

# Kumulus® DF

## Fungicide / Acaracide

Active Ingredient:

Sulfur .....80%

Other Ingredients: .....20%

Total .....100%

### KEEP OUT OF REACH OF CHILDREN CAUTION / PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by the poison control center or doctor.</li><li>• <b>DO NOT</b> give anything to an unconscious person.</li></ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"><li>• Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eyes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>HOTLINE NUMBER</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. <b>FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952 FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300</b>	

EPA Reg. No. 51036-352-2935

EPA Est. No. 7969-DEU-001

See inside for complete **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

In case of emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357). Have the product container with you when calling a poison center or doctor or going for treatment.

**Net Weight: 30 lbs**

NVA 2014-04-352-0023  
Made in Germany

Manufactured by BASF-Sparks LLC for:  
WILBUR-ELLIS COMPANY LLC  
P.O. Box 16458, Fresno, CA 93755

81105491US1026

F-012716

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**CAUTION.** Harmful if swallowed. Avoid breathing spray mist. Avoid contact with eyes, skin, and clothing.

### In Case of Emergency

In case of large-scale spillage regarding this product, call:

• CHEMTREC 1-800-424-9300

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- ASPCA (animal health): 1-800-345-4735

### Personal Protective Equipment (PPE)

Some materials that are chemically resistant to this product are listed below. For more options, refer to

**Category A** on an EPA chemical-resistance category selection chart.

### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### Engineering Controls Statement

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## USER SAFETY RECOMMENDATIONS

### Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
2. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### Environmental Hazards

**DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of rinsate or equipment washwaters. **DO NOT** apply when weather conditions favor drift from treated areas.

### Endangered Species Concerns

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

### 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. All applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** are to be followed. This labeling must be in the user's possession during application.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of **24 hours**.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

1. Coveralls
2. Chemical-resistant gloves made of any waterproof material
3. Shoes plus socks
4. Protective eyewear

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are **NOT** within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses. **DO NOT** allow people or pets on treated surfaces until the spray has dried. **DO NOT** enter or allow others to enter the treated area until sprays have dried.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal.

### Pesticide Storage

**DO NOT** store above 104°F. Store in dry place away from heat, sparks or open flame.

### Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### Container Disposal (for paper or plastic bags)

**Nonrefillable Container. DO NOT** reuse or refill this container. After completely emptying container into application equipment, dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

## USE INFORMATION

**Kumulus® DF fungicide/acaricide** is a water dispersible sulfur granule.

### Crop Tolerance

All listed crops are tolerant to **Kumulus DF**.

### Spray Coverage

Foliage must be thoroughly covered with spray. Dense leaf canopies can prevent adequate spray coverage.

### Cleaning Application Equipment

Clean application equipment thoroughly using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions before and after applying this product.

## APPLICATION INSTRUCTIONS

Apply the specified rate of Kumulus DF listed in the Application Rates section, Ornamentals and Turf and Crops, when pests or diseases are first noticed. Apply at 1 to 2 week intervals, or as needed and after wet weather.

#### Air Application Water Volume:

- **Orchards** - Use no less than 10 gallons of water per acre.
- **All other applications** - Apply 5 to 20 gallons of water per acre.

#### Ground Application (Concentrate) Water Volume:

- **Orchards** - Apply 20 to 100 gallons of water per acre.
- **All other applications** - Use no less than 5 gallons of water per acre.

#### Ground Application (Dilute) Water Volume:

- **Orchards** - Apply 100 to 800 gallons of water per acre.
- **All other applications** - Apply 20 to 60 gallons of water per acre.

#### Chemigation Instructions

Apply this product only through one or more of the following types of systems: sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation system(s).

**DO NOT** apply this product through any other type of irrigation system.

**PRECAUTION:** Corrosion of aluminum and carbon/galvanized steel irrigation sprinkler systems may be experienced with the use of sulfur fungicides. The end-user assumes all responsibility for use of this product through such systems. If the user elects to apply this product through such systems, it is essential that all application equipment containing this product be thoroughly flushed with clean water after each day's use. Continue to operate system with clean water until all product has cleared the last sprinkler head.

