

100-955

8-15-2003

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 <b>NOTIFICATION</b>
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**Application for Pesticide - Section I**

1. Company/Product Number 100-955	2. EPA Product Manager Dan Kenny	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Flagship 25 WG	PM# 04	
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. <b>Expedited Review.</b> 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 _____
<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.

**NOTIFICATION**

**AUG 15 2003**

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

Addition of pests per PR Notice 98-10,  
 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.

**Section - III**

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

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Fred J. Pearson	Title NAFTA Insecticide Team Leader	Telephone No. (Include Area Code) 1-336-632-2365
<b>Certification</b>		6. Date Application Received (Stamped)
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.		
2. Signature 	3. Title NAFTA Insecticide Team Leader	
4. Typed Name Fred J. Pearson	5. Date August 11, 2003	

(Booklet)  
(printed bag)

Flagship™ 25WG

**NOTIFICATION**

Insecticide

**AUG 15 2003**

For foliar and systemic control of insect pests on ornamental plants grown in greenhouses, lath and shadehouses, containers, field nurseries (including non-bearing fruit and nut trees) and on Christmas trees

Active Ingredient:

Thiamethoxam (CAS No. 153719-23-4) ..... 25.0%

Other Ingredients: ..... 75.0%

Total: ..... 100.0%

Flagship™ 25WG is a water-dispersible granule that contains 4 oz. of active ingredient per lb. of formulated product.

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

See additional precautionary statements and directions for use in booklet. (8 oz.)  
See additional precautionary statements and directions for use on bag. (25 lb.)

EPA Reg. 100-955

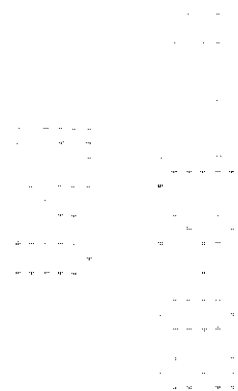
EPA Est.

Product of Austria  
Formulated in the USA

SCP 955A-L1(Notif 8-8-03)          8 oz. booklet  
SCP 955A-L2(Notif 8-8-03)          25 lb. bag

8 ounces  
Net Weight

25 pounds  
Net Weight



<b>FIRST AID</b>	
<b>If on skin or clothing</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 or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
There is no specific antidote if Flagship 25WG is ingested. Induce emesis or lavage stomach. Treat symptomatically.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOT LINE NUMBER</b>	
For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call <b>1-800-888-8372</b>	

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION**

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

### **Personal Protective Equipment**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material – Category A (e.g., barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton).
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist 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.

### **Environmental Hazards**

This pesticide is toxic to wildlife and highly toxic to aquatic invertebrates. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops. Do not apply this product or allow it to drift to blooming crops if bees are visiting the treatment area.

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

- **Surface Water Advisory**

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for

contamination of water from rainfall runoff (See manual at the following internet address: <http://www.wcc.nrcs.usda.gov/pestmgmt/core4.html>).

Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

- **Ground Water Advisory**

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

This product is toxic to bees exposed to direct treatment or residues on blooming crops and weeds. Do not apply this product or allow it to drift on to blooming plants if bees are visiting the treated area.

- **Spray Drift Advisory**

Do not allow this product to drift.

**Physical or Chemical Hazards**

Do not use, pour, spill or store near heat or open flame.

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**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

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**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 Limitation 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:

- Coveralls
- Chemical-resistant gloves made of any waterproof material – Category A (e.g., barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton).
- 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.**

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**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR INSECT CONTROL, AND/OR ILLEGAL RESIDUES.**

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**STORAGE AND DISPOSAL**

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

**Storage**

Store in a cool, dry place.

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.

**Pesticide 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 (8 oz.)**

Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of by depositing in a sanitary landfill, or by other procedures allowed by state and local authorities.

**Container Disposal (25 lb. bag)**

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by other procedures allowed by state and local authorities.

