

# Cocoon<sup>®</sup>



## CROP SUNBURN & HEAT STRESS PROTECTANT

### Active Ingredient:

Kaolin ..... 100 %

Guaranteed content by:

Advan LLC, 2520 Meridian Parkway,  
Suite 525, Durham, NC 27713

## NONPLANT FOOD INGREDIENT

Net Contents: 50 Lbs (22.68 Kg.)

### Precautionary Statements

**Personal Precautions:** In case of exposure to high levels of airborne dust, wear a personal respirator in compliance with national legislation.

**Environmental Precautions:** This product does not present any particular risk to the environment. Refer to applicable national, state and local regulations.

**Clean-up Methods:** Collect mechanically and/or by flushing with water. Avoid dry sweeping. Use water spraying to prevent dust formation.

### Cocoon<sup>®</sup> crop sunburn & heat stress protectant

forms a cooling and reflecting protective white barrier on the surface of agricultural, nursery and greenhouse crops.

The Cocoon protective barrier protects plant surfaces from the harmful effects of heat stress and intense sunlight. Heat stress and intense sunlight may cause crop sunburn, slower plant growth and degraded crop quality.

### General Information

Cocoon, when mixed with water and applied to plant surfaces will form a dry, white protective barrier on all surfaces. For optimum protection, thorough, uniform and complete coverage of plant surfaces is required.

If fresh market crops will not be washed prior to sale, then care should be taken to apply this product early in the season. This precaution may minimize white residual at harvest.

The applicator may mix Cocoon with adequate water and a spreading agent or other approved crop adjuvant in order to enhance coverage of plant surfaces. The use of oil-based adjuvants may delay drying and temporarily reduce the whiteness of the film.

Cocoon may be applied through an irrigation system or by ground, air, backpack sprayer or other appropriate application equipment that provides uniform and thorough coverage of the plant surfaces.

### Sunburn Management

Apply Cocoon to fruit, foliage, limb and trunk surfaces before periods of high temperatures and/or intense sunlight. Make the initial application at the highest recommended rate. After 7 to 10 days make a second application with a sufficient rate of Cocoon for adequate coverage. Subsequent applications may be made at 7- to 21-day intervals. Rainfall, plant growth and wind erosion may affect the quality of the Cocoon surface film. After rainfall, reapplication may be necessary to maintain consistent coverage of plant surfaces. Cocoon will adhere best to dry foliage. Avoid excessively thick film coatings in order to allow the plant to perform normal physiological functions.

### Storage Instructions

**Storage:** Store in a dry area. Keep containers closed and protect from physical damage.

## Mixing Instructions

For concentrate sprays, use no less than 10 Gal. of water per acre. For ground application, 100 Gal. to 200 Gal. of water per acre is suggested in order to achieve thorough coverage on plant surfaces. **Avoid excessive run-off.** Use the rates suggested for each crop listed.

## Cocoon® crop sunburn & heat stress protectant Rate Chart

Crops	Rate Lbs/Acre
Pome fruit, such as apple, crabapple, quince, pear and loquat	25-50
Stonefruit, such as apricot, cherry, nectarine, peach, plum and prune	25-75
Tree nuts, such as almond, hazelnut, macadamia, pecan, pistachio, walnut and others	25-75
Citrus fruits, such as lemon, lime, grapefruit, mandarin, pummelo, tangelo, kumquat and orange	25-75
Berries, such as cane berry, blueberry, currant, gooseberry, cranberry and others	12.5-50
Grapes, such as wine, table or raisin	12.5-50
Fruiting vegetables, such as tomato, pepper and eggplant	25-100
Legume vegetables, such as bean, pea, chickpea, lentil and soybean	25-100
Bulb vegetables, such as onion, garlic, leek and shallot	25-100
Cucurbits, such as cucumber, honeydew, squash, pumpkin, melon and watermelon	25-100
Roots and tubers, such as carrot, beet, ginseng, radish, potato, sweet potato, yam, rutabaga and turnip	25-50
Brassica vegetables, such as broccoli, cabbage, cauliflower, collard, mustard, kale, canola and kohlrabi	12.5-25
Leafy vegetables, such as arugala, celery, lettuce, rhubarb and spinach	12.5-25
Cotton	25-100
Miscellaneous tree and vine crops, such as avocado, banana, cherimoya, coffee, fig, guava, hops, kiwifruit, mango, olive, papaya, passion fruit, persimmon, pomegranate, sapote and starfruit	25-75
Miscellaneous crops, such as artichoke, okra, paw paw, peanut, pineapple and water chestnut	12.5-50
Nursery and ornamental plants	7.5-35
Christmas trees	25-75

## WARRANTY AND LIMITATION OF DAMAGES

**CONDITIONS OF SALE:** The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Advan, LLC. To the extent allowed by law, all such risks shall be assumed by the user or buyer.

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