

100-960

10/6/2010

1 of 10



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Timothy E. Wilson
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419

OCT 6 2010

Dear Mr. Wilson:

Subject: Labeling Amendment; General Revisions/Corrections
Flagship 0.22G
EPA Registration No. 100-960
Submission Date: October 6, 2010

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment. If you have any questions regarding this label, please contact Kable Bo Davis at (703) 306-0415 or davis.kable@epa.gov.

Sincerely yours,

A handwritten signature in cursive script that reads "Venus Eagle".

Venus Eagle
Product Manager (01)
Insecticide-Rodenticide Branch
Registration Division (7505P)

Enclosure- Stamped Label

2 of 10

(printed bag)

Sale, use and distribution of this product in Nassau and Suffolk counties in the state of New York is prohibited.

Flagship® 0.22G

Insecticide

Group	4A	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:	100.00%

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 on bag.

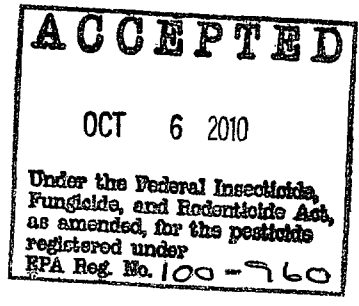
EPA Reg. No. 100-960

EPA Est. xxxxx
Product of xxxxx

Formulated in the USA

SCP 960A-L(draft)

Net weight



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>HOT LINE NUMBER</p> <p>For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372</p>	

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, using tobacco, or using the toilet. 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
- Protective eyewear

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 or 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

This pesticide is toxic to wildlife and highly toxic to aquatic invertebrates. This product is highly toxic to bees exposed to direct treatment on blooming crops. Do not apply this product or allow it to drift to blooming crops while bees are foraging in/or adjacent to the treatment area.

For terrestrial uses: 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. 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 washwaters.

- **Surface Water Advisory**

This product may impact surface water quality due to spray drift and runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via run off for several months or more after application. 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 loading of thiamethoxam water from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours. (See manual at the following internet address: <http://www.wsi.nrcs.usda.gov/products/W2Q/pest/core4.html>).

- **Ground Water Advisory**

Thiamethoxam has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

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 must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, 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. To the extent permitted by applicable law 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. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.**

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, 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.

RESTRICTIONS

- This product is classified as restricted use in New York State.
- Sale, use and distribution of this product in Nassau and Suffolk counties in the state of New York is prohibited.
- In New York State, use is limited to Christmas trees and indoor greenhouse use only.

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
- Protective eyewear

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.

USE 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 crop or 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. Water-in 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. Apply Flagship 0.22G preventively (before pests are evident) to the growing media if economic thresholds for target pests are low, or plants are historically damaged.

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 crop or year, whichever is shorter.

Flagship 0.22G is effective at labeled rates when applied to prevent and control white grubs. As a preventive treatment, apply Flagship 0.22G up to 45 days before the historical peak of adult flight for the targeted species. To control grubs, 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.

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.
- In New York State, use is limited to Christmas trees and indoor greenhouse use only.

Pests	Dosage of Flagship 0.22G	Remarks
<p>Aphids</p> <p>Mealybugs</p> <p>Whiteflies</p>	<p>40 - 120 lb./A or 4.8 - 13.8 lb./5,000 sq. ft.</p>	<p>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.</p> <p>If leaching, allow a minimum of 7 days after watering-in for maximum uptake of Flagship 0.22G by the plant's root system.</p>
<p>Larvae (grubs) of:</p> <p>Asiatic garden beetle <i>(Maladera castanea)</i></p> <p>European chafer <i>(Rhizotrogus majalis)</i></p> <p>Japanese beetle <i>(Popillia japonica)</i></p> <p>May or June beetle <i>(Phyllophaga species)</i></p> <p>Oriental beetle <i>(Exomala orietalis)</i></p>	<p>90 - 120 lb./A or 10.6 - 13.8 lb./5,000 sq. ft.</p>	<p>Application timing:</p> <p>Apply up to 45 days before the historical peak of adult flight to 2nd instar grub of the species being targeted.</p> <p>For optimum control, treat from peak flight to peak egg hatch.</p> <p>If leaching, wait a minimum of 7 days after water-in for maximum uptake of Flagship 0.22G by the plant's root system.</p>

Do not exceed 120 pounds per acre per crop or year, whichever is shorter, when making applications to ornamentals (see **Restrictions** in the **Use Information** section).

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.

Refer to additional comments under **Use 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.

Pesticide 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 Handling

Nonrefillable container. Do not reuse or refill this container. Completely empty the bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill, or by other procedures allowed by state and local ordinances.

Flagship®, the ALLIANCE FRAME, the Syngenta logo, and the PURPOSE ICON are trademarks of a Syngenta Group Company
Viton® is a registered trademark of E.I. DuPont de Nemours and Company
©2010 Syngenta

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

Manufactured for:
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, North Carolina 27419- 8300

SCP 960A-L(draft)