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**COCOON**  
HEAT STRESS PROTECTANT

**Cocoon**  
**CROP SUNBURN & HEAT STRESS PROTECTANT**

**For Organic Use**

**Active Ingredient: Kaolin 100%**

**NONPLANT FOOD INGREDIENT**

**NET CONTENTS:  
25 LBS. (11.34 KG)**

**Guaranteed Content by:**  
Advan LLC  
2525 Meridian Parkway, Suite 350  
Durham, North Carolina 27713

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**READ THE LABEL  
CAREFULLY  
BEFORE OPENING  
THE CONTAINER**

**CROP SUNBURN & HEAT STRESS PROTECTANT**

Applications of Cocoon to fruit, limb and trunk surfaces should begin early spring through periods of high temperature and / or intense sunlight. Cocoon's 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.

Cocoon Crop Sunburn & Heat Stress Protectant forms a cooling and reflecting protective white barrier on the surface of agricultural, nursery and greenhouse crops. Cocoon's 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. Early season applications at dormancy have been reported to delay onset of bud-break in colder temperature regions.

**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.

**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.

**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 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.

**Cocoon Crop Sunburn & Heat Stress Protectant Rate Chart**

Crops	Rate (Lbs./Acre)
Pome fruit, such as apple, crabapple, quince, pear and loquat	25 - 100
Stonefruit, such as apricot, cherry, nectarine, peach, plum and prune	25 - 100
Tree nuts, such as almond, hazelnut, macadamia, pecan, pistachio, walnut and others	25 - 100
Citrus fruits, such as lemon, lime, grapefruit, mandarin, pummelo, tangelo, kumquat and orange	25 - 100
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	20 - 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 arugula, 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
Pre-Bloom Applications for Pome Fruits - Do not apply to open blooms. Do not allow to drift onto open blooms. Do not apply if bees are actively foraging	25 - 100

**Sunburn Management**  
Applications of Cocoon to fruit, limb and trunk surfaces should begin early spring through periods of high temperature 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.

**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.  
TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ADVAN, LLC DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ADVAN, LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. AND ADVAN, LLC'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER AND USER ACKNOWLEDGE AND ASSUME ALL RISKS AND LIABILITY RESULTING FROM HANDLING, STORAGE AND USE OF THIS PRODUCT. ADVAN, LLC DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.



**Cocoon**

	File#: 2047479-01	Bag Type: PVFC	Line Screen: 65 lpi	67.5	BLACK	<b>ATTENTION:</b> Due to the colorants used to create some of the Pantone Matching System Colors, not all colors will be accurate on this proof. These swatches should be used as a reference only. Please refer to a Pantone Color Formula Guide for more precise color communication.
	Customer: Kamin	Bag Size: 18 X NA X 22.75	Cyl Size: 27.75	37.5	PMS 369	
	Est. Num #: 1229136_01	Cocoon 25lb	Date of Proof: 2/15/2019			
	UPCC: NA	Print Plant: EM	MFG Plant: EM			

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