



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 11, 2016

Matthew Brooks  
Regulatory Consultant  
Sulphur Mills, Ltd.  
c/o Ag-Chem Consulting  
12644 Chapel Rd. Suite 108  
Clifton, VA 20124

Subject: Notification per PRN 98-10 – Adding additional pests and diseases on endive, swiss chard and salsify  
Product Name: Cosavet DF  
EPA Registration Number: 70905-1  
Application Date: 3/9/2016  
Decision Number: 515137

Dear Matthew Brooks:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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If you have any questions, you may contact Nathan Mellor at 703-347-8562 or via email at [mellor.nathan@epa.gov](mailto:mellor.nathan@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Heather Garvie".

Heather Garvie, Product Manager 24  
Fungicide and Herbicide  
Registration Division (7505P)  
Office of Pesticide Programs

**NOTIFICATION**

70905-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

04-11-2016

**SULPHUR MILLS  
COSAVET DF®  
[ABN COSAVET DF EDGE]  
Fungicide - Miticide**

OMRI™  
Listed

<b>ACTIVE INGREDIENT:</b>	<b>BY WT.</b>
Sulfur* .....	80.0%
<b>OTHER INGREDIENTS:</b> .....	<u>20.0%</u>
<b>TOTAL</b> .....	100.0%

\*CAS No. 7704-34-9

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

<b>FIRST AID</b>	
<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>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further 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 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	

**Manufactured by:**  
**SULPHUR MILLS LIMITED**  
**604/605, 349 Business Point**  
**Western Express Highway,**  
**Andheri (E), Mumbai ,**  
**India 400 069**

**EPA Reg. No. 70905-1**

**EPA Est. No. 70905-IND-1**

**Batch No. \_\_\_\_\_**

**NET WEIGHT \_\_\_\_LBS \_\_\_\_KG**

For 24-Hour Emergency Information, contact CHEMTREC (1-800-424-9300)

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist.

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are listed below.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants,
- Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride,
- Shoes plus socks,
- Protective eyewear.

Follow manufacturer's instructions for cleaning/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:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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 equipment washwaters. Do not apply when weather conditions favor drift from treated areas. Do not apply where run-off is likely to occur.

**PHYSICAL HAZARDS**

Sulfur dust suspended in air ignites easily. Keep away from heat, sparks, or flames. Do not smoke while applying this product.

**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.

#### **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: coveralls, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks and 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 WPS for agricultural pesticides [40 CFR Part 170]. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons and domestic animals out of the treated area until sprays have dried.

### **STORAGE AND DISPOSAL**

Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

**STORAGE:** Store in a cool place. Protect from excessive heat. Store product in original container only away from water, food, or feed. Keep container closed to prevent spills and contamination. Carefully open containers. After partial use, replace lid and close tightly. Do not put concentrate or diluted product into food or drink containers.

**PESTICIDE DISPOSAL:** Do not contaminate water, food, or feed by disposal. Improper disposal of excess pesticide, pesticide spray, or rinsate is a violation of Federal law. Wastes resulting from the use of this product that cannot be used according to the label instructions or chemically reprocessed may be disposed of on site or at a landfill or waste disposal facility approved for pesticide disposal, or in accordance with all applicable Federal, state, or local regulations. For further guidance, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Empty containers retain vapor and product residues.

**Nonrefillable Container (flexible-bag-all weights):** Do not reuse or refill this container. Offer for recycling, if available. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE), CALL INFOTRAC AT (800) 535-5053.**

### **PRODUCT INFORMATION**

Sulfur may cause severe fruit and foliage injury to certain crops. Sulfur sensitive plants include D'Anjou and Comice pears, apricots, cranberries, certain varieties of cucurbits, filberts, spinach, tung walnuts, and certain ornamentals. Apples, pears and strawberries are susceptible to foliage burn with sulfur under certain climatic conditions. Sulfur may burn foliage when temperature is high.

#### **Restrictions**

**DO NOT** apply if temperatures during or within 3 days after application are expected to exceed 90° F.

**DO NOT** use within 2 weeks of an oil spray treatment except for dormant, delayed dormant or postharvest applications with a suitable spray oil. **For citrus, do not apply within 21 days of an oil spray.** When growing crops for processing, consult the processor before applying sulfur.

