

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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

George Meindl Registration Manager Nufarm Americas, Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527

ANGG 239 2007

SUBJECT:

Applications for Pesticide Notification – Request for Primary Brand Name Change Mantra[™] 2F Greenhouse and Nursery Insecticide MantraTM 1G Greenhouse and Nursery Insecticide

EPA Reg. No. 228-486 EPA Reg. No. 228-523

Applications Dated August 6, 2007

Dear Mr. Meindl:

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above products. The Registration Division (RD) has conducted a review of these requests for their applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The labels submitted with the applications have been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

Linda Arrington Notifications & Minor Formulations Team Leader Registration Division (7505P) Office of Pesticide Programs



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9	EPA		E	Enviro	nment

United States Environmental Protection Agency Washington, DC 20460					Registration Amendment Other		OPP Identifier Number	
Application for Pesticide - Section I								
1. Company/Product Number		2. EPA Proc		ger		3. Pr	oposed Classification	
228-523		Venus Ea	igie			[None Restricted	
Company/Product (Name) Mantra 1G Greenhouse and Nursery Insecticide		PM# 1					•	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas, Inc. 150 Harvester Drive Suite 200 Burr Ridge, IL 60527 Check if this is a new address	. /	6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. Product Name						
	Sec	tion - II						
Amendment - Explain below. Resubmission in response to Agency letter dated		A	nal printed gency lette de Too" Ap	r dat			OTIFICATION	
X Notification - Explain below.		· 🗍 01	her - Expla	in be	olow.		AUG 2 9 2007	
Explanation: Use additional page(s) if necessary. (For section I and Section II.) Label notification consistent with PRN98-10, see cover letter for detailed explanation. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make false statements to EPA. I further understand that if this notification is not consistent withe terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.								
	Seçt	tion - III						
1. Material This Product Will Be Packaged In:		,					,	
Child-Resistant Packaging Yes No If "Yes" Unit Packaging Ves No. per Unit Packaging wgt. No. per		No Pr			Metal Plastic Glass Paper	Specify)		
be submitted								
3. Location of Net Contents Information 4. Size(s) Retail Container 5. Location of Label Directions Label Container							ons '	
6. Manner in Which Label is Affixed to Product Paper glued Stenciled								
Section - IV								
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)								
Name George Meindl george.meindl@us.nufarm.com	Titte Regist				•	e No. (Include Area Code) 55.2017		
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complets. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. 6. Data Application Received (Stzmped)								
2. Signature W	3. Title Regi	з. राग्र• Registration Manager						
4. Typed Name George Meindl	5. Date 8/6	5. Date 8/6/2007						



Nufarm Americas, Inc. George Meindl Registration Manager 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527

Phone: 630.455-2017 Fax: 630.455.2030 george.meindl@us.nufarm.com

August 6, 2007

Via Overnight Courier

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

NOTIFICATION AUG 2 9 2007

Subject:

Mallet® 1G Greenhouse and Nursery Insecticide

EPA Reg. No. 228-523

Change primary brand name to

Mantra™ 1G Greenhouse and Nursery Insecticide

Dear Ms. Hobgood:

Nufarm Americas Inc. would like to make a change to the primary brand name for the subject registration. We would like the primary brand name for the subject registration to be: Mantra™ 1G Greenhouse and Nursery Insecticide. We feel that this label change is permitted and consistent with PRN98-10 section II (Labeling notifications) part A (Changing primary brand name). The new primary brand name is not false and misleading.

To process this request please find enclosed the following:

- Application for Pesticide Registration (EPA form 8570-1)
- Final print labeling with new primary brand name (1 copy)

If you should have any questions regarding this matter, please feel free to contact me at 630.455.2017 or email at george.meindl@us.nufarm.com.

Sinçerely,

George Meindl

Registration Manager Nufarm Americas, Inc.



Mantra[™] 1G

Greenhouse and Nursery Insecticide

FOR SYSTEMIC INSECT CONTROL ON ORNAMENTAL PLANTS IN GREENHOUSES, NURSERIES AND INTERIOR PLANTSCAPES.

ACTIVE INGREDIENT:

KEEP OUT OF REACH OF CHILDREN CAUTION

SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300 For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-523 EPA EST. NO. MANUFACTURED BY NUFARM AMERICAS INC. BURR RIDGE, IL 60527



NET CONTENTS

000228-00523.20070806.NAME

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- · Long-sleeved shirt and long pants.
- Chemical-resistant gloves made of waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinylchloride (PVC) or viton.
- · Shoes plus socks.
- · Protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. 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.