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**GENERAL INFORMATION**

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Flagship 25WG is a broad-spectrum insecticide that is effective when applied at label rates to the foliage and soil. Flagship 25WG is active against many sucking and chewing insect pests by contact and ingestion. Flagship 25WG is relatively short-lived on the surface of plant foliage, readily absorbed into plant tissues, and rainfast once it has dried. The rapid translaminar absorption and distribution within leaves provides excellent knockdown and residual control of foliar feeding insects. In the soil, the active ingredient in Flagship 25WG will control soil pests upon contact or ingestion and is also readily taken up by plant roots. The active ingredient moves upwards in the plant to the site of pest infestation. Through feeding on the plant, pests are exposed to the active ingredient in Flagship 25WG. Feeding will stop within minutes to hours of exposure and be followed by death of the pest. The moderate persistence of Flagship 25WG in the



soil and foliage also provides residual control of labeled pests. Flagship 25WG is not active as an ovicide or as an insect growth regulator. Because residues on leaf surfaces are quickly degraded, Flagship 25WG is compatible with beneficial arthropods.

Flagship 25WG can be applied to ornamental plants grown in greenhouses, lath and shadehouses, containers, field nurseries (including non-bearing fruit and nut trees) and Christmas trees.

### **Resistance Management**

Flagship 25WG belongs to the neonicotinoid class of chemistry, which is not known to be cross-resistant to any other class of insecticide. However, insect pests are known to develop resistance to products used repeatedly. Because resistance development cannot be predicted, the use of Flagship 25WG should conform to sound resistance management strategies established for the crop and use area. Strategies should minimally include rotation of chemicals with different modes of action, limitation of the number of successive generations of the target pest being treated with the same compound, and adherence to labeled directions.

Consult your local pest control advisor or extension office for additional methods for preventing resistance development. Syngenta encourages responsible product stewardship to ensure effective long-term control of the insect pests on this label.

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## **APPLICATION PROCEDURES**

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Flagship 25WG is effective at labeled rates when applied to the foliage or growing medium of ornamental plants.

### **Foliar Applications**

Make foliar applications in an adequate water volume to achieve thorough and uniform coverage without excessive runoff (to drip). On hard to wet plants, spray adjuvants that improve wetting of foliage are recommended. Do not use spray adjuvants that may bind Flagship 25WG to the leaf surface, which would limit absorption into the foliage. Flagship 25WG can be applied in a range of spray volumes (concentrate to dilute spray volumes) provided thorough and uniform coverage is obtained. For concentrate sprays (i.e., ULV, foggers, air assist equipment), apply the same amount of Flagship 25WG per unit area as would be used in a dilute spray volume over the same area.

### **Soil or Soil-less Medium Applications**

Flagship 25WG is effective as a soil and systemic insecticide when applied to the soil using banded or drench spray applications. As a banded application use sufficient water volume (1.5 - 5 gals./1000 sq. ft.) to uniformly distribute Flagship 25WG at the labeled rate over the area being treated. Flagship 25WG can also be applied as a partial drench (1/3 of a full drench water volume), wetting only the upper portion of the growing media. With irrigation or rainfall, move Flagship 25WG into the root zone of plants or the location of soil-dwelling pests. Watering-in should occur within 3 days of treatment and optimally within 24 hours. Excessive watering may reduce the effectiveness of Flagship

25WG. Allow a minimum of 7 days after watering-in for maximum uptake of Flagship 25WG by the plant's root system.

### **Individual Mound Treatments**

For control of fire ants (*Solenopsis* spp.) prepare a drench solution at a concentration of 1-3 oz. of Flagship 25WG per 10 gal. of water. Thoroughly mix solution and apply directly to mounds. For optimum control of small ant mounds (<6 inches in diameter at the surface) apply 1 gal. of drench solution per mound. For optimum control of larger ant mounds, apply 2-3 gal. of the drench solution per mound. The drench application should be directed at the center of the mound and include a 6 inch diameter circle around the center of the mound. Do not apply less than 0.5 gal. or more than 3 gal. of insecticide solution per ant mound.

### **Application Through Irrigation Systems**

Flagship 25WG may be applied only through micro-irrigation systems (for example, drip, trickle, spaghetti tubes, and micro-sprinklers). Do not apply this product through any other type of irrigation equipment. Allow a minimum of 7 days after watering-in for maximum uptake of Flagship 25WG by the plant's root system. See additional precautions regarding irrigation system application below.

### **Application Timing**

Begin foliar applications when labeled pests first appear or when economic thresholds have been reached. Repeat applications as necessary to maintain control, but no sooner than every 7 days and do not exceed a total of 8 oz./A/crop or year, whichever is shorter.

