12/2014



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

> OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Cindy Ann Smith Kaken Pharmaceutical Co., Ltd. c/o Conn & Smith, Inc. 6713Catskill Road Lorton, VA 22079

> Subject: Label Amendment to Add a Sub-label for Marketing Purposes that Does Not Contain Outdoor Food Uses Product Name: ENDORSE Water Dispersible Granules EPA Reg. No: 68173-3 Your Submission Dated August 7, 2013

FEB 1 2 2014

Dear Ms.Smith:

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(5), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Submit five (5) copies of your final printed labeling before you release the product for shipment. Final printed labeling means the label or labeling of the product when distributed or sold. Clearly legible reproductions or photo reductions will be accepted for unusual labels, such as those silk-screened directly onto glass or metal containers or large bags or drum labels.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. Should you have any questions regarding this action, you may contact Gina Burnett at (703) 605-0513 or via email at <u>burnett.gina@epa.gov</u>. A stamped copy of the label is enclosed for your records.

Sincerely,

K Rull

Linda A. Hollis, Chief Biochemical Pesticides Branch Biopesticides and Pollution Prevention Division (7511P)

	/	CONCURRENCES	
SYMBOL >75714 7	15)11		
URNAME > Burnet R	ill		
ATE > 2/10/244 2	1214		
EPA Form 1320- A (1/90)			 OFFICIAL FILE COPY

068173-00003.20130807.with_market_segmentation_ changes_implemented.pdf ENDORSE Water Dispersible Granules (EPA Reg. No. 68173-3) Adds market segmentation labeling for AFFIRM WDG. Includes changes requested by notification on 6/14/2013. CHANGES IMPLEMENTED - - -----_____ Page 1 of 27

ENDORSE Water Dispersible Granules (EPA Reg. No. 68173-3)

Master Label

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ACCEPTED

FEB 1 2 2014

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.

68173-3

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Label That Permits Outdoor Field Use on Food Crops

ENDORSE® Water Dispersible Granules For use on Turf, Ornamentals, and Various Crops

Alternate text	For disease control on various crops including: cucurbit vegetables, fruiting vegetables, pome fruits, strawberries, and non-bearing fruit vines, and non-bearing fruit and nut trees	
Alternate text	For disease control on Turf, Ornamentals, Christmas Trees, and various crops including: cucurbit vegetables, fruiting vegetables, pome fruits, strawberries, and non-bearing fruit vines, and non-bearing fruit and nut trees	
	For use on Turf, Ornamentals, and Various Food Crops grown only in house, Lath house, Shade House, Hoop Structure, or High Tunnel Structure	

GROUP 19 FUNGICIDE

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ACTIVE INGREDIENT:	
Polyoxin D zinc salt	11.3%
OTHER INGREDIENTS:	<u>88.7%</u>
TOTAL	00.0%

KEEP OUT OF REACH OF CHILDREN CAUTION SEE SIDE OR BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 68173-3 EPA Est. No. _____

Agrochemical 28-8, Honkom	aceutical Co., Ltd. s & Animal Health Products Department agome 2-chome okyo 113-8650, Japan	ίζιις ί ε ε	ο ο
For Product Ir Net Content:	formation Call 0.5 pounds 1 lb 2 lbs 6.4 oz (2.4 lb) 33 lb (15 kg)	ς ς ς ς ς ς ς ς ς ς ς ς ς ς ς ς ς ς ς ς	

068173-00003.20130807.with_market_segmentation_ changes_implemented.pdf

ENDORSE Water Dispersible Granules (EPA Reg. No. 68173-3)

Adds market segmentation labeling for AFFIRM WDG. Includes changes requested by notification on 6/14/2013.

CHANGES IMPLEMENTED

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	FIRST AID
lf on skin or clothing	 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	 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	 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 to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
lf 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 further treatment advice.

HOTLINE NUMBERS

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 PROSAR at 1-866-303-6952 or 1-651-632-8946 if calling from outside of the U.S.

