

68539-9

05/30/2012

1/23

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D C 20460

MAY 30 2012

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

Ms Jamie Aggas  
Regulatory Coordinator for BioWorks Inc  
100 Rawson Road Suite 205  
Victor NY 14564

Re Product Names BW240 WP Biological Fungicide & BW240 G Biological Fungicide  
EPA Reg Nos 68539 9 & 68539 10  
Your applications dated March 21 2012 to add alternate brand names and adjust the EPA  
Registration Numbers consistent with Pesticide Registration (PR) Notice 98 10  
Decision Nos 463545 & 463546

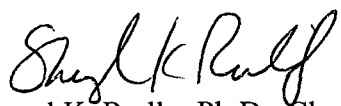
Dear Ms Aggas

The Biopesticides and Pollution Prevention Division is in receipt of your applications as indicated above for notification under PR Notice 98 10 A preliminary screen of these requests has been conducted for their applicability under PR Notice 98 10 and it has been determined that the actions requested fall within the scope of this document Our records have been duly noted and the labels submitted with these applications have been stamped Notification Accepted and will be placed accordingly in our records For each product submit two (2) copies of final printed labeling before the products as modified are sold or distributed [40 CFR § 156 10(a)(6)]

Should you wish to be informed of an acceptable notification in the future you must submit a stamped self addressed postcard which identifies the notification and EPA Registration Number of the product along with your application for notification (see Section VI(A)(3) of PR Notice 98 10)

Questions concerning this action should be directed to Ms Jeannine Kausch by phone (703 347 8920) or email ([kausch.jeannine@epa.gov](mailto:kausch.jeannine@epa.gov))

Sincerely

  
Sheryl K Reilly Ph D Chief  
Microbial Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)

CONCURRENCES

SYMBOL	7511P	7511P						
SURNAME	KAUSCH	Reilly						
DATE	05/24/2012	5/30/12						

Please read instructions on reverse before completing form

Form Approved OMB No 2070-0080



United States  
Environmental Protection Agency  
Washington DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

### Application for Pesticide Section I

1 Company/Product Number 68539 9		2 EPA Product Manager Sheryl Reilly	3 Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4 Company/Product (Name) BW240 WP Biological Fungicide		PM# 90/Microbial Pesticide Br/BPPD	
5 Name and Address of Applicant (Include ZIP Code) BioWorks Inc 100 Rawson Road Suite 205 Victor NY 14564 <input type="checkbox"/> Check if this is a new address		6 Expedited Review In accordance with FIFRA Section 3(c)(3) (b)(i) my product is similar or identical in composition and labeling to EPA Reg No _____ Product Name _____	

### Section II

<input type="checkbox"/> Amendment Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> Me Too Application
<input checked="" type="checkbox"/> Notification Explain below	<input type="checkbox"/> Other Explain below

**Explanation** Use additional page(s) if necessary (For section I and Section II)

Notification of alternate brand name (Rootshield Plus WP Biological Fungicide) addition and EPA Registration Number adjustment per PR Notice 98 10  
See page 2 for additional explanation regarding this notification

### Section III

1 Material This Product Will Be Packaged In			
Child Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2 Type of Container <input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If Yes Unit Packaging wgt	No per container
3 Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4 Size(s) Retail Container 1 3 30 lbs	5 Location of Label Directions <input checked="" type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product
6 Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

### Section IV

1 Contact Point (Complete items directly below for identification of individual to be contacted if necessary to process this application)			
Name Jamie Aggas		Title Regulatory Coordinator	Telephone No (Include Area Code) 585 924 4362
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true accurate and complete I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law			6 Date Application Received  (Stamped)
2 Signature <i>Jamie Aggas</i>		3 Title Regulatory Coordinator	
4 Typed Name Jamie Aggas		5 Date Mar 21 2012	



**BioWorks®**

How You Grow Matters

**BioWorks Inc**  
100 Rawson Road Suite 205  
Victor NY 14564

**www.bioworksinc.com**

p 800 877 9443  
585 924 4362  
f 800 903 2377  
585 924 4412

3/23

March 21 2012

Document Processing Desk  
Biopesticides & Pollution Prevention Division (BPPD)  
Office of Pesticide Programs (7504C)  
U S Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Avenue N W  
Washington DC 20460

Attention Sheryl Reilly

Subject Notification of additional alternate brand name and EPA Reg No change for  
BW240 WP Biological Fungicide  
EPA Reg No 68539 9

Dear Ms Reilly

Please find enclosed notifications for the above product Included are copies of the EPA  
approved master label the revised label for alternate brand name notification and the EPA letter  
of registration for your reference

