

# Silwet\* 618

Spray Adjuvant to control Palm Thrips on Cucumbers



## Application

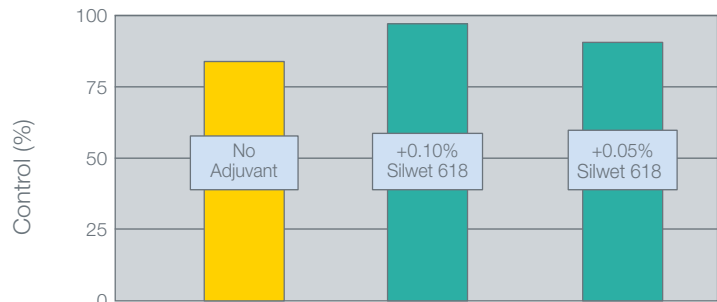
Greater China is by far the largest world producer of cucumbers with over 25 million tonnes per year. Palm thrip insects are pests causing severe damage to cucumber crops. To ensure high crop yields and better quality, growers treat cucumber fields with broad-spectrum insecticides, such as Acetamiprid.

Momentive's **Silwet 618** spray adjuvant is a cost-effective wetting agent, used where spray coverage is needed on foliar surfaces without any rapid pesticide uptake. Since Silwet 618 spray adjuvant is a unique spreader adjuvant with much lower surface tension than most commercial surfactants, it typically enhances pesticide spray coverage even at significantly lower spray volumes. To demonstrate its specific benefits, the Silwet 618 spray adjuvant was trialled with standard Acetamiprid spray treatments on cucumber crops.

## Field Trials

Location	China
Crop	Cucumber
Insecticide	Acetamiprid (Pesticide Rates : 600 ml/Ha ; 450 ml/Ha)
Pest	Palm thrips
Adjuvant	Silwet 618 (Adjuvant Rates: 0.10%; 0.05%)
Application	Tank-mix (Spray Rates: 900 l/Ha; 225 l/Ha)

### Field Data



Water (L/ha)	900	225	225
Active (mL/ha)	600	600	450
Silwet* 618 Adjuvant	-	0.10%	0.05%

Note: Test data. Actual results may vary.

## Results

Trials demonstrated the following benefits from the Silwet 618 spray adjuvant addition to Acetamiprid sprayed on cucumbers:

- 90% or better control with the Silwet 618 spray adjuvant addition (83% control with no adjuvant treatment)
- 75% less spray volumes, resulting to lower application costs
- 25% lower Acetamiprid pesticide dose rates

## Customer Service Centers

### Worldwide Hotline

4information@momentive.com

+1 614 986 2495 / T +1 800 295 2392

### North America

#### Silicones – Fluids, UA, Silanes, Specialty Coatings, RTV and Elastomers

T +1 800 523 5862 / +1 800 334 4674  
F +1 304 746 1654 / +1 304 746 1623

#### Consumer Sealants/

#### Construction Sealants and Adhesives

T +1 877 943 7325  
F +1 304 746 1654

### Latin America

#### South America

T +55 11 4534 9650  
F +55 11 4534 9660

#### Mexico and Central America

T +52 55 2169 7670  
F +52 55 2169 7699

### Europe, Middle East, Africa and India

T +00 800 4321 1000 / +40 21 3111848

### Pacific

#### China

T +800 820 0202 / +86 21 3860 4892

#### Japan

T +0120 975 400 / +81 276 20 6182  
F +81 276 31 6259

#### Korea

T +82 2 6201 4600  
F +82 2 6201 4601

#### Malaysia

T +60 3 9206 1555  
F +60 3 9206 1533

#### Thailand

T +66 2207 3456  
F +66 2207 3488

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22 Corporate Woods Boulevard  
Albany, NY 12211 USA  
momentive.com