



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 14, 2017

Jacob Moore  
Regulatory Consultant for  
BioWorks, Inc.  
c/o Technology Sciences Group, Inc.  
1150 18TH ST., NW, SUITE 1000  
WASHINGTON, DC 20036

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 – Revise label by adding Warranty Statement per PR Notice 98-10  
Product Name: PB133  
EPA Registration Number: 68539-13  
Application Date: October 17, 2017  
OPP Decision Number: 535199

Dear Mr. Moore:

The U.S. Environmental Protection Agency (EPA) is in receipt of your application for notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Biopesticides and Pollution Prevention Division (BPPD) 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 labeling submitted with this application has been stamped “Notification” and will be placed in our records. You must submit one (1) copy of the final printed labeling with the modifications.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the 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 EPA 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 Assurance.

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EPA Reg. No. 68539-13  
OPP Decision No. 535199

If you have any questions, please contact James Parker of my team by phone at (703) 306-0469 or via email at [parker.james@epa.gov](mailto:parker.james@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is written in a cursive style with a large, stylized initial 'A'.

Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

**NOTIFICATION**

68539-13

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:

11/14/2017

# PB133

## Alternate Brand Name: MilStop® SP Broad Spectrum Foliar Fungicide

**MASTER LABEL, containing:**

**Sublabel A: Greenhouse, Field and Turf & Ornamental Use**

**Sublabel B: Home & Garden Use**

**ACTIVE INGREDIENT:**

Potassium Bicarbonate ..... 85.00%

**OTHER INGREDIENTS:** ..... 15.00%


**TOTAL:** ..... 100.00%

**EPA Reg. No.:** 68539-13

**Sublabel A: Greenhouse, Field and Turf & Ornamental Use**

# PB133

## Alternate Brand Name: MilStop® SP Broad Spectrum Foliar Fungicide

 (For Organic Production) (For Use in Organic Production) (Can be used in organic production) (For Organic Lawn Care) (For Use in Organic Lawn Care) (Can be used in organic lawn care) [OMRI Listed™ (logo placeholder)]

**ACTIVE INGREDIENT:**

Potassium Bicarbonate ..... 85.00%

**OTHER INGREDIENTS:** ..... 15.00%

**TOTAL:** ..... 100.00%

**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 by a poison control center or doctor.</li><li>• Do not give anything to an unconscious person.</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.</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. You may also contact 1-800-222-1222 for emergency medical treatment information.	

**See (back) (side) panel for additional precautionary statements and directions for use.**

**EPA Reg. No.:**68539-13  
**EPA Establishment No.:** XXXXX-XX-XX  
**(Batch No. / Lot No.:** XXX)

**Net Weight:** 5 or 25 lbs

**Manufactured by:**  
BioWorks, Inc.  
100 Rawson Rd. Suite 205  
Victor, NY 14564

## PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals - CAUTION.** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**Personal Protective Equipment (PPE):** Applicators and other handlers must wear:

- long-sleeved shirt and long pants, and
- shoes plus socks.

Follow the 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.

**User Safety Recommendations:** Users should:

- remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when disposing of equipment washwater or rinsate.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. 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.

### 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 the label about personal protective equipment (PPE), and restricted entry interval (REI). 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 1 hour.

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, waterproof gloves, shoes plus socks.

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product 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.

**GENERAL INFORMATION:** PB133 is a broad spectrum, contact foliar fungicide that controls a variety of diseases on terrestrial and indoor woody and herbaceous ornamental plants, and on greenhouse, nursery and agricultural crops, and on turf. PB133 is applied using a sufficient volume of water to ensure complete coverage of all stems and foliage.

**NOTICE TO USER:** Due to variability within species and in application techniques and equipment, and possible tank mix combinations, neither the manufacturer nor the seller has determined whether PB133 can be safely used on all varieties and species of ornamentals, greenhouse, turf and agricultural plants under all conditions. Therefore, the professional user should determine if PB133 can be used safely before broad usage by applying the prescribed use rate under the conditions expected to be encountered to a small test area. Any adverse effects should be visible within 14 days.

