

100-913

3-21-2001

1/6

Please read instructions on reverse before completing form.

	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number NOTIFICATION
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**Application for Pesticide - Section I**

1. Company/Product Number 100-913	2. EPA Product Manager Dan Peacock	3. Proposed Classification  <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Endeavor™ Insecticide	PM# IRB	
5. Name and Address of Applicant (Include ZIP Code) Syngenta Crop Protection, Inc. P. O. Box 18300 Greensboro, NC 27419  <input type="checkbox"/> Check if this is a new address		6. Expedited Review. 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 _____

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b>  <b>MAR 21 2001</b>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

**Explanation: Use additional page(s) if necessary. (For Section I and Section II.)**

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 any false statement to EPA. I further understand that if this notification is not consistent with the 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. The following changes are being made via this notification: 1) Company name and address have been updated to reflect Syngenta Crop Protection, Inc. 2) The Conditions of Sale and Warranty statement has been changed to reflect the name change. Because Syngenta has been formed by the merger of Novartis Crop Protection, Inc. and Zeneca Ag Products, we have chosen to use the former Zeneca warranty statement as the Syngenta warranty statement. No other changes occur in the statement other than the name change. 3) The copyright date reflects Syngenta. 4) Trademark statements have been updated to reflect Syngenta for those products for which Syngenta holds the trademark. 5) The internet address has been changed to reflect Syngenta. 6) Other places in the label which referring to the company name have been updated.

**Section - III**

<b>1. Material This Product Will Be Packaged In:</b>				<b>2. Type of Container</b>	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
<i>*Certification must be submitted</i>		If "Yes" Unit Packaging wgt.    No. per Container	If "Yes" Unit Packaging wgt.    No. per container		
<b>3. Location of Net Contents Information</b> <input type="checkbox"/> Label <input type="checkbox"/> Container		<b>4. Size(s) Retail Container</b>		<b>5. Location of Label Directions</b> <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
<b>6. Manner in Which Label is Affixed to Product</b> <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

**Section - IV**

<b>1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)</b>		
Name Nan S. Padgett	Title Label Group Leader	Telephone No. (Include Area Code) 336-632-7567
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		<b>6. Date Application Received (Stamped)</b>
2. Signature 	3. Title Label Group Leader	
4. Typed Name Nan S. Padgett	5. Date March 12, 2001	

2/6

NOTIFICATION

MAR 21 2001

PULL HERE TO OPEN ►

# Endeavor™

## INSECTICIDE

For control of aphids and whiteflies on landscape ornamentals, field grown ornamentals, container grown ornamentals, nonbearing fruit and nut trees in nurseries, Christmas trees, ground covers, and ornamental plants in greenhouses, lath and shadehouses, and interiorscapes

<b>Active Ingredient:</b>	
Pymetrozine (CAS No. 123312-89-0) . . . . .	50.0%
<b>Other Ingredients:</b>	50.0%
<b>Total:</b>	100.0%

Endeavor is a water-dispersible granule.  
Product of Switzerland Formulated in the USA

**KEEP OUT OF REACH OF CHILDREN.**

### CAUTION

See additional precautionary statements inside booklet. See **Directions for Use** before applying.

For Professional Use Only (Not for application by homeowners)

EPA Reg. No. 100-913 EPA Est. 67545-AZ-1

SCP 913B-L1C 0201

6 x 2.5 OUNCE PACKETS

15 OUNCES

TOTAL NET WEIGHT PER BOX  
U.S. Standard Measure



### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA 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 referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

**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.

**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.**

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:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this 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.

**Do not enter treated areas without protective clothing until sprays have dried.**

**FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY AND/OR POOR INSECT CONTROL.**

**GENERAL INFORMATION**

Endeavor is an insecticide that controls aphids and whiteflies on landscape ornamentals, field grown ornamentals, container grown ornamentals, nonbearing fruit and nut trees in nurseries, Christmas trees, ground covers, and ornamental plants in greenhouses, lath and shadehouses, and interiorscapes.