Alternate text:

Call CHEMTREC at 1-800-424-9300 or the Poison Control Center at 1-800-222-1222.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if absorbed through the 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 second washables are available, use detergent and hot water. Keep and wash PPE separately from other second 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.

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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

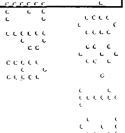
Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for 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 Wcrker c 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 c pets out of treated area until sprays have dried.



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GENERAL INFORMATION

ENDORSE Water Dispersible Granules is not for use on turf being grown for commercial seed production.

ENDORSE Water Dispersible Granules is not for homeowner use to treat food crops.

ENDORSE Water Dispersible Granules is for use in controlling or suppressing certain diseases on almonds, cucurbit vegetables, fruiting vegetables, ginseng, grapes, pistachios, pome fruits, potatoes, strawberries, and seedlings or transplants of cucurbit vegetables and fruiting vegetables in a greenhouse, lath house, shade house, hoop structure, 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 and institutional grounds) composed of cool and warm season grasses such as Bluegrass, Bentgrass, Fescue, Ryegrass, Bermudagrass, St. Augustinegrass, Zoysiagrass, or their mixtures.

Apply ENDORSE Water Dispersible Granules as a preventative or curative treatment in conjunction with good management practices.

RESISTANCE MANAGEMENT RECOMMENDATIONS

ENDORSE Water Dispersible Granules 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 Water Dispersible Granules or other Group 19 Fungicides.

To delay fungicide resistance, consider:

- Avoiding the consecutive use of ENDORSE Water Dispersible Granules 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.

CCGC

MIXING AND APPLICATION

When diseases not specified on this label are present or expected, it is appropriate to mix ENDORSE or Water Dispersible Granules with appropriately labeled fungicides. When tank mixing ENDORSE Water Dispersible Granules with other products, observe all precautions and limitations on each separate of economic product label. It is always advisable to conduct a tank mix compatibility test when youplaneto mix this oproduct with other products. To determine the physical compatibility of this products to approximately one quart of water with agitation. Add dry formulations first, then flowables, then emulsifiable concentrates lasted one 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.

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Mixing instructions for ENDORSE Water Dispersible Granules:

- Fill spray tank with water to 1/2 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 ENDORSE Water Dispersible Granules with sufficient water to provide a thorough coverage.

ALMONDS				
Disease Control	Rate	Application Notes		
Alternaria (Alternaria alternata)	6.2 oz/acre (0.7 oz ai/acre)	 Mix in appropriate spray volume appropriate for sufficient coverage (Spray every row to ensure coverage [avoid ever other row applications]). Begin sprays preventatively and repeat or a 10–14 day interval. 0 day Preharvest Interval. May be applied by air or ground. Use of an adjuvant may enhance coverage. 		

Use in alternation with fungicides that have different modes of action.

Do not apply more than 3 applications of ENDORSE Water Dispersible Granules (2.1 oz ai/acre) per season.

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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	6.2 oz/acre	Mix in appropriate spray volume
(Spthaerotheca sp.)	(0.7 oz ai/acre)	appropriate for sufficient coverage.For all diseases, spray product
Gummy Stem Blight		preventatively and continue as needed on
(Didymella bryoniae)		a 10-14 day interval.
		 0 day Preharvest Interval.
Gray Mold		
(<i>Botrytis</i> sp.)		
Corynespora leaf spot (Corynespora cassicola)		
Scab		
(Cladosporium sp.)		
Early Blight <i>(Alternaria</i> sp. <i>)</i>		
Notes:		
+ Not for use in California.		

† Not for use in California.

Use in alternation with fungicides that have different modes of action.

Do not apply more than 5 applications of ENDORSE Water Dispersible Granules (3.5 oz ai/acre) per season.

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FRUITING VEGETABLES (Except Cucurbits) † [Eggplant, Groundcherry, Pepino, Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), Tomatillo, Tomato]				
Disease Control	Ratê	Application Notes		
Powdery Mildew (Leveillula taurica, Oidiopsus sipula) Botrytis Rot (<i>Botrytis</i> sp.) Early Blight (Alternaria solani)	6.2 oz/acre (0.7 oz alł/acre) ∳	 Mix in appropriate spray volume appropriate for sufficient coverage. For all diseases, spray product preventatively and continue as needed on a 10-14 day interval. 0 day Preharvest Interval. 		
Disease Suppression				
Anthracnose (Colletotricum coccodes)		. 0		

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Notes:

† Not for use in California.

