

# Zyban<sup>®</sup>

WSB

Wettable Powder Turf and Ornamental Fungicide  
in Water Soluble Bags

**This specimen label is for information only.**  
Everris makes no representations as to the accuracy of this label. It is the responsibility of the user to read and follow the label attached to the pesticide product container.

**Net Weight: 12 lb (5.4 kg)**  
**(Four - 3 lb. pouches / 8 - 6 oz. water soluble bags per pouch)**  
**Stock # E95735**

**ACTIVE INGREDIENTS:**

Thiophanate-Methyl†.....	15.6%
Mancozeb: A coordination product of zinc ion and manganese ethylenebis dithiocarbamate.....	64.0%
Manganese (Mn)++ .....	12.8%
Zinc (Zn)++ .....	1.6%
Ethylenebis dithiocarbamate .....	49.6%

<b>OTHER INGREDIENTS:</b> .....	20.4%
Total .....	100.0%

†CAS # 23564-05-8

**EPA REG. NO. 58185-31**

**EPA EST. NO. 67545-AZ-1**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

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 ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling poison control center or doctor, or going for treatment. You may also contact 1-888-241-6409 for emergency medical treatment information.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

**Mixers, loaders, applicators and handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves for all mixers and loaders and applicators using hand held equipment
- NIOSH-approved respirator with a dust/mist filter with MSHA/NIOSH approval number prefix TC-21C or any N, R, P, or HE filter for handlers performing tasks such as spill clean-up that involve contact with dry wettable powder.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**ENGINEERING CONTROLS**

Water-soluble packets when used correctly qualify as a closed mixing/loading system under the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(4)]. Mixers and loaders using water-soluble packets must:

- Wear the personal protective equipment required in the PPE section of this labeling for mixers/loaders.
- Be provided, and have immediately available, and wear in an emergency, such as a broken package, spill, or equipment breakdown: a NIOSH-approved respirator with a dust/mist filter with MSHA/NIOSH approval number prefix TC-21C or any N, R, P, or HE filter.

**If you have questions regarding the use of this product, call TOLL FREE 1-800-492-8255**

Distributed by Everris NA Inc., PO Box 3310 • Dublin, OH 43016

## USER SAFETY RECOMMENDATIONS:

Users should:

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

## ENVIRONMENTAL HAZARDS

**THIS PRODUCT IS TOXIC TO AQUATIC ORGANISMS.** Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 cleaning equipment or disposing of equipment washwater or rinsate.

## PHYSICAL OR CHEMICAL HAZARDS

Keep away from fire or sparks.

## DIRECTIONS FOR USE

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over long sleeved shirt and long pants,
- Chemical-resistant gloves made of any waterproof material,
- Chemical-resistant footwear plus socks, and
- Chemical-resistant headgear for over head exposures

## 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 children and pets off treated area until dry.
- Do not enter or allow others to enter until sprays have dried.

## FOR PROFESSIONAL USE ONLY

Not for homeowner use. For use only by certified applicators or those under their immediate supervision.

Not for use on turf being grown for sale or other commercial use as sod.

Do not apply with fixed wing or rotary aircraft.

Do not apply this product through any type of irrigation system.

This (resealable) pouch contains eight (8) water soluble bags.

Do not remove packages from container except for immediate use.

Add  $\frac{2}{3}$  of the required amount of water to the spray or mixing tank. With agitator running, place required amount of unopened water soluble bags into the partially filled sprayer tank or closed-system mix tank. Keep agitated to insure even suspension of material. Make fresh daily. Spray uniformly over the area to be treated with a boom type or other power sprayer.

Do not handle water soluble bags for longer than is required to place into sprayer tank. Do not expose water soluble bags to moisture.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Do not store at a temperature exceeding 122°F (50°C). Store in a dry place in a well-closed container. Do not allow to become wet or overheated in storage. This may cause chemical changes which will impair the fungicidal effectiveness of the product and may also generate flammable vapors. Handle container carefully when stored at temperatures of less than 50°F to avoid breakage of inner water soluble bags.

