STATE OF HAWAII
Department of Agriculture
ACCEPTED
LICENSE NO.
8143.34

DISC.

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 by mouth to an unconscious person.
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 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. FOR 24-HOUR EMERGENY MEDICAL ASSISTANCE CALL: 1-866-303-6952 FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300**	

Manufactured by BASF-Sparks LLC for:
Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

Made in Germany

EPA Reg. No. 51036-352-66330
EPA Est. No. 7969-DEU-01
NVA 2009-04-352-0096

81075133US1033 - 032213

Net Weight: 30 lbs

Arysta LifeScience

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some Materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for 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, 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 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 Warranty and Disclaimer Statement 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.

I. General Information

Kumulus® DF fungicide/acaracide 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.

II. Application Information

Apply the recommended rate of Kumulus® DF listed in Table 1 when pests or diseases are first noticed. Apply at 1-2 week intervals, or as needed and after wet weather. Refer to Section VII. Crop-Specific Information for more details.

~xmam1365429970.indd 2 08.04.2013 16:10:30

Air Application Water Volume:
- Orchards: Apply in no less than 10 gallons of water per acre.
- All other applications: Apply in 5-20 gallons of water per acre.

Ground Application (Concentrate)
Water Volume:
- Orchards: Apply in 20-100 gallons of water per acre.
- All other applications: Apply in no less than 5 gallons of water per acre.

Ground Application (Dilute)
Water Volume:
- Orchards: Apply in 100-800 gallons of water per acre.
- All other applications: Apply in 20-60 gallons of water per acre.

GENERAL 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.

~xmam1365429970.indd 3 08.04.2013 16:10:30

APPLICATION RATES

ORNAMENTALS AND TURF			
CROP	**PEST**	**Rate Per Acre**	**Directions**
Asters,Carnations	Powdery mildew	3-10 pounds (ground) 3-20 pounds (air)	Apply when disease first appears and repeat at 5-10 day intervals.
Calendula, Cherry laurels, Hollycock, Smilax	Leaf spot, Powdery mildew		
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/non-putting greens with no cutting restrictions)	Suppression of Fusarium patch in bentgrass, bluegrass, ryegrass, fescue and Take-all in bentgrass	10-55 pounds	Monthly application September through May. Apply as a preventive measure prior to the outbreak of disease. Use higher rate when conditions favor disease. Use higher rate when temperatures are less than 80°F. Can cause *Poa Annua* decline. The addition of Sylgard® 309 adjuvant will aid in providing necessary thorough coverage.

III. Additives
ARYSTA LIFESCIENCE NORTH AMERICA, LLC ("Arysta") does not have a list of recommended additives or adjuvants for use with Kumulus® DF.

IV. Mixing Order
1) Water: Begin by agitating a thoroughly clean sprayer tank half full of clean water.
2) Kumulus® DF: Add recommended 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. For more information, refer to section V. General Tank Mixing Information.

V. General Tank Mixing Information
ARYSTA LIFESCIENCE NORTH AMERICA, LLC does not have a list of recommended tank mixes for use with this product. Consult your local County Agricultural Extension Agent or agricultural advisor for assistance.

APPLICATION RATES-CROPS			
CROP	**PEST**	**Rate per Acre**	**DIRECTIONS**
Alfalfa	Lygus, Pacific, and Strawberry (Atlantic) mites, Red spider mites	12-25 pounds	Repeat at 1-2 week intervals.
Almonds, Cherries, Plums, Prunes	Brown rot blossom blight, Powdery mildew, Cherry leaf spot, Silver mite, Flat mite, Red spider mite	10- 30 pounds	Apply at bloom or early petal fall. Repeat as necessary, usually 10-14 days or after wet weather. For brown rot of fruit, apply when fruit starts to ripen.
Apples, Pears (Dormant, Delayed Dormant, or Postharvest)	Pear Psylla, Blister mite, Two-Spotted mite, Red Spider mite	10-20 pounds	Apply with a 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	Powdery mildew, Scab, Blister mite, Red spider mite	10-20 pounds	Do not apply to D'anjou pears or sensitive apple varieties (i.e., Ontario or Cox orange). Apply pre-bloom and petal fall. Apply with cover sprays throughout the season at 10-14 day intervals.
Artichokes (all varieties)	Leaf Spot	10-20 pounds	Begin when disease first appears and repeat at 7-10 day intervals.
Asparagus*	Rust, Mites	10-30 pounds	Use after cutting. Irrigate and cultivate before applying. Repeat at 7-10 day intervals through fern growth season.
Avocados	Brown mite	10-30 pounds	Apply when mites are first noticed.
Beans, Peas, Broccoli, Brussels sprouts, Cabbage, Cauliflower, Celery, Collards, Kale, Peppers, Potatoes, Mustard greens, Rutabagas, Turnips	Powdery mildew, Septoria leaf spot, Red Spider mite	3-10 pounds	Start at early leaf stage. Repeat application every 10-14 days with or without other pesticides immediately after a rain.