For curative disease control on sensitive crops apply at a rate of 2.5 pounds of PB133 per 100 gallons of water per week and increase the rate each week in 0.25 pound increments. Do not exceed a use rate of 5.0 pounds per acre per application.

**IMPORTANT:** Read the entire label before using PB133. Consult your State Agricultural Experiment Station or Extension Service Specialist for additional information on timing of applications, rates, and any additional requirements or restrictions.

**MIXING INSTRUCTIONS:** PB133 must be diluted with water before applying. Carefully measure and mix the product and water.

1. Fill tank with 1/2 to 3/4 of the selected volume of water prior to the addition of PB133. Start mechanical or hydraulic agitation.
2. Slowly add the required amount of PB133 to the tank.
3. Continue to fill the tank with water to the desired volume while agitating to promote uniform distribution and prevent settling.

DO NOT MIX WITH OTHER SOLUBLE PESTICIDES OR FERTILIZERS NOT COMPATIBLE WITH MILD ALKALINE SOLUTIONS. THE ADDITION OF SURFACTANT OR WETTING AGENT TO SPRAY IS NOT REQUIRED. PRODUCT IS PRE-FORMULATED WITH THESE PRODUCTS FOR BEST PERFORMANCE. DO NOT ADJUST SPRAY SOLUTION pH AFTER MIXING OF PRODUCT. ACIDIFICATION OF SOLUTION WILL CAUSE REDUCED PRODUCT PERFORMANCE.

**SPRAY APPLICATION METHOD:** Do not apply this product through any type of irrigation system. Do not apply directly to soil as a directed spray or drench. For best results, use a properly calibrated sprayer or similar equipment, and check equipment calibration frequently.

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

**FIELD APPLICATION:** Apply at a rate of 2.0 to 5.0 pounds of PB133 per acre. Use a sufficient volume of spray solution to obtain complete coverage of foliage and stems. Uniform and complete coverage of the foliage is essential for the most effective results. Spray volume per acre of treatment can vary depending upon plant type and stage of development. Concentration of spray solution and frequency of application will depend upon disease pressure. Do not exceed a use rate of 5 pounds of PB133 per acre, per application. Do not store unused spray solution. Dispose of unused solution on site.

**GREENHOUSE APPLICATION:** Apply at a rate of 1.25 to 5.0 pounds per 100 gallons of water. Use a sufficient volume of spray solution to obtain complete coverage of foliage and stems. Uniform and complete coverage of the foliage is essential for the most effective results. Spray volume per unit of treated area can vary depending upon plant type and stage of development. Concentration of spray solution and frequency of application will depend upon disease pressure. Do not exceed a use rate of 0.5 pounds of PB133 per 4350 sq. ft. or 1.15 pounds per 10,000 sq. ft., per application. Do not store unused spray solution. Dispose of unused solution on site.

See special instructions for use on poinsettia, impatiens and pansy.

Small Volume Application Chart: Use the chart below to determine PB133 quantities for small area applications. Adjust to desired concentration for low disease pressure or as a curative treatment.

**Chart Treatment Rate: 2.5 lbs. per 100 gallons**

Amount of	Amount of	Square feet
1 Tbsp.	1 gallon	500
2 Tbsp.	2 gallons	1,000
4 Tbsp.	4 gallons	2,000
1/8 cup	2 gallons	1,000
1/4 cup	4 gallons	2,000
1/2 cup	8 gallons	4,000
1 oz. (28 grams)	2.5 gallons	1,100
2 oz. (57 grams)	5 gallons	2,200
4 oz. (113 grams)	10 gallons	4,400

**ELECTROSTATIC SPRAYERS:** Apply at a rate of 0.625 pounds (10 ounces) to 1.125 pounds (18 ounces) per 2 gallons of water per 10,000 sq. ft. Do not exceed a rate of 1.5 pounds (24 ounces) per 2 gallons of water.