Crop injury or lack of effectiveness can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. **DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

**A. Center Pivot, Traveler, Big Gun, Motorized Lateral Move, End Tow, and Side (Wheel) Roll Irrigation Equipment:** Operate system and injection equipment at normal pressures recommended by the manufacturer of injection equipment used. Fill tank or injection equipment with water. Operate system for one complete circle for center pivot or one complete run for the other recommended equipment, measuring time required, amount of water injected, and acreage contained in circle or run. Mix recommended amount of product for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run, but continue to operate irrigation system until the product has been cleared from last sprinkler head. Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur.

**B. Solid Set and Hand Move Irrigation Equipment:** Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of product for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. Provide constant mechanical agitation in the mix tank to insure that the product will remain in suspension during the injection cycle. This product can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until pesticide is cleared from last sprinkler head.

#### Safety Devices

(1) The systems designated above must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. (2) All pesticide injection pipelines must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. (3) The pesticide injection pipeline must also contain a functional, normally

closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. (4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. (5) The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. (6) Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. (7) **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

#### Systems Connected to Public Water Systems

Public water systems means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or, in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

For additional instructions on safety precautions refer to statements (2), (3), (4), (6), and (7) in the section on Safety Devices.

#### ADDITIVES AND TANK MIXING INFORMATION

There is not a list of recommended additives or adjuvants for use with **Kumulus® DF fungicide/acaricide**.

#### Mixing Order

1. **Water** - Agitate a thoroughly clean sprayer tank 1/2 full of clean water.
  2. **Kumulus DF** - Add specified amount of **Kumulus DF**.
  3. If necessary, add a few drops of oil to avoid foaming.
  4. **Remaining quantity of water**
- Maintain constant agitation during application.

#### Tank Mixing Information

There is not a list of recommended tank mixes for use with this product. Consult your local County Agricultural Extension Agent or agricultural advisor for assistance.

#### RESTRICTIONS

- **Restricted Entry Interval (REI): 24 hours**
- **DO NOT** apply to or allow spray drift on sulfur-sensitive plants such as D'Anjou pears, apricots, chrysanthemums, cranberries, spinach, or other sensitive crops listed on this labeling.
- **DO NOT** apply if temperatures during or within 3 days after application are expected to exceed 90°F in the area to be treated.
- **DO NOT** use within 2 weeks of an oil spray treatment, except for dormant, delayed dormant or postharvest applications with a suitable oil. For citrus, **DO NOT** apply within 21 days of an oil spray.

#### PRECAUTIONS

- Sulfur may burn foliage when temperature is excessively high.
- When growing crops for processing, consult the processor before applying sulfur.

## APPLICATION RATES

### Ornamentals and Turf

Table 1. Kumulus® DF fungicide/acaracide Ornamentals and Turfgrass Requirements

Crop	Target Disease	Rate (lbs product/acre)	Directions
Asters Carnations	Powdery mildew	3 to 10 (ground)	Apply when disease first appears and repeat at 5 to 10 day intervals.
Calendula Cherry laurels Hollyhock Smilax	Leaf spot Powdery mildew	3 to 20 (air)	
Clematis Columbine Ivy (English) Laurel Petunia Sage	Leaf spot		
Cosmos Crape myrtle Dahlia Delphinium Gladiolus Ligustrum Sunflowers Sweet peas Violets Zinnias	Powdery mildew		
Roses	Powdery mildew Black spot		
Turf (all types and applications including, but not limited to, golf putting and non-putting greens with no cutting restrictions)	<b>Suppression of:</b> Fusarium patch Bentgrass Bluegrass Fescue Ryegrass Take-all in bentgrass	10 to 55	Monthly application September through May. Apply as a preventative measure prior to the outbreak of disease. Use higher specified rate when condition favor disease. Use higher specified rate when temperatures are less than 80° F. can cause Poa annua decline. The addition of <b>Sylgard® 309</b> adjuvant will aid in providing necessary thorough coverage.