For applications made to growing media (soil or soil-less media), Flagship 25WG must move to the feeding site of the target pest, whether this is in the root zone or the above ground portion of the host plant. Therefore, control of pests from the systemic activity of Flagship 25WG may be delayed for 1 or more weeks depending on plant size, rate of uptake from the soil or rate of translocation within the plant, etc. Systemic activity in large plants such as those in field nurseries or Christmas tree plantations may require several weeks to months before control of stem and foliar pests is achieved. If economic thresholds for target pests are low, or plants are historically damaged, Flagship 25WG should be applied preventively (before pests are evident) to the growing media. Repeat applications of Flagship 25WG as needed, but no sooner than every 7 days and do not exceed a total of 8 oz./A/crop or year, whichever is shorter.

Flagship 25WG is effective against white grubs when the labeled rate is banded over the active root zone. Apply Flagship 25WG from peak adult flight through peak egg hatch of the primary species being targeted.

For control of fire ants, make a single application when mounds appear to be active.

## Chemigation

### General Directions FOR ALL RECOMMENDED TYPES OF IRRIGATION SYSTEMS

**Uniform Water Distribution and System Calibration:** The irrigation system must provide uniform distribution of treated water. Plant injury, lack of effectiveness, or illegal pesticide residues in the plant can result from non-uniform distribution of treated water.

The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

**Chemigation Monitoring:** A person knowledgeable of the Chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

**Required System Safety Devices:** The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

**Using Water from Public Water Systems:** DO NOT APPLY Flagship 25WG THROUGH ANY IRRIGATION SYSTEM PHYSICALLY CONNECTED TO A PUBLIC WATER SYSTEM. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Flagship 25WG may be applied through irrigation systems which may be **supplied** by a public water system **only if** the water from the public water system is discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and to top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. Before beginning chemigation;

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always make sure that the air gap exists and that there is no blockage of the overflow of the reservoir tank. The pesticide injection pipeline must contain a functional automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

**Restrictions:**

- Do not apply this product through overhead (sprinklers, mist, fog) and subsurface irrigation.
- Do not exceed 8 oz. (0.125 lbs. a.i.) of product/A/crop or year, whichever is shorter.

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**MIXING PROCEDURES**

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Prepare only the amount of spray mixture that is needed for the immediate application. 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.

**Flagship 25WG Alone**

Add 1/2 of the required amount of water to the mix tank. With the agitator running, add the Flagship 25WG to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the Flagship 25WG has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

**Tank Mixes**

Flagship 25WG is compatible with many other commonly used insecticides, fungicides, liquid fertilizers. Check compatibility before tank mixing. Among container-grown ornamentals and ornamentals grown in planting or liner beds, some plant species may be sensitive to fertilizers, and thus it is not recommended to tank mix Flagship 25WG with fertilizers for treatment of these plants grown under these conditions.

**Flagship 25WG + Tank Mixtures**

Add 1/2 of the required amount of water to the mix tank. Start the agitator running before adding any tank mix partners. In general tank mix partners should be added in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables) such as Flagship 25WG, 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 the mixture has been applied.

**Note:** When using Flagship 25WG in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank mix partner, including Flagship 25WG. 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 Flagship 25WG 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.

**Compatibility**

Flagship 25WG is compatible with most insecticide, fungicide, and foliar nutrients products. However, the physical compatibility of Flagship 25WG with tank-mix partners should be tested before use. To determine the physical compatibility of Flagship 25WG with other products, use a jar test, as described below.

Using a quart 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.

**Plant Safety**

Flagship 25WG is safe on most ornamental plants. To determine the plant safety of mixtures of Flagship 25WG with other products, or if you do not have experience with a particular tank mix or with Flagship 25WG applied alone to a particular plant, test Flagship 25WG or the mixture on a small number of plants to determine any adverse plant safety effects before making large scale applications to a greater number of plants.

**SPECIFIC USE DIRECTIONS**

**Recommendations for Foliar Applications to Ornamental Plants**

For plants grown in greenhouses, lath and shadehouses, containers, field nurseries (including non-bearing fruit and nut trees), and as Christmas trees.