Please feel free to contact me if you have any questions or need further information

Sincerely

Jamie Aggas  
Regulatory Coordinator  
[jaggas@bioworksinc.com](mailto:jaggas@bioworksinc.com)  
585 924 4362 X342

EPA Form 8570 1 continued from page 1

Re BW240 WP Biological Fungicide

This notification is consistent with the provisions of PR Notice 98 10 and EPA regulations at 40 CFR 152.46 and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98 10 and 40 CFR 152.46 this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

# BW240 WP Biological Fungicide

## MASTER LABEL

Sub label A Agricultural/Commercial Use

Sub-label B Residential Use (Home and Garden Use)

### ACTIVE INGREDIENTS

<i>Trichoderma harzianum</i> Rifai strain T 22*	1 15%
<i>Trichoderma virens</i> strain G 41**	0 61%

<b>OTHER INGREDIENTS</b>	<u>98 24%</u>
--------------------------	---------------

<b>TOTAL</b>	100 00%
--------------	---------

\*Contains at least 1 0 x 10<sup>7</sup> colony forming units per gram dry weight  
 \*\*Contains at least 5 3 x 10<sup>6</sup> colony forming units per gram dry weight

<p align="center"><b>KEEP OUT OF REACH OF CHILDREN</b>  <b>CAUTION</b></p>
--

**EPA Reg No** 68539 9  
**EPA Est No** 68539 NY 001

**Manufactured by**  
**BioWorks Inc**  
 100 Rawson Rd, Suite 205  
 Victor, NY 14564  
 800 877 9443  
 www.bioworksinc.com

**Notification Accepted**

**Date** 05/30/2012  
**Reviewer** J KAUSCH

6/23

**BW240 WP  
BIOLOGICAL FUNGICIDE**

**SUB LABEL A**

**For Agricultural/Commercial Use**

# BW240 WP

## Biological Fungicide

[ALTERNATE BRAND NAME ROOTSHIELD® PLUS ROOTSHIELD PLUS WP BIOLOGICAL FUNGICIDE]  
 [USE INDOORS AND OUTDOORS]  
 [USE IN FIELD APPLICATIONS GREENHOUSES GLASSHOUSES NURSERIES SHADE HOUSES LANDSCAPES  
 INTERIORSAPES SEEDLING PRODUCTION SITES AND FOREST SEEDLING PRODUCTION SITES]  
 [USE IN TANK MIXES OR ROTATIONAL ALTERNATING APPLICATION PROGRAMS WITH OTHER CROP  
 PROTECTION PRODUCTS]  
 [USE IN RESISTANCE MANAGEMENT PROGRAMS]  
 [FOR AGRICULTURAL USE]  
 [FOR USE ON ORNAMENTALS LANDSCAPE PLANTS VEGETABLES TREES SHRUBS TURF LAWNS SOD GOLF  
 COURSES (GREENS TEES FAIRWAYS AND ROUGHS) SEEDLINGS AND CONIFERS]  
 [USE IN PRODUCTION OF CONIFERS FOR REFORESTATION]

### ACTIVE INGREDIENTS

<i>Trichoderma harzianum</i> Rifai strain T 22*	1 15%
<i>Trichoderma virens</i> strain G 41**	0 61%

<b>OTHER INGREDIENTS</b>	<u>98 24%</u>
--------------------------	---------------

<b>TOTAL</b>	100 00%
--------------	---------

\*Contains at least  $1.0 \times 10^7$  colony forming units per gram dry weight

\*\*Contains at least  $5.3 \times 10^6$  colony forming units per gram dry weight

KEEP OUT OF REACH OF CHILDREN  
**CAUTION**

[See attached label booklet for First Aid Precautionary Statements, Storage and Disposal  
 Instructions and Directions for Use]

EPA Reg No 68539 9  
 EPA Est No 68539 NY 001

Manufactured by  
 BioWorks Inc  
 100 Rawson Rd, Suite 205  
 Victor, NY 14564  
 800 877 9443  
 www.bioworksinc.com

U S Patent Pending

Net Weight \_\_\_\_\_

Lot No [lot codes are sticker applied to the front panel of every label on every product container]

Expires [Use within 6 months of the date of manufacture]

### FIRST AID

<b>If in eyes</b>	Hold eye open and rinse slowly and gently with water for 15 – 20 minutes <ul style="list-style-type: none"> <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>
-------------------	--

**HOT LINE NUMBER** Have the product container or label with you when calling a poison control center or doctor or going for treatment You may also contact 1 800 222 1222 for emergency medical treatment information

