

Broad Spectrum Fungicide

# Sporatec®

## FIFRA 25(b) Exempt Pesticide

This product has not been registered by the United States Environmental Protection Agency. Brandt Consolidated, Inc., represents that it is exempt from registration under the Federal Insecticide, Fungicide and Rodenticide Act [FIFRA 25(b)] as a minimum risk pesticide. All ingredients contained in this formulation are contained in 40 CFR 152.25, as well as list 4A of the Federal Register.

**KEEP OUT  
OF REACH OF  
CHILDREN  
CAUTION**

See enclosed booklet for complete Precautionary Statements and Directions For Use.

## Active Ingredients

Rosemary Oil	18.00%
Clove Oil	10.00%
Thyme Oil	10.00%
Other Ingredients*	62.00%
<b>Total</b>	<b>100.00%</b>

\* Wintergreen Oil, Lactic Acid, n-butyl ester and Lecithin.

**OMRI**  
Listed

**NET CONTENTS: 2.5 GAL PER BOTTLE. PACKED 2 X 2.5 GAL**



1028-01-100

Manufactured for:  
**Brandt Consolidated, Inc.**  
2935 South Koke Mill Road  
Springfield, Illinois 62711 USA

**BRANDT**

## 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 IN EYES:** Flush with water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician if irritation persists.

**IF ON SKIN OR CLOTHING:** Wash exposed area with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Get medical attention if irritation persists.

**IF INHALED:** Remove person to fresh air.

**IF SWALLOWED:** Rinse mouth out with water. Seek medical attention if feeling sick or nauseous.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or spray mist. May be harmful if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Persons applying this product should wear long sleeve shirts and long pants, shoes and socks, protective eyewear, and chemical resistant gloves made of neoprene, nitrile or natural rubber.

### USER SAFETY RECOMMENDATIONS

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

### ENVIRONMENTAL HAZARDS

This product is not toxic to wildlife and possesses minimum risk to fish and aquatic organisms. Avoid direct contact to water. This product may be toxic to bees so avoid application when bees are actively foraging.

### PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flames. Store only in original container.

## GENERAL INFORMATION

SPORATEC is a broad spectrum, contact fungicide. It controls diseases such as Botrytis Gray Mold (strawberries), Powdery Mildews (grapes, gerbera daisies), Phytophthora Late Blight (tomatoes), etc.

- Disease preventative and curative.
- Prevents fungal attack of plant tissues.
- Prevents and controls black spot on roses, anthracnose, rust and powdery mildew.
- Disrupts the cell wall of spores and hyphae.
- For best results, maintain constant agitation in spray equipment.
- For optimal performance, do not mix with cold water (less than 45° F).
- Do not apply to wilted or otherwise stressed plants, or to newly transplanted materials prior to root establishment.
- Check for leaf and flower burn in small-scale trials before conducting large-scale application of SPORATEC.
- When used in conjunction with beneficial insects, it is recommended that a small trial be conducted to assure compatibility before using on a large scale.

## DIRECTIONS FOR USE

Use only according to label instructions. Read the entire label before using this product.

Only protected handlers may be in the application area. Do not apply this product in a way that will contact workers or other persons either directly or through drift.

### 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 also contains specific instructions and exceptions pertaining to statements on this label about personal protective equipment (PPE). The requirements of this box only apply to uses of this product that are covered by the Worker Protection Standard.

### NO REENTRY INTERVAL AND NO PREHARVEST INTERVAL.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and involves contact with anything treated such as plants or soil is: Long sleeved shirt, long pants, shoes and socks, chemical resistant gloves.

### **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 Standard 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 out of treated areas until sprays have dried. Wear protective clothing when using or handling this product to help avoid exposure to eyes and skin. Eye protection, gloves, a long-sleeved shirt, and long-pants are recommended. Allow spray to dry before allowing adults, children, or pets on treated areas.