For tank mixtures: **DO NOT** mix with any product which contains a prohibition on tank mixing, and follow more restrictive labeling of any tank mix partner. Pour the specified amount of product into water and stir to make a thin slurry. Add slurry to tank when partially full before other materials are added. Add wetting agents last to avoid foaming. Keep spray mixture agitated while spraying.

Apply to crops as needed in season when mites or diseases first appear and when insect buildup and plant disease damage are imminent. Repeat as directed. Use the lower rate when disease or insect pressure is low. Use the higher rate when disease or insect pressure is severe.

## DIRECTIONS FOR DILUTION

**DILUTE APPLICATION: Ground application:** Apply specified rate in 20-60 gallons of water per acre. **Orchard application:** Apply specified rates in 100-800 gallons of water per acre.

**CONCENTRATE APPLICATION: Ground application:** Apply specified rate in not less than 5 gallons of water per acre. **Orchard application:** Apply specified rate in 20-100 gallons of water per acre. Special concentrate equipment is necessary for these uses.

**AERIAL APPLICATION:** Apply specified rate in 3-20 gallons of water per acre. Do not make applications to orchards using less than 10 gallons of water per acre.

## CROP USE DIRECTIONS

**ALFALFA (including seed alfalfa): Atlantic Mite, Red Spider Mite.** Apply 12 to 25 lbs of Cosavet DF per acre throughout season as necessary.

**ALMONDS, CHERRIES, NECTARINES, PEACHES, PLUMS, PRUNES: Powdery Mildew, Brown Rot, Leaf Spot, Silver Mite, Flat Mite, Red Spider Mite.** Apply 10 to 20 lbs of Cosavet DF per acre. For Brown Rot, spray when fruits start ripening. For remaining pests and diseases, apply at bloom or early petal fall and repeat as necessary, usually 10-14 days or after a period of wet weather.

**APPLES, PEARS, QUINCE: pre-bloom and petal fall: Powdery Mildew, Scab, Blister Mite, Red Spider Mite, Pear Psylla.** Apply 10 to 20 lbs of Cosavet DF per acre. Apply with cover sprays throughout the season. **DO NOT** apply to d'Anjou pears.

**APPLES, PEARS: dormant, delayed dormant, or postharvest: Pear Psylla, Blister Mite, Two-Spotted Mite, Red Spider Mite.** Apply 10-20 lbs of Cosavet DF per acre 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.

**ARTICHOKES: Leaf Spot, Powdery mildew.** Apply 10-20 lbs of Cosavet DF per acre. Begin at first sign of disease and repeat applications at a 7-10 day interval.

**ASPARAGUS: Rust.** Apply 10 to 30 lbs of Cosavet DF per acre. Use after cutting stops. Irrigate and cultivate before applying. Repeat at 7-10 days intervals throughout the season.

**AVOCADOS: Brown Mite.** Apply 10 to 30 lbs of Cosavet DF per acre when mites are first noticed and as needed thereafter.

**BANANAS: Mites.** Apply 10-30 lbs of Cosavet DF per acre. Begin applications at first sign of disease and reapply as needed.

**BARLEY, CORN, OATS, RYE, SORGHUM, WHEAT: For suppression of Red Spider Mite, Two Spotted Mite, Grass Banks Mite, Pacific Mite and for control of Atlantic Mite (Small Grains only).** Apply 6 to 15 lbs of Cosavet DF per acre when insect pressure is imminent and repeat spray as necessary or apply with the regularly scheduled pest control program.

**BEANS, PEAS: Powdery Mildew, Rust, Red Spider Mite Leaf spot.** Apply 3 to 10 lbs of Cosavet DF per acre. Start in early leaf stage. Repeat application every 10-14 days with or without pesticides immediately after a rain.

**BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER: Powdery Mildew, Rust, Red Spider Mite.** Apply 3 to 10 lbs of Cosavet DF per acre starting in early leaf stage. Repeat applications every 10-14 days with or without pesticides immediately after a rain.

**BLACKBERRIES, BOYSENBERRIES, LOGANBERRIES, DEWBERRIES, RASPBERRIES: Powdery Mildew, (Red Berry Mite Raspberries only)** Apply 6 to 12 lbs of Cosavet DF per acre. Begin application before blossoms open and repeat at 10 days intervals as necessary.

