



**ORGANIC CLIMATIC
CROP CONDITIONER**

ROW CROPS • FIELD CROPS • TREES • VINES

- Biodegradable • Non-Toxic
- Non-Polluting

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ORGANIC CLIMATIC CROP CONDITIONER

An Aid to Prevent Freeze & Frost Damage



UNTREATED TREATED

A Cost Effective Micro-Thin Protein Pro-Polymer Coating



UNTREATED TREATED

Provides Maximum Freeze and Frost Protection on all Agricultural Crops



WSDA #2066

SAFE & EASY TO USE

- Frost Shield is a Certified Organic Product.
- Completely Safe on all Agricultural Crops.
- Non-Toxic, Biodegradable & Non-Polluting.
- Frost Shield is Non-Volatile and Nonflammable.

Registered U.S. Patent Office

CONTENTS: Organic Ingredients

Active Ingredients: Organic Co-Polymer
Conjugated Organic Homo Pro-Polymers
30% Polypeptides Enzymes
25.00% Acryletic (CPP) Organic Protein
30.00% Amino Acids Organic Enzymes
15.00% Inert Ingredients Organic Enzymes

NON-PLANT FOOD INGREDIENTS

WARRANTY

Because the manufacturer has no control over the dispersing or the use of this product, no warranty is expressed or implied. In no case will the manufacturer be held responsible for damages resulting from failure to use according to specific directions. The buyer will assume all risks and liabilities resulting from the improper handling of this product.

DISTRIBUTED BY:

BioTec Industrial



Frost Shield is WSDA Certified.

Frost Shield uses the polymers, proteins and enzymes from marine and desert plants. Designed through Biotechnology to aid and protect all crops from frost and freeze damage.

Frost Shield Performance

A bacteria inhabiting on the surface of plants contains an active protein (Ina protein) that acts as a catalyst turning water into ice. The Ina protein attracts moisture from the surrounding environment and water vapor as plants transpires. Applied properly, Frost Shield forms a protective permeable micro-thin protein pro-polymer coating, preventing contact between water and bacteria. The proteins used in Frost Shield have properties within itself that are a natural occurring antifreeze. These properties also counteract the active protein. Applied properly these proteins strengthen the plants ability to prevent frost and ice from occurring. The enzymes in Frost Shield restrict the growth and spreading of bacterial organisms, preventing any further contamination of bacteria. As temperatures begin to decline, Frost Shields permeable coating begins to seal the targeted crop reducing transpiration. Reduced transpiration aid plants to maintain warmer internal temperatures by retaining the warmth of the water vapor that's being discharged when plants transpire. As temperatures begin to rise, Frost Shields coating expands to be a micro-screen coating allowing plants to transpire and mature properly. Frost Shield will not restrict plant growth when temperatures are above freezing. Applied to any crop, the coating dries transparent leaving no visual residues. Frost Shield is Certified Organic and may be used through harvest.

Manufacturers Statement

Note: When applying Frost Shield on any agricultural crop, always obtain a completely wet and uniform coverage on all sides of the fruit and foliage to insure maximum protection from freeze and frost damage. Always use the recommended amount of Frost Shield required by the manufacturer for best protection from frost and freeze damage. Frost Shield may be applied right up to harvest. A non-ionic spreader is recommended to obtain uniform coverage. Frost Shield must be completely dry before temperatures begin to fall. Allow 4 to 6 hours for application to dry completely. Frost Shield will remain effective for 4 to 6 hours at 26 degrees. Apply every 2 weeks or as new growth appears.

Methods of Application

Frost Shield can be applied through any conventional ground sprayer. Aerial application applied by helicopter, fix wing application is not recommended

APPLICATION RATES



Deciduous Fruit Trees

Apples, apricots, cherries, pomegranates, pears, prunes, plums, peaches, nectarines, and other stone fruits.

Apply 3 quarts of Frost Shield per acre for newly planted and

young trees. Apply 4 quarts of Frost Shield per acre for larger or mature trees. Mix with enough surfactant water to achieve a completely wet and uniform coverage. Apply at bud break, bloom and fruiting stages. Apply every 2 weeks, repeat application to protect new growth as it appears.

Deciduous Nut Trees

Almonds, pecan, pistachios, and walnuts

Apply 4 -5 quarts of Frost Shield per acre depending on size of trees. Mix with enough surfactant water to achieve a completely wet and uniform coverage. Apply at bud break, bloom and fruiting stages. Apply every 2 weeks, repeat application to protect new growth as it appears.



Grapes

Apply 3 - 4 quarts of Frost Shield per acre, per application. Mix with enough surfactant water to achieve a completely wet and uniform coverage. Apply at bud break,

bloom and fruiting stages. Apply every 2 weeks, repeat application to protect new growth as it appears.



Vegetables

Artichokes, asparagus, broccoli, all bean varieties, brussel sprouts, cabbage, carrots, celery, cauliflower, corn, eggplant, all herb varieties, all onion varieties, peas, peppers, peanuts, all potato varieties, radish and all other root varieties, spin-ach, all squash varieties, sugar beets, sugar cane and tomatoes.

Apply 3 - 4 quarts of Frost Shield per acre, per application. Mix with enough surfactant water to achieve a completely wet and uniform coverage. Apply at emergence as needed and up through harvest. Apply every 2 weeks, repeat application as new growth appears.



Avocados and All Citrus

Apply 4 -6 quarts of Frost Shield per acre depending on size of trees. Mix with enough surfactant water to achieve a completely

wet and uniform coverage. Apply every 2 weeks and up through harvest.



Berries

Blackberries, blueberries, boysenberries, raspberries, strawberries, and other berry crops.

Apply 3 - 4 quarts of Frost Shield per acre, per application. Mix with

enough surfactant water to achieve a completely wet and uniform coverage. Apply at bud break, bloom and fruiting stages. Apply every 2 weeks and up through harvest. Repeat application to protect new growth as it appears.

Melons

Cantaloupe, casaba, crenshaw, honey dew, watermelon, and other melon varieties.

Apply 3 - 4 quarts of Frost Shield per acre, per application. Mix with enough surfactant water to achieve a completely wet and uniform coverage. Apply every 2 weeks, repeat application to protect new growth as it appears.

Nursery Stock And Green Houses

Apply 3 - 4 quarts of Frost Shield per acre, per application. Mix with enough surfactant water to achieve a completely wet and uniform coverage. Apply every 2 weeks, repeat application as new growth appears.

