

# AFFIRM™ WDG

GROUP 19 FUNGICIDE

For Use on Turf, Ornamentals, and Various Food Crops Grown Only in a Greenhouse, Lath House, Shade House, Hoop Structure, or High Tunnel Structure

**ACTIVE INGREDIENT:**

Polyoxin D zinc salt ..... 11.3%

**OTHER INGREDIENTS** ..... 88.7%

**TOTAL** ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

SEE BOOKLET FOR PRECAUTIONARY STATEMENTS

**FIRST AID**

<b>• IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>• IF IN EYES:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>• IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>• Call poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>• IF INHALED:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>

**HOTLINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**FOR 24-HOUR EMERGENCY MEDICAL TREATMENT INFORMATION CALL 1-877-325-1840.**

**For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300.**

EPA Reg. No. 68173-3-1001



Manufactured for  
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Alsip, IL 60803

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

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

All mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Socks
- Shoes
- Chemical-Resistant gloves

**User Safety Requirements**

Follow the manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables are available, 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. This pesticide is moderately toxic to aquatic invertebrates and fish. 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 washwater or rinsate. Do not allow runoff into lakes, streams, ponds or public waterways. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Granules exposed on soil surface may be hazardous to fish and aquatic invertebrates. Collect granules spilled during loading. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.

**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 State or Tribal agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and 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 on this label about personal protective equipment (PPE), notification to workers, 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 entry into treated areas during the restricted entry interval (REI) of 4 hours unless wearing appropriate PPE.

PPE required for early entry into 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, socks, shoes, chemical resistant gloves.

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in the 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 out of treated area until sprays have dried.

## GENERAL INFORMATION

AFFIRM™ WDG is not for use on turf being grown for commercial seed production.

AFFIRM™ WDG is not for homeowner use to treat food crops.

AFFIRM™ WDG is for use in controlling or suppressing certain diseases on cucurbit vegetables, fruiting vegetables, ginseng, strawberries, and seedlings or transplants of cucurbit vegetables and fruiting vegetables in a greenhouse, lath house, shade house, hoop structure, or high tunnel structure; ornamentals (greenhouse, lath house, shade house, hoop structure, high tunnel structure, field nursery, container, and residential and commercial landscapes); and turf (including golf courses, sod, residential lawns, parks, athletic fields, and commercial institutional grounds) composed of cool and warm season grasses such as Bluegrass, Bentgrass, Fescue, Ryegrass, Bermudagrass, St. Augustinegrass, Zoysiagrass, or their mixtures.

Apply AFFIRM™ WDG as a preventative or curative treatment in conjunction with good management practices.

## RESISTANCE MANAGEMENT RECOMMENDATIONS

AFFIRM™ WDG contains a Group 19 fungicide. Fungal isolates with acquired resistance to Group 19 may eventually dominate the fungal population if Group 19 fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by AFFIRM™ WDG or other Group 19 Fungicides.

To delay fungicide resistance, consider:

- Avoiding the consecutive use of AFFIRM™ WDG or other target site of action Group 19 fungicides that have a similar target site of action, on the same pathogens.
- Using tank-mixtures or premixes with fungicides from different target site of action Groups as long as the involved products are all registered for the same use and are both effective at the tank mix or prepack rate on the pathogen(s) of concern.
- Basing fungicide use on a comprehensive IPM program.
- Monitoring treated fungal populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for fungicide resistance management and/or IPM recommendations for specific crops and resistant pathogens.

## MIXING AND APPLICATION

When diseases not specified on this label are present or expected, it is appropriate to mix AFFIRM™ WDG with appropriately labeled fungicides. When tank mixing AFFIRM™ WDG with other products, observe all precautions and limitations on each separate product label. It is always advisable to conduct a tank mix compatibility test when you plan to mix this product with other products. To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry formulations first, then flowables, then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank. To assess the potential for phytotoxicity, test tank mixtures on a small number of plants prior to more widespread application.

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

Mixing instructions for AFFIRM™ WDG:

- Fill spray tank with water to ½ of the intended final volume.
- Start spray tank agitation.
- Add the appropriate amount of product to the tank according to the rates in the following tables. Follow the directions above for mixing other products in the spray tank.

- Agitate to ensure thorough mixing while adding the remaining required water.
- DO NOT allow the spray mixture to stand without agitation.

Mix only the amount of spray solution needed to treat the desired area.

For optimum control of labeled diseases, apply AFFIRM™ WDG with sufficient water to provide a thorough coverage.

