



**ORGANIC CLIMATIC CROP CONDITIONER**

**ROW CROPS • FIELD CROPS • TREES • VINES**

- Biodegradable • Non-Toxic
- Non-Polluting

Manufactured for

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**ORGANIC CLIMATIC CROP CONDITIONER**

An Aid to Prevent Heat Stress & Sun Burn Damage



**A Cost Effective Micro-Thin Protein Pro-Biopolymer Coating**



**Provides Maximum Heat Stress & Sun Burn Protection on all Agricultural Crops**



**WSDA #2068**

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

<b>Registered U.S. Patent Office</b>
<b>CONTENTS: Organic Ingredients</b>
Active Ingredients: Organic Co-Polymer 25.00% Conjugated Organic Polypeptides Enzymes 30.00% (CPE) Acryletic Organic Enzymes & Protein 30.00% Amino Acids Organic Enzymes 15.00% Inert Ingredients Organic Enzymes <b>NON-PLANT FOOD INGREDIENTS</b>
<b>WARRANTY</b>
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.
<b>DISTRIBUTED BY:</b>
<b>BioTec Industrial Inc.</b>



An organic compound formulated through bio-technology used as an aid to protect all agricultural crops from heat stress and sun burn damage.

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

### Sun Shield Performance

Sun Shield, composed of biopolymers found in polypeptides of amino acid, proteins and enzymes of a select variety of desert plant extracts.

Intense heat and sunlight increase the rate of transpiration to plants.

When plants are unable to replace water loss through transpiration, plants may show signs of heat stress and shock. When applied properly Sun Shield forms a protective permeable micro-thin protein pro biopolymer coating providing protection for 3 to 4 weeks and up to 120 F with each application. As temperatures rise Sun Shields protective coating works in 2 ways to reduce transpiration. The protective coating seals the targeted crop reducing transpiration. Reflects sunlight and harmful UV Rays to minimize sunburn damage and slows the rate of heat exchange entering plants reducing transpiration. Aids plants to retain cooler internal temperature for a longer period of time throughout the day. When temperatures begin to cool Sun Shields protective micro thin coating responds by expanding to a micro screen coating.

Sun Shield will not shut the plant down, will not clog or block stomata openings. After sunset Sun Shields micro-screen coating allows plants to function normally and mature properly. Sun Shield is the only product able to make these claims from its use.

### Methods of Application

Sun Shield can be applied through any conventional ground sprayer or aerial application applied by helicopter only. Fixed wing application is not recommended.

### Manufacturers Statement

For best result use SUN SHIELD as a preventive spray. NOTE: When applying SUN SHIELD you must always obtain a completely wet and uniform coverage on all sides of fruit and foliage to insure maximum protection from heat stress and sun burn damage. Always use the recommended amount of SUN SHIELD per acre required by the manufacturer for the type of crop to be applied. SUN SHIELD may be applied right up through harvest on all agricultural crops. A non ionic spreader is recommended to obtain uniform coverage. SUN SHIELD must be completely dry before temperatures begin to rise, allow 4 to 6 hours for application to dry completely. All application can begin after sunset and must stop applying 1 hour after sunrise. **SUN SHIELD CANNOT BE APPLIED DURING THE DAY.**

### APPLICATION RATES



#### Vegetables

*Artichokes, asparagus, broccoli, all bean varieties, brussel sprouts, cabbage, peas, peppers, celery, cauliflower, corn, eggplant, tomatoes.*

Apply 3 and up to 4 quarts on dense foliage of sun shield per acre, mix with enough surfactant water to achieve a completely wet and uniform coverage on all fruit and foliage. Repeat application as new growth appears.



#### Deciduous Fruit Trees

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

Apply 4 to 5 quarts of SUN SHIELD per acre, mix with enough surfactant water to achieve a completely wet and uniform coverage on all fruit and foliage. Apply every 3 to 4 weeks. Repeat application as new growth appears.



#### Deciduous Nut Trees

*Almonds, pecan, pistachios, and walnuts.*

Apply 4 quarts on smaller trees and up to 8 quarts on larger trees of SUN SHIELD per acre, mix with enough surfactant water to achieve a completely wet and uniform coverage on all fruit and foliage. Apply every 3 to 4 weeks or as needed. A spreader sticker may be used to extend the life of application.



#### Avocados and All Citrus

Apply 4 to 6 quarts of SUN SHIELD per acre, mix with enough surfactant water to

achieve a completely wet and uniform coverage on all fruit and foliage. Apply every 3 to 4 weeks. Repeat application as new growth appears.



#### Grapes (All Varieties)

Apply 3 to 4 quarts of SUN SHIELD per acre, mix with enough surfactant water to achieve a completely wet and uniform coverage on all fruit and foliage. Apply every 3 to 4

weeks. Repeat application as new growth appears.



#### Melons

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

Apply 3 to 4 quarts of SUN SHIELD per acre, mix with enough surfactant water to achieve a completely wet and uniform coverage on all fruit and foliage. Apply every 3 to 4 weeks. Repeat application as new growth appears.



#### Berries

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

Apply 3 to 4 quarts of SUN SHIELD per acre, mix with enough surfactant water to achieve a completely wet and uniform coverage on all fruit and foliage. Apply every 3 to 4 weeks. Repeat application as new growth appears.

#### Nursery Stock And Green Houses

Apply 3 to 4 quarts of SUN SHIELD per acre, mix with enough surfactant water to achieve a completely wet and uniform coverage on all fruit and foliage. Apply to seedlings one day prior to transplant. Apply every 3 to 4 weeks. Repeat application as new growth appears.