**PROHIBITIONS:** Open dumping is prohibited.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## TURF

Apply after mowing or avoid mowing for 12 hours after application. Apply in sufficient water to obtain thorough coverage, usually up to 5 gal. per 1000 sq. ft. of turf area.

**NOTE TO USERS:** Do not apply to areas likely to be grazed by livestock and do not feed clippings to livestock or poultry.

For use on golf course greens, tees, aprons, fairways, and municipal turf (parks, schools, and day care centers) consisting of Bentgrass, Fescues, Bermudagrasses, Ryegrasses, St. Augustinegrass or their mixture for the prevention and control of the following diseases:

Diseases <sup>1</sup>	Maximum Application Rates	Maximum Number of Applications/Year					
		Greens, Tees, Aprons		Fairways		Other Turf <sup>2</sup>	
		Cool season grasses	Warm season grasses	Cool season grasses	Warm season grasses (except FL)	Warm season grasses (FL only) <sup>3</sup>	Cool and warm season grasses
<b>DOLLAR SPOT</b> <i>Sclerotinia homeocarpa</i>	12 ounces/4,000 sq ft (2 bags)	5	4	4	3	2	4
<b>ANTHRACNOSE</b> <i>Colletotrichum graminicola</i> <b>BROWN PATCH</b> <i>Rhizoctonia solani</i> <b>COPPER SPOT</b> <i>Gloeocercospora sorghi</i> <b>FUSARIUM PATCH</b> <i>Fusarium nivale</i> <b>GREY LEAF SPOT</b> <i>Pyricularia grisea</i> <b>LEAF SPOTS</b> <i>Helminthosporium spp.</i> <b>RED THREAD</b> <i>Corticium fusiforme</i> <b>RUST</b> <i>Puccinia coronata</i>	24-36 ounces/6,000 sq ft (4-6 bags)	5	4	2 (36 ounces/6,000 sq ft)  OR  3 (24 ounces/6,000 sq ft)		1	4

<sup>1</sup> For all diseases- Apply the labeled rate beginning when conditions are conducive for disease development or when disease first appears. Continue applications as needed at a minimum of 14-day intervals up to the maximum number of applications allowed per year.

<sup>2</sup> Municipal turf (parks, schools and day care centers)

<sup>3</sup> For use in Florida only during overseeding

**This product contains chemicals known to the state of California to cause cancer; birth defects or other reproductive harm.**

### HORTICULTURAL, LANDSCAPE AND NURSERY CROPS

Do not apply to home orchards/backyard fruit trees after fruit set.

For cut flowers, do not apply more than 3.2 pounds of product (0.5 lbs thiophanate-methyl) per acre per application.

Cut flowers and greenhouse grown ornamentals: Limit to 20 applications/year.

While disease is prevalent, spray foliage with a suspension containing 24 oz. (4 bags) per 100 gal. of water at weekly intervals, unless otherwise specified.

For Flower Blight (Ovulinia) on azaleas and rhododendrons, 12 oz. (2 bags) per 75 gal. on a 4 to 6 day interval. For Gymnosporangium on Crabapple, use 24 oz. (4 bags) per 75 gal. at 2-week intervals. For Phomopsis on Juniper, use 36 oz. (6 bags) per 75 gal. at 7 to 10 day intervals.

Use on horticultural, landscape and nursery plants for prevention and control of the following diseases in the greenhouse, field or landscape:

### DISEASE CATEGORY

1. ANTHRACNOSE
2. BLACKSPOT
3. FLOWER SPOT and BLIGHT
4. LEAF SPOT and BLIGHT
5. STEM & TWIG BLIGHT
6. DOWNY MILDEW
7. POWDERY MILDEW
8. SCAB
9. RUST

### ORGANISM GENERA

- Colletotrichum, Gloeosporium, Marssonina, Mycosphaerella spp.
- Diplocarpon rosae
- Alternaria, Ascochyta, Botrytis, Curvularia, Ovulinia, Sclerotinia spp.
- Alternaria, Aschochyta, Botrytis, Cercospora, Curvularia, Entomosporium, Fusarium, Rhizoctonia, Septoria, Volutella spp.
- Pestalotia, Phomopsis, Rhizoctonia spp.
- Plasmopara viburni
- Erysiphe cichoracearum, Microsphaera, Podosphaera, Sphaerotheca spp.
- Fusicladium, Venturia and Sphaeloma spp.
- Gymnosporangium juniperi-virginiana

