

100-960

2/23/2007

1 of 14



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

100-960

Date of Issuance:

Term of Issuance: **Conditional**

Name of Pesticide Product:

Flagship 0.22G

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Mr. Fred J. Pearson
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419-8300

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.
Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A). Once a pesticide is registered, however, it is not regarded as permanently acceptable. Registration does not eliminate the need for continual reassessment of pesticides. If the Agency determines that, at any time, additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under FIFRA section (3)(c)(2)(B).

- 1. Revise the EPA Registration Number to read, EPA Reg. No. 100-960".

Signature of Approving Official:

Dani Daniel
Insecticide-Rodenticide Branch
Registration Division (7505P)

Date:

FEB 23 2007

Page Two
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2. Under **Personal Protective Equipment** add to the applicators and handlers must wear list **“Protective eye wear”**.

3. Also on page 5 under **Agricultural Use Requirements** add “Wear protective eyewear”.

4. On page 4 make the following changes to the **Limitation of Warranty**

- Change the word **“should”** to the word **“must”** in the first sentence of the second paragraph.

- Add **“To the extent consistent with applicable law”** at the beginning of **“Syngenta makes no warranties of merchantability ...”**

- Add **“To the extent consistent with applicable law”** at the beginning of **“The exclusive remedy of the user of buyer, and the exclusive liability ...”**

5. Submit to the Agency the required one year storage stability (830.6317) and Corrosion characteristics study (830.6320) for the proposed product. It is recommended that the observations are made at 0, 3, 6, 9 and 12 months intervals.

6. Submit two copies of your final printed labeling before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sect. 6(e). Your release for shipment of the product constitute acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this notice, please contact me at (703) 305-5409.

Enclosure:

30e14

(booklet)

Flagship® 0.22G

Insecticide

Group	4A	Insecticide
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For systemic control of insect pests on ornamental plants grown in greenhouses, lath- and shade-houses, containers, field nurseries (including non-bearing fruit and nut trees) and on Christmas trees.

Active Ingredient:	
Thiamethoxam ¹	0.22%
Other Ingredients:	99.78%
Total:	100.0%

¹ CAS No. 153719-23-4

Flagship 0.22G is a granule that contains 0.035 ounces of active ingredient per pound of formulated product.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use in booklet.

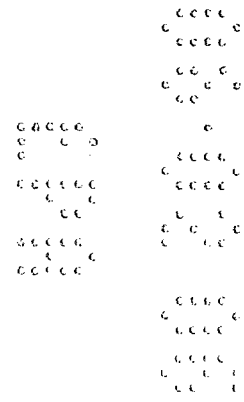
EPA Reg. No. 100-xxxxx

EPA Est. xxxxx

Product of xxxxx
Formulated in the USA

SCP xxxxx(draft-Flagship 0.22G rev b)

Net weight



ACCEPTED
with COMMENTS
In EPA Letter Dated:
FEB 23 2007

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under EPA Reg. No.
100-960

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

Personal Protection 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, 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

Do not apply directly to water, or to areas where surface water is present, or to inter-tidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

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 Limitation of Warranty and 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, 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 application is complete.

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

GENERAL INFORMATION

Flagship 0.22G is a broad spectrum insecticide when applied at label rates to the growing media of ornamental plants. It is systemically active against certain foliar (sucking and chewing) and soil pests. Rainfall or irrigation causes the active ingredient of Flagship 0.22G to be released from the granule. Once released, it is readily absorbed by plant foliage or carried into the soil. In the soil, the active ingredient in Flagship 0.22G will control soil pests upon contact or ingestion of the active ingredient 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 0.22G. Feeding will stop within minutes to hours of exposure and be followed by death of the pest. The moderate persistence of Flagship 0.22G in the soil and foliage also provides long residual control of labeled pests. Flagship 0.22G is not active as an ovicide or as an insect growth regulator.

Restrictions:

- Do not exceed 120 pounds (0.265 lb. ai.) of product per acre per year, whichever is shorter.
- Do not distribute Flagship 0.22G from the palm of the hand.

Resistance Management

Flagship 0.22G belongs to the neonicotinoid class of chemistry (Group 4A Insecticide) 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 0.22G should conform to sound resistance management strategies established for the crop and use area. Strategies should 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.

Sites of Application

Flagship 0.22G can be applied to ornamental plants grown in greenhouses, lath- and shade-houses, containers, field nurseries (including non-bearing fruit and nut trees), and Christmas trees.

Application Methods

Flagship 0.22G is effective as systemic insecticide when applied to the soil using broadcast or banded applications. To apply, use calibrated granular equipment that uniformly broadcasts or bands Flagship 0.22G into the desired area. With irrigation or rainfall, move Flagship 0.22G 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 or leaching may reduce the effectiveness of Flagship 0.22G. If leaching, allow a minimum of 7 days after watering-in for maximum uptake of Flagship 0.22G by the plant's root system.

