

Silwet L-77* Ag

Spray Adjuvant to control Late Blight on Potato



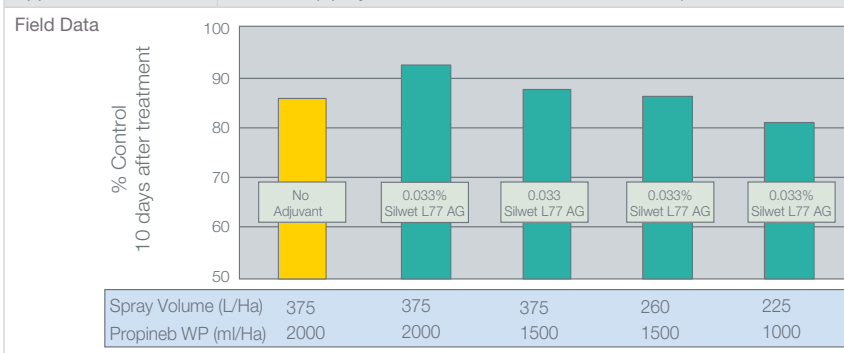
Application

India is the third largest producer of potato, with 15% of the total production in the world. Most potatoes are grown in the states of India Uttar Pradesh and Punjab, North India. The most dreaded diseases of potato are fungi called early blight and late blight, causing severe damages both on the plant and the potato. To ensure high crop yields and better quality, growers usually treat potato fields with spray fungicides such as Propineb, Cyazofamid or Mancozeb at regular intervals.

Momentive's **Silwet L-77 AG** spray adjuvant is a unique superspreader. With a 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, Silwet L-77 AG spray adjuvant was trialled with Propineb WP spray treatments on potato crops.

Field Trials

Location	Jalandhar, Punjab, India
Crop	Potato
Fungicide	Propineb WP (Pesticide rates: 2000 g/Ha; 1500 g/Ha; 1000 g/Ha)
Disease	Early blight and late blight
Spray Adjuvant	Silwet L-77 AG (Adjuvant Rate: 0.033%)
Application	Tank-mix (Spray Rates: 375 L/Ha; 260 L/Ha; 220 L/Ha)



Note: Test data. Actual results may vary.

Results

Trials demonstrated the following benefits from Silwet L-77 AG spray adjuvant addition to Propineb WP sprayed on potato:

- 93% control of potato late blight with the Silwet L-77 AG spray adjuvant versus 87% control with no adjuvant
- 30% spray volume reduction, resulting to lower application costs
- 25% lower Propineb WP pesticide dose rates

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