### Crops

Table 2. Kumulus® DF fungicide/acaracide Crop-specific Requirements

Crop	Target Disease/ Pests	Rate (lbs product/acre)	Directions
Alfalfa	Lygus Pacific and strawberry (Atlantic) mites Red spider mites	12 to 25	Repeat at 1 to 2 week intervals.
Almonds Cherries Plums Prunes	Brown rot blossom blight Cherry leaf spot Flat mite Powdery mildew Red spider mite Silver mite	10 to 30	Apply at bloom or early petal fall. Repeat as necessary, usually 10 to 14 days or after wet weather. For brown rot of fruit, apply when fruit starts to ripen.
Apples Pears (dormant, delayed dormant, or postharvest)	Blister mite Pear psylla Red spider mite Two-spotted mite	10 to 20	Apply with suitable spray oil postharvest and during the dormant periods of bud development. DO NOT apply to sensitive varieties of pears except at these stages.
Apples Pears	Blister mite Powdery mildew Red spider mite Scab	10 to 20	DO NOT apply to D'Anjou pears or sensitive apple varieties (i.e., Ontario or cox orange). Apply prebloom and petal fall. Apply with cover sprays throughout the season at 10 to 14 day intervals.
Artichokes (all varieties)	Leaf spot	10 to 20	Begin when disease first appears and repeat at 7 to 10 day intervals.
Asparagus*	Rust mites	10 to 30	Use after cutting. Irrigate and cultivate before applying. Repeat at 7 to 10 day intervals through fern growth season.
Avocados	Brown mite	10 to 30	Apply when mites are first noticed.

**Table 2. Kumulus® DF fungicide/acaracide Crop-specific Requirements (continued)**

Crop	Target Disease/ Pests	Rate (lbs product/acre)	Directions
Beans Broccoli Brussels sprouts Cabbage Cauliflower Celery Collards Kale Mustard greens Peas Peppers Potatoes Rutabagas Turnips	Powdery mildew Red spider mite Septoria leaf spot	3 to 10	Start at early leaf stage. Repeat application every 10 to 14 days with or without other pesticides immediately after a rain.
Blackberries Boysenberries Dewberries Loganberries Raspberries	Powdery mildew	6 to 15	Begin when new shoots are 6 inches long and before blossoms open. Repeat at 10 day intervals or as necessary.
Blueberries Currants Gooseberries Huckleberries	Powdery mildew	6 to 15	Begin when disease first appears. Repeat at 7 to 10 day intervals or as necessary.
Carrots Dry shallots Garlic Onions (dry and green)	Petrobia mite Powdery mildew	3 to 10	Begin when disease first appears. Repeat at 7 to 10 day intervals or as necessary.
Citrus	Broad mite Bud mite Flat mite Red spider mite Rust mite Six-spotted mite Silver mite Thrips Yuma spider mite	8 to 20	Apply in any spray not containing oil. <b>DO NOT</b> apply within 21 days of an oil application.
Clover	Powdery mildew Red spider mites	2 to 8	Apply as needed.
Corn Small grains (sorghum, soybeans)	Atlantic mite (small grain only) Powdery mildew <b>Suppression of:</b> Grass banks mite Pacific mite Red spider mite Two-spotted mite	6 to 15	Apply when disease first appears and repeat as necessary or with the regularly scheduled insecticide program.
Cotton	Atlantic mite Red spider mite Two-spotted mite	3 to 10	Apply throughout season as necessary. California Only: Apply a maximum of 5 lbs product/acre per application. Reapply as necessary.
Cowpeas	Rust	2 to 8	Begin soon after seedlings emerge. Repeat at 7 to 10 day intervals as needed throughout the season
Cucumbers	Powdery mildew	2 to 6	Apply when disease first appears and repeat as necessary. <b>DO NOT</b> apply more than 2 lbs/A per application during periods of high temperatures.
Dates	Bank grass mites	4 to 6	Apply as needed.
Eggplants	Powdery mildew	2 to 5	Apply 2 to 5 lbs product/acre per application. Begin when first true leaves appear. Repeat at weekly intervals as needed.
Figs	Fig rust mite Eriophyid mites	4 to 6 or 15 to 30	Apply 4 to 6 lbs product/acre in 100 gallons of water as a dilute application or 15 to 30 lbs product/acre as an air or concentrate application. Apply in spring and early summer when damage to foliage (russeting) appears. A second application may be necessary.
Flax	Powdery mildew	2 to 8	Begin at first sign of disease. Repeat at 7 to 10 day intervals or as necessary.