**BLUEBERRIES, GOOSEBERRIES, CURRANTS, HUCKLEBERRIES: Powdery Mildew.** Apply 6 to 15 lbs of Cosavet DF per acre beginning when disease first appears. Repeat at 7-10 days interval or as necessary.

**CELERY: Powdery mildew, red spider mite and rust.** Apply 4 to 6 lbs of Cosavet DF per acre. Apply at early leaf stage and repeat applications at a 7 -10 day interval, as needed.

**COWPEAS: Rust.** Apply 2 to 9 lbs of Cosavet DF per acre. Begin applications as soon as seedlings emerge and repeat at a 7-10 day interval as needed.

**CARROTS: Petrobia Mite, Powdery Mildew.** Apply 3-10 lbs of Cosavet DF per acre at early leaf stage and repeat application every 14 days as needed.

**CITRUS: Flat Mite, Silver Mite, Rust Mite, Bud Mite, Red Spider Mite, Six-Spotted Mite, Thrips, Yuma Spider Mite.** Apply 8 to 20 lbs of Cosavet DF per acre. Apply in any spray NOT CONTAINING OIL or following oil by 21 days.

**CLOVER:** Mites, Powdery Mildew. Apply 2-9 lbs of Cosavet DF per acre.

**COTTON: Atlantic Mite, Red Spider Mite.** Apply 5 to 10 lbs of Cosavet DF per acre throughout season as necessary.

**CUCURBITS: Powdery Mildew.** Apply when the disease first appears and repeat as necessary throughout the growing season at 10-14 days intervals. Sulfur can injure plants, especially when temperatures exceed 95° F. Do not use on sulfur sensitive varieties. **Cucumbers:** Apply 2 to 6 lbs of Cosavet DF per acre. **Melons:** Apply 20-25 lbs of Cosavet DF per acre. **Squash:** Apply 5-10 lbs of Cosavet DF per acre.

**DATES: Banks Grass Mite.** Apply 20 lbs of Cosavet DF per acre. Begin applications when mites or mite webbing is noticed and apply every 14 days as necessary until dates are mature and no more feeding occurs. Apply in sufficient water to provide thorough coverage of date clusters.

**EGGPLANT: Powdery Mildew.** Apply 2 to 5 lbs of Cosavet DF per acre. Begin applications when first true leaves appear. Repeat applications on a weekly basis as needed.

**ENDIVE, SWISS CHARD, SALSIFY: Powdery Mildew, Red Spider Mite, Rust.** Apply 4 to 6 lbs of Cosavet DF per acre at early leaf stage and repeat every 10 to 14 days or as needed.

**FIGS (California Only): Fig Rust Mite, Eriophyid Mite.** Apply 4 to 6 lbs of Cosavet DF per acre beginning in April and continuing on a 3-4 week schedule until June.

**GARLIC, ONIONS: Powdery Mildew and Petrobia mites.** Apply 3-10 lbs of Cosavet DF per acre at early leaf stage and repeat application every 14 days as needed.

**GRAPES: Powdery Mildew, Bud Mite, Blister Mite, Red Spider Mite.** Apply 3 to 10 lbs of Cosavet DF per acre in late dormant or with cutworm spray, early shoot period and through season on a 14 day schedule or with pesticides.

**GRASS SEED CROPS: Mites and Rust.** Apply 5 to 10 lbs of Cosavet DF per acre when mites appear and repeat on a 7-10 days schedule. For rust control, a tank mix with a triazole fungicide such as propiconazole is recommended.

**GREENS- TURNIP, COLLARDS, KALE AND MUSTARD GREENS: Powdery mildew, Red Spider Mite, Rust, Septoria Leaf Spot.** Apply 3 to 10 lbs of Cosavet DF per acre at early leaf stage and repeat every 14 days or as needed.

**HOPS (Not for use in California): Red Spider Mite.** Apply 2-6 lbs of Cosavet DF per acre when mites appear and repeat every 14 days or as needed to maintain control. **Powdery Mildew.** Apply 4-6 lbs of Cosavet DF per acre when new shoots emerge and repeat every 14 days throughout the season.



**KAVA (HI only): (Awa, Kawa) Carmine spider mites.** Apply 8 to 20 lbs of Cosavet DF per acre in sufficient water to cover entire plant leaf surface. Apply as a dilute spray in a minimum of 100 gallons per acre. For severe infestations, apply on a 7 -10 day schedule. Once control is obtained, apply on a 14-21 day schedule.