**THERMAL FOGGERS:** Apply at a rate of 0.38 pounds (6 ounces) to 0.75 pounds (12 ounces) per 1 gallon of water per 10,000 sq. ft. Use the 0.38 pounds (6 ounces) per 1 gallon of water rate for plants that are in flower. Do not exceed 0.75 pounds (12 ounces) per 1 gallon of water.

**TURF APPLICATION:** Apply at a rate of 2.5 to 5 pounds of PB133 per acre. Use a sufficient volume of spray solution to obtain complete coverage of foliage. Uniform and complete coverage of the foliage is essential for the most effective results. Spray volume per acre of treatment can vary depending upon stage of development. Concentration of spray solution and frequency of application will depend upon disease pressure. Do not exceed a use rate of 5 pounds of PB133 per acre, per application. Do not store unused spray solution. Dispose of unused solution of site.

**APPLICATION TIMING:** Start application at first sign of disease. For best protection, repeat at one to two week intervals until conditions are no longer favorable for disease development. Shorten the interval during rainy weather or during periods of high relative humidity.

For appropriate crops, apply PB133 as a post-harvest treatment to remaining foliage to decrease overwintering inoculum.

**PREHARVEST INTERVAL:** PB133 can be applied up to and including the day of harvest.

**ORNAMENTAL APPLICATIONS:** PB133 is for use in the following use sites: Greenhouse, Lath house, Shade house, Commercial and Residential Landscapes, Interiorscapes, Nursery, Container Production and Field Applications.

**ORNAMENTAL PLANT TYPES:** PB133 is for use on the following plant types: Annual and Perennial Flowers, Bedding Plants, Foliage Plants, Ground Covers, Woody and Ornamental Shade Trees, Woody and Herbaceous Ornamentals, and Ornamental Nut and Fruit Trees.

**FOR USE ON:** Ageratum, Ajuga, Almond-Ornamental, Alyssum, Andromeda, Aphelandra, Apple-Ornamental, Apricot-Ornamental, Artemisia, Aster, Azalea, Begonia<sup>1</sup>, Boxwood, Calendula, Carnation, Centaurea montana, Cherry-Ornamental, Chrysanthemum, Cineraria, Citrus, Coleus, Columbine, Coral Bells (Heuchera), Clematis<sup>1</sup>, Crabapple-Ornamental<sup>1</sup>, Crape Myrtle, Crassula, Croton, Daylily<sup>1</sup>, Delphinium, Dianthus, Dizygotheca, Dogwood, English Ivy, Episcia, Euonymus, Fern, Fir<sup>1</sup>, Forsythia, Gazania, Geranium, Gerbera daisy<sup>1</sup>, Ginseng<sup>1</sup>, Gladiolus, Gloxinia, Gypsophila, Hawthorn, Heliopsis scabra, Hibiscus, Holly, Hoya, Hydrangea, Impatiens\*, India hawthorn<sup>1</sup>, Iris, Juniper, Kalanchoe, Lavender, Lemon balm, Lilac<sup>1</sup> Lipstick balm, Lipstick Vine (Aeschynanthus), Marigold, Monarda (Bee balm), Nectarine-Ornamental, Pachysandra, Palm, Pansy\*, Peach-Ornamental, Peony<sup>1</sup>, Peperomia, Periwinkle, Philodendron, Phlox, Photinia, Pilea, Pine, Pittosporum, Plum-Ornamental, Poinsettia\*, Poppy, Pothos, Primrose, Privet, Protea, Prune-Ornamental, Pulmonaria, Pyracantha, Rhododendron, Rose, Rose-of-Sharon, Schefflera, Snapdragon, Spruce<sup>1</sup>, Statice, Tree Ivy, Verbena, Viburnum, Violet, Zinnia.