~xmam1365429970.indd 4 08.04.2013 16:10:30

APPLICATION RATES-CROPS			
CROP	**PEST**	**Rate per Acre**	**DIRECTIONS**
Blackberries, Boysenberries Dewberries, Loganberries, Raspberries	Powdery mildew	6- 15 pounds	Begin when new shoots are 6 inches long and before blossoms open. Repeat at 10 day intervals or as necessary.
Blueberries, Gooseberries, Currants, Huckleberries	Powdery mildew	6-15 pounds	Begin when disease first appears. Repeat at 7-10 day intervals or as necessary.
Carrots, Onions (Dry and Green), Dry shallots,Garlic	Petrobia mite, Powdery mildew	3-10 pounds	Begin when disease first appears. Repeat at 7-10 day intervals or as necessary.
Citrus	Broad mite, Bud mite, Six-spotted mite, Rust mite, Flat mite, Silver mite, Red Spider mite, Yuma Spider mite, Thrips	8-20 pounds	Apply in any spray not containing oil. Do not apply within 21 days of an oil application.
Cucumbers	Powdery mildew	2-6 pounds	Apply when disease first appears and repeat as necessary. Do not apply more than 2 pounds per acre per application during periods of high temperatures.
Clover	Powdery mildew, Red Spider mites	2-8 pounds	Apply as needed
Corn,Small grains:Sorghum, Soybeans	Suppresses: Red Spider mite, Two-spotted mite, Grass Banks mite, and Pacific mite; controls: Atlantic mite (small grain only), Powdery mildew	6-15 pounds	Apply when disease first appears and repeat as necessary or with the regularly scheduled insecticide program.
Cotton	Red Spider mite, Atlantic Mite, Two-spotted Mite, Red Spider Mite	3-10 pounds	Apply throughout season as necessary. California Only: Apply a maximum of 5 lbs per acre as necessary
Cowpeas	Rust	2- 8 pounds	Begin soon after seedlings emerge. Repeat at 7 to 10 day intervals as needed throughout the season.
Dates	Bank grass mites	4-6 pounds	Apply as needed.
Eggplants	Powdery mildew	2-5 pounds	Apply 2 to 5 pounds per acre. Begin when first true leaves appear. Repeat at weekly intervals as needed.
Flax	Powdery mildew	2-8 pounds	Begin at first sign of disease. Repeat at 7-10 day intervals or as necessary.
Figs	Fig Rust mite, Eriophyid mites	4-6 pounds or 15-30 pounds	Apply 4-6 pounds in 100 gallons of water as a dilute application or 15-30 pounds per 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.
Grapes	Powdery mildew, Bud mite, Blister mite, Red Spider mite, Phomopsis	2-10 pounds	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*	Suppression of Winter Grain mite, Clover mite	10–25 pounds	Apply when mites are present, from late fall to mid-spring. Repeat application as necessary.
Hops	Suppression of Red Spider mites	2-4 pounds	Apply as needed for suppression.
Lettuce, (Head and Leaf)	Powdery mildew, Rust, Red Spider mite	5-6 pounds	Apply at early leaf stage and repeat every 14 days or as needed.
Mangoes	Powdery mildew	10-30 pounds	Begin before bloom. Repeat in bloom, after fruit set, and 3 weeks later or as necessary.
Melons	Powdery mildew	5-25 pounds	Treat when the disease first appears and repeat as necessary. Sulfur can injure plants, especially when the temperature reaches 95°F. Do not use on sulfur sensitive varieties.

