

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

> OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

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JUN 12 2008

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

SUBJECT:

Application for Pesticide Notification (PRN 98-10) Request General Label Change EPA Reg. No. 228-573 Application Dated May 23, 2008

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 05/23/08 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

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



Nufarm Americas, Inc. George Meindl Regulatory Affairs Manager 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527 Phone: 630.455-2017 Fax: 630.455.2030 george.meindl@us.nufarm.com

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

Subject: Mantra 5G Greenhouse and Nursery Insecticide EPA Reg. No. 228-573 Label Notification per PRN98-10

Dear Ms. Hobgood:

May 23, 2008

Nufarm Americas Inc. would like to make a minor label change to the subject registration. At this time we would like to add the following: "Imidacloprid in a suSCon® prill" and "This product is protected by U.S. Patent No. 5,741,521". We believe this is consistent with PR98-10 section II (Labeling notifications) part N (Other revisions, which are related to FIFRA).

To process this request please find enclosed the following:

• Application for Pesticide Registration (EPA form 8570-1)

• Revised labeling (2 copies) with changes clearly marked on 1 copy

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

Sincerely,

George Meindl Regulatory Affairs Manager Nufarm Americas, Inc.

H: imidacloprid\registered\228-573\adding suSCon reference and patent number via notification PRN98-10 submitted 5.23.2008.doc

Please read instructions on reverse before completing form.

- · ·		
Form Approved.	OMB No.	. 2070-0060

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United States Registration Environmental Protection Agency Washington, DC 20460							OPP identifier Number
	<u>A</u>	pplication	for Pesticide - Se	ction	1 ·		
1. Company/Product Number 228-573			2. EPA Product M Venus Eagle				posed Classification
4. Company/Product (Name) Mantra 5G Greenhouse a			PM#				None Restricted
5. Name and Address of App Nufarm Americas, Inc. 150 Harvester Drive Su Burr Ridge, IL 60527	olicant <i>(Include ZIP Code</i>		6. Expedited R (b)(i), my producto: EPA Reg. No. Product Name	t is sim	In accordance hilar or identical NOT		FIFRA Section 3(c)(3) nposition and labeling
			Section - II				
Amendment - Explein Resubmission in resp Notification - Explain Explanation: Use addition Label notification consisten 98-10 and EPA regulations product. I understand that in notification is not consistent enforcement action and per	below. al page(s) if necessary. t with PRN98-10, see co at 40 CFR 152.46, and t is a violation of 18 U.S withe terms of PR Notic	(For section I a over letter for d no other chang S.C. Sec. 1001 ce 98-10 and 4	Agency II "Me Too" "Me Too" Other - E and Section II.) etailed explanation. This r ges have been made to th to willfully make false stat 0 CFR 152.46, this produ	etter dat * Applic xplain be notificati e labelir ements	ation. alow. on is consistent ng or the confide to EPA. I furthe	ntial sta r under	atement of formula of this stand that if this
1. Material This Product Will	Be Packaged in:	· · · · · · · · · · · · · · · · · · ·	Section - III		· · · · · · · · · · · · · · · · · · ·		<u> </u>
Child-Resistant Packaging Yes No • Certification must be submitted		No. per	Water Soluble Packaging Yes No If "Yes" No. pe Package wgt contain		PI Gi Pi	tainer etal estic ess ess eper ther (Sp	
3. Location of Net Contents I	nformation 4.	. Size(s) Retail (Container	5. Lo [-	cation of Label D	irection	\$
6. Manner in Which Label is a	Affixed to Product	Lithograph Paper plue Stenciled	h [] Oti ed	18r			
			Section - IV				
1. Contact Point /Complete	items directly below for	identification of	f individual to be contecte	d, if nec	essary, to proces	s this a	pplicetings
Name George Meindl george	e.meindl@us.nufar	m.com Re	egulatory Affairs N	lanag	1		No. (Include Area Code) 5.2017
	knowlinglly false or mis		attachments thereto are tr sent may be punishable by			60 00 00	3. Dິເຊັ Application Roceivat ູ (Stamped) ູ
Dix	Indl		egulatory Aff	airs	Manage	r	οοοο ω ουο ουοο . ουοο.
4. Typed Name S George Meindl		^{₅.} c	bate 6/23/2008				

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.

NOTIFICATION

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JUN 1 2 2008

Mantra[®] 5G

Greenhouse and Nursery Insecticide

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

ACTIVE INGREDIENT:	
Imidacloprid	
OTHER INGREDIENTS:	 <u>95.0%</u>
,	

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. 228-573 EPA EST. NO.

NET CONTENTS

000228-00573.20080522.EPA.Notification NUQ-05054

MANUFACTURED FOR NUFARM AMERICAS INC. **150 HARVESTER DRIVE** BURR RIDGE, IL 60527



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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, using tobacco or using the toilet. Wear long-sleeved shirts, long pants, socks, shoes and chemical-resistant gloves.

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, polyethylene, polyethy
- 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
IF IN EYES	 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

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

NOTE TO PHYSICIAN

No specific antidote 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 pesticide regulation.

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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:

Coverails

• 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

PRODUCT 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 wilh 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, Phyliophaga spp.; Japanese beetle, Popillia japonica; Oriental beetle, Anomal orientalis; Billbugs, 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.

This product has sufficient residual activity so that applications can be made in early spring through the egg laying activity of the target pests. High levels of control can be achieved from early spring or when applications are made 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.

Do not make applications 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 raintal or irrigation will penetrate vertically in the soil profile. Application cannot exceed a total of 8 pounds of product (0.4 lb. of active ingredient) per acre per year.

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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 9 ounces per 1000 faet or row or 3000 square feet For grub control in areas of turf, apply as a broadcast application using 9 ounces per 3000 square feet.	should be mowed to a height of 3 inches or less prior to application. Mowing to		

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 ornamentals grown in beds or turf, applications of this product cannot exceed a total of 8 pounds 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, observe a 12-month plant-back interval.

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, 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 SELLEH, AND INO 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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LIMITATION OF LIABILITY

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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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Imidacloprid in a suSCon® Prill

This product is protected by US Patent No. 5,741,521

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