<sup>1</sup>Not for Use in California

**DISEASES CONTROLLED:** Alternaria blight, Anthracnose, Ascochyta blight, Blackspot, Botrytis blight, Botrytis gray mold, Cercospora leaf spot, Corynespora leaf spot, Didymellina leaf spot, Diplodia tip blight, Downy mildew<sup>1</sup>, Entomosporium leaf spot, Fusarium, Helminthosporium leaf spot, Ink spot, Monilinia fruit and blossom rot<sup>1</sup>, Ovulinia sp., Penicillium spp.<sup>1</sup>, Phomopsis blight, Powdery mildew, Ramularia leaf spot, Ray blight, Rust<sup>1</sup>, Scab, Septoria leaf spot.

<sup>1</sup>Not for Use in California

**\*SPECIAL INSTRUCTIONS:**

Poinsettia - For control of intense powdery mildew, apply weekly at a rate of 0.25 pounds per 4350 sq. ft. or 1/10 acre during vegetative growth prior to bract formation, and apply every 14 days at 0.5 pounds per 4350 sq. ft. thereafter. A rate of 0.5 pounds per 4350 sq. ft. applied weekly during vegetative growth has the potential to cause marginal burn to newly developing leaves, but does not injure developing bracts when applied biweekly.



Impatiens - For New Guinea impatiens, apply at a rate of 0.25 pounds per 4350 sq. ft. or 1/10 acre during vegetative growth; discontinue spraying when blossom buds are visible.

Pansy - Do not use on pansies at early stages of growth.

**AGRICULTURAL APPLICATIONS:** PB133 is for use in the following use sites: Greenhouse, Orchard, Nursery and Field Applications.

**FOR USE ON (Including):** Acorn squash, Alfalfa, Almonds, Apples, Apricots, Avocado, Barley, Basil, Blueberries, Broccoli, Brussels Sprout, Cabbage, Caneberries, Cantaloupe, Carrots, Cauliflower, Celery<sup>1</sup>, Cherries, Chicory, Citrus, Crabapple<sup>1</sup>, Crenshaw melon, Cucumber, Dry Beans, Dry Onion<sup>1</sup>, Eggplant, Endive, Escarole, Grapes, Green Onion<sup>1</sup>, Honeydew, Hops, Kale, Lettuce, Lima bean, Mango, Muskmelon, Mustard greens, Okra, Onion<sup>1</sup>, Oregano, Peaches, Pears, Peas, Pecans, Peppers, Pistachio, Plums, Potatoes, Prunes, Pumpkin, Radicchio, Rosemary, Sage, Scallion<sup>1</sup>, Snap beans, Snow peas, Soybeans, Spinach, Strawberries, Sugar Beets, Summer squash, Sweet potatoes, Thyme, Tobacco<sup>1</sup>, Tomatoes, Turnip, Walnut, Watermelon, Wheat, Winter squash, Zucchini.

<sup>1</sup>Not for Use in California

**DISEASES CONTROLLED:** Alternaria leaf spot, Anthracnose, Botrytis, Cercospora leaf spot<sup>1</sup>, Downy mildew, Fly speck<sup>1</sup>, Fusarium, Monilinia fruit and blossom rot<sup>1</sup>, Penicillium spp.<sup>1</sup>, Phoma, Phomopsis blight<sup>1</sup>, Phytophthora, Powdery mildew, Scab<sup>1</sup>, Septoria leaf spot<sup>1</sup>

<sup>1</sup>Not for Use in California

**TURF APPLICATIONS:** (Not for use in California) PB133 is for use in the following use sites: Commercial and residential lawns, golf course and other commercial turf grass sites.