**Mode of Action**

Endeavor has a mode of action that controls aphids and whiteflies by stopping their feeding activity. These insects stop feeding within hours, but remain on the plant for a short time (2-4 days). Endeavor has residual activity in the plant and will control aphids and whiteflies that move onto the plant after spraying.

**Suitability for Integrated Pest Management Programs**

Endeavor is suitable for Integrated Pest Management (IPM) programs as it has a low toxicity to beneficial insect (including honeybees and bumblebees) and mite populations.

**Use Restrictions**

Do not apply aerially.

Do not apply more than 10 oz. per acre per application.

For outdoor use, do not apply more than 48 oz. per acre per year.

For indoor use, do not apply more than 100 oz. (48 oz. in CA only) per acre per year.

**Phytotoxicity**

Endeavor has been evaluated for phytotoxicity on many greenhouse, nursery, and ornamental plants. All plants tested under university research and commercial production conditions have not shown phytotoxicity at labeled rates of Endeavor. While many species and cultivars have been tested, a small group of each specie and cultivar should be evaluated for phytotoxicity two weeks prior to making applications to the entire crop. Applications should not be made to poinsettia after bract formation.

**Resistance Management**

Endeavor belongs to a class of chemicals not previously used as pesticides and not known to be cross-resistant to other classes of insecticides. However, insect pests are known to develop resistance to products used repeatedly. Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for the crop and use area. Such strategies may include rotating with insecticides with different modes of action. Consult your local pest control advisor or extension office for details. If resistance to this product develops in your area, it may not provide adequate control. If you experience difficulty with control, and resistance is a likely cause, consult your local Syngenta Crop Protection representative or local agricultural authorities for the best alternative method of control. Syngenta encourages responsible product stewardship to ensure effective long-term control of the insect pests on this label.

**Spray Equipment**

- Use sufficient water to provide thorough, uniform coverage.
- Use sprayer nozzles that provide accurate, uniform application.
- Calibrate sprayer to insure delivery of adequate spray volume per unit area.
- To avoid spray drift, do not apply when conditions favor drift beyond the target area.
- Avoid spray overlap, as crop injury may occur.

**Mixing Procedures**

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

**Endeavor Alone:** Add 1/2 of the required amount of water to the mix tank. With the agitator running, add the Endeavor to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the Endeavor has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

**Endeavor + Tank Mixtures:** Endeavor is compatible with most insecticide and fungicide products. However, the physical compatibility of Endeavor with tank mix partners should be tested before use. To determine the physical compatibility of Endeavor with other products, use a jar test.

Using a 1 1/2 qt. jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

If mixture is physically compatible, add 1/2 of the required amount of water to the mix tank. Start the agitator before adding any tank mix partners. Add products in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables) such as Endeavor, liquid flowables, liquids, and emulsifiable concentrates.

Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

**Note:** If using Endeavor in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank mix partner, including Endeavor. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

If using Endeavor in a tank mixture, observe all directions for use, crop/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label. No label dosage rate should be exceeded, and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product which prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are labeled.

**Chemigation**

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

**Application Directions**

When target pests appear and conditions do not favor drift beyond the target area, apply foliar spray mixture uniformly to all plant surfaces, particularly the stem and leaf undersides, to point of runoff. Avoid spray overlap that could cause phytotoxicity. Use the following rates and retreatment intervals.

Pests	Type of Application and Sites	Application Rates for Endeavor	Retreatment Intervals
Whiteflies, including: Silverleaf Whitefly ( <i>Bermisia argentifolii</i> ) Greenhouse Whitefly ( <i>Trialeurodes vaporariorum</i> )	Ground Foliar Spray	2.5-5.0 oz./100 gals. of water	7 days – severe insect pressure
	Ornamentals	Maximum rate of 10 oz./acre	14 days – normal insect pressure
Aphids, including: Green Peach Aphid ( <i>Myzus persica</i> ) Melon Aphid ( <i>Aphis gossypii</i> )			

**Note:** On hard to wet plants, add a nonionic or organosilicone-based surfactant to improve coverage. Follow product's use directions and rate recommendations.