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION** 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

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear protective eyewear long sleeved shirt and long pants and shoes plus socks Mixers/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N 95 R 95 or P 95 Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization Follow manufacturer s instructions for cleaning/maintaining PPE If no such instructions for washables use detergent and hot water Keep and wash PPE separately from other laundry

#### USER SAFETY RECOMMENDATIONS

Users should remove PPE immediately after handling this product As soon as possible wash thoroughly and change into clean clothing Users should remove clothing / PPE immediately if pesticide gets inside Then wash thoroughly and put on 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 high water mark Do not contaminate water when disposing of equipment washwaters or rinsate



## 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 workers may be in the area during application. For any requirement specific to your State or Tribe, consult the State or Tribal 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 4 hours.

**Exception:** If the product is soil injected or soil incorporated, the Worker Protection Standard under certain circumstances allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 protective eyewear, waterproof gloves, coveralls, shoes, and socks.

### 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 or dusts have settled.

## PRODUCT INFORMATION

BW240 WP Biological Fungicide is a preventative biological fungicide for control of plant diseases. The active ingredients are microbes *Trichoderma harzianum* Rifai strain T 22 and *Trichoderma virens* strain G 41, which when applied to seeds, to transplants, or other propagative material, or to soil or planting mixes, grow onto plant roots as they develop and provide protection against plant root pathogens such as *Pythium*, *Phytophthora*, *Rhizoctonia*, *Fusarium*, *Cylindrocladium*, and *Thielaviopsis*. BW240 WP Biological Fungicide can be used alone or in conjunction with certain chemical fungicides; consult your BioWorks Representative for more information.

**This product must not be tank mixed with chemicals that contain the following active ingredients: imazalil, propiconazole, tebuconazole, and triflumizole.** Do not apply BW240 WP Biological Fungicide immediately before these pesticides are used. See specific instructions for tank mixing. Where early season seed rot and seedling diseases are expected, use chemically treated seed or other appropriate measures for stand establishment and BW240 WP Biological Fungicide for root disease control.

**Note:** BW240 WP Biological Fungicide contains live spores of microbes that must be used prior to disease onset. BW240 WP Biological Fungicide becomes active in soil or on plants when temperatures are above 50 F and is not effective while temperatures remain cold. BW240 WP Biological Fungicide can be applied to sterilized or fumigated soil but must be applied after sterilization or fumigation.

This biological fungicide is for use in soil applications (drench in soil furrow and potting soil) on food crops ornamentals landscape plants and ornamental trees including tree seedlings for transplanting into the forest

**ATTENTION DO NOT APPLY** to sugarcane peachay, rice, mushrooms, kiwi, tobacco barley, oats lemon, apple and chickpea Not for use on aquatic crops

For food commodities In the table immediately following this paragraph greenhouse chemigation and field chemigation of food commodities are annotated with an asterisk (\*) to indicate that these methods are limited to flood drip furrow micro irrigation and ebb and flow systems with **NO OVERHEAD SPRAY** Do not apply product when above ground harvestable food commodities are present Refer to Chemigation section for additional specific directions

BW240 WP Biological Fungicide has a 0 Day PreHarvest Interval (PHI) for all crops contained on this label

### APPLY VIA GROUND APPLICATION ONLY

#### CROPS ON WHICH BW240 WP BIOLOGICAL FUNGICIDE MAY BE USED

CROPS	USE	APPLICATION RATE OF BW240 WP BIOLOGICAL FUNGICIDE
<b>Berries and Small Fruits</b> Blackberries Blueberries Currants Elderberries Gooseberries Huckleberries Loganberries Raspberries Strawberries Grapes	Cuttings or bare-rooted transplant dip Greenhouse soil drench Nursery soil drench In furrow spray or transplant starter solution *Greenhouse chemigation *Field chemigation	0.25 – 5.0 lb / 20 gal water or dip directly into dry powder 1.0 – 32.0 oz / 100 gal water 1.0 – 32.0 oz / 100 gal water 1.0 – 32.0 oz / acre 1.0 – 32.0 oz / 100 gal water 1.0 – 32.0 oz / 100 gal water
<b>Bulb Vegetables</b> Garlic Leeks Onions Shallots Ornamental Bulbs	Dust (pre plant) Bulb dip	0.03 – 3.0 lb / cwt bulbs 0.03 – 3.0 lb / cwt bulbs
<b>Cereal Grains</b> Buckwheat Corn (grain seed sweet corn silage popcorn high oil) Rye Wheat Sorghum Millet	*Field chemigation	1.0 – 32.0 oz / 100 gal water
<b>Citrus Fruits</b> Citrus Hybrids Grapefruit Kumquat Limes Oranges Pummelos	Cutting or bare rooted transplant dip Greenhouse soil drench Nursery soil drench In furrow spray or transplant starter solution *Greenhouse chemigation *Field chemigation	0.25 – 5.0 lb / 20 gal water or dip directly into dry powder 1.0 – 32.0 oz / 100 gal water 1.0 – 32.0 oz / 100 gal water 1.0 – 32.0 oz / acre 1.0 – 32.0 oz / 100 gal water 1.0 – 32.0 oz / 100 gal water