**LETTUCE: Head and Leaf: Powdery Mildew, Rust, Red Spider Mite.** Apply 5 to 10 lbs of Cosavet DF per acre at early leaf stage and repeat every 14 days as needed. Thorough coverage is required.

**MANGOES: Powdery Mildew.** Apply 10 to 30 lbs of Cosavet DF per acre starting before bloom. Repeat in bloom after fruit set and 3 weeks later or as necessary.

**OKRA: Leaf Spot, Mites, Powdery Mildew.** Apply 3 to 10 lbs of Cosavet DF per acre. Apply at early leaf stage and repeat every 14 days as needed.

**OLIVE:** Olive mite. Apply 10 to 30 lbs of Cosavet DF per acre. Apply as needed.

**PAPAYA (HI only): Mites (including Broad mites, Flat mites, and Spider mites, except Carmine mites).** Apply 8 to 26 lbs of Cosavet DF per acre when mites first appear and repeat applications as necessary to maintain control. **DO NOT** tank mix with EC (emulsifiable concentrate) formulations of other pesticides as foliar injury is likely to occur. **DO NOT** apply to weak or moisture stressed trees. Avoid applications during periods of excessively high temperatures or periods of low rainfall.

**PEANUTS: Powdery Mildew, Red Spider Mite, Leaf Spot.** Apply 5 to 8 lbs of Cosavet DF per acre. Start in early leaf stage. Repeat applications as necessary.

**PECANS (Not for use in California): Powdery Mildew, Sooty Mold, Two Spotted Mite, Red Spider Mite.** Apply 10 to 20 lbs of Cosavet DF per acre at bloom or early petal fall. Repeat as necessary.

**PEPPERS: Powdery Mildew, Red Spider Mite.** Apply 3 to 10 lbs of Cosavet DF per acre beginning at the initial stage of vegetation and repeat every 14 days as needed.

**PEPPERMINT, SPEARMINT: Powdery Mildew.** Apply 4 to 6 lbs of Cosavet DF per acre when mint is 5-6" tall or when disease first appears. Repeat twice at 30 days intervals. **DO NOT** apply within 30 days of harvest.

**PINEAPPLE (HI only): Mites.** Apply 10 to 30 lbs of Cosavet DF per acre when mites first appear and repeat applications as necessary to maintain control.

**PISTACHIOS: Citrus Flat Mite.** Apply 20 to 25 lbs of Cosavet DF per acre when mites first appear. Repeat as necessary. When temperatures exceed 90° F, lower rates and make more frequent applications to avoid crop injury.

**POTATOES, SWEET POTATOES: Powdery Mildew, Red Spider Mite.** Apply 3 to 10 lbs of Cosavet DF per acre at early leaf stage and repeat every 14 days as needed.

**POMEGRANATES: Mites.** Apply 3 to 10 lbs of Cosavet DF per acre. Begin applications in late spring/early summer when mites begin to appear. Make additional applications on a 3-4 week schedule or as necessary. When temperatures are at or exceed 95° F, reduce rates and apply on a more frequent schedule to avoid possible crop injury.

**SOYBEANS: Leaf Spot, Powdery Mildew.** Apply 6 to 15 lbs of Cosavet DF per acre when disease first appears and repeat as necessary or with the regularly scheduled insect control program.

**STRAWBERRIES: Powdery Mildew, Red Spider Mite.** Apply 5-10 lbs of Cosavet DF per acre. For Mites, start in early leaf stages. 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.** Apply 10 to 20 lbs of Cosavet DF per acre at first indication of problem with or without other pesticides. Repeat at 10 to 30 days intervals as necessary.

**TABLE BEETS: Powdery Mildew, Red Spider Mite.** Apply 3-5 lbs of Cosavet DF per acre as soon as symptoms appear and repeat every 2 to 3 weeks as necessary.

**TOMATOES: Russet Mite, Two-spotted Mite, Powdery Mildew.** Apply 3-10 lbs of Cosavet DF per acre at onset of symptoms. For Russet Mite apply 10 to 20 pounds per acre. Thorough coverage is required.

**TURNIPS, PARSNIPS, HORSERADISH, RADISH, RUTABAGAS: Powdery Mildew, Red Spider Mite.** Apply 3 to 10 lbs of Cosavet DF per acre at the early leaf stage and repeat every 14 days as needed.