**FOR USE ON:** Bentgrass, Bermuda grass, Bluegrass (Kentucky, annual), Centipede grass, Fescue (fine, tall, chewings, red), Ryegrass (perennial, annual), St. Augustine grass, Zoysiagrass

**DISEASES CONTROLLED:** Alternaria leaf spot, Anthracnose, Ascochyta blight, Brown blight, Cercospora leaf spot, Dollar spot, Downy mildew, Helminthosporium leaf spot, Powdery mildew, Rust, Septoria leaf spot.

## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in original container in a cool, dry place. Prevent exposure to moisture. Keep container tightly closed and out of reach of children. Avoid contamination with other pesticides or fertilizers.

**Pesticide Disposal:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

### **Container Handling:**

*(For pails with liner)* Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or dispose of in a sanitary landfill or by incineration. If pail is contaminated, triple rinse promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container ¼ full of water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

*(For plastic bags)* Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances. If burned, stay out of smoke.

## NOTICE

Buyer assumes all responsibility for safety if use is not in accordance with label instructions.


**IMPORTANT NOTICE: DISCLAIMER AND LIMITATION OF LIABILITY:** This product has been researched to provide necessary data to support its use on the ornamental and agricultural plants listed on the label. However, it is understood that tests may not have been carried out on all varieties or cultivars and under all growing conditions on all plants listed on the label. Always follow label directions. Exercise care when using this product on a given varietal until familiar with the results under your growing conditions.

**NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS OR IMPLIED, CONCERNING THE RESULTS OBTAINED FROM THE USE OF THE PRODUCT IF NOT USED IN ACCORDANCE WITH DIRECTIONS OR ESTABLISHED SAFE PRACTICE.** To the extent allowable by state law the exclusive remedy of the user or buyer, and the limit of liability of BioWorks, Inc. or any other Seller, for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or Buyer for the quantity of this product involved. The Buyer and all users are deemed to have accepted the terms of this Notice, which may be varied only by agreement in writing, signed by a duly authorized representative of BioWorks, Inc.

## Sublabel B: Home & Garden Use

# PB133

### Alternate Brand Name: MilStop® SP Broad Spectrum Foliar Fungicide

 (For Organic Gardening) (For Use in Organic Gardening) (Can be used in organic gardening) [OMRI Listed™ (logo placeholder)]

#### ACTIVE INGREDIENT:

Potassium Bicarbonate ..... 85.00%

OTHER INGREDIENTS: ..... 15.00%

TOTAL: ..... 100.00%

### KEEP OUT OF REACH OF CHILDREN CAUTION

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>• Do not induce vomiting unless told by a poison control center or doctor.</li><li>• Do not give anything to an unconscious person.</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.</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. You may also contact 1-800-222-1222 for emergency medical treatment information.	

**See (back) (side) panel for additional precautionary statements and directions for use.**

**EPA Reg. No.:**68539-13

**EPA Establishment No.:** XXXXX-XX-XX

**(Batch No. / Lot No.:** XXX)

**Net Weight:** 5 or 25 lbs

#### Manufactured by:

BioWorks, Inc.

100 Rawson Rd., Suite 205

Victor, NY 14564

## **PRECAUTIONARY STATEMENTS**

**Hazards to humans and domestic animals - CAUTION.** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wear goggles or safety glasses, long sleeved shirt and long pants, and shoes plus socks. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**Environmental Hazards:** To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems.

## **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**GENERAL INFORMATION:** PB133 is a broad spectrum, contact foliar fungicide that controls a variety of diseases on terrestrial and indoor woody and herbaceous ornamental, greenhouse and garden plants, and turf. PB133 is applied using a sufficient volume of water to ensure complete coverage of all stems and foliage.

**IMPORTANT:** Read the entire label before using PB133.

**MIXING INSTRUCTIONS:** Dilute PB133 with water before applying. Carefully measure and mix the stated amounts of product and water.

Mix 1 to 2 level tablespoons of PB133 per gallon of water. Do not exceed this rate. Mix the solution thoroughly before use. One gallon of this solution is sufficient to treat approximately 450 square feet. Apply the solution to all exposed surfaces of the plant. Use a sufficient spray volume to obtain complete coverage of all foliage and stems. Uniform and complete coverage is essential for the most effective results. Do not store unused spray solutions.