<b>Conifer Tree Seedlings, Conifer Trees</b>	Greenhouse soil drench Nursery soil drench In furrow spray or transplant starter solution Greenhouse chemigation Field chemigation	1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / acre 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water
<b>Cucurbit Vegetables</b> Cucumbers Melons (i.e. Chinese waxgourd Citron melon Muskmelons or Watermelon) Gourds Pumpkins Squash	Greenhouse soil drench In furrow spray or transplant starter solution *Greenhouse chemigation *Field chemigation	1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / acre 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water
<b>Flowers, Bedding Plants, and Ornamentals</b>	Cutting or bare rooted transplant dip Greenhouse soil drench Nursery soil drench Greenhouse chemigation Field chemigation	0 25 – 5 0 lb / 20 gal water or dip directly into dry powder 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water
<b>Fruiting Vegetables</b> Eggplant Sweet and Hot Peppers Tomatillos Tomatoes	Greenhouse soil drench In furrow spray or transplant starter solution *Greenhouse chemigation *Field chemigation	1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / acre 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water
<b>Herbs Spices, and Mints</b>	Greenhouse soil drench In furrow spray or transplant starter solution *Greenhouse chemigation *Field chemigation	1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / acre 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water
<b>Hydroponic Crops</b> Cucumbers Tomatoes Lettuce Herbs and Spices	Greenhouse soil drench *Greenhouse chemigation	1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water
<b>Leafy and Brassica (Cole) Leafy Vegetables</b> Arugula Celery Chervil Endive Fennel Lettuce (head and leaf) Parsley Radicchio Rhubarb Spinach Swiss Chard Broccoli Brussels Sprouts Cabbage Cauliflower Collards Kale Kohlrabi Mustard Greens  <b>Asparagus</b>	Cutting or bare rooted transplant dip Greenhouse soil drench In furrow spray or transplant starter solution *Greenhouse chemigation *Field chemigation	0 25 – 5 0 lb / 20 gal water or dip directly into dry powder 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / acre 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water

<b>Legume Vegetables</b> (Succulent or Dried) Beans (soybean snap dry) Lentils Peas	*Field chemigation	1 0 – 32 0 oz / 100 gal water
<b>Oilseed Crops</b> Cotton Canola Safflower Sunflower	*Field chemigation	1 0 – 32 0 oz / 100 gal water
<b>Peanuts</b>	*Field chemigation	1 0 – 32 0 oz / 100 gal water
<b>Pome Fruits</b> Pears Quince	Greenhouse soil drench Nursery soil drench In furrow spray or transplant starter solution *Greenhouse chemigation *Field chemigation	1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / acre 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water
<b>Root and Tuber Vegetables</b> Beets Sugar Beets Carrots Celeriac Chicory Horseradish Parsnip Radish Rutabaga Salsify Turnips  Potatoes Sweet Potatoes Yams Jerusalem Artichoke Cassava Ginger	Tuber or cut potato seed piece dip Dust (pre plant)  In furrow spray or transplant starter solution *Field chemigation	0 25 – 5 0 lb / 20 gal water or dip directly into dry powder 0 03 – 3 0 lb / cwt seed tubers or cut potato seed pieces 1 0 – 32 0 oz / acre  1 0 – 32 0 oz / 100 gal water
<b>Shadehouse and Outdoor Nursery Crops</b> Deciduous Trees (Maple Oak etc ) Ornamentals Grapes Citrus Pine	Cutting or bare rooted transplant dip Greenhouse soil drench Nursery soil drench In furrow spray or transplant starter solution *Greenhouse chemigation *Field chemigation	0 25 – 5 0 lb / 20 gal water or dip directly into dry powder 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / acre  1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water
<b>Stone Fruits</b> Apricots Cherries Nectarines Peaches Plums Prunes	Cutting or bare rooted transplant dip Greenhouse soil drench Nursery soil drench In furrow spray or transplant starter solution *Greenhouse chemigation *Field chemigation	0 25 – 5 0 lb / 20 gal water or dip directly into dry powder 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / acre  1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water
<b>Tree Nuts</b> Almonds Beech Nuts Brazil Nuts Butternuts Cashews Chestnuts Filberts Hickory Nuts Macadamia Nuts Pecans Pistachios	Cutting or bare rooted transplant dip Greenhouse soil drench Nursery soil drench In furrow spray or transplant	0 25 – 5 0 lb / 20 gal water or dip directly into dry powder 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / acre