The following plants are subject to the diseases indicated (by number) and tolerate ZYBAN WSB® at specified rates of application:

#### WOODY

Aralia (1,4)  
Ash (1)  
Azalea (3,4)\*  
Black Walnut (1)  
Brassia (Schefflera) (1,4,5)  
Camellia (3)  
Cherry Laurel (4)  
Crabapple (7,8,9)\*  
Crape Myrtle (7)  
Dogwood (1,4)  
Dracaena (4,5)  
Euonymous (1)  
Fatsia (4)  
Hawthorn (7,9)  
Juniper (5,9)\*  
Lilac (7)  
Maple (1)  
Photinia (4)  
Pittosporum (4)  
Poinsettia (3,4,8)  
Pyracantha (8)  
Rhapiolepis (4)  
Rhododendron (3)\*  
Rose (2,3,4,7)  
Sycamore (1)  
Viburnum (6)

#### HERBACEOUS

African Marigold (3,4)  
Aphelandra (4)  
Aster (3,4)  
Begonia (3,4)  
Carnation (3,4)  
Cissus (4,5,6)  
Chrysanthemum (1,3,4)  
Dahlia (3,4)  
Dieffenbachia (4)  
Epipremnum (4)  
Geranium (3,4)  
Impatiens (3,4)  
Kalanchoe (3,4,7)  
Liriope (4,7)  
Mondo Grass (1)  
Pansy (1,3,4)  
Pellea (4)  
Petunia (3,4)  
Philodendron (4)  
Phlox (3,4,7)  
Snapdragon (3,4,6)  
Spathiphyllum (4,5)  
Stock (3,4,7)  
Strelitzia (1)  
Verbena (3,4)  
Vinca (4)  
Zinnia (3,4,7)

\*See special instructions above.  
Do not use on French Marigold or Gloxinia.

### SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application can influence pesticide drift.

The applicator must evaluate all factors and make appropriate adjustments when applying this product.

#### Wind Speed

Do not apply at wind speeds greater than 15 mph.

#### Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height.

Do not make applications in areas of temperature inversions or stable atmospheric conditions.

#### Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of mancozeb. Where states have more stringent regulations, they must be observed.

#### Equipment

All ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

### DISCLAIMER AND LIMITATION OF LIABILITY

#### IMPORTANT NOTICE FROM EVERRIS NA INC. ("Everris")

#### PLEASE READ BEFORE USE.

To the extent consistent with applicable law, user or buyer accepts the conditions, disclaimer of warranties and limitations of liability. Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once for full refund.

**CONDITIONS:** The directions for use of this product are believed to be adequate and the user or buyer must always follow the label directions carefully and exercise judgment and caution when using this product under their growing conditions. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, unsatisfactory or substandard results or other unintended consequences may result because of such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of Everris. All such risks shall be assumed by the user or buyer.

**WARRANTY:** This product corresponds to all claims and descriptions set forth on the label and is reasonably fit for the purposes set forth in the directions for use on the label when used in accordance with those directions. This warranty is subject to the conditions and limitations stated herein. Everris recognizes that the rights and remedies of the user or buyer are subject to the provisions of the applicable law, but makes no other warranties or representations, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Everris is authorized to make any warranties beyond those contained herein or to modify the warranties contained therein. Subject to the user's or buyer's rights and remedies under the applicable law, Everris disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** Subject to the user's or buyer's rights and remedies under the applicable law, the exclusive remedy of the user or buyer and the liability of Everris or its affiliates, for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid by the user or Buyer for the quantity of this product involved or, at Everris' election, the replacement of the product. To the extent consistent with applicable law, Everris must have prompt notice of any claim so that a timely investigation of buyer's or user's claim can be made. Buyer and all users shall promptly notify Everris of any claims, whether based on contract, negligence, strict liability, other tort or otherwise or be barred from any remedy.

Manufactured for:  
Everris NA Inc.  
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Made in the USA

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