FIRST AID					
Hold eye open and flush slowly and gently with water for 15 to 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.					
•	HOT LINE NUMBER container or label with you when calling a poison control center or doctor, or going for treatment. tact 1-877-325-1840 for emergency medical treatment information.				
	NOTE TO PHYSICIAN				
No specific antido	ote is available. Treat the patient symptomatically.				

ENVIRONMENTAL HAZARDS

This product is highly toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

Do not contaminate water when disposing of equipment washwaters.

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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 pessicice 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 12 hours. Exception: If this product is applied by drenching, the Worker Protection Standard, under certain circumstances allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

- Coveralls
- Chemical-resistant gloves made of waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton
- · Shoes plus socks
- · Protective eyewear

GENERAL INFORMATION

This product is for insect control on ornamental plants in nurseries, greenhouses and interior plantscapes. This product is a systemic product and will be translocated upward within the plant. To assure optimum effectiveness, the product must be placed by incorporation where the roots of the plant can absorb the active ingredient. Irrigate moderately but thoroughly after application, allowing no leaching and runout from containers for at least three irrigations or 10 days whichever is longer.

Resistance: Some insects are known to develop resistance to Insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area. Consult your Cooperative Extension Service for resistance management strategies and recommended pest management practices for your area.

Incorporation: Incorporation of this product can be achieved by cultivation, irrigation, rainfall, mechanical placement or by using mechanical soil or media mixing equipment.

Woody Perennials: Onset of protection is slower than in herbaceous species. A delay of 2 or more weeks should be expected. Longer delays may be expected with larger plants. Application should therefore be made in advance of expected insect activity.

Bark Media: Media with 30% or more bark content when treated with this product may confer a shorter period of protection.

APPLICATION TO GRASSY AREAS IN NURSERIES

This product can be used for the control of soil inhabiting pests of grassy areas or nurseries, such as Northern and Southern masked chafers, Cyclocephala borealis, C. immaculata, and/or C. lurida; Asiatic garden beetle, Maladera castanea; European chafer, Rhizotroqus majalis; Green June beetle, Cotinis nitida; May or June beetle, Phyllophaga spp.; Japanese beetle, Popillia japonica; Oriental beetle, Anomal orientalis; Billibugs, Spherophorus spp.; Annual blugrass weevil, Hyperodes spp.; Black turfgrass ataenius, Ataenius spretulus and Aphodius spp. and mole crickets, Scapteriscus spp. This product can also be used for suppression of cutworms and chinchbugs. This product can be used as directed on nursery grass in sites such as under or around field or container grown plants, on roadways or other grassy areas in or around nurseries.

The active ingredient in this product has sufficient residual activity so that applications can be made preceding the egg laying activity of the target pests. High levels of control can be achieved when applications are made preceding or during the egg laying period. The need for an application can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. Optimum control will be achieved when applications are made prior to egg hatch of the target pests, followed by sufficient irrigation or rainfall to move the active ingredient through the thatch.

Applications should not be made when grassy areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist. The treated grassy area must be in such a condition that the rainfall or irrigation will penetrate vertically in the soil profile. Application cannot exceed a total of 40 lbs. of product (0.4 lb. of active ingredient) per acre per year.

RECOMMENDED APPLICATIONS FOR USE

For systemic insect control on greenhouse, interior plantscapes and nursery ornamentals grown in flats, benches, beds and container.