Table 2. Kumulus® DF fungicide/acaracide Crop-specific Requirements (continued)

Crop	Target Disease/ Pests	Rate (lbs product/acre)	Directions
Grapes	Blister mite Bud mite Phomopsis Powdery mildew Red spider mite	2 to 10	Apply in late dormancy or with the cutworm spray, early shoot period and through season on a 7 to 14 day schedule or with other pesticides.
Grass hay*	<b>Suppression of:</b> Winter grain mite Clover mite	10 to 25	Apply when mites are present, from late fall to mid-spring. Repeat application as necessary.
Hops	<b>Suppression of:</b> Red spider mites	2 to 4	Apply as needed for suppression.
Lettuce (head and leaf)	Powdery mildew Red spider mite Rust	5 to 6	Apply at early leaf stage and repeat every 14 days or as needed.
Macadamias Walnuts	Almond mite Broad mites European red mite Pacific mite Red spider mite Two-spotted mite	10 to 20	Apply with mite sprays during season to increase the effectiveness of miticides. <b>NOTE:</b> Certain varieties are sensitive to sulfur sprays under certain conditions. <b>DO NOT</b> apply unless the varieties are known to be tolerant of sulfur.
Mangoes	Powdery mildew	10 to 30	Begin before bloom. Repeat in bloom, after fruit set, and 3 weeks later or as necessary.
Melons	Powdery mildew	5 to 25	Treat when the disease first appears and repeat as necessary. Sulfur can injure plants, especially when the temperature reaches 95°F. <b>DO NOT</b> use on sulfur sensitive varieties.
Mint	Powdery mildew	4 to 6	Apply when infection appears. Apply additional sprays at 3 week intervals until pink bud stage or 4 weeks before harvest. Apply as often as necessary to cover new growth or until growth ceases in the fall.
Nectarines Peaches	Blossom blight Brown rot Powdery mildew Red spider mite Silver mite	10 to 30	Apply at bloom or early petal fall. Repeat as necessary, 10 to 14 days or after wet weather. For brown rot of fruit, apply when fruit starts to ripen.
Olives	Olive mites	4 to 10	Apply as needed.
Papayas**	Mites (except Carmine mites)	8 to 26	Apply when mites first appear and repeat as necessary to maintain control. <b>DO NOT</b> apply in combination with emulsifiable pesticide formulations since foliar injury may occur. May be applied up to 24 hours before harvest. <b>DO NOT</b> apply to low vigor or moisture stressed plants. <b>DO NOT</b> apply prior to or during periods of excessively high temperatures, periods of low rainfall or within 2 weeks of an oil spray.
Peanuts	Leaf spot Powdery mildew Red spider mite	3 to 8	Start in early leaf stage. Repeat applications as necessary, usually 10 to 24 days.
Pecans	Eriophylid mite Flat mite Leaf spot Powdery mildew Red spider mite Silver mite S ooty mold Two-spotted mite	10 to 20	Apply at bloom or early petal fall. Repeat as necessary, usually 10 to 14 days or after wet weather. <b>NOTE:</b> Some varieties of pecans are sensitive to sulfur sprays under certain conditions. <b>DO NOT</b> apply unless varieties are known to be tolerant of sulfur.
Pistachios	Citrus flat mite	10 to 25	Apply when mites first appear. Repeat as necessary. When temperatures exceed 95° F lower rates and more frequent applications are advised in order to avoid crop injury.
Pomegranates	Mites	3 to 10	Begin application in May or June. Make additional applications on a 3 to 4 week schedule, or as necessary. Use higher specified rates if past mite damage has been high. If temperatures exceed 95° F, lower rates and more frequent applications are advised in order to avoid crop injury.
Quince	Blossom blight Brown rot Powdery mildew	10 to 30	Begin application at early leaf stage and repeat as necessary. <b>DO NOT</b> use on sulfur sensitive varieties.