Spray adjuvants are not required. Some tank mixes with other pesticide products and fertilizers may produce spray mixes that are incompatible. A "jar test" is recommended for unfamiliar tank mixes. As with any pesticide, the addition of spray adjuvants and other pesticides to the spray tank may cause phytotoxicity to the foliage and/or fruit of susceptible crops and plants.

**APPLICATION TIMING:** Start application at first sign of disease. For best protection, repeat at one to two week intervals until conditions are no longer favorable for disease development. Shorten the interval during rainy weather or during periods of high relative humidity.

For appropriate crops, apply PB133 as a post-harvest treatment to remaining foliage to decrease overwintering inoculum.

**ORNAMENTAL APPLICATIONS:** (California registered uses are listed in a separate section.)

**PLANT TYPES:** PB133 is for: Woody and Ornamental Shade Trees, Woody and Herbaceous Ornamentals, Ornamental Nut and Fruit Trees, Annual and Perennial Flowers, Foliage Plants, Ground Covers and Bedding Plants.

**FOR USE ON:** Ageratum, Ajuga, Almond-Ornamental, Alyssum, Andromeda, Aphelandra, Apple-Ornamental, Apricot-Ornamental, Artemisia, Aster, Azalea, Begonia, Boxwood, Calendula, Carnation, Centaurea montana, Cherry-Ornamental, Chrysanthemum, Cineraria, Citrus, Coleus, Columbine, Coral Bells (Heuchera), Clematis, Crabapple-Ornamental<sup>1</sup>, Crape Myrtle, Crassula, Croton, Daylily, Delphinium, Dianthus, Dizygotheca, Dogwood, English Ivy, Episcia, Euonymus, Fern, Fir, Forsythia, Gazania, Geranium, Gerbera daisy, Ginseng, Gladiolus, Gloxinia, Gypsophila, Hawthorn, Heliopsis scabra, Hibiscus, Holly, Hoya, Hydrangea, Impatiens, India hawthorn, Iris, Juniper, Kalanchoe, Lavender, Lemon balm, Lilac<sup>1</sup>, Lipstick balm, Lipstick Vine (Aeschynanthus), Marigold, Monarda (Bee balm), Nectarine- Ornamental, Pachysandra, Palm, Pansy, Peach-Ornamental, Peony<sup>1</sup>, Peperomia, Periwinkle, Philodendron, Phlox, Photinia, Pilea, Pine, Pittosporum, Plum-Ornamental, Poinsettia, Poppy, Pothos, Primrose, Privet, Protea, Prune-Ornamental, Pulmonaria, Pyracantha, Rhododendron, Rose, Rose-of- Sharon, Schefflera, Snapdragon, Spruce, Statice, Tree Ivy, Verbena, Viburnum, Violet, Zinnia.

**DISEASES CONTROLLED:** Alternaria blight, Anthracnose, Ascochyta blight, Blackspot, Botrytis blight, Botrytis gray mold, Cercospora leaf spot, Corynespora leaf spot, Didymellina leaf spot, Diplodia tip blight, Downy mildew, Entomosporium leaf spot, Fusarium, Helminthosporium leaf spot, Ink spot, Monilinea fruit and blossom rot, Ovulinia sp., Penicillium spp., Phomopsis blight, Powdery mildew, Ramularia leaf spot, Ray blight, Rust, Scab, Septoria leaf spot.