		Container Bulk Application Topical Application		olication			
PEST	USE PATTERN	size (inches)	Pots/cu. yd. of mix	Bulk Rate lbs.cu. yd.	Topical Rate level teaspoon	Grams/pot	REMARKS
Adelgids Aphids Armored scale (suppression) Fungus gnats	Herbaceous Species (one or two plants per pot)	2.0 to 3.0 3.5 to 5.0 5.5 to 7.0 8.0 to 10.0 11.0 to 12.0	4500 to 3200 1600 to 1300 900 to 400 200 to 160 80 to 60	7.0 to 3.5 3.9 to 3.0 1.8 to 1.2 1.0 to 0.8 0.8 to 0.5	1/8 to 1/4 1/4 to 1/3 1/3 to 1/2 1/2 to 2/3 2/3 to 1	0.5 to 1.0 1.0 to 1.4 1.4 to 2.0 2.0 to 2.7 2.7 to 4.1	Bulk Rate Application: Mix the required amount of this product per cubic yard of medium. Mix thoroughly before filling pots and
(larvae only) ¹ Japanese beetles (adults) Lacebugs	Woody Perennial Species	2.0 to 3.0 3.5 to 5.0 5.5 to 7.0 8.0 to 10.0 11.0 to 12.0	4500 to 3200 1600 to 1300 900 to 400 200 to 160 80 to 60	9.0 to 7.0 6.0 to 4.0 2.5 to 2.0 1.5 to 1.0 1.0 to 0.8	1/4 to 1/3 1/3 to 1/2 1/2 to 2/3 2/3 to 1 to 1-1/2	1 to 1.3 1.3 to 2.0 2.0 to 2.7 2.7 to 4.1 4.1 to 6.1	transplanting. Topical Application: May be made at transplanting, repotting, or on established containerized plants. Irrigate moderately after application to move the active ingredient into
Leaf beetles (including Elm and Vibumam leaf beetles) Leafhoppers	Herbaceous Species (Three or more plants per pot)	or more			nial Species rates		
(including glassy-winged sharpshooter) Leafminers	Ornamental plants grown in flats, benches, or		Apply 18	ounces per	1000 sq ft		Apply as a broadcast treatment and incorporate into the soil or media before planting, irrigate moderately
Mealybugs	beds						after application to move the active ingredient into the root
Psyllids Root Weevil Complex (such as Black			•	· .			zone. Minimize leaching and runout for at least 3 irrigations or 10 days, whichever is longer.
Vine Weevil, Apopka Weevil Citrus Root Weevil ²) Soft scale	Containerized plants	1 Gallon 2 Gallon 3 Gallon 5 Gallon	260 to 230 125 to 100 70 to 60 50 to 30	5.0 to 2.5 4.4 to 2.2 3.3 to 1.7 2.0 to 1.0	1-1/4 to 2-1/2 2-1/2 to 5.0 3-2/3 to 7-1/3 4-1/2 to 9.0	5 to 10 10 to 20 15 to 30 18.5 to 37	For optimum control, make applications prior to egg hatch of the target pest. Irrigate moderately after application to move the active ingredient into
Thrips (suppression) ³		1 lovel to	annon of this r	roduct - 4.1	grome 3 to		the root zone.
White Grub larvae (such as Japanese Beetle, Chafers, European Chafer, Oriental Beetle, Asiatic Garden Beetle)	² Citrus Root Weevil: For use on non-bearing citrus nursery stock. ³ Thrips suppression on foliage only. Thrips in buds and flowers will not be suppressed.						

RECOMMENDED APPLICATIONS FOR USE For use only on nursery ornamentals.						
PEST	USE PATTERN	DOSAGE	REMARKS			
White grub larvae (such as Japanese beetle, Masked Chafers, European Chafer, Oriental beetle, Asiatic Garden beetle)	Field and Forest Nurseries	Apply as a uniform band on either side of row using a band six (6) inches wider than the actual root ball diameter to be dug. Do not allow bands in adjacent rows to overlap. Use 45 oz. per 1000 ft. or row or 3000 sq. ft.	Vegetation in the area to be treated should be mowed to a height of 3 inches or less prior to application. Mowing to the lowest possible height will insure greater consistency of control.			
		For grub control in areas of turf, apply as a broadcast application using 45 oz. per 3000 sq. ft.	Apply May through July. For optimum control, treatement should be followed by rainfall or irrigation.			

RESTRICTIONS

Do not graze treated areas or use clippings from treated areas for feed or forage.

Do not apply to soils which are water-logged, or saturated. This condition will not allow the penetration of water into the root zone of the plants.

For outdoor omamentals grown in beds or turf, applications of this product cannot exceed a total of 40 lb per acre per year.

On plants with a production cycle of less than one year, application is not to exceed a frequency of more than once each 16 weeks for a particular plant. On stock plants and woody crops with a production cycle of greater than one year, application may not exceed once a year.

Food Crops: Treated areas may be replanted with any crop specified on an imidacloprid label, or with any crop far which a tolerance exists for the active ingredient.

For crops not listed on any imidacloprid label, or for crops for which no tolerances for the active ingredient have been established, a 12 month plant-back interval should be observed.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, or feed. Store in original containers and out of the reach of children, preferably in a locked storage area.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide is a violation of Federal law.

CONTAINER DISPOSAL: Do not use container in connection with food, feed, or drinking water. Completely empty container into application equipment. Then 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.

SPILLS: If the container is leaking or material is spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material.

Do not walk through spilled material. Dispose of as directed for pesticides above, or apply uncontaminated product according to Directions For Use. Keep unauthorized people away. For chemical spill, leak, fire, or exposure, you may contact CHEMTREC at 800-424-9300.

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, EXTER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT 92.27, 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 INFERENCE OR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INFERENCE OR ANSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING "VERTHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USES. THIS WASTING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTUREF, ALID SELLER, ALID NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPPESENTATION 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 directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

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