

# Silwet\* 618

Spray Adjuvant to Pod Borer Mildew on Common Beans



## Application

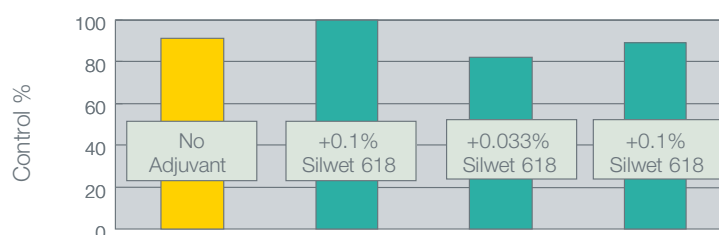
Greater China is by far the largest world producer and consumer of Common vegetable beans. Pod borer is causing severe damage to Common vegetable bean crops. To ensure high crop yields and better quality, growers treat bean fields with broad-spectrum insecticides, such as Chlorfluazuron.

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 trialed with standard Chlorfluazuron EC spray treatments on common bean crops.

## Field Trials

Location	Guangdong province, China
Crop	Common bean ( <i>Phaseolus vulgaris</i> )
Insecticide	Chlorfluazuron 5% EC (Pesticide Rates : 900 mL/Ha ;600 mL/Ha ; 450 mL/Ha)
Pest	Lima bean pod borer ( <i>Etiella zinckenella</i> (Treitschke))
Adjuvant	Silwet 618 (Adjuvant Rates: 0.033%; 0.1%)
Application	Tank-mix (Spray Rates: 900 L/Ha; 450 L/Ha; 225 L/Ha)

Field Data  
(7 DAT)



Water	900	225	450	225
Active	900	900	600	450
Silwet* 618 Adjuvant	-	0.1%	0.033%	0.1%

Note: Test data. Actual results may vary.

## Results

Trials demonstrated the following benefits from the Silwet 618 spray adjuvant addition to Chlorfluazuron sprayed on bean crops:

- 86-99% control with the Silwet 618 spray adjuvant addition (75% control with no adjuvant treatment)
- 30-50% less spray volumes, resulting to lower application costs
- 50% lower Chlorfluazuron dose rates

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