### **Plant Safety**

The use directions of this product are based on the results of product testing programs on a wide variety of ornamental plants. However, it is impossible to test this product on all species and cultivars. The phytotoxicity of SPORATEC has been assessed on a wide variety of common ornamental plants with no phytotoxicity. However, not all plant species and their varieties and cultivars have been tested with SPORATEC applied alone or with a possible tank mix combinations, sequential pesticide treatments, and adjuvants and surfactants. Local conditions also can influence plant tolerance and may not match those under which testing has been conducted. Therefore, before using SPORATEC, test the products on a sample of the plant and/or seedling. Do not apply on plants when the temperature is 90° F or above.

### **THE USE OF ADJUVANTS (SPREADERS AND/OR PENETRANTS) IS HIGHLY RECOMMENDED FOR IMPROVING PERFORMANCE.**

SPORATEC can be applied through most standard or field type sprayers after dilution and mixing with water in accordance with label instructions. For best results, spray coverage should be uniform and complete. Always read and follow label directions for adjuvants.

### **Preharvest Interval**

SPORATEC may be applied to crops at any time up to and including the day of harvest.

Use volume of water necessary for uniform and complete spray coverage of foliage.

**Use lower rates for light to moderate insect infestations and higher rates for heavy infestations. Repeat application as required to maintain the desired level of control.**

### **Mixing and Application Instructions**

**SHAKE WELL BEFORE USING. TO MAINTAIN A HOMOGENEOUS SPRAY MIXTURE, CONSTANT AGITATION OR RECIRCULATION IS REQUIRED.**

Apply spray solutions in properly maintained and calibrated equipment capable of delivering the desired volumes. Always clean tank, pump and lines thoroughly with water after use.

### **Mixing**

Add SPORATEC to one-half (1/2) tank under agitation containing water of 45° F or greater before filling to desired level. When combining with other products, such as adjuvants, insecticides, fungicides, or fertilizers, add these products first when the tank is approximately 1/2 full. Ensure that there is good agitation while mixing for complete emulsification. Maintain agitation during spray application.

In areas with hard water (water with a total hardness of greater than 200 ppm), it is recommended that completely fill tank with water first and then add a water softener, mix thoroughly, add the appropriate quantity of SPORATEC, and mix thoroughly. It is critical that the water softener be added to the entire quantity of water and mixed thoroughly before introducing the SPORATEC to achieve maximum emulsion.

### **Application Equipment and Techniques**

Spray droplet size should be adjusted to maximize coverage, minimize drift, and allow application to the intended exposure area only.

### **Boom Equipment**

For best control using hydraulic or hydraulic air assist equipment, use the recommended rate of this product in sufficient gallons of spray solution per acre as a broadcast spray. Spray should thoroughly wet foliage but not run off.

### **Hand-held and High Volume Equipment**

Spray-to-wet applications of this product may be made with knapsack and backpack sprayers, pump-up pressure sprayers, handguns, hand wands, and other hand-held spray equipment and vehicle mounted high volume spray equipment. For the most efficient use of spray mixture, spray all leaf surfaces uniformly and completely to wetness.

### **Aerial Applications**

- Prior to application, check the aircraft/helicopter spray equipment for uniformity of spray pattern, spray width and output.
- Apply a minimum of 15 gallons per acre of diluted product.
- Optimum results are obtained when plant foliage is not too dense.
- Coverage is essential for good control. Use an output that will ensure optimum product penetration and coverage.
- Make aerial applications when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph.
- Low humidity and high temperature increase the evaporation rate of spray droplets and therefore the likelihood of good coverage.
- Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orientating nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.
- Spray should be released at the lowest height consistent with pest control and flight safety. Applications more than 10 feet above the crop canopy is not recommended.

## APPLICATION RATES

SPORATEC is an effect fungicide for prevention and control of various fungal diseases. Applications should be made once the disease is observed.