**WALNUTS, MACADAMIA NUTS (Hawaii): Pacific Mite, Almond Mite, Two-Spotted Mite.** Apply 10-20 lbs of Cosavet DF per acre throughout the season as needed. Certain varieties of walnuts are sensitive to sulfur sprays under certain conditions. **DO NOT** apply unless the varieties are known to be tolerant to sulfur in your area.

**ORNAMENTALS: (Ground Application)** Apply 3 to 10 lbs of Cosavet DF in 100 gallons of water per acre. **(Aerial Application)** Apply 3 to 20 lbs of Cosavet DF per acre in a minimum of 10 gallons of water per acre. Ensure complete plant coverage. Begin when disease first appears and repeat at a 5 to 10 day interval.

**Asters, Carnations:** For control of Powdery Mildew.

**Calendula, Cherry Laurels, Chrysanthemum, Hollyhock, Smilax:** For control of Leaf Spot and Powdery Mildew.

**Clematis, Columbine, Ivy (English), Laurel, Petunia, Sage:** For control of Leaf Spot.

**Cosmos, Crepe Myrtle, Dahlia, Delphinium, Gladiolus, Ligustrum, Sunflowers, Sweet Peas, Violets, Zinnias:** For control of Powdery Mildew.

**Roses:** For control of Powdery Mildew and Black Spot.

**TURFGRASS (Commercial turf and grass including golf courses, parks, athletic fields, sod farms) Fusarium Patch (suppression), Powdery Mildew, Rust, Take-All (suppression). Ground Application:** Apply 3 to 10 lbs of Cosavet DF per acre in 20 to 60 gallons of water. Make applications at the first sign of disease or when climatic conditions favor disease development. Repeat applications as needed. Tank mixes with systemic fungicides will improve control and aid in prevention resistance from developing.

## CHEMIGATION APPLICATION

**Instructions:** Only apply this product through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Uneven distribution of treated irrigation water can result in crop injury or lack of effectiveness. Do not apply when wind speed favors drift beyond the area intended for treatment.

Contact State Extension Service Specialists, equipment manufacturers, or other experts if you have any questions about calibration. 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.

Do not connect the chemigation system to any public water system. A public water system means any system for 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.

This product may be applied in conjunction with chemically neutral liquid fertilizers. Application in conjunction with highly alkaline fertilizers, such as aqueous ammonia, may cause pesticide degradation, resulting in reduced performance, and should be avoided.

**System Requirements:** Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- The system must contain a functional check valve, vacuum relieve valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must 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.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 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.
- 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.

**Spray Preparation:** Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water. Prepare a suspension of this product in a mix tank. Fill the tank with  $\frac{1}{2}$  to  $\frac{3}{4}$  the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of this product and then the remaining volume of water.

**Sprinkler Irrigation:** Follow the requirements in the System Requirements section above. Set sprinkler system to deliver 0.1 – 1.25 inches of water per acre. Efficacy may be reduced with higher volumes of water. Start sprinkler and uniformly inject the suspension of this product into the irrigation water line so as to deliver the desired rate per acre. The suspension of this product should be injected with a positive displacement pump into the main line ahead of the right angle turn to ensure adequate mixing. When treatment with this product has been completed, do not irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop. Where sprinkler distribution patterns do not overlap sufficiently, unacceptable pest control may result. Check local restrictions and requirements regarding sprinkler applications, as they may vary from state to state.

**Application Instructions:** Follow the requirements in the System Requirements section above. Apply this product only through systems containing anti-siphon and check valves designed to prevent water source contamination or overflow of the mix tank and containing interlocking controls between the

metering device and the water pump to ensure simultaneous shutoff. Maintain a gentle continuous agitation in mix tank during mixing and application to ensure a uniform suspension.

Injecting a larger volume of a more dilute suspension per unit of time will provide greater accuracy in calibration and distribution. Application of more than recommended quantities of irrigation water per acre may result in decreased product performance.

Do not apply when wind speed favors drift, when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product cannot be flushed and must be dismantled and drained. In a center pivot system, block the nozzle set nearest the well, pivot, or injection unit to prevent spray being applied to this area. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.

**NOTE:** Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

**COSAVET DF<sup>®</sup>** is a registered trademark of **SULPHUR MILLS LTD.**  
OMRI<sup>™</sup> is a trademark of the Organic Materials Review Institute.