Use in alternation with fungicides that have different modes of action.

Do not apply more than 5 applications of ENDORSE Water Dispersible Granules (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)	 Apply as a foliar spray every 7–10 days. Apply prior to disease development and when conditions are conducive for disease.¹
Root and Crown Disease Control	Rate	Application Notes
Cylindrocarpon root rot (Cylindrocarpon destructans)	6.2 oz/acre (0.7 oz ai/acre)	Apply as a drench every 14 days.
Rhizoctonia root and crown rot (Rhizoctonia solani)		• Apply as a drench every 14–28 daŷęccc ^c دد د
for control of these diseases.Use in alternation with fungicides that	r local recommend t have different mo	ations for information relating to proper ້timing ເຈັ້ຼິ

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GRAPES					
Disease Control	Rate	Application Notes			
Botrytis Bunch Rot (Botrytis cinerea)	6.2 oz/acre (0.7 oz ai/acre)	 Mix in appropriate spray volume appropriate for sufficient coverage. For Botrytis Bunch Rot control, spray 			
Powdery Mildew		product at veraision and 7 days prior to			
(Uncinula necator)		harvest.			
		 For Powdery Mildew control, begin spray preventatively and continue as needed of a 14 day interval. 			
		0 day Preharvest Interval.			
		Do not apply by air.			
Disease Suppression	Rate	Application Notes			
Powdery Mildew (Uncinula necator)	6.2 oz/acre (0.7oz ai/acre)	 For Powdery Mildew suppression, begin sprays preventively and continue as 			
		needed on a 14-day interval.			

Notes:

Use in alternation with fungicides that have different modes of action.

Do not apply more than 3 applications of ENDORSE Water Dispersible Granules (2.1 oz ai/acre) per season.

PISTACHIOS				
Disease Control	Rate	Application Notes		
Alternaria <i>(Alternaria</i> sp.) Disease Suppression	6.2 oz/acre (0.7 oz ai/acre)	 Mix in appropriate spray volume appropriate for sufficient coverage (Spray every row to ensure coverage (avoid every other row applications)). For both 		
		diseases, begin sprays preventatively and continue as needed on a 10–14 day interval.		
Botryosphaeria blight <i>(Botryosphaeria</i> sp.)		 0 day Preharvest Interval. Do not apply by air. Use of an adjuvant may enhance coverage. 		

Use in alternation with fungicides that have different modes of action.

Use in alternation with fungicides that have different modes of action. Do not apply more than 3 applications of ENDORSE Water Dispersible Granules (2.1 oz ai/acre) per season.

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[Apple, Crabapple, I	POME FRUIT: oquat, Mayhaw, F_	S † , Pear, Oriental Pear, Quince]
Disease Control	Rate	Application Notes
Powdery Mildew (Apple: Podosphaera leucotricha Pear: Phyllactinia mali) Alternaria Leaf Spot (Alternaria mali) Blotch (Diplocarpon mali) Disease Suppression Scab (Venturia sp.)	6.2 oz/acre (0.7 oz ai/acre)	 Mix in appropriate spray volume appropriate for sufficient coverage. Start sprays for scab control at green tip and continue as needed on a 7-10 day interval. For Powdery Mildew control, begin preventatively and repeat as necessary on a 10-14 day interval. Use of an alternation program with a sterol inhibiting fungicide is recommended. 0 day Preharvest Interval.

† Not for use in California.

• Use in alternation with fungicides that have different modes of action.

 Do not apply more than 6 applications of ENDORSE Water Dispersible Granules (4.2 oz ai/acre) per season.