Walnuts	starter solution *Greenhouse chemigation *Field chemigation	1 0 – 32 0 oz / 100 gal water 1 0 – 32 0 oz / 100 gal water
---------	---	--

### SEED TREATMENT FOR VEGETATIVELY PROPAGATED CROPS (INCLUDING POTATOES, OTHER ROOT AND TUBER VEGETABLES AND BULB VEGETABLES)

For planting or storage treat at 0.03 – 3.0 pounds BW240 WP Biological Fungicide to 100 pounds (1 cwt) of bulbs or cut potato seed pieces. Apply to cut potato seed pieces or bulbs so surfaces are thoroughly covered with dust. Alternatively, dip bulbs, tubers or cut potato seed pieces in a suspension consisting of 0.25 – 5.0 pounds of BW240 WP Biological Fungicide in 20 gallons of water.

For potatoes, apply BW240 WP Biological Fungicide with compatible chemical seed dusts. Consult your BioWorks Representative for more information. All surfaces, knives and other equipment used to cut and plant potatoes should be thoroughly sterilized before cutting and planting and at regular intervals. The cut and treated seed pieces may be held for a week or more at cool temperatures 45-50 F and high relative humidity to promote suberization or they may be planted immediately.

### DIP FOR CUTTINGS AND BARE ROOTED TRANSPLANTS

Dip cuttings and bare rooted transplants in BW240 WP Biological Fungicide dry powder or in a suspension of 0.25 – 5.0 pounds BW240 WP Biological Fungicide in 20 gallons of water. Plant treated cuttings and bare rooted transplants in potting mix or soil in the usual manner.

### SOIL DRENCH

**GREENHOUSE SOIL DRENCH** Suspend 1.0 – 32.0 ounces of BW240 WP Biological Fungicide in 100 gallons of water with agitation and apply prepared suspension as a soil drench to greenhouse planting mixes. For seeding flats or shallow (up to 4 inch depth) beds or pots, apply prepared suspension at a rate of 50 – 100 gallons per 800 square feet. For deeper beds or pots, apply prepared suspension at a rate of 100 gallons per 400 square feet. 1/2 cup (4 fluid ounces) for pots with a 3 inch diameter or 1 cup (8 fluid ounces) for pots with a 6 inch diameter.

Apply BW240 WP Biological Fungicide directly to the soil through low pressure watering nozzles such as fan nozzles or other drench watering systems. Constant agitation is required to maintain BW240 WP Biological Fungicide in suspension. BW240 WP Biological Fungicide can be tank mixed and is compatible with many commonly used fungicides, liquid fertilizers, herbicides, insecticides and biological control products registered for use on greenhouse/ornamental plants. If tank mixes are desired, observe the most restrictive of labeling limitations and precautions of all products used in mixtures. Consult your BioWorks representative for more information.

**NURSERY SOIL DRENCH** Suspend 1.0 – 32.0 ounces of BW240 WP Biological Fungicide in 100 gallons of water with agitation and apply prepared suspension as a soil drench to container nursery crops. For shallow (up to 4 inch depth) beds or pots, apply prepared suspension at a rate of 50 – 100 gallons per 800 square feet. For deeper beds or pots, apply prepared suspension at a rate of 100 gallons per 400 square feet. 1/2 cup (4 fluid ounces) for pots with a 3 inch diameter or 1 cup (8 fluid ounces) for pots with a 6 inch diameter. Apply BW240 WP Biological Fungicide directly to the soil through low pressure watering nozzles such as fan nozzles, other drench watering systems, handheld sprayers or backpack sprayers.

