

FLOWERING APPLE AND PEAR TREES (FULL BLOOM TO PETAL FALL)

General Information

GENERAL INFORMATION

Bloomtime Biological contains a naturally occurring strain of beneficial *Pantoea* bacteria that was isolated from Gala apple blossoms in Washington State by USDA/ARS tree fruit researchers.

Mode of Action: Bloomtime Biological is a bacterial antagonist. Its mode of action has been characterized as competitive inhibition against the fire blight bacteria, *Erwinia amylovora* (Ea). When Bloomtime Biological is applied to open pear or apple flowers, it rapidly colonizes the floral tissues. Because it colonizes the same sites and utilizes the same nutrients as Ea, this competitive exclusion by Bloomtime Biological can greatly suppress the ability of Ea from reaching the critical numbers necessary to trigger fire blight disease development.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

DO NOT APPLY THROUGH ANY TYPE OF IRRIGATION SYSTEM

Compatibility: Do not mix with copper-based compounds. Bloomtime Biological is compatible with streptomycin. If mixing with other crop protection products, it is recommended that small compatibility tests be run prior to large-scale applications. Allow a minimum of 7 days between application of Bloomtime Biological and Terramycin. Copper-based formulations are incompatible with the performance of Bloomtime Biological.

Limitations, Restrictions, and Exceptions

Note: Suggested gallonage is 50-150 gallons of water per acre. At lower rates the spray must be adjusted so as to thoroughly cover the open blooms.

Note: If more dilute sprays are necessary (200-350 gallons per acre) to get through flower coverage, then use 200 grams (0.44lb) Bloomtime Biological per acre.

DO NOT APPLY AFTER FRUIT SET

Method

[Spray](#)

Rates

[field_rates 0](#)

[field_rates 1](#)

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Restricted Entry Interval

4 hours

Timings

[Full bloom to petal fall.](#)