Pests	Dosage of Flagship 25WG	Remarks
Aphids Lace bugs (eg. Azalea, Hawthorne) Whiteflies Mealybugs Soft Scales (eg. Fletcher Scale, Cottony Cushion Scale) Sawflies (European, Pear)	2-4 oz./100 gal. or 4-8 oz./A	<b>Timing:</b> Make the first application when economic action levels for the target pest are reached. For crops without action levels, make the first application before pest populations cause significant damage to the host plant. Re-apply as needed but no sooner than every 7 days.  For concentrated spray volumes, apply the same amount of product per unit area as would be applied with dilute spray volumes.
Leafhoppers Plant bug Honeylocust, pod gall Hemlock Woolly Adelgid Nipple gall and blister gall	4.0 oz./100 gal. or 8 oz./A	For gall makers, apply during egg laying of the generation being targeted. For leafhoppers, plant bugs, and aphids make the application when populations are first observed.  For concentrated spray volumes, apply the same amount of product per unit area as would be applied with dilute spray volumes

**Note:** Do not exceed 8 oz./A/crop or year, whichever is shorter, when making applications to ornamentals.

For specific information about developmental stages of the target pest, associated damage and action thresholds to properly time applications, consult with your State Cooperative Extension Service.

**Recommendations for Applications to Soil or other Growing Media of Ornamental Plants**  
 For plants grown in greenhouses, lath and shadehouses, containers, field nurseries (including non-bearing fruit and nut trees), and as Christmas trees

Pests	Dosage of Flagship 25WG	Remarks
Aphids Fungus gnats Whiteflies Mealybugs	<b>Broadcast, Partial Drench or Chemigation*</b> 8 oz./A or 0.9 oz./ 5000 sq. ft.	Apply to the soil or growing media preventively in situations where tolerance of insects or damage is low. Allow a minimum of 1 week for smaller plants and at least 2 weeks for large plants (typically found in nurseries, Christmas tree plantations) to translocate Flagship 25WG to feeding sites of the target pest.  <b>*Minimum Water Volumes:</b>  <u>Broadcast</u> - 1.5 gal. of water/1000 sq. ft.  <u>Partial Drench (1/3 of full drench water volume) and Chemigation</u> - 150 gal./A or approx. 17 gal./5000 sq. ft.  Note: Allow a minimum of 7 days after watering-in for maximum uptake of Flagship 25WG by the plant's root system.
<b>Larvae (Grubs) of:</b> Japanese beetle ( <i>Popillia japonica</i> ) Northern masked chafer Southern masked chafer European chafer ( <i>Rhizotrogus majalis</i> ) May or June beetle ( <i>Maladera castanea</i> ) Oriental beetle ( <i>Exomala orientalis</i> ) Green June beetle Black turfgrass atenioides <i>Aphodius</i> spp.	<b>Banded*</b> 8 oz./A  See <b>Banded Application Rate Chart</b> below	Apply from adult flight through peak hatch of the targeted species. Apply as a band application over the row or active root zone.  <b>*Minimum Water Volumes:</b>  <u>Banded</u> - 1.5 gal. of water/1000 sq. ft.  Note: If leaching, allow a minimum of 7 days after watering-in for maximum uptake of Flagship 25WG by the plant's root system.
Fire Ants ( <i>Solenopsis</i> spp.)	1-3 oz./10 gal.	<u>Individual Mound Treatment:</u> For small mounds (<6 inch in diameter) apply 1 gal. of water per mound and for larger mounds apply 2-3 gal. per mound for optimum control. Do not apply less than 0.5 or more than 3 gal. per mound.

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**Note:** Do not exceed 8 oz./A./crop or year, whichever is shorter, when making applications to ornamentals.

For specific information about developmental stages of the target pest, associated damage, and action thresholds to properly time applications, consult with your State Cooperative Extension Service.

Please refer to additional comments under **GENERAL INFORMATION** section relating to ornamental applications to soil and related irrigation events.

**Banded Application Rate Chart:** Flagship conversion chart for linear application to control white grubs and other pests in nursery and Christmas tree sites

Rate/A	Rate in ounces of product per 1000 linear foot for specified row spacing (feet) and rate per acre											Lb ai./A
	3	4	4.5	5	6	7	8	9	10	11	12	
8 oz./A	0.55	0.73	0.83	0.92	1.10	1.29	1.47	1.65	1.84	2.02	2.20	0.125

Apply in a minimum water volume of 2 gal./1000 linear ft.

