat kinnows fields with broad-spectrum insecticides such as Imidachloprid.

Momentive's **Silwet 408** spray adjuvant can decrease the surface tension of the pesticides much more than other conventional adjuvants. It typically provides superior superspreading, better spray coverage and lower spray volumes. To demonstrate the specific benefits of silicone spray adjuvants, the Silwet 408 spray adjuvant was trialled with Imidachloprid 17.8 SL spray treatments on kinnows crops.

Field Trials

Location	Abohar, Punjab, India
Crop	Kinnow (Citrus)
Insecticide	Imidachloprid 17.8 SL (Pesticide Rates : 1250 ml/Ha; 875 ml/Ha; 625 ml/Ha)
Pest	Aphids
Adjuvant	Silwet 408 (Adjuvant Rates: 0.03%; 0.06%)
Application	Tank-mix (Spray Rates: 1000 L/Ha; 500 L/Ha)

Field Data



Note: Test data. Actual results may vary.

Results

Trials demonstrated the following benefits from Silwet 408 spray adjuvant addition to Imidachloprid 17.8SL sprayed on kinnows:

- 99% control of Aphids with Silwet 408 spray adjuvant after 7 day treatment versus 97% control with no adjuvant
- 30% spray volume reduction resulting to lower application costs
- 50% lower Imidachloprid 17.8SL pesticide dose rates

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