<b>CROPS INCLUDING, BUT NOT LIMITED TO</b>	<b>DISEASES INCLUDING, BUT NOT LIMITED TO</b>	<b>APPLICATION RATE IN 100 GALLONS PER ACRE FOR GROUND APPLICATIONS</b>
<b>Legume &amp; Fruiting Vegetables</b> Beans, Eggplants, Lentils, Peas, Peanuts, Peppers, Tomatoes	Bacterial Spot, Early Blight, Early Leaf Spot, Gray Mold, Late Blight, Powdery Mildew, Bean Rust, Botrytis Neck, Pin Rot, Rust	<b>1.0 - 3.0 Pints</b>
<b>Bulb, Cole &amp; Leafy Vegetables</b> Broccoli, Cabbage, Cauliflower, Celery, Garlic, Lettuce, Onions, Spinach	Alternaria Leaf Spot, Downy Mildew, Gray Mold, Powdery Mildew, Black Root Rot, Botrytis Neck Rot, Pin Rot, Rust	<b>1.0 - 3.0 Pints</b>
<b>Cucurbits</b> Cantaloupes, Cucumbers, Melons, Squashes, Watermelons	Alternaria Leaf Spot, Downy Mildew, Powdery Mildew	<b>1.0 - 3.0 Pints</b>
<b>Root &amp; Tuber Vegetables</b> Potatoes, Radishes, Sweet Potatoes, Turnips	Bacterial Spot, Early Blight, Early Late Blight, Powdery Mildew, Black Root Rot	<b>1.0 - 2.0 Pints</b>
<b>Small Fruits &amp; Berries</b> Blackberries, Blueberries, Cranberries, Raspberries, Strawberries	Anthraxnose Fruit Rot, Downy Mildew, Gray Mold, Powdery Mildew, Sour Rot	<b>1.0 - 3.0 Pints</b>
<b>Grapes and Hops</b> Grapes (Raisin, Table, Wine)	Powdery Mildew, Downy Mildew, Black Rot, Botrytis Bunch Rot	<b>1.5 - 3.0 Pints</b>
<b>Herbs</b> Anise, Basil, Dill, Mint, Peppermint, Spearmint, Thyme and Wintergreen	Powdery Mildew	<b>1.0 - 2.0 Pints</b>
<b>Stone Fruits, Pome Fruits</b> Apples, Apricots, Cherries, Peaches, Nectarines, Olives, Pears, Plums, Prunes, Pomegranates and Persimmons	Fire Blight, Scab, Powdery Mildew, Brown Rot Blossom Blight, Anthracnose, Rust, Gray Mold, Cherry Leaf Spot, Fruit Brown Rot, Black Rot	<b>2.0 - 3.0 Pints</b>
<b>Citrus and Sub Tropicals</b> Avocados, Lemons, Grapefruit, Oranges, Papayas, Bananas, Plantains, Mangos	Alternaria Rot, Botrytis Rot, Greasy Spot, Scab, Brown Rot	<b>2.0 - 3.0 Pints</b>
<b>Nuts</b> Almonds, Cashews, Pecans, Pistachios, Walnuts	Scab, Walnut Blight, Brown Rot Blossom Blight, Anthracnose, Rust	<b>2.0 - 4.0 Pints</b>
<b>Field Crops</b> Corn, Cotton, Sorghum, Soybeans, Sweet Corn, Tobacco	Bacterial Blight, Leaf Spots, Anthracnose, Rust, Powdery Mildew, Downy Mildew, Seedling Blight	<b>1.0 - 3.0 Pints</b>

For aerial applications use a minimum of 15 gallons of spray volume per acre. Complete coverage of foliage is essential to achieve control. The foliage should be completely WET, but avoid runoff. The use of a spreader and/or penetrant adjuvant improves product performance.

