

68173-2

8/12/2003

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08/08/2003 10:35 FAX 415 546 7699

ARVESTA CORPORATION

002

Kaken ENDORSE Wettable Powder Turf Fungicide (Master Label) - JL/MC062803
Page 1 of 1

MASTER LABEL

ENDORSE® Wettable Powder Turf Fungicide

GROUP	19	FUNGICIDE
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ACTIVE INGREDIENT:

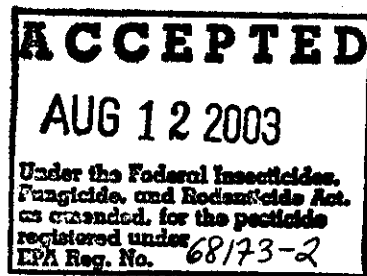
Polyoxin D zinc salt (1:1) ¹ ,	
Zinc 5-[[2-amino-5-O-(aminocarbonyl)-2-deoxy-L-xylonoyl]amino]-1-(5-carboxy-3,4-dihydro-2,4-dioxo-1(2H)-pyrimidinyl)-1,5-dideoxy-β-D-allofuranuronate.....	2.5 %
OTHER INGREDIENTS	97.5 %
TOTAL	100.0%

¹Equivalent to 2.2% polyoxorim and 0.3% metallic zinc

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Reg. No. 68173-2
 EPA Est. No. _____
 Net Weight:
 1 pound, 1.6 ounces
 11 lbs



Produced by:
 Kaken Pharmaceutical Co. Ltd.
 Agro Chemicals and Animal Health Products Department
 28-8, Honkomagome 2-chome
 Bunkyo-ku, Tokyo 113-8650, Japan

2811

Kaken ENDORSE Wettable Powder Turf Fungicide Non WSP Pkg (clean) - MC080703
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NON WATER SOLUBLE PACK PACKAGING, SUB-LABEL

ENDORSE® Wettable Powder Turf Fungicide

GROUP 19 FUNGICIDE

ACTIVE INGREDIENT:

Polyoxin D zinc salt (1:1) ¹ ,	
Zinc 5-[[2-amino-5-O-(aminocarbonyl)-2-deoxy-L-xylonoyl]amino]-1-(5-carboxy-3,4-dihydro-2,4-dioxo-1(2H)-pyrimidinyl)-1,5-dideoxy-β-D-allofuranuronate.....	2.5 %
OTHER INGREDIENTS:	97.5 %
TOTAL	<u>100.0%</u>

¹Equivalent to 2.2% polyoxorim and 0.3% metallic zinc

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if absorbed through the skin, swallowed or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID

If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call 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 so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • 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 further treatment advice.

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 ASSISTANCE:

CALL 1-800-228-5635 Ext. 174

ENVIRONMENTAL HAZARDS

This product 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 cleaning equipment or disposing of equipment wash waters. Do not allow runoff into lakes, streams, ponds or public waterways.

EPA Reg. No. 68173-2

EPA EST. No.

Net weight 11 lbs

DIRECTIONS FOR USE

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

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GENERAL INFORMATION

ENDORSE Wettable Powder Turf Fungicide is NOT for use on turf being grown (1) for sale or other commercial use as sod, (2) for commercial seed production, or (3) for research purposes.

ENDORSE Wettable Powder Turf Fungicide is for use on golf courses, residential lawns, parks and commercial and institutional grounds composed of cool and warm season grasses such as Bluegrass, Bentgrass, Fescue, Ryegrass, Zoysiagrass, or their mixtures.

ENDORSE Wettable Powder Turf Fungicide is a systemic, foliar applied turf fungicide for control of **Brown Patch** and **Large Patch** caused by *Rhizoctonia* spp. ENDORSE Wettable Powder Turf Fungicide also aids in the control of **Cool Weather Brown Patch (Yellow Patch)** (*Rhizoctonia cerealis*), **Foliar and Basal Anthracnose** (*Colletotrichum graminicola*), **Gray Snow Mold** (*Typhula ishikariensis* and *Typhula incarnata*), **Leaf Spot/Melting Out** (*Dreschlera poae*), **Pink Snow Mold** (*Microdochium nivale*), **Red Thread** (*Laetisaria fuciformis*), **Rhizoctonia Damping Off** (*Rhizoctonia solani*), and **Zoysia Patch** (*Rhizoctonia solani*) on cool and warm season turf grasses.

ENDORSE Wettable Powder Turf Fungicide also aids in the suppression of **Gray Leaf Spot** (*Pyricularia grisea*).

Apply ENDORSE Wettable Powder Turf Fungicide as a preventive or curative treatment in conjunction with good turf management practices.

RESISTANCE MANAGEMENT RECOMMENDATIONS

ENDORSE Wettable Powder Turf Fungicide 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 ENDORSE Wettable Powder Turf Fungicide or other Group 19 Fungicides.

