

PNW

FUNGOUT®

Fungicide & Bactericide

*Biobactericide against
fire blight in pears*

Disease Prevention for several crops



0 Day PHI

4 Hours REI



TECHNICAL SPECIFICATIONS

- Active ingredients: Citric acid
- Packaging: One (1) case = 2 x 2.5 gal
- Formulation Type: Liquid concentrate
- Chemical Group: N/A Biopesticide
- PHI: 0 days
- REI: When spray is dry or 4 hours

RECOMMENDATIONS FOR OPTIMAL RESULT

- Apply before wetting events at risk to cause infection and allow time for the product to dry. Tank mix with antibiotics if temperature reaches higher than 74°F or more during a prolonged wet period.
- Addition of a spreader surfactant may improve the performance of the product (always check for compatibility by applying to a small area first).
- Always read and follow label instructions

MODE OF ACTION

FungOUT forms a protective barrier on the plant surface that inhibit pathogen development. FungOUT has a direct bactericide activity and reduces bacterial growth and the appearance of various disease symptoms.

FungOUT also has antifungal effects on conidia germination, germ tube formation and elongation, appressorium formation, hyphae branching and haustorium formation.

Manufactured by:

440, 3e avenue, suite 100 • Lévis (QC) G6W 5M6

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AEF GLOBAL
Biopesticides

USE PATTERN

CROP	DISEASE	APPLICATION RATE	SPRAY VOLUME	APPLICATION INTERVAL
Pear	Fire blight (<i>Erwinia amylovora</i>)	1.4% v/v	Use the minimum spray volume to obtain full coverage	Before wetting event when conditions are conducive for infection

RESULTS

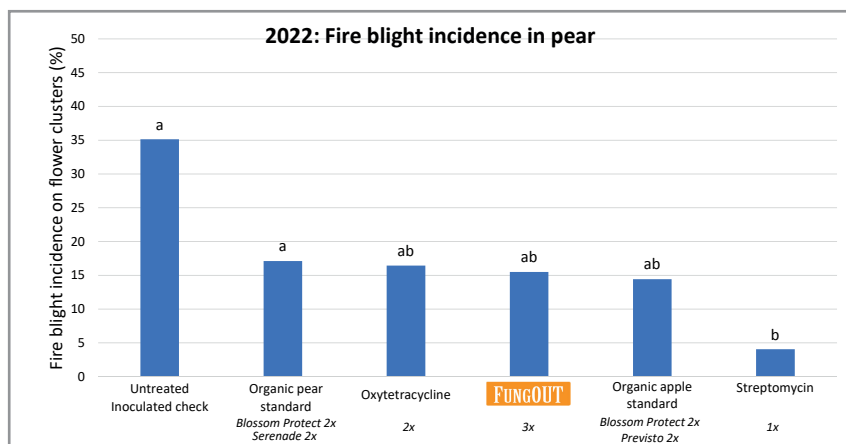
Description of trial

- Trial conducted at the WSU Columbia View Orchard on 4-year-old Anjou pear trees
- Experimental design: randomized complete block design with 5 repetitions
- Clusters were inoculated with *Erwinia amylovora* 153N at 10⁶ CFU/ml at 100% bloom of the king bloom
- Flower cluster infection was evaluated weekly for three weeks from the onset of symptoms
- Fruit russet was below commercial downgrade threshold in all treatments (no statistical differences between treatments).

Description of treatments and timing of application

	70% bloom	90% bloom	Pre-inoculation (full bloom)	Post-inoculation	3 days post-inoculation
Untreated					
Streptomycin (Firewall 50WP 8 oz/acre)			X		
Oxytetracycline (Fireline 45WP 9 oz/acre)			X		X
Organic apple standard (2x Blossom Protect 2x Previsto)	X ^a	X ^a	X ^b		X ^b
Organic pear standard (2x Blossom Protect 2x Serenade)	X ^a		X ^a	X ^c	X ^c
FungOUT (1.4% v/v)			X	X	X

All treatments were applied at a rate of 100 gal/acre under fast drying conditions.
^a Blossom Protect 1.25 lb/acre + Buffer Protect 5 lb/acre
^b Previsto 3 qt/acre
^c Serenade Aso 96 fl.oz/acre



Least square-means associated with the same letter are not significantly different according to the Tukey-Kramer test ($p < 0.05$).

FungOUT has not been registered by the United States Environmental Protection Agency. AEF Global Inc. represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide and Rodenticide Act. 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.

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