Application Timing

Flagship 0.22G must move to the site of pest infestation, such as in the root zone or the aboveground portion of the host plant. After watering-in Flagship 0.22G is readily taken-up by the roots and moves upwards in the plant to feeding sites of pests. Systemic activity of Flagship 0.22G may be delayed for one or more weeks depending on plant size, rate of uptake from the soil and rate of translocation within the plant. Systemic activity in large plants may require several weeks before control of stem and foliar pests is achieved. If economic thresholds for target pests are low, or plants are historically damaged, Flagship 0.22G should be applied preventively (before pests are evident) to the growing media.

Repeat applications of Flagship 0.22G as needed, but no sooner than every 7 days and do not exceed a total of 120 pounds per acre per year, whichever is shorter.

Flagship 0.22G is effective at labeled rates when applied as a preventive and curative treatment against white grubs. As a preventive treatment, Flagship 0.22G may be applied up to 45 days before the historical peak of adult flight for the targeted species. As a curative grub treatment, make the application from egg hatch to 2nd instar (grubs less than half their full size). For optimum white grub control, apply Flagship 0.22G from peak adult flight through peak egg hatch of the primary species being targeted.

Recommendations for Applications to Soil or other Growing Media of Ornamental Plants

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

Pests	Dosage of Flagship 0.22G	Remarks
Aphids Mealybugs Whiteflies	40 - 120 lb./A or 4.8 - 13.8 lb./5,000 sq. ft.	Apply to the soil or growing media preventively in situations where tolerance of insects or damage is low. Allow a minimum of one week for smaller plants and at least two weeks for large plants (typically found in nurseries, Christmas tree plantations) to translocate Flagship 0.22G to feeding sites of the target pest. Note: If leaching, allow a minimum of 7 days after watering-in for maximum uptake of Flagship 0.22G by the plant's root system.
Larvae (grubs) of: Japanese beetle <i>(Popillia japonica)</i> European chafer <i>(Rhizotrogus majalis)</i> May or June beetle <i>(Phyllophaga species)</i> Asiatic garden beetle <i>(Maladera castanea)</i> Oriental beetle <i>(Exomala orientalis)</i>	90 - 120 lb./A or 10.6 - 13.8 lb./5,000 sq. ft.	Application timing: Apply up to 45 days before the historical peak of adult flight to 2 nd instar grub of the species being targeted. For optimum control, treat from peak flight to peak egg hatch. Note: If leaching, wait a minimum of 7 days after water-in for maximum uptake of Flagship 0.22G by the plant's root system.

Note: Do not exceed 120 pounds per acre per 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.

STORAGE AND DISPOSAL

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. In the event of a major spill, fire, or other emergency call 1-800-888-8372, day or night.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of unused pesticide 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 the bag into granular application equipment. Then dispose of the empty bag by depositing in a sanitary landfill, or by other procedures allowed by state and local ordinances.

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For non-emergency (e.g., current product information), call Syngenta Crop Protection at 1-800-334-9481.
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Manufactured for:
Syngenta Crop Protection, Inc.
Greensboro, North Carolina 27409
www.syngenta-us.com

SCP xxxxx-L(draft-Flagship 0.22G rev b)

Flagship 0.22G (draft-b)-lg-6-2-06 000100-xxxxx.19991014b.Flagship22G.pdf

(non-detachable container label)

Flagship® 0.22G

Insecticide

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

Active Ingredient:	
Thiamethoxam ¹	0.22%
Other Ingredients:	99.78%
Total:	100.0%

¹ CAS No. 153719-23-4

Flagship 0.22G is a granule that contains 0.05 ounces of active ingredient per pound of formulated product.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-xxxxx

EPA Est. xxxxx

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 application is complete.

SCP xxxxx-L(draft-Flagship 0.22G rev b)

Net weight

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p align="center">HOT LINE NUMBER</p> <p align="center">For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372</p>	

Environmental Hazards

Do not apply directly to water, or to areas where surface water is present, or to inter-tidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

STORAGE AND DISPOSAL

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. In the event of a major spill, fire, or other emergency call 1-800-888-8372, day or night.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of unused pesticide 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 the bag into granular application equipment. Then dispose of the empty bag by depositing in a sanitary landfill, or by other procedures allowed by state and local ordinances.

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Manufactured for:
Syngenta Crop Protection, Inc.
Greensboro, North Carolina 27409
www.syngenta-us.com

SCPxxxxx-L(draft-Flagship 0.22G rev b)

Flagship 0.22G(draft-b)-lg-6-2-06 000100-xxxxx.19991014b.Flagship22G.pdf