To delay fungicide resistance, consider:

- Avoiding the consecutive use of ENDORSE Wettable Powder Turf Fungicide 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.

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MIXING AND APPLICATION

When diseases not specified on this label, such as Dollar Spot, are present or expected, it is appropriate to mix ENDORSE Wettable Powder Turf Fungicide with appropriately labeled fungicides. When tank mixing ENDORSE Wettable Powder Turf Fungicide with other products, observe all precautions and limitations on each separate product label. It is always advisable to conduct a tank spray 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. Use combinations on a small number of plants before treating large areas.

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

Mixing instructions for ENDORSE Wettable Powder Turf Fungicide:

- Fill spray tank to $\frac{3}{4}$ of the intended final volume.
- Start spray tank agitation.
- Add the appropriate amount of product to the tank (refer to Rate and Schedule section of label). 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 ENDORSE Wettable Powder Turf Fungicide with sufficient water to provide a thorough coverage.

Irrigation or rainfall soon after treatment with ENDORSE Wettable Powder Turf Fungicide will decrease disease control. For best control, do not irrigate for 12 hours after treatment.

For best results, apply after mowing.

RATE AND SCHEDULE

Apply 11 lbs (1 bag) of ENDORSE Wettable Powder Turf Fungicide per acre (0.275 lbs active ingredient/acre) in a minimum of 44 gallons of water per acre.

Repeat treatment on a 7-14 day schedule as necessary when environmental conditions are conducive to development of disease. When disease symptoms are present, best control will be achieved by using a shorter interval.

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Kaken ENDORSE Wettable Powder Turf Fungicide Non WSP Pkg (clean) - MC080703
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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.

**FOR 24-HOUR CHEMICAL EMERGENCY
(Spill, Leak, Fire or Accident) ASSISTANCE:
CALL CHEMTREC 1-800-424-9300**

WARRANTY AND LIMITATION OF DAMAGES**LIMITED WARRANTY AND DISCLAIMER**

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions of Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED.

This limited warranty does not extend to the use of the product inconsistent with label instructions, precautions, or to the use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to the direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

Produced by:

Kaken Pharmaceutical Co. Ltd.

Agro Chemicals and Animal Health Products Department

28-8, Honkomagome 2-chome

Bunkyo-ku, Tokyo 113-8650, Japan

7811

WATER SOLUBLE PACK PACKAGING, SUB-LABEL

ENDORSE® Wettable Powder Turf Fungicide

IN WATER SOLUBLE PACKS

GROUP	19	FUNGICIDE
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ACTIVE INGREDIENT:

Polyoxin D zinc salt (1:1) ¹ ,	
Zinc 5-[[2-amino-5-O-(aminocarbonyl)-2-deoxy-L-xylonoyl]amino]-1-(5-carboxy-3,4-dihydro-2,4-dioxo-1(2H)-pyrimidinyl)-1,5-dideoxy-β-D-allofuranuronate.....	2.5 %
OTHER INGREDIENTS:	97.5 %
TOTAL	<u>100.0%</u>

¹Equivalent to 2.2% polyoxorim and 0.3% metallic zinc

KEEP OUT OF REACH OF CHILDREN

CAUTION

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if absorbed through the skin, swallowed or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID	
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If swallowed	<ul style="list-style-type: none"> • Call 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 so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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EPA Reg. No. 68173-2

EPA EST. No.

Net weight 1 pound, 1.6 ounces

DIRECTIONS FOR USE

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

Mixing instructions for ENDORSE Wettable Powder Turf Fungicide in water soluble pack:

- Fill spray tank to $\frac{3}{4}$ full.
- Start spray tank agitation.
- Drop water soluble pack(s) in tank.
- Direct the balance of water at the floating pack(s).
- Pack(s) must be dissolved before recycling through spray tank.

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

For optimum control of labeled diseases, apply ENDORSE Wettable Powder Turf Fungicide with sufficient water to provide a thorough coverage.

Irrigation or rainfall soon after treatment with ENDORSE Wettable Powder Turf Fungicide will decrease disease control. For best control, do not irrigate for 12 hours after treatment.

For best results, apply after mowing.

RATE AND SCHEDULE

Apply 10 water soluble packs of ENDORSE Wettable Powder Turf Fungicide per acre (0.275 lbs active ingredient/acre) (one pack/4,400 square feet) in a minimum of 44 gallons of water per acre.

Repeat treatment on a 7-14 day schedule as necessary when environmental conditions are conducive to development of disease. When disease symptoms are present, best control will be achieved by using a shorter interval.

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: Dispose of empty outer packaging (bag) in trash.

**FOR 24-HOUR CHEMICAL EMERGENCY
(Spill, Leak, Fire or Accident) ASSISTANCE:
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The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

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Agro Chemicals and Animal Health Products Department

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