Constant agitation is required to maintain BW240 WP Biological Fungicide in suspension. BW240 WP Biological Fungicide can be tank mixed and is compatible with many commonly used fungicides, liquid

fertilizers herbicides insecticides and biological control products registered for use on nursery plants If tank mixes are desired observe the most restrictive of labeling limitations and precautions of all products used in mixtures Consult your BioWorks representative for more information

### IN FURROW SPRAY OR TRANSPLANT STARTER SOLUTION

Apply BW240 WP Biological Fungicide as an in furrow spray or transplant starter solution at a rate of 1.0 – 32.0 ounces/acre in sufficient water to achieve uniform application Maintain constant agitation BW240 WP Biological Fungicide can be tank mixed and is compatible with many commonly used fungicides liquid fertilizers herbicides insecticides and biological control products registered for use on the crops listed on this label If tank mixes are desired observe the most restrictive of labeling limitations and precautions of all products used in mixtures Consult your BioWorks representative for more information

### TANK MIXING

BW240 WP Biological Fungicide can be tank mixed and is compatible with many commonly used fungicides liquid fertilizers herbicides insecticides and biological control products If tank mixes are desired observe the most restrictive of labeling limitations and precautions of all products used in mixtures Consult your BioWorks representative for more information **This product must not be tank mixed with chemicals that contain the following active ingredients imazilil, propiconazole, tebuconazole, and triflumizole** Do not apply BW240 WP Biological Fungicide immediately before these pesticides are used

Do not combine BW240 WP Biological Fungicide in the spray tank with pesticides surfactants adjuvants or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible effective and non injurious under your use conditions

BW240 WP Biological Fungicide is compatible with many commonly used pesticides fertilizers adjuvants and surfactants but has not been fully evaluated with all of these To ensure compatibility of tank mix combinations evaluate them prior to use as follows Using a suitable container add proportional amounts of products to water Add wettable powders first followed by water dispersible granules then by liquid flowables and lastly emulsifiable concentrates Mix thoroughly and let stand for at least five minutes If the combination stays mixed or can be remixed it is physically compatible Test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application Do not exceed label dosage rates

This product cannot be mixed with any product containing a label prohibition against such mixing

### GREENHOUSE AND FIELD CHEMIGATION

Suspend 1.0 – 32.0 ounces of BW240 WP Biological Fungicide in 100 gallons of water with agitation and apply only through the following systems 1) pressurized drench (flood) or drip (trickle) 2) furrow 3) micro irrigation such as spaghetti tube or individual tube irrigation 4) hand held calibrated irrigation equipment such as the hand held wand with injector and 5) ebb and flow Do not apply this product through any other type of irrigation system

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 supervision of the responsible person shall shut the system down and make necessary adjustments should the need arise

#### **Requirements for Chemigation Systems Connected to Public Water Systems**

- 1) Public water system 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
- 2) Chemigation systems connected to public water systems must contain a functional reduced pressure zone back flow 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 flow 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
- 3) The pesticide injection pipeline must contain a functional automatic quick closing check valve to prevent the flow of fluid back toward the injection pump
- 4) 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
- 5) 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
- 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
- 8) Apply BW240 WP Biological Fungicide during the last half of the water application period. Mix BW240 WP Biological Fungicide in enough water to be able to draw through the system for the last half of the water application. Maintain constant agitation
- 9) Apply enough water to move BW240 WP Biological Fungicide into the root zone. Amounts will vary depending on soil type and existing moisture level. Do not apply water volumes that would cause runoff or excessive leaching

#### **Drip (Trickle) Chemigation and Micro irrigation Requirements**

- 1) The system 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 back flow

- 2) The pesticide injection pipeline 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) Apply BW240 WP Biological Fungicide during the last half of the water application period. Mix BW240 WP Biological Fungicide in enough water to be able to draw through the system for the last half of the water application. Maintain constant agitation.
- 8) Apply enough water to move BW240 WP Biological Fungicide into the root zone. Amounts will vary depending on soil type and existing moisture level. Do not apply water volumes that would cause runoff or excessive leaching.

#### **Flood and Furrow Chemigation Requirements**

- 1) Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from back flow if water flow stops
- 2) Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:
  - a) The system 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 back flow
  - b) The pesticide injection pipeline must contain a functional automatic quick closing check valve to prevent the flow of fluid back toward the injection pump
  - c) 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
  - d) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops
  - e) 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



f 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

3) Apply BW240 WP Biological Fungicide during the last half of the water application period Mix BW240 WP Biological Fungicide in enough water to be able to draw through the system for the last half of the water application Maintain constant agitation

4) Apply enough water to move BW240 WP Biological Fungicide into the root zone Amounts will vary depending on soil type and existing moisture level Do not apply water volumes that would cause runoff or excessive leaching