POTATOES †				
Disease Control	Rate	Application Notes		
Early Blight <i>(Alternaria solani)</i>	6.2 oz/acre (0.7 oz ai/acre)	 Mix in appropriate spray volume appropriate for sufficient coverage. For all diseases, spray product preventatively and continue as needed or a 10-14 day interval. 0 day Preharvest Interval. 		

Notes:

† Not for use in California.

• Use in alternation with fungicides that have different modes of action.

 Do not apply more than 5 applications of ENDORSE Water Dispersible Granules (3.5 oz ai/acre) per season.

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STRAWBERRIES †				
Disease Control	f	Rate	Γ	Application Notes
Anthracnose Leaf and Fruit Rot (Colletotricum sp.) Botrytis Fruit Rot	4 9 1 0	6.2 oz/acre (0.7 oz ai/acre)	•	Mix in appropriate spray volume appropriate for sufficient coverage. Begin applications preventatively and continue as needed on a 7–10 day
(Botrytis cinerea)	. •			interval. 0 day Preharvest Interval.
Powdery Mildew			•	Do not apply by air.
(Sphraerotheca macularis)			•	Use of adjuvant may enhance coverage

+ Not for use in California.

• Use in alternation with fungicides that have different modes of action.

 Do not apply more than 3 applications of ENDORSE Water Dispersible Granules (2.1 oz ai/acre) per season. 068173-00003.20130807.with_market_segmentation_changes_implemented.pdf ENDORSE Water Dispersible Granules (EPA Reg. No. 68173-3) Adds market segmentation labeling for AFFIRM WDG. Includes changes requested by notification on 6/14/2013. CHANGES IMPLEMENTED Page 12 of 27

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Foliar Disease Control	Rate	Application Notes
Anthracnose (Colletotrichum)	0.25 – 0.5 lb/100 gal/acre (0.03 – 0.06 lb ai/100 gal/acre)	 Apply as a full coverage foliar spray every 7 – 10 days with sufficient water for plant type and maturity (50-300
Botrytis blight (Botrytis cinerea)	guildeley	 gallons/acre). Apply prior to disease development and when conditions are conducive to
Curvularia leaf blight (<i>Curvularia</i> sp.)		disease development. Consult your local extension agent or local recommendations for
Downy Mildew (Pernospora sp.) (Plasmopara sp.)		recommendations for information relating to proper timing for control of these diseases.**
Powdery Mildew (Oidium sp.) (Erysiphe sp.) (Sphaerotheca sp.)		
Rhizoctonia aerial blight (<i>Rhizoctonia solani</i>)		
Alternaria blight (<i>Alternaria panax</i>)	0.5 lb/100 gal/acré (0.06 lb ai/100 gal/acre)	
Petiole Rot (<i>Myrothecium</i>)		
Apple scab (Venturia inequalis)		
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)	 Apply as a soil drench every 14 – 28 days.
Black Root Rot (<i>Thielaviopsis</i>)	0.5 lb (0.06 lb ai/100 gal/acre)	

• Use in alternation with fungicides that have different modes of action.

** 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, and non-bearing fruit and nut trees.

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TURF GRASSES				
Disease	Rate	Application Notes		
Control Brown Patch	2.4 lbs /acre (0.27 lb ai/acre)	Repeat treatment on a 7-14 day schedule where environmental conditions are conducive to		
(<i>Rhizoctonia solani</i>) Large Patch		 development of diseases. Consult , your local extension agent or local recommendations for information 		
(Rhizoctonia solani)		relating to proper timing for control of these diseases.		
Aids in Control †		 When symptoms are present, best control will be achieved by using a 		
Cool Season Brown Patch or Yellow Patch		 shorter interval. For best results apply after mowing. 		
(Rhizoctonia cerealis)		 Apply to obtain thorough plant coverage in a minimum of 66 gallons 		
Foliar and Basal Anthracnose (Colletotrichum cereale)		water per acre.		
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 (Rhizoctonia solani)				
Rhizactonia Leaf and Sheath Blight				
(Rhizoctonia zeae)				
Waitea Patch (Brown Ring Patch) (<i>Waitea circinata</i>)				
Zoysia Patch (<i>Rhizoctonia solani</i>)				

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TURF GRASSES ٠ Disease Rate **Application Notes** Aids in Suppression † ٠ Gray Leaf Spot (Pyricularia grisea) . Suppression and Short Term 1 oz/1000 sq ft in Make two-three applications on a 7-Control minimum of 1 gallon of day interval schedule. water Use a penetrating wetting agent. (0.27 lb ai/acre in 66 Immediately following application, Fairy Ring gallons of water) water in the treatment with sufficient (including Marasmius spp., irrigation (1/8-1/4") to wet the active Lepiota, spp. and Agarius spp.) root zone.

