

AEF GLØBAL Biopesticides

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FUNGOUT

- Manufactured in Canada by AEF.
- Organic acids based bactericide & Fungicide.
- Berries & Fruits & Veggies

FUNGOUT

- Suppressed bacteria growth and have bactericidal activity;
- Antifungal effects on (powdery mildew)
 - Conidia germination;
 - Germ tube formation and elongation;
 - Appressorium formation;
 - Hyphae branching and haustorium formation.





Trial with large commercial operation in 2014. Treatment applied by grower with a boom sprayer (200 psi). Sprayed volume: 700 L/ha. Strawberry variety: Seascape

Means not followed by a common letter are significantly different (P=0.05) as determined by LSD protected test



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



Independent 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.





% Severity of powdery mildew on Jonagold (Cornell extension)



Column numbers followed by the same letter are not significantly different at P=0.05 as determined by Tukey contrasts for multiple comparisons







Biofungicide

- Active ingredients: Garlic extract
- Liquid formulation
- Rate: 1,8%; 7 9 L/ha
- Againts :
 - Apple scab
 - Powdery mildew
 - Botrytis (preliminary)



Buran



C) Before treatment, the conidia are in chains and the mycelium develop abundantly on the leaf surface.

D) After treatment with Buran, the conidia and the mycelium are plasmolyzied and are drying out







Column numbers followed by the same letter are not significantly different at P=0.05 as determined by LSD; Severity : Prob. > $F = <,0001^*$





Botrytis Severity on berries at harvest (%) october 2, 2015



Column numbers followed by the same letter are not significantly different at P=0.05 as determined by LSD; Severity : Prob. > $F = 0,0003^*$

Bioherbicide AEF-1201

Pine oil extract
Approved in organic production
Non selective herbicide (activity on weed and seed)
Dissolves the waxy coating of plants
Causes dessication of seed



Electron microscope photos showing different rate (control, 2,5% and 10%)



Evaluation 28 DAT, cherry Lambert





Flamming

Control

Bioessay with AEF-1201

Arion rufus species



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