### PLANT SAFETY

BW240 WP Biological Fungicide has been tested on numerous plant varieties with no phytotoxic effects However since BW240 WP Biological Fungicide has not been tested on all plant varieties or in combination with all available tank mixes the manufacturer recommends testing BW240 WP Biological Fungicide on a small number of plants to check for adverse plant effects before applying to a larger number of plants

### STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage and disposal

**PESTICIDE STORAGE** Store in original container under refrigerated conditions Short periods at room temperatures below 75 F will not affect performance Keep container tightly closed when not in use

**PESTICIDE DISPOSAL** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility

**CONTAINER HANDLING** Nonrefillable container Do not reuse or refill this container Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles Empty residue into application equipment 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 If outer box is contaminated dispose of it in the same manner as required for the bag

**NOTICE TO BUYER AND SELLER** Seller warrants that this product conforms to the description on this label and is reasonably fit for the purposes stated on this label when used and stored in accordance with the directions for use This warranty does not extend to use of this product contrary to label directions or under conditions not reasonably foreseeable by the Seller and Buyer and User assume the risk of any such use To the extent consistent with applicable law Seller disclaims all other warranties express or implied including any warranty of fitness or merchantability To the extent consistent with applicable law Seller shall not be liable for consequential special or indirect damages resulting from use or handling of this product and Seller's sole liability and Buyer's and User's exclusive remedy shall be limited to refund of the purchase price This product is sold only for uses stated on its label No express or implied license is granted to use or sell this product under any patent in any country except as specified

©2012 BioWorks Inc World rights reserved  
Made in United States of America [Product of USA]



# BioWorks®

How You Grow Matters™

19/23

**BW240 WP  
BIOLOGICAL FUNGICIDE**

**SUB LABEL B**

**For Residential Use (Home and Garden Use)**

# BW240 WP Biological Fungicide

[FOR HOME AND GARDEN USE]

**[Optional Claims ]**

**[Prevents common damping off fungal diseases]**

**[Use on Roses, Vegetables, Fruits, Flowering Plants Trees and Shrubs]**

**[Controls root diseases]**

**ACTIVE INGREDIENTS**

<i>Trichoderma harzianum</i> Rifai strain T 22*	1 15%
---	-------

<i>Trichoderma virens</i> strain G 41**	0 61%
---	-------

<b>OTHER INGREDIENTS</b>	<u>98 24%</u>
--------------------------	---------------

<b>TOTAL</b>	<b>100 00%</b>
--------------	----------------

\*Contains at least  $1.0 \times 10^7$  colony forming units per gram dry weight

\*\*Contains at least  $5.3 \times 10^6$  colony forming units per gram dry weight

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

**[See attached label booklet for First Aid Precautionary Statements Storage and Disposal Instructions and Directions for Use]**

EPA Reg No 68539 9

EPA Est No 68539 NY 001

**Manufactured by**

**BioWorks, Inc**

**100 Rawson Rd, Suite 205**

**Victor NY 14564**

**800 877 9443**

**www.bioworksinc.com**

**U S Patent Pending**

Net Weight

Lot No [lot codes are sticker applied to the front panel of every label on every product container]

Expires [Use within 6 months of the date of manufacture]

FIRST AID	
If in eyes	<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>
HOT LINE NUMBER Have the product container or label with you when calling a poison control center or doctor or going for treatment You may also contact 1 800 222 1222 for emergency medical treatment information	

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION** 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

#### 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

#### DIRECTIONS FOR USE

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

BW240 WP Biological Fungicide is a preventative biological fungicide for control of plant diseases The active ingredients are microbes *Trichoderma harzianum* Rifai strain T 22 and *Trichoderma virens* strain G 41 which when applied to seeds to transplants or other propagative material or to soil or planting mixes grow onto plant roots as they develop and provide protection against plant root pathogens such as *Pythium Phytophthora Rhizoctonia Fusarium Cylindrocladium* and *Thielaviopsis* Where early season seed rot and seedling diseases are expected use chemically treated seed or other appropriate measures for stand establishment and BW240 WP Biological Fungicide for root disease control

Note BW240 WP Biological Fungicide contains live spores of microbes that must be used prior to disease onset BW240 WP Biological Fungicide becomes active in soil or on plants when temperatures are above 50 F and is not effective while temperatures remain cold

**ATTENTION DO NOT APPLY to sugarcane, peachay rice, mushrooms, kiwi, tobacco, barley oats, lemon apple, and chickpea Not for use on aquatic crops**

**HOME & GARDEN SOIL DRENCH** For preventative control of root diseases of vegetable flower and ornamental plants

For drench application to seeds mix 1 0 3 0 tablespoons of BW240 WP Biological Fungicide per gallon of water and apply prepared mixture with a watering can or other device to 25 feet of planting furrow before covering the seeds with soil