Notes:

† Not for use in California.

- With the exception for treatment of Fairy Ring, irrigation or rainfall soon after treatment with ENDORSE Water Dispersible Granules 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 HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling, if available, or 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

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Warranty and Disclaimer Statement

- 1. The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Kaken Pharmaceutical Co. Ltd. ("Kaken"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.
- Kaken warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.
- This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Kaken, and is subject to the inherent risks described above. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, KAKEN DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, KAKEN, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF KAKEN IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.
 TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF KAKEN, MANUFACTURER, AND SELLER,

SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT KAKEN'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

ENDORSE® is a registered trademark of Arysta LifeScience North America, LLC.

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Label That DOES NOT Permit Outdoor Field Use on Food Crops (AFFIRM WDG)

Alternate Brand Name for ENDORSE Water Dispersible Granules: • AFFIRM™ WDG

ENDORSE® Water Dispersible Granules

For dise on Turf, Ornamentals, and Various Food Crops grown only in a Greenhouse, Lath house, Shade House, Hoop Structure, or High Tunnel Structure

 GROUP
 19
 FUNGICIDE

 ACTIVE INGREDIENT:
 11.3%

 Polyoxin D zinc salt
 11.3%

 OTHER INGREDIENTS:
 88.7%

 TOTAL
 100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

SEE SIDE OR BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 68173-3 EPA Est. No.

Kaken Pharmaceutical Co., Ltd. Agrochemicals & Animal Health Products Department 28-8, Honkomagome 2-chome Bunkyo-ku, Tokyo 113-8650, Japan

For Product Information Call ______ Net Content: 0.5 pounds 1 lb 2 lbs 6.4 oz (2.4 lb)

33 lb (15 kg)

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If on skin or clothing • Take off contaminated clothing. • Rinse skin immediately with plenty of v • Call a poison control center or doctor f If in eyes • Hold eye open and rinse slowly and ge • Remove contact lenses, if present, after eye. • Call a poison control center or doctor f	for treatment advice.
 Remove contact lenses, if present, after eye. 	
	for treatment advice.
 If swallowed Call poison control center or doctor im Have person sip a glass of water if abl Do not induce vomiting unless told to a Do not give anything by mouth to an u 	le to swallow. do so by the poison control center or doctor.
 If inhaled Move person to fresh air. If person is not breathing, call 911 or a preferably by mouth-to-mouth, if possi Call a poison control center or doctor f 	

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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 PROSAR at 1-866-303-6952 or 1-651-632-8946 if calling from outside of the U.S.

Alternate text:

Call CHEMTREC at 1-800-424-9300 or the Poison Control Center at 1-800-222-1222.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if absorbed through the 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.

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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.

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GENERAL INFORMATION

ENDORSE Water Dispersible Granules is not for use on turf being grown for commercial seed production.

ENDORSE Water Dispersible Granules is not for homeowner use to treat food crops.

ENDORSE Water Dispersible Granules is for use in controlling or suppressing certain diseases on:

- 1) 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;
- 2) Ornamentals (greenhouse, lath house, shade house, hoop structure, high tunnel structure, field, nursery, container, and residential and commercial landscapes); and
- 3) Turf (including golf courses, sod, residential lawns, parks, athletic fields, and commercial and institutional grounds) composed of cool and warm season grasses such as Bluegrass, Bentgrass, Fescue, Ryegrass, Bermudagrass, St. Augustinegrass, Zoysiagrass, or their mixtures.