## LIVERWORT AND MOSS CONTROL

SPORATEC may be applied in nurseries, forestry nurseries, greenhouses, and landscape settings (sidewalks, patios, decks, etc.) to control bryophytes (liverworts, mosses, and hornworts). Apply SPORATEC at 0.8% - 1.6% (1-2 fl oz per gal of water, respectively). In nurseries and greenhouses where bryophytes may occur in potted plants, make a directed spray on the bryophytes wetting heavily. Avoid spraying foliage of potted plant. Some nursery plants, such as conifer seedlings, may tolerate a broadcast application but a test area should be evaluated before making large scale applications.

## TURF AND LAWNS DISEASE CONTROL

SPORATEC is an effective fungicide for the prevention and control of various fungal diseases including dollar spot and brown patch.

DISEASE	RATE/5 GAL WATER/1000 SQ FT	APPLICATION TIMING/INTERVAL
<b>Fusarium Blight</b> , (F. roseum), <b>Red Thread</b>	7-10 fl oz 10 -14 fl oz	Begin when grass greens up in spring / 7 -14 days. Use during favorable disease conditions / 7 days.
<b>Dollar Spot</b> (Sclerotinia)	10 -14 fl oz 14 fl oz	Begin when grass greens up in spring / 7 -14 days. Use during favorable disease conditions / 7 days.
<b>Leaf Spot</b> (Helminthosporium spp.)	5 -7 fl oz	Begin when disease appears.
<b>Rhizoctonia Brown Patch</b>	10 -14 fl oz	Use during favorable disease conditions / 3-5 days.
<b>Pythium Blight</b>	14 fl oz	Begin at first sign of disease / 5 days or more often during favorable disease conditions.
<b>Leaf Rust, Stem Rust, Stripe Rust</b>	5 -7 fl oz	Begin when disease first appears / 7 -10 days.

## GREENHOUSE, NURSERY AND LANDSCAPE DISEASE CONTROL

SPORATEC is an effective fungicide for the prevention and control of various fungal diseases including anthracnose, rust, scab and black spot on roses.

DISEASE	RATE	APPLICATION TIMING/INTERVAL
<b>Anthracnose</b> (Colletotrichum spp.)	32-48 fl oz/100 gallon in greenhouses (potted plants, flowering bench crops) and outdoor flowering plants. 64-84 fl oz/100 gallon in outdoor woody plants.	Apply to the point of drip before disease is detected or when conditions are favorable for disease development. Continue at 7-14 day intervals until the threat of disease is over. Under heavy pressure, use the highest rate and the shortest interval. Under light disease pressure, the application may be extended.
<b>Black Spot</b> (Diplocarpon rosae)		
<b>Botrytis</b> (Botrytis spp.)		
<b>Downy Mildew</b> (Peronospora spp.)		
<b>Leaf spot</b> (Septoria spp.)		
<b>Powdery Mildew</b> (Erysiphya spp., Microsphaera spp., Oidium spp., Podosphaera spp., Sphaeratheca spp.)		
<b>Rust</b> (Gymnosporangium spp., Phragmidium spp.)		
<b>Scab</b> (Cladosporium spp.)		
<b>Scab</b> (Venturia inaequalis)		
<b>Myrothecium</b> (Myrothecium spp.)		

**STORAGE AND DISPOSAL**

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

**Storage**

Keep container tightly closed when not in use. Store only in the original container in a cool dry place away from children and pets. Keep from freezing.

**Pesticide Disposal**

Wastes resulting from the use of this product may be disposed of on-site or at an appropriate waste disposal facility.

**Container Disposal**

Do not reuse empty container. Triple rinse empty container then puncture and dispose of container in a sanitary landfill, or incinerator, or if allowed by state and local regulations, by burning. If burned, stay out of smoke. Triple rinsed containers may be offered for recycling.

**Warranty**

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use; but neither this warranty nor any other warranty of merchantability or fitness of a particular product expressed or implied, extends to the use of this product contrary to label conditions, or under conditions not reasonably foreseeable to the seller; and buyer assumes the risk of any such use.