

Cyclone

Fungicide

RESEARCH BULLETIN

Powdery mildew trials on greenhouse cut-flower



TECHNICAL SPECIFICATIONS

- **Active ingredients:** Citric acid and lactic acid (present as fermentation products of *Lactobacillus casei* strain LPT-111)
- **Formulation Type:** Liquid concentrate
- **Chemical Group:** N/A Biopesticide
- **PHI:** 0 days
- **REI:** When spray is dry
- **Approved for organic agriculture**

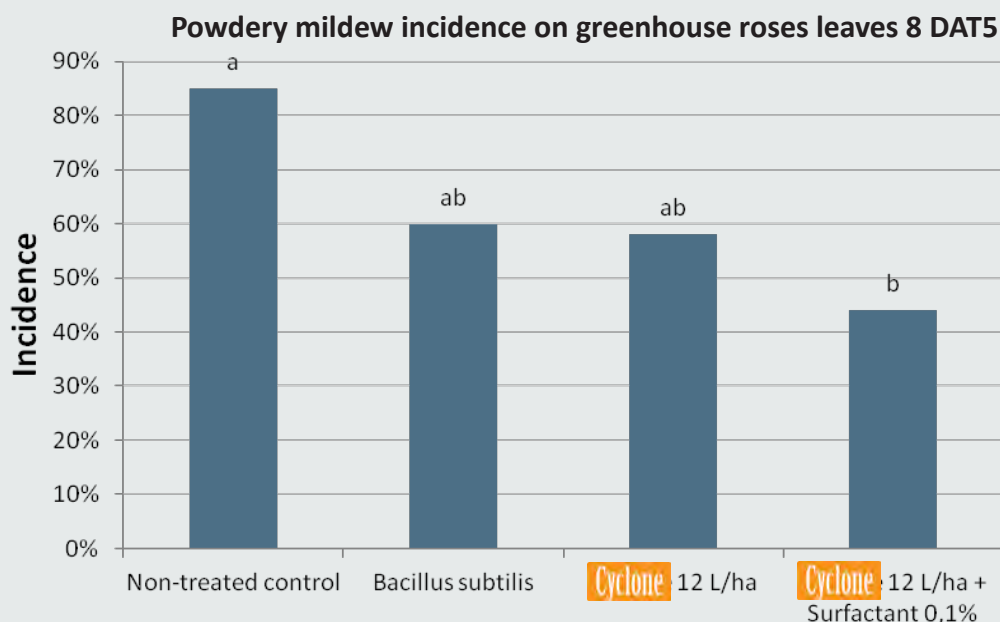
USE PATTERN EVALUATED

CROP	DISEASE	RATE	FOLIAR SPRAY VOLUME	APPLICATION TIMING
Greenhouse Roses	Powdery mildew	12 L/ha	800 L/ha	Preventive 8 treatments, 6 - 8 days interval between treatments
Greenhouse Gerbera	Powdery mildew	12 - 20L/ha	1000 L/ha	Preventive 4 treatments, 7 days interval between treatments

- This product can leave white hydrosoluble residues. The addition of Xiameter at 0.015% can reduce the appearance of the residue on plants.
- The use of a non ionic surfactant can help achieve better coverage of leaves and better efficacy; Agral 90 (0.1%), Liberate (0.25%)

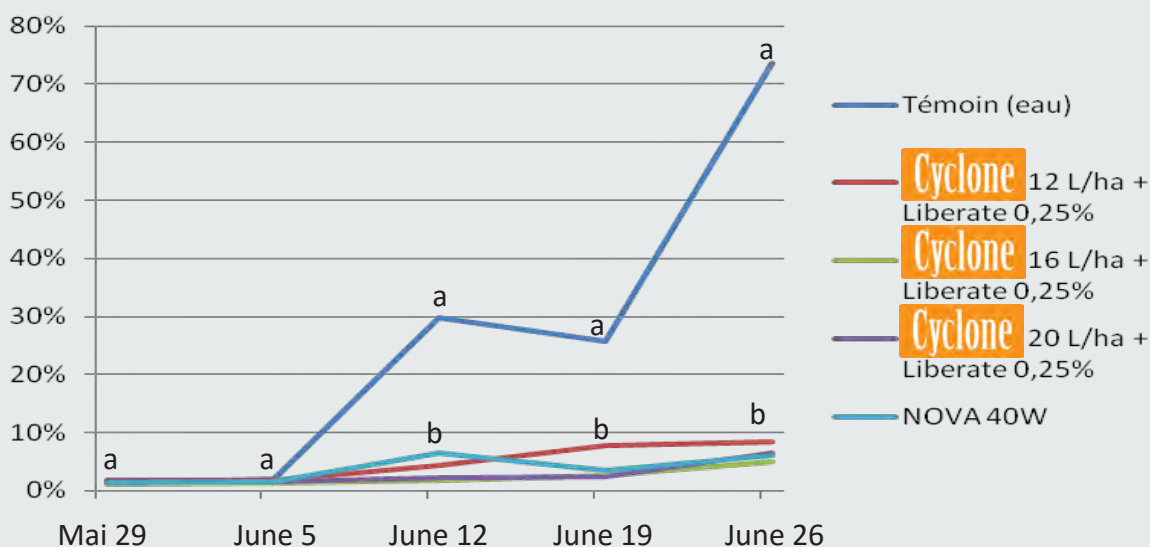
MODE OF ACTION

Cyclone forms a protective barrier on leaf surface that inhibits pathogen development. It also has antifungal effects on conidia germination, germ tube formation and elongation, appressorium formation, hyphae branching and haustorium formation.



Trial conducted at
Les Roses Drumond
in Drumondville, QC, 2008

Powdery mildew on Gerbera
Mean percentage of leaf area covered with powdery mildew



Trial conducted from May to June, 2015 in a designated research greenhouse at Kwantlen Polytechnic University (KPU), Langley, British Columbia, Canada .

Treatment applied 4 times, every 7 days on May 29, June 5, June 12 and June 19.

Nova applied 3 times every 10 days on Mai 29, June 8 and June 18.

Mean percentage of leaf area covered with powdery mildew rated on the Horsfall-Barrett visual scale of 0-11 and transformed to percentages. Mean of five plants per plot.

Means followed by the same letter are not significantly different according to Tukey's HSD test at P=0.05.

Cyclone is registered in Canada by AEF Global. Please refer to product label for complete application details. Always read and follow label directions. Log on to www.aefglobal.com for full label information.