Apply ENDORSE Water Dispersible Granules as a preventative or curative treatment in conjunction with good management practices.

RESISTANCE MANAGEMENT RECOMMENDATIONS

ENDORSE Water Dispersible Granules 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 Water Dispersible Granules or other Group 19 Fungicides.

To delay fungicide resistance, consider:

- Avoiding the consecutive use of ENDORSE Water Dispersible Granules 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 are present or expected, it is appropriate to mix ENDORSE Water Dispersible Granules with appropriately labeled fungicides. When tank mixing ENDORSE Water Dispersible Granules 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 ENDORSE Water Dispersible Granules:

- 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 ENDORSE Water Dispersible Granules with sufficient water to provide a thorough coverage.

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CUCURBIT VEGETABLES †, *

[Ċhayote (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). Watermelon1

nubbaru squash, acom squash, spaynetti squash, waternelohj				
Disease Control	Rate	Application Notes		
Powdery Mildew	6.2 oz/acre	 Mix in appropriate spray volume 		
(Spthaerotheca sp.)	(0.7 oz ai/acre)	appropriate for sufficient coverage.		
		 For all diseases, spray product 		
Gummy Stem Blight		preventatively and continue as needed on		
(Didymella bryoniae)		a 10-14 day interval.		
		 0 day Preharvest Interval. 		
Gray Mold				
(Botrytis sp.)				
Corynespora leaf spot				
(Corynespora cassicola)				
Scab				
(Cladosporium sp.)				
(Clauosponum sp.)				
Early Blight				
(Alternaria sp.)		· · · · ·		
Notes:				

† Not for use in 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 5 applications of ENDORSE Water Dispersible Granules (3.5 oz ai/acre) per season.

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FRUITING VEGETABLES (Except Cucurbits) †. * [Eggplant, Groundcherry, Pepino, Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), Tomatillo, Tomato] Rate **Disease Control Application Notes** 6.2 oz/acre Powderv Mildew Mix in appropriate spray volume (Leveillula taurica, Oidiopsus sipula) (0.7 oz ai/acre) eppropriate for sufficient coverage. For all diseases, spray product preventatively and continue as needed on Botrytis Rot (Botrytis sp.) a 10-14 day interval. 0 day Preharvest Interval. Early Blight (Alternaria solani) **Disease Suppression** Anthracnose (Colletotricum coccodes)

Notes:

† Not for use in 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 5 applications of ENDORSE Water Dispersible Granules (3.5 oz ai/acre) per season.

GINSENG †, 🌣				
Rate	Application Notes			
6.2 oz/acre (0.7 oz ai/acre)	 Apply as a foliar spray every 7–10 days. Apply prior to disease development and when conditions are conducive for disease.¹ 			
Rate	Application Notes			
6.2 oz/acre (0.7 oz ai/acre)	Apply as a drench every 14 days.			
	 Apply as a drench every 14–28 days. 			
	Rate6.2 oz/acre(0.7 oz ai/acre)Rate6.2 oz/acre			

Notes:

† Not for use in California.

For use in a greenhouse, lath house, shade house, hoop structure, or high tunnel structure. Not for field use.

Apply within 2 weeks following plant emergence and continue throughout the season.

¹ 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 ENDORSE Water Dispersible Granules (2.1 oz ai/acre) per season. 068173-00003.20130807.with_market_segmentation_changes_implemented.pdf ENDORSE Water Dispersible Granules (EPA Reg. No. 68173-3) Adds market segmentation labeling for AFFIRM WDG. Includes changes requested by notification on 6/14/2013. CHANGES IMPLEMENTED Page 23 of 27

STRAWBERRIES †, 🌣				
Disease Control	Rate	Γ	Application Notes	
Anthracnose Leaf and Fruit Rot (Colletotricum sp.)	6.2 oz/acre (0.7 oz ai/acre)		Mix in appropriate spray volume appropriate for sufficient coverage. Begin applications preventatively and	
Botrytis Fruit Rot (Botrytis cinerea)			continue as needed on a 7–10 day interval. 0 day Preharvest Interval.	
Powdery Mildew (Sphraerotheca macularis)		ŀ	Do not apply by air. Use of adjuvant may enhance coverage	

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. . . .