#### CUCURBIT VEGETABLES†☼

[Chayote (fruit), Chinese waxgourd (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra), Momordica spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), Muskmelon (includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), Pumpkin, Squash, summer (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), Squash, winter (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash), Watermelon]

Disease Control	Rate	Application Notes
Powdery Mildew ( <i>Sphaerotheca sp.</i> ) Gummy Stem Blight ( <i>Didymella bryoniae</i> ) Gray Mold ( <i>Botrytis sp.</i> ) Corynespora leaf spot ( <i>Corynespora cassicola</i> ) Scab ( <i>Cladosporium sp.</i> ) Early Blight ( <i>Alternaria sp.</i> )	6.2 oz/acre (0.7 oz ai/acre)	<ul style="list-style-type: none"> <li>• Mix in appropriate spray volume appropriate for sufficient coverage.</li> <li>• For all diseases, spray product preventatively and continue as needed on a 10-14 day interval.</li> <li>• 0 day Preharvest Interval.</li> </ul>

Notes:

- † Except California.
- ☼ For use in a greenhouse, lath house, shade house, hoop structure, or high tunnel structure. Not for field use.
  1. Use in alternation with fungicides that have different modes of action.
  2. Do not apply more than 5 applications of AFFIRM™ WDG (3.5 oz ai/acre) per season.

#### FRUITING VEGETABLES (Except Cucurbits)†☼

[Eggplant, Groundcherry, Pepino, Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), Tomatillo, Tomato]

Disease Control	Rate	Application Notes
Powdery Mildew ( <i>Leveillula taurica, Oidiopsis sipula</i> ) Botrytis Rot ( <i>Botrytis sp.</i> ) Early Blight ( <i>Alternaria solani</i> )	6.2 oz/acre (0.7 oz ai/acre)	<ul style="list-style-type: none"> <li>• Mix in appropriate spray volume appropriate for sufficient coverage.</li> <li>• For all diseases, spray product preventatively and continue as needed on a 10-14 day interval.</li> <li>• 0 day Preharvest Interval.</li> </ul>
<b><u>Disease Suppression</u></b> Anthracnose ( <i>Colletotricum coccodes</i> )		

Notes:

- † Except California.
- ☼ For use in a greenhouse, lath house, shade house, hoop structure, or high tunnel structure. Not for field use.
  1. Use in alternation with fungicides that have different modes of action.
  2. Do not apply more than 5 applications of AFFIRM™ WDG (3.5 oz ai/acre) per season.

### GINSENG†☼

Foliar Disease Control	Rate	Application Notes
Alternaria blight ( <i>Alternaria panax</i> ) Botrytis blight ( <i>Botrytis cinerea</i> )	6.2 oz/acre (0.7 oz ai/acre)	<ul style="list-style-type: none"> <li>• Apply as a foliar spray every 7–10 days.</li> <li>• Apply prior to disease development and when conditions are conducive for disease.<sup>1</sup></li> </ul>
Root and Crown Disease Control	Rate	Application Notes
Cylindrocarpon root rot ( <i>Cylindrocarpon destructans</i> )	6.2 oz/acre (0.7 oz ai/acre)	<ul style="list-style-type: none"> <li>• Apply as a drench every 14 days.</li> </ul>
Rhizoctonia root and crown rot ( <i>Rhizoctonia solani</i> )		<ul style="list-style-type: none"> <li>• Apply as a drench every 14–28 days.</li> </ul>

**Notes:**

- † Except California.
- Apply within 2 weeks following plant emergence and continue throughout the season.
- <sup>1</sup>Consult your local extension agent or local recommendations for information relating to proper timing for control of these diseases.
- Use in alternation with fungicides that have different modes of action.
- Do not apply more than 3 applications of AFFIRM™ WDG (2.1 oz ai/acre) per season.
- ☼ For use in a greenhouse, lath house, shade house, hoop structure, or high tunnel structure. Not for field use.

### STRAWBERRIES†☼

Disease Control	Rate	Application Notes
Anthracnose Leaf and Fruit Rot ( <i>Colletotricum sp.</i> ) Botrytis Fruit Rot ( <i>Botrytis cinerea</i> ) Powdery Mildew ( <i>Sphaerotheca macularis</i> )	6.2 oz/acre (0.7 oz ai/acre)	<ul style="list-style-type: none"> <li>• Mix in appropriate spray volume appropriate for sufficient coverage.</li> <li>• Begin applications preventatively and continue as needed on a 7–10 day interval.</li> <li>• 0 day Preharvest Interval.</li> <li>• Do not apply by air.</li> <li>• Use of adjuvant may enhance coverage.</li> </ul>

**Notes:**

- † Except California.
- ☼ For use in a greenhouse, lath house, shade house, hoop structure, or high tunnel structure. Not for field use.
- Use in alternation with fungicides that have different modes of action.
- Do not apply more than 3 applications of AFFIRM™ WDG (2.1 oz ai/acre) per season.