~xmam1365429970.indd 5 08.04.2013 16:10:30

APPLICATION RATES-CROPS			
CROP	**PEST**	**Rate per Acre**	**DIRECTIONS**
Mint	Powdery mildew	4-6 pounds	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.
Olives	Olive mites	4-10 pounds	Apply as needed.
Papayas (Hawaii only)	Mites (Except Carmine mites)	8 - 26 pounds	Apply when mites first appear and repeat as necessary to maintain control. Do not apply in combination with emulsifiable pesticide formulations since foliar injury may occur. May be applied up to 24 hours before harvest. Do not apply to low vigor or moisture stressed plants. Do not apply prior to or during periods of excessively high temperatures, periods of low rainfall or within two weeks of an oil spray.
Peaches, Nectarines	Brown rot, Blossom blight, Powdery mildew, Silver mite, Red Spider mite	10- 30 pounds	Apply at bloom or early petal fall. Repeat as necessary, 10-14 days or after wet weather. For brown rot of fruit, apply when fruit starts to ripen.
Peanuts	Powdery mildew, Red Spider mite, Leaf spot	3-8 pounds	Start in early leaf stage. Repeat applications as necessary, usually 10-24 days.
Pecans	Powdery mildew, Leaf spot, Silver mite, Flat mite, Red Spider mite, Sooty mold, Two Spotted mite, Eriophylid mite	10-20 pounds	Apply at bloom or early petal fall. Repeat as necessary, usually 10-14 days or after wet weather. NOTE: Some varieties of pecans are sensitive to sulfur sprays under certain conditions. Do not apply unless varieties are known to be tolerant of sulfur.
Pistachios	Citrus Flat mite	10-25 pounds	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	3-10 pounds	Begin application in May or June. Make additional applications on a 3-4 week schedule, or as necessary. Use higher 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.
Seed Alfalfa	Red Spider mite	3-5 pounds	Apply 3 to 5 pounds per acre as necessary. Repeat at two week intervals as necessary.
Quince	Brown rot, Blossom blight, Powdery mildew	10-30 pounds	Begin application at early leaf stage and repeat as necessary. Do not use on sulfur sensitive varieties.
Squash	Powdery mildew	5-10 pounds	Apply when disease first appears and repeat as needed. Sulfur can injure plants, especially when temperature reaches 95°F. Do not use on sulfur sensitive varieties.
Strawberries	Powdery mildew, Red Spider mite	5-10 pounds	Start in early leaf stage, repeat applications at 10-14 day intervals with or without other pesticides. For Powdery mildew, begin at first signs of disease and repeat as necessary. Do not use on sulfur sensitive varieties.
Sugar beets	Red Spider mite, Powdery mildew	5-20 pounds	Apply at first indication of problem with or without other pesticides. Repeat as necessary.
Table beets	Red Spider mite, Powdery mildew	3-5 pounds	Apply at first indication of problem with or without other pesticides. Repeat as necessary.
Tomatoes	Russet mite	3-20 pounds	Thorough coverage is required.
Walnuts,Macadamias	Broad mites, European Red mite, Pacific mite, Almond mite, Two-spotted mite, Red Spider mite	10-20 pounds	Apply with mite sprays during season to increase the effectiveness of miticides. Note to user: Certain varieties are sensitive to sulfur sprays under certain conditions. Do not apply unless the varieties are known to be tolerant of sulfur.

* Not Registered in California

~xmam1365429970.indd 6 08.04.2013 16:10:30

VI. Restrictions and Limitations

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

Crops:

This product can be used on the following crops:

Fruit
Ornamental
Row crop
Tree nut
Vegetable

Look inside for complete Restrictions and Limitations and Application Instructions.

Insects and Mites listed in this label

Almond mite	Flat or False Spider mite
Banks Grass mite	Pacific mite
Blister mite	Peach Silver mite
Broad mite	Pearleaf Blister mite
Brown mite	Petrobia mite
Bud and Rust mite	Red Spider Mite
Citrus Flat mite	Russet mite
Citrus Red mite	Silver mite
Cyclamen mite	Strawberry (Atlantic)
European Red mite	Spider mite
Fig ruse mite	Two Spotted Spider mite

Diseases listed in this label

Black Spot	Powdery Mildew
Brown Rot	Scab, apple
Blossom Blight	Scab, pear
Cherry Leaf Spot	Septoria leaf spot
Ornamental Leaf Spot	

For additional information, call 1-866-761-9397.

Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer. Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

Kumulus is a registered trademark of BASF.
Arysta LifeScience and the Arysta LifeScience logo are registered trademarks of Arysta LifeScience Corporation.
Sylgard is a registered trademark of Dow Corning.

NVA 2009-04-352-0096

~xmam1365429970.indd 7 08.04.2013 16:10:30

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 by mouth to an unconscious person.

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

IF ON SKIN OR CLOTHING:
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR 24- HOUR EMERGENY MEDICAL ASSISTANCE CALL:
1-866-303-6952 FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
Harmful if swallowed. Avoid breathing spray mist. Avoid contact with eyes, skin, and 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.

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.
For additional information call: 1-866-761-9397

EPA Reg. No. 51036-352-66330
EPA Est. No. 7969-DEU-01
NVA 2009-04-352-0096

Manufactured by BASF-Sparks LLC for:
Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

81075133US1033 - 032213

Made in Germany

Net Weight: 30 lbs

Arysta LifeScience

Batch.No.:

Date of Production: