• Manufactured in Canada by AEF.
• Organic acids based bactericide & Fungicide.
• Berries & Fruits & Veggies
• 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.
Strawberry trial

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 May 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

- Against:
  - Apple scab
  - Powdery mildew
  - Botrytis (preliminary)
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 plasmolyzed and are drying out.
Powdery Mildew 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 = <,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%)
Bioherbicide AEF-1201

Evaluation 28 DAT, cherry Lambert

AEF 1201 (2x)  Flaming  Control
Bioessay with AEF-1201

Arion rufus species

Slug Mortality Associated with Pine Oil Dips

Percent Mortality

0  0.5  2.5  5
Percent Pine Oil

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