

Silwet* 618

Spray Adjuvant to control Aphids on Medlar Trees



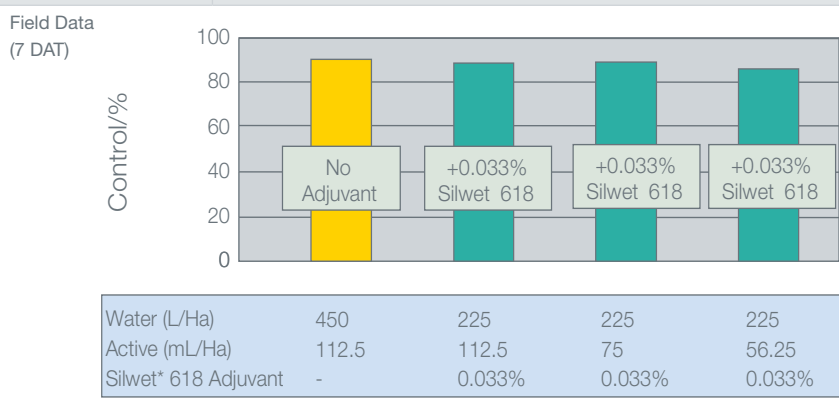
Application

China is the largest producer for medlar with over 900 kilotons yield per year. Aphids are one main pests causing severe damage to medlar. To ensure high crop yields and better quality, growers usually treat aphids with pesticides, such as acetamiprid.

Momentive's **Silwet 618** spray adjuvant is a typically 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 can enhance pesticide spray coverage even at significantly lower spray volumes. To demonstrate its specific benefits, the Silwet 618 spray adjuvant was trialed with standard 2.5% acetamiprid EC spray treatments on medlar trees.

Field Trials

Location	Ningxia province, China
Crop	Medlar
Insecticide	Acetamiprid 2.5% EC (112.5 mL/Ha, 75 mL/Ha, 56.25 mL/Ha)
Pest	Aphids
Adjuvant	Silwet 618 (Adjuvant Rate: 0.033%)
Application	Tank-mix (Spray Rate: 450 L/Ha, 225 L/Ha)



Note: Test data. Actual results may vary.

Results

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

- 86% or better control with the Silwet 618 spray adjuvant addition
- 50% spray volume reduction resulting to lower application costs
- Up to 50% lower pesticide dose rates with equivalent performance

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