## ORNAMENTALS

Foliar Disease Control	Rate	Application Notes
Anthracnose ( <i>Colletotrichum</i> )	0.25 – 0.5 lb/100 gal/acre (0.03 – 0.06 lb ai/100 gal/acre)	<ul style="list-style-type: none"> <li>• Apply as a full coverage foliar spray every 7 – 10 days with sufficient water for plant type and maturity (50-300 gallons/acre).</li> <li>• Apply prior to disease development and when conditions are conducive to disease development. Consult your local extension agent or local recommendations for information relating to proper timing for control of these diseases.**</li> </ul>
Botrytis blight ( <i>Botrytis cinerea</i> )		
Curvularia leaf blight ( <i>Curvularia sp.</i> )		
Downy Mildew ( <i>Pernospora sp.</i> , <i>Plasmopara sp.</i> )		
Powdery Mildew ( <i>Oidium sp.</i> , <i>Erysiphe sp.</i> , <i>Sphaerotheca sp.</i> )		
Rhizoctonia aerial blight ( <i>Rhizoctonia solani</i> )		
Alternaria blight ( <i>Alternaria panax</i> )	0.5 lb/100 gal/acre (0.06 lb ai/100 gal/acre)	
Petiole Rot ( <i>Myrothecium</i> )		
Apple scab ( <i>Venturia inaequalis</i> )		
Root and Crown Disease Control	Rate	Application Notes
***Rhizoctonia root and crown rot ( <i>Rhizoctonia solani</i> )	0.25 – 0.5 lb/100 gal/acre (0.03 – 0.06 lb ai/100 gal/acre)	<ul style="list-style-type: none"> <li>• Apply as a soil drench every 14 – 28 days.</li> </ul>
Black Root Rot ( <i>Thielaviopsis</i> )	0.5 lb/100 gal/acre (0.06 lb ai/100 gal/acre)	

**Notes:**

- \*\*Consult your local extension agent or local recommendations for information relating to proper timing for control of these diseases.
- \*\*\*Includes Christmas tree (Nursery and plantation), non-bearing fruit vines, non-bearing fruit trees, and non-bearing nut trees
- Use in alternation with fungicides that have different modes of action.

## TURF GRASSES

Disease	Rate	Application Notes
<b>Control</b>	2.4 lbs /acre (0.27 lb ai/acre)	<ul style="list-style-type: none"> <li>Repeat treatment on a 7-14 day schedule where environmental conditions are conducive to development of diseases. Consult your local extension agent or local recommendations for information relating to proper timing for control of these diseases.</li> <li>When symptoms are present, best control will be achieved by using a shorter interval.</li> <li>For best results apply after mowing.</li> <li>Apply to obtain thorough plant coverage in a minimum of 66 gallons water per acre.</li> </ul>
Brown Patch ( <i>Rhizoctonia solani</i> ) Large Patch ( <i>Rhizoctonia solani</i> )		
<b>Aids in Control†</b>		
Cool Season Brown Patch or Yellow Patch ( <i>Rhizoctonia cerealis</i> ) Foliar and Basal Anthracnose ( <i>Colletotrichum cereale</i> ) Gray Snow Mold ( <i>Typhula ishikariensis</i> and <i>Typhula incarnate</i> ) Leaf Spot/Melting Out ( <i>Dreschlera poae</i> ) Pink Snow Mold ( <i>Microdochium nivale</i> ) Red Thread ( <i>Laetisaria fuciformis</i> ) Rhizoctonia Damping Off ( <i>Rhizoctonia solani</i> ) Rhizoctonia Leaf and Sheath Blight ( <i>Rhizoctonia zeae</i> ) Waitea Patch (Brown Ring Patch) ( <i>Waitea circinata</i> ) Zoysia Patch ( <i>Rhizoctonia solani</i> )		
<b>Aids in Suppression†</b>		
Gray Leaf Spot ( <i>Pyricularia grisea</i> )		
<b>Suppression and Short Term Control:</b>		
Fairy Ring (including <i>Marasmius spp.</i> , <i>Lepiota, spp.</i> and <i>Agarius spp.</i> )	1 oz/1000 sq ft in minimum of 1 gallon of water (0.27 lb ai/acre in 66 gallons of water)	<ul style="list-style-type: none"> <li>Make two-three applications on a 7-day interval schedule.</li> <li>Use a penetrating wetting agent.</li> <li>Immediately following application, water in the treatment with sufficient irrigation (1/8-1/4") to wet the active root zone.</li> </ul>

Notes:

† Except California.

- With the exception for treatment of Fairy Ring, irrigation or rainfall soon after treatment with AFFIRM™ WDG will decrease disease control. For best control, do not irrigate for 12 hours after treatment.
- Use in alternation with fungicides that have different modes of action.



## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in dry place away from food or feed.

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

**CONTAINER DISPOSAL:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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**If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations of liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.**

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