For transplants mix 1 0 3 0 tablespoons of BW240 WP Biological Fungicide per gallon of water and apply 1/2 1 cup (4 – 8 fluid ounces) of prepared mixture per plant at transplanting For new plant beds mix 1 0 – 3 0 tablespoons of BW240 WP Biological Fungicide per gallon of water and apply prepared mixture at a rate of one gallon per 25 square feet of plant bed

For established beds or potted plants mix 1 0 – 3 0 tablespoons of BW240 WP Biological Fungicide per gallon of water and apply prepared mixture at a rate of one gallon per 25 square feet of plant bed or 1/2 1 cup (4 – 8 fluid ounces) per 4 8 inch diameter pot

BW240 WP Biological Fungicide is designed for application to seeds plant roots and soil for control of plant root diseases and is not to be used for spray application to foliage or fruit

[BW240 WP BIOLOGICAL FUNGICIDE] MAY BE USED ON [THE FOLLOWING]  
[VEGETABLES FRUITS NUTS AND ORNAMENTAL PLANTS] [PLANTS SITES] PLANTS  
[SITES]

### **HOME and GARDEN [VEGETABLE, FRUITS AND NUTS] PLANTS**

**Berries and Small Fruits** (Blackberries Blueberries Currants Elderberries Gooseberries Huckleberries Loganberries Raspberries Strawberries Grapes and other berries and small fruits)

**Bulb Vegetables** (Garlic Leeks Onions Shallots and other bulb vegetables)

**Cucurbit Vegetables** (Cucumbers Melons (i.e. Chinese Waxgourd Citron Melon Muskmelons or Watermelon) Gourds Pumpkins Squash and other cucurbit vegetables)

**Fruiting Vegetables** (Eggplant Sweet and Hot Peppers Tomatillos Tomatoes and other fruiting vegetables)

**Herbs Spices, and Mints**

**Hydroponic Plants** (Cucumbers Tomatoes Lettuce Herbs and Spices and other hydroponic plants)

**Leafy and Brassica (Cole) Leafy Vegetables** (Arugula Celery Chervil Endive Fennel Lettuce (head and leaf) Parsley Radicchio Rhubarb Spinach Swiss Chard Broccoli Brussels Sprouts Cabbage Cauliflower Collards Kale Kohlrabi Mustard Greens and other leafy and brassica (cole) leafy vegetables)

**Asparagus**

**Legume Vegetables (Succulent or Dried)** (Beans (soybean snap dry) Lentils Peas and other legume vegetables)

**Peanuts**

**Pome Fruits** (Pears Quince)

**Root and Tuber Vegetables** (Beets Sugar Beets Carrots Celeriac Chicory Horseradish Parsnip Radish Rutabaga Salsify Turnips Potatoes Sweet Potatoes Yams Jerusalem Artichoke Cassava Ginger)

**Stone Fruits** (Apricots Cherries Nectarines Peaches Plums Prunes and other stone fruits)

**Tree Nuts** (Almonds Beech Nuts Brazil Nuts Butternuts Cashews Chestnuts Filberts Hickory Nuts Macadamia Nuts Pecans Pistachios Walnuts and other tree nuts)

**FLOWERS, BEDDING PLANTS, ORNAMENTALS AND ORNAMENTAL BULBS****STORAGE AND DISPOSAL**

Do not contaminate water food or feed by storage and disposal

**PESTICIDE STORAGE** Store original container in a cool dry and locked place inaccessible to children and pets Do not store at temperatures above 75 F for prolonged periods Keep container tightly closed when not in use

**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 1 800 CLEANUP for disposal instructions Never place unused product down indoor or outdoor drain

**NOTICE TO BUYER AND SELLER** Seller warrants that this product conforms to the description on this label and is reasonably fit for the purposes stated on this label when used and stored in accordance with the directions for use This warranty does not extend to use of this product contrary to label directions or under conditions not reasonably foreseeable by the Seller and Buyer and User assume the risk of any such use To the extent consistent with applicable law Seller disclaims all other warranties express or implied including any warranty of fitness or merchantability To the extent consistent with applicable law Seller shall not be liable for consequential special or indirect damages resulting from use or handling of this product and Seller s sole liability and Buyer s and User s exclusive remedy shall be limited to refund of the purchase price This product is sold only for uses stated on its label

©2012 BioWorks Inc World rights reserved  
Made in United States of America



**BioWorks®**

How You Grow Matters™