**Table 2. Kumulus® DF fungicide/acaracide Crop-specific Requirements (continued)**

Crop	Target Disease/ Pests	Rate (lbs product/acre)	Directions
Seed alfalfa	Red spider mite	3 to 5	Apply 3 to 5 lbs/A as necessary. Repeat at two week intervals as necessary.
Strawberries	Powdery mildew Red spider mite	5 to 10	Start in early leaf stage, repeat applications at 10 to 14 day intervals with or without other pesticides. For powdery mildew, begin at first signs of disease and repeat as necessary. <b>DO NOT</b> use on sulfur sensitive varieties.
Squash	Powdery mildew	5 to 10	Apply when disease first appears and repeat as needed. Sulfur can injure plants, especially when temperature reaches 95°F. <b>DO NOT</b> use on sulfur sensitive varieties.
Sugar beets	Powdery mildew Red spider mite	5 to 20	Apply at first indication of problem with or without other pesticides. Repeat as necessary.
Table beets	Powdery mildew Red spider mite	3 to 5	Apply at first indication of problem with or without other pesticides. Repeat as necessary.
Tomatoes	Russet mite	3 to 20	Thorough coverage is required.
* Not registered for use in California ** Only registered in Hawaii			

**Conditions of Sale and Limitation of Warranty and Liability:**

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using the product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded

**ALL STATEMENTS MADE HEREIN ARE SUBJECT TO APPLICABLE LAW, AND TO THE EXTENT THERE IS ANY INCONSISTENCY OR CONTENTION, APPLICABLE LAW SHALL GOVERN.**

The Directions for Use of the product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of many different factors including, without limitation, manner of use or application, weather, combination with other products, or crop conditions. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Manufacturer and Seller harmless from any claims relating to such factors.

**Seller warrants that this product conforms to the chemical description on the label. EXCEPT FOR THIS WARRANTY, THE PRODUCT IS FURNISHED "AS-IS", AND NEITHER SELLER NOR MANUFACTURER MAKES ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER AND MANUFACTURER SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE BEYOND WHAT IS STATED ON THE LABEL. Buyer and User accept all risks arising from any use of this product, including without limitation, uses contrary to label instructions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Manufacturer.**

Neither Manufacturer nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE BUYER OR USER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT, OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

These Conditions of Sale and Limitation of Warranty and Liability shall be interpreted, unless otherwise required by the law of the state of purchase, in accordance with the laws of the State of California, excluding its conflicts of laws rules, and may not be amended by any oral or written agreement.

*Kumulus* is a registered trademark of BASF.  
*Slygard* is a registered trademark of Dow Corning.

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# Kumulus® DF

## Fungicide / Acaracide

### Active Ingredient:

Sulfur .....	80%
Other Ingredients: .....	20%
Total .....	100%

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION / PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

#### FIRST AID

##### If swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- **DO NOT** induce vomiting unless told to do so by the poison control center or doctor.
- **DO NOT** give anything to an unconscious person.

##### If in eyes:

- Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eyes.
- Call a poison control center or doctor for treatment advice.

##### If on skin and clothing:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

#### HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact the Poison Control Center for emergency medical treatment information: (800) 222-1222.

#### PRECAUTIONARY STATEMENTS

##### Hazards to Humans and Domestic Animals

**CAUTION.** Harmful if swallowed. Avoid breathing spray mist. Avoid contact with eyes, skin, and clothing.

##### In Case of Emergency

In case of large-scale spillage regarding this product, call:

- CHEMTREC 1-800-424-9300

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- ASPCA (animal health): 1-800-345-4735

#### Environmental Hazards

**DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of rinsate or equipment washwaters. **DO NOT** apply when weather conditions favor drift from treated areas.

#### Endangered Species Concerns

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

#### STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal.

##### Pesticide Storage

**DO NOT** store above 104°F. Store in dry place away from heat, sparks or open flame.

##### Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

##### Container Disposal

##### (for paper or plastic bags)

**Nonrefillable Container. DO NOT** reuse or refill this container. After completely emptying container into application equipment, dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

See attached booklet for complete Precautionary Statements, Directions for Use and state-specific crop and/or use site restrictions.

EPA Reg. No. 51036-352-2935

EPA Est. No. 7969-DEU-001

NVA 2014-04-352-0023

**Net Weight: 30 lbs**

**Made in Germany**

Manufactured by BASF-Sparks LLC for:  
WILBUR-ELLIS COMPANY LLC  
P.O. Box 16458, Fresno, CA 93755

81105491US1026

F-012716



Batch.No.:

Date of Production:



(01)00026223018028