† Not for use in 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 ENDORSE Water Dispersible Granules (2.1 oz ai/acre) per season. 068173-00003.20130807.with_market_segmentation_ changes_implemented.pdf ENDORSE Water Dispersible Granules (EPA Reg. No. 68173-3) Adds market segmentation labeling for AFFIRM WDG. Includes changes requested by notification on 6/14/2013. CHANGES IMPLEMENTED Page 24 of 27

	ORNAMENTALS	
Foliar Disease Control	Rate	Application Notes
Anthracnose (Colletotrichum) Botrytis blight (Botrytis cinerea) Curvularia leaf blight (Curvularia sp.) Downy Mildew (Pernospora sp.) (Plasmopara sp.)	0.25 – 0.5 lb/100 gal/acre (0.03 – 0.06 lb ai/100 • gal/acre) •	 Apply as a full coverage foliar spray every 7 – 10 days with sufficient wate for plant type and maturity (50-300 gallons/acre). Apply prior to disease development and when conditions are conducive to disease development. Consult your local extension agent or local recommendations for recommendations for information relating to proper timing for control of these diseases.**
Powdery Mildew (Oidium sp.) (Erysiphe sp.) (Sphaerotheca sp.) Rhizoctonia aerial blight (Rhizoctonia solani)		
Alternaria blight (<i>Alternaria panax</i>) Petiole Rot	0.5 lb/100 gal/acre (0.06 lb ai/100 gal/acre)	
(Myrothecium) Apple scab (Venturia inequalis)		
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) 0.5 lb	 Apply as a soil drench every 14 – 28 days.
Black Root Rot (<i>Thielaviopsis</i>)	0.5 lb (0.06 lb ai/100 gal/acre)	

Notes:

Use in alternation with fungicides that have a different mode of action.

** 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, and non-bearing fruit and nut trees.

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TURF GRASSES				
Disease	Rate	Application Notes		
Control Brown Patch (<i>Rhizoctonia solani</i>) Large Patch	2.4 lbs /acre (0.27 lb ai/acre)	Repeat treatment on a 7-14 day schedule where environmental conditions are conducive to development of diseases. Consult your local extension agent or loeal recommendations for information relating to proper timing for control of		
(Rhizoctonia solani) Aids in Control †		these diseases. When symptoms are present, best control will be achieved by using a shorter interval. For best results apply after mowing. Apply to obtain thorough plant coverage in a minimum of 66 gallons water per acre.		
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 (Rhizoctonia solani)				
Rhizactonia Leaf and Sheath Blight (<i>Rhizoctonia zeae</i>)				
Waitea Patch (Brown Ring Patch) (<i>Waitea circinata</i>)				
Zoysia Patch (<i>Rhizoctonia solani</i>)				
Aids in Suppression †				
Gray Leaf Spot (<i>Pyricularia grisea</i>)	· ·			

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TURF GRASSES				
Disease	Rate	Ι	Application Notes	
Suppression and Short Term Control Fairy Ring (including <i>Marasmius</i> spp., <i>Lepiota</i> , spp. and <i>Agarius</i> spp.)	1 oz/1000 sq ft in minimum of 1 gallon of water (0.27 lb ai/acre in 66 gallons of water)	•	Make two-three applications on a 7- day interval schedule. Use a penetrating wetting agent. Immediately following application, water in the treatment with sufficient irrigation (1/8-1/4") to wet the active	

Notes:

t Not for use in California.

- With the exception for treatment of Fairy Ring, irrigation or rainfall soon after treatment with ENDORSE Water Dispersible Granules 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 HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling, if available, or 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

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- 2. Kaken warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.
- This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Kaken, and is subject to the inherent risks described above. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, KAKEN DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, KAKEN, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF KAKEN IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.
 TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF KAKEN, MANUFACTURER, AND SELLER,

SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT KAKEN'S ELECTION, THE

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