



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

100-1574

Date of Issuance:

9/21/16

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Mainspring Flora GH

Name and Address of Registrant (include ZIP Code):

Ronald E. Hampton, Ph.D.
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, NC 27419

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 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 section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Richard Gebken
Product Manager 10
Invertebrate & Vertebrate Branch 2
Office of Pesticide Programs

Date:

9/21/16

2. You are required to comply with the data requirements described in the DCI identified below:
 - a. Pymetrozine GDCI-101103-1385

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 100-1574."
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 08/31/2015
- Alternate CSF 1 dated 08/31/2015

If you have any questions, please contact Eric Bohnenblust by phone at (703) 347-0426, or via email at Bohnenblust.eric@epa.gov.

Sincerely,



Richard Gebken, Product Manager 10
Invertebrate & Vertebrate Branch 2
Office of Pesticide Programs

Enclosure

Mainspring Flora™ GH

Insecticide

For control of insects on ornamental plants, ornamental bulb, corm and tuber crops, conifers, Christmas trees and non-bearing fruit and nut trees grown in greenhouses and interior plantscapes

Active Ingredients:	
Pymetrozine (CAS No. 123312-89-0):.....	30.0%
Cyantraniliprole (CAS No. 736994-63-1):.....	10.0%
<u>Other Ingredients:</u>	<u>60.0%</u>
Total:	100.0%

Mainspring Flora™ GH is formulated as a water-dispersible granule and contains 0.3 pounds pymetrozine and 0.1 pound cyantraniliprole per pound product.

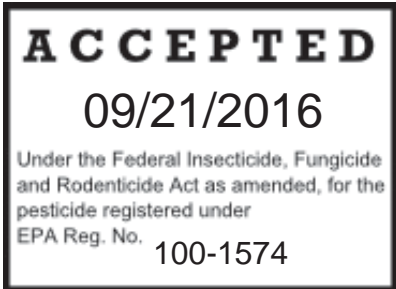
**KEEP OUT OF REACH OF CHILDREN.
CAUTION**

See additional precautionary statements and directions for use [in booklet][on label].

EPA Reg. No. 100-XXXX
EPA Est.

SCP

Net Weight



[Optional marketing statements]

1. [Controls listed chewing and sucking insect pests]
2. [Controls thrips]
3. [Controls whitefly]
4. [Excellent for insecticide resistance management programs]
5. [Excellent choice for IPM programs]
6. [Has both contact and systemic activity]
7. [Systemic activity by foliar or soil application]
8. [Flexible application methods; can be foliar- or soil-applied]
9. [Taken up by the roots and systemically moves through the plant]
10. [Systemically protects plants from labeled insect pests]
11. [Root-absorbed, with systemic movement through plant]
12. [Systemically moves through the plant]
13. [Starts controlling labeled insect pests upon ingestion [contact]]
14. [Insect feeding stops upon ingestion]

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.• 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. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Socks and shoes
- Chemical-resistant gloves made of any waterproof material

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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 disposing of equipment washwater or rinsate.

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This pesticide is toxic to aquatic invertebrates. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops/plants or weeds while bees are foraging in or adjacent to the treatment area.

- **Ground Water Advisory**

Cyantraniliprole may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

Physical or Chemical Hazards

Do not place product near or allow product to come into contact with oxidizing substances (such as potassium permanganate) since a hazardous chemical reaction may occur.

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. 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, LLC 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 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.

Mainspring Flora GH must be used only in accordance with the directions of this label.

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.

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

Use Restrictions

- **DO NOT** apply at rates greater than those listed on this label. See Tables 1 and 2 for specific Use Restrictions.
- **DO NOT** apply through any type of irrigation system.

Use Precautions

- To avoid spray drift, do not apply when conditions favor drift beyond the target area.
- Avoid spray overlap, as crop injury may occur.

USE INFORMATION

Mainspring Flora GH is an insecticide that controls listed insect pests on ornamental plants, ornamental bulb, corm and tuber crops, conifers, Christmas trees and non-bearing fruit and nut trees grown in greenhouses and interior plantscapes.

Mainspring Flora GH is a systemic product that can be applied as a foliar spray. When applied as a foliar spray, the product exhibits translaminar and locally systemic movement and provides residual control of foliar insect pests.

Apply Mainspring Flora GH when pests are first observed and populations are low to prevent targeted insects from building to damaging levels. Mainspring Flora GH has residual activity in the plant and will control insects that move onto the plant after treatment.

Mode of Action

Mainspring Flora GH controls a broad range of chewing and sucking pests. Insecticidal activity is primarily through ingestion which results in paralysis, rapid inhibition of feeding (within hours), and disruption of other key physiological functions. Depending on the individual target pest, mortality usually occurs in two to seven days. While insect pests may still be visible on the plant, they are no longer feeding resulting in less plant injury.

Integrated Pest Management (IPM) Programs

Mainspring Flora GH may be used in an integrated pest management program (IPM) to control ornamental pests. If Mainspring Flora GH is tank-mixed with a product that negatively impacts beneficial arthropods, the full benefit of Mainspring Flora GH to an IPM program may not be realized.