Flagship™ 25WG and the Syngenta logo are trademarks of a Syngenta Group Company

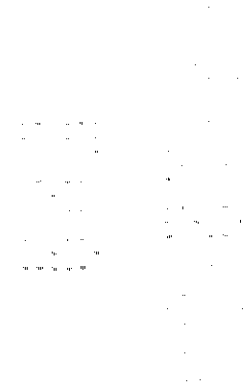
U.S. Patent No. \_\_\_\_\_

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For non-emergency (e.g., current product information), call Syngenta Crop Protection at 1-800-334-9481.

Syngenta Crop Protection, Inc.  
Greensboro, North Carolina 27409  
[www.syngenta-us.com](http://www.syngenta-us.com)

SCP 955A-L1(Notif 8-8-03)	8 oz. booklet
SCP 955A-L2(Notif 8-8-03)	25 lb. bag





11 82

(Base Label)  
(8 oz.)

Flagship™ 25WG

Insecticide

For foliar and systemic control of insect pests on ornamental plants grown in greenhouses, lath and shadehouses, containers, field nurseries (including non-bearing fruit and nut trees) and on Christmas trees

Active Ingredient:	
Thiamethoxam (CAS No. 153719-23-4).....	25.0%
Other Ingredients:	75.0%
Total:	100.0%

Flagship™ 25WG is a water-dispersible granule that contains 4 oz. of active ingredient per lb. of formulated product.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements and directions for use in 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.**

**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 product agricultural plants on farms, forests, nurseries, or greenhouses.

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

EPA Reg. 100-955

EPA Est.

SCP 955A-L1(Notif 8-8-03)

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8 ounces  
Net Weight

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

**CAUTION**

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

<b>FIRST AID</b>	
<b>If on skin or clothing</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 or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
There is no specific antidote if Flagship 25WG is ingested. Induce emesis or lavage stomach. Treat symptomatically.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOT LINE NUMBER</b>	
For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident): Call <b>1-800-888-8372</b>	

## **Environmental Hazards**

This pesticide is toxic to wildlife and highly toxic to aquatic invertebrates. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops. Do not apply this product or allow it to drift to blooming crops if bees are visiting the treatment area.

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

- **Surface Water Advisory**

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff (See manual at the following internet address: <http://www.wcc.nrcs.usda.gov/pestmgmt/core4.html>).

Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

- **Ground Water Advisory**

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

This product is toxic to bees exposed to direct treatment or residues on blooming crops and weeds. Do not apply this product or allow it to drift on to blooming plants if bees are visiting the treated area.

- **Spray Drift Advisory**

Do not allow this product to drift.

## **Container Disposal**

Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of by depositing in a sanitary landfill, or by other procedures allowed by state and local authorities.

For minor spills, leaks, etc., follow 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.

Flagship™ 25WG and the Syngenta logo are trademarks of a Syngenta Group Company

U.S. Patent No.

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SCP 955A-L1(Notif 8-8-03)

FLA955A-L(Notif 8-8-03) – lg – 08-08-03

**Chron**

Draft – Novartis

Draft B – Syngenta

Draft C – Revised Environmental Hazards and minor reformatting to Storage and Disposal section, revised order of First Aid statement per discussions with EPA, revised buffer book internet address.

7/31/03 – Accepted. Used referral statements on base label for production, due to size restraints.

8/8/03 – Notif addition of pest

00-02



**FEDERAL EXPRESS**

August 8, 2003

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504C)  
U.S. Environmental Protection Agency  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington VA 22202

Dear EPA:

Subject: **Flagship™ 25WG Insecticide**  
**EPA File Symbol 100-955**  
**Notification per PR Notice 98-10 (II)(B):**  
**Addition of Pests**

Syngenta Crop Protection, Inc. herein submits via notification the addition of pests to the subject label per PR Notice 98-10.

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 labelling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to wilfully 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.

In support of this notification submission, please find enclosed:

- This cover letter
- EPA Form 8570-1, completed for Notification
- One copy of labelling with changes clearly marked.

We trust that you will find this submission in order; however, should there be any questions, please contact me at 336.632.2365.

Sincerely,

Fred J. Pearson  
Regulatory Team Leader – NAFTA Insecticides  
Syngenta Crop Protection, Inc.