

# Silwet\* 408

Spray Adjuvant to control Red Mites on Tomatoes



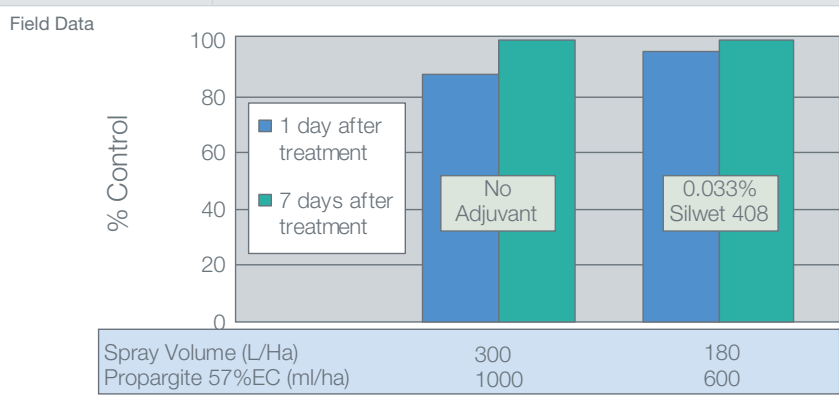
## Application

India is the 4th largest world producer of tomatoes with 9.2 million tonnes per year. Most tomatoes are grown in the East and Southeast states of India. Red mite insects are the main pests causing severe damage to tomato crops. To ensure high crop yields and better quality, growers usually treat tomato fields with acaricide pesticides, such as Propargite.

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 and lower application costs of agrochemicals into the plants. To demonstrate the specific benefits of silicone spray adjuvants, the Silwet 408 spray adjuvant was trialled with standard Propargite 57% EC acaricide spray treatments on tomato crops.

## Field Trials

Location	Malerkotla, Punjab, India
Crop	Tomato
Insecticide	Propargite 57% EC (Pesticide Rates: 1000ml/Ha; 600 ml/Ha)
Insect	Red Mite
Spray Adjuvant	Silwet 408 (Adjuvant Rate: 0.033%)
Application	Tank-mix (Spray Rates: 300 L/Ha; 180 L/Ha)



Note: Test data. Actual results may vary.

## Results

Trials demonstrated the following benefits from Silwet 408 spray adjuvant addition to Propargite 57%EC sprayed on tomatoes:

- 96% control of red mites with Silwet 408 spray adjuvant after 1 day treatment versus 88% control with no adjuvant
- 40% spray volume reduction resulting to lower application costs
- 40% lower Propargite 57% EC pesticide dose rates

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