Resistance Management

GROUP 9B 28 INSECTICIDES

Mainspring Flora GH contains pymetrozine, an IRAC GROUP 9B insecticide belonging to a group of compounds of unknown or non-specific mode of action (selective feeding blockers), and cyantraniliprole, an IRAC GROUP 28 insecticide, a member of the anthranilic diamide class of insecticides with a mode of action impacting insect ryanodine receptors.

Some insects are known to develop resistance to products that have been used repeatedly. When this occurs, the label use rates can fail to reduce the pest population below threshold levels. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area. These strategies may include incorporation of cultural and biological control practices, alternation of active classes of insecticides on succeeding generations, and targeting the most susceptible life stage. Syngenta encourages responsible product stewardship to ensure effective long-term control of the insects on this label. Consult your local Cooperative Extension Service specialist or pest control advisor for the latest information on resistance management in your area or crop.

It is recommended to apply Mainspring Flora GH or other Group 28 and 9B insecticides for no more than two consecutive applications unless specified otherwise within the label. Following the application of two consecutive applications of Mainspring Flora GH or another Group 28 and 9B insecticide, rotate to a treatment of effective products with a different mode of action for a similar length of time or longer before reapplying Mainspring Flora GH.

Plant Safety

Mainspring Flora GH has been shown to be safe when applied at the recommended rates to the listed plants. However, due to the large number of genera, species and varieties of ornamental and nursery plants, it is impossible to test every one for tolerance to Mainspring Flora GH. Neither the manufacturer nor the seller has determined whether Mainspring Flora GH can be used safely on genera, species, or varieties of ornamental and nursery plants not specified on this label. The user should conduct small scale testing at the recommended rates to ensure plant safety prior to broad scale commercial use on plant genera, species and varieties not listed in this label.

SPRAY EQUIPMENT

Proper maintenance and calibration of spray equipment are essential for optimal insect pest control. If you have questions about calibration, contact a State Extension Service specialist, the equipment manufacturer, or other experts.

- Use sufficient water to provide thorough, uniform coverage.
- Use sprayer nozzles that provide accurate, uniform application.
- Calibrate sprayer to ensure delivery of adequate spray volume per unit area.

Application Equipment Cleaning

Prior to application, start with clean, well-maintained application equipment. Immediately following application, thoroughly clean all application equipment to reduce the risk of forming hardened deposits that might become difficult to remove. Drain application equipment. Thoroughly rinse application equipment and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean equipment near wells, water sources, or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

MIXING PROCEDURES

Prepare the amount of spray mixture appropriate for the immediate applications. Thoroughly clean spray equipment before using this product. Agitate vigorously 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.

The pH of application mixtures containing Mainspring Flora GH should be adjusted to a pH of 8 or less using a commercially available acidifier. Adjust the pH of application mixtures after all products being applied have been added to the tank and uniformly mixed.

Mainspring Flora GH Alone: Add ½ of the required amount of water to the mix tank. With the agitator running, add the Mainspring Flora GH to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the Mainspring Flora GH has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Mainspring Flora GH in Tank Mixtures: Mainspring Flora GH is compatible with most insecticide and fungicide products. However, the physical compatibility of Mainspring Flora GH with tank mix partners should be tested before use. To determine the physical compatibility of Mainspring Flora GH with other products, use a jar test, as described below, to test the physical compatibility of Mainspring Flora GH with tank-mix partners.

Tank-mixing Sequence

Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after the addition of each product.

1. Water-soluble bags
2. Water-dispersible granules
3. Wettable powders
4. Mainspring and other water-based suspension concentrates
5. Water-soluble concentrates
6. Oil-based suspension concentrates
7. Emulsifiable concentrates
8. Adjuvants, surfactants, oils
9. Soluble fertilizers
10. Drift retardants

Compatibility Test: Since pesticides, adjuvants, and fertilizers can vary in quality, always **check tank-mix compatibility with tank-mix partners before each use**. Be especially careful when using **complete** suspension or fluid fertilizers as carriers, as serious compatibility problems are more likely to occur with these products. Commercial application equipment may improve tank-mix compatibility in some instances. The following test assumes a spray volume of 25 gal/A. For other spray volumes, make appropriate changes in the components. Check tank-mix compatibility using this procedure:

1. Add 1 pt of carrier (either the water or liquid fertilizer to be used in the spray operation) to each of two clear 1-qt jars with tight lids.
2. To **one** of the jars, add ¼ tsp. or 1.2 mL of a commercially available tank-mix compatibility agent approved for this use (¼ tsp is equivalent to 2 pt/100 gallons spray). Invert the jar, then shake or stir gently to ensure thorough mixing.
3. To **both** jars, add the appropriate amount of each tank-mix partner. If more than one tank-mix partner is to be used, add them separately with dry formulations (wetttable powders or water dispersible granules) first, followed by liquid flowables, capsule suspensions, emulsifiable concentrates and finally adjuvants. After each addition, invert the jar, shake or stir gently to thoroughly mix. The appropriate amount of each tank-mix partner for this test is as follows:

Dry formulations: For each pound to be applied per acre, add 1.5 level tsp to each jar.