**Restrictions**

Do not apply more than 10 oz. per acre per application.

For outdoor use, do not apply more than 48 oz. per acre per year.

For indoor use, do not apply more than 100 oz. per acre per year.

**In CA only:** For indoor use, do not apply more than 48 oz. per acre per year.

**STORAGE AND DISPOSAL**

**Storage**

Store in a cool, dry place. Product is hygroscopic. Keep the container tightly closed.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

**Pesticide Disposal**

Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be used according to label instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

**Container Disposal**

Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION**

Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

<b>FIRST AID</b>	
Have container or label when seeking treatment advice.	
<b>If product:</b>	<b>Then:</b>
<b>Gets on skin</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center, doctor, or 1-800-888-8372 for treatment advice.</li> </ul>
<b>Gets in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 5 minutes.</li> <li>• Remove contact lenses if present.</li> <li>• Continue to rinse eyes for 10-15 minutes.</li> <li>• Call a poison control center, doctor, or 1-800-888-8372 for treatment advice.</li> </ul>
<b>Note to Doctor</b>	• If ingested, induce emesis or lavage stomach. Treat symptomatically.

**Personal Protective Equipment**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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 Control Statements**

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.

6/6

**Environmental Hazards**

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 water.

Endeavor™ trademark of Syngenta  
U.S. Patent No. 5,153,200

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Product of Switzerland  
Formulated in the USA

Syngenta Crop Protection, Inc.  
Turf and Ornamental Products  
Greensboro, North Carolina 27409  
www.syngenta-us.com

SCP 913B-L1C 0201



This booklet manufactured using post-consumer, recycled paper.

**Endeavor™  
INSECTICIDE**

For control of aphids and whiteflies on landscape ornamentals, field grown ornamentals, container grown ornamentals, nonbearing fruit and nut trees in nurseries, Christmas trees, ground covers, and ornamental plants in greenhouses, lath and shadehouses, and interiorscapes

Active Ingredient:	
Pymetrozine (CAS No. 123312-89-0) . . .	50.0%
Other Ingredients:	50.0%
Total:	100.0%

Endeavor is a water-dispersible granule.  
EPA Reg. No. 100-913  
EPA Est. 67545-AZ-1  
For Professional Use Only  
Endeavor™ trademark of Syngenta  
U.S. Patent No. 5,153,200  
©2001 Syngenta  
Syngenta Crop Protection, Inc.  
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Greensboro, NC 27409  
www.syngenta-us.com  
SCP 913B-L1C 0201

**6 x 2.5 OUNCE  
PACKETS**

**15 OUNCES**  
TOTAL NET WEIGHT PER BOX  
U.S. Standard Measure

See Directions for Use in attached booklet.

**AGRICULTURAL USE REQUIREMENTS**  
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**KEEP OUT OF REACH OF CHILDREN.  
CAUTION**

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**  
Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

**FIRST AID**

Have container or label when seeking treatment advice.  
If product gets on skin, then: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center, doctor, or 1-800-888-8372 for treatment advice.

If product gets in eyes, then: Hold eye open and rinse slowly and gently with water for 5 minutes. Remove contact lenses if present. Continue to rinse eyes for 10-15 minutes. Call a poison control center, doctor, or 1-800-888-8372 for treatment advice.

**Note to Doctor:** If ingested, induce emesis or lavage stomach. Treat symptomatically.

**Environmental Hazards**

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 water.

**Storage**

Store in a cool, dry place. Product is hygroscopic. Keep the container tightly closed.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

**Chemigation**

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