**GARDEN APPLICATIONS:** (California registered uses are listed in a separate section.)

**FOR USE ON (Including):** Acorn squash, Almonds, Apples, Apricots, Avocado, Basil, Blueberries, Broccoli, Cabbage, Caneberries, Cantaloupe, Cauliflower, Celery, Cherries, Chicory, Citrus, Crabapple, Crenshaw melon, Cucumber, Dry Beans, Eggplant, Endive, Escarole, Grapes, Honeydew, Hops, Kale, Lettuce, Lima bean, Mango, Muskmelon, Mustard greens, Okra, Onion, Oregano, Peaches, Pears, Peas, Pecans, Peppers, Pistachio, Plums, Potatoes, Prunes, Pumpkin, Radicchio, Rosemary, Sage, Snap beans, Snow peas, Spinach, Strawberries, Summer squash, Sweet potatoes, Thyme, Tomatoes, Turnip, Walnut, Watermelon, Winter squash, Zucchini.

**DISEASES CONTROLLED:** Alternaria leaf spot, Anthracnose, Botrytis, Cercospora leaf spot, Downy mildew, Fly speck, Fusarium, Monilinea fruit and blossom rot, Penicillium spp., Phoma, Phomopsis blight, Phytophthora, Powdery mildew, Scab, Septoria leaf spot

**TURF APPLICATION:** PB133 is for use in the following use sites: Residential lawns and other turf grass sites.

**FOR USE ON:** Bentgrass, Bermuda grass, Bluegrass (Kentucky, annual), Centipede grass, Fescue (fine, tall, chewings, red), Ryegrass (perennial, annual), St. Augustine grass, Zoysiagrass

**DISEASES CONTROLLED:** Alternaria leaf spot, Anthracnose, Ascochyta blight, Brown blight, Cercospora leaf spot, Dollar spot, Downy mildew, Helminthosporium leaf spot, Powdery mildew, Rust, Septoria leaf spot.

**FOR USE ONLY IN CALIFORNIA**

**FOR USE ON:** Acorn squash, Almonds, Apples, Apricots, Cantaloupe, Cherries, Chicory, Crenshaw Melon, Cucumber, Endive, Escarole, Grapes, Honeydew, Lettuce, Muskmelon, Peaches, Pears, Peppers, Pistachio, Plums, Prunes, Pumpkin, Radicchio, Rose, Spinach, Strawberries, Summer squash, Tomatoes, Walnut, Watermelon, Winter squash, Zucchini

**DISEASES CONTROLLED:** Downy mildew, Powdery mildew

### **STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in a cool dry place inaccessible to children.

**Pesticide Disposal and Container Handling:** Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling, if available. **If partly filled:** Call your local solid waste agency or (800) 858-7378 (National Pesticide Information Center) for disposal instructions. Never place unused product down any indoor or outdoor drain.

### **NOTICE**

Buyer assumes all responsibility for safety if use is not in accordance with label instructions.

**IMPORTANT NOTICE: DISCLAIMER AND LIMITATION OF LIABILITY:** This product has been researched to provide necessary data to support its use on the ornamental and agricultural plants listed on the label. However, it is understood that tests may not have been carried out on all varieties or cultivars and under all growing conditions on all plants listed on the label. Always follow label directions. Exercise care when using this product on a given varietal until familiar with the results under your growing conditions.

**NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS OF IMPLIED, CONCERNING THE RESULTS OBTAINED FROM THE USE OF THE PRODUCT IF NOT USED IN ACCORDANCE WITH DIRECTIONS OR ESTABLISHED SAFE PRACTICE.** To the extent allowable by state law the exclusive remedy of the user or buyer, and the limit of liability of BioWorks, Inc. or any other Seller, for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or Buyer for the quantity of this product involved. The Buyer and all users are deemed to have accepted the terms of this Notice, which may be varied only by agreement in writing, signed by a duly authorized representative of BioWorks, Inc.

## OPTIONAL LABEL CLAIMS

- Biofungicide.
- Broad Spectrum Foliar Fungicide
- For the Control of Powdery Mildew and other diseases on terrestrial and indoor ornamental plants, greenhouse and agricultural crops
- No pre-harvest interval (PHI).
- Low Reentry Interval (REI).