Liquid formulations: For each pint to be applied per acre, add 0.5 tsp or 2.5 mL to each jar.

4. After adding all ingredients, put lids on and tighten, then invert each jar 10 times to fully mix. Let the mixtures stand for 15-30 minutes and then assess by looking for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. Determine if a compatibility agent is needed in the spray mixture by comparing the two jars. If either mixture separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, test the following methods of improving compatibility: (A) slurry dry formulations in water before addition, or (B) add the compatibility agent directly into liquid formulations, before addition to the tank-mixture. If these procedures are followed but incompatibility is still observed, do not use the tank mixture.

If mixture is physically compatible, add ½ 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, wetttable powders, wetttable granules (dry flowables) such as Mainspring Flora GH, 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: If using Mainspring Flora GH in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank-mix partner, including Mainspring Flora GH. 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 Mainspring Flora GH in a tank mixture, observe all directions for use, crop/sites, use rates, dilution ratios, precautions, and limitations which appear on the product label. Follow the most restrictive label precautions and limitations and do not exceed labeled application rates for any product. 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.

Do not tank-mix Mainspring Flora insecticide with products such as Daconil® Weatherstik, Dithane™ Rainshield, or any product containing a sticker component in its formulation. This will limit absorption of Mainspring Flora GH by the plant, reducing control of labeled pests.

APPLICATION DIRECTIONS

SECTION 1: COMMERCIAL GREENHOUSES

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.

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, wear:

- Coveralls
- Socks and shoes
- Chemical-resistant gloves made of any waterproof material

1.1 Foliar Application (indoor only)

Foliar application rates are listed in **Table 1**. Thorough spray coverage of the plant is essential for optimum control. Apply when conditions do not favor drift from the target area and avoid spray overlap.

Apply Mainspring Flora GH when pest populations are low to prevent the increase of that population to damaging levels.

When making foliar applications to plants with hard-to-wet foliage, such as holly, ivy, or pine, the addition of a nonionic or organosilicone-based surfactant to improve coverage is recommended. Follow use directions and rate recommendations. Do not use adjuvants with binding or sticking properties, as these may reduce absorption of Mainspring Flora GH by the plant. If concentrate, mist-type or other low volume application equipment is used to apply Mainspring Flora GH, apply the same amount of product per area as you would use if applying with higher application volumes.

Table 1. Foliar Applications (indoor only)

Ornamental Plants in Commercial Production		
Breeding crops	Flowering plants grown for seed production	Pot and bedding plants
Bulb, corm, and tuber crops (such as tulips, calla lilies)	Foliage plants	Shrubs
Evergreens, including conifers	Ground covers	Trees, including non-bearing fruit and nut trees*
Flowering plants	Palms	Vines (non-bearing)*
	Perennial plants	

Target Pests	Application Rate	Use Directions
Aphids including: Green Peach Aphid (<i>Myzus persica</i>) Melon Aphid (<i>Aphis gossypii</i>) Leafminer (<i>Liriomyza</i>)	4 – 12 oz per 100 gallons 0.4 – 1.2 tsp per gallon 1.1 – 3.4 g per gallon	Begin applications prior to or when pests first appear. Reapply after 14 days to keep populations from increasing. Use higher listed rates when longer residual control is needed.
Japanese beetle adults, other leaf-feeding beetles (such as viburnum leaf beetle larvae) Lace bugs Leaf-feeding caterpillars (such as armyworms, loopers, fall webworms) Soft scales (such as oak lecanium scales) Thrips (foliar-feeding) Whiteflies (including) Silverleaf whitefly (<i>Bermisia</i> spp. – Biotype B & Q) Greenhouse Whitefly (<i>Trialeurodes vaporariorum</i>)	8 – 12 oz per 100 gallons 0.8 – 1.2 tsp per gallon 2.3 – 3.4 g per gallon	Begin applications prior to or when pests first appear. Reapply after 14 days to keep populations from increasing. Use higher listed rates when longer residual control is needed.
All pests listed above – maximum residual control	16 oz per 100 gallons 4.5 tsp per gallon 1.6 g per gallon	

USE RESTRICTIONS

- **Maximum Single Application Rate:** Do not apply more than 16.7 oz Mainspring Flora GH per acre per application (equal to 0.31 lb pymetrozine and 0.10 lb cyantraniliprole per acre per application).
- **Maximum Total Application Rate:** Do not apply more than 66.8 oz Mainspring Flora GH per acre per year. Do not apply more than 1.25 lb pymetrozine or 0.42 lb cyantraniliprole per acre per calendar year from Mainspring Flora GH or any pymetrozine- or cyantraniliprole containing products.
- **Minimum Reapplication Interval:** Do not reapply within 7 days.

*Non-bearing fruit and nut trees and vines are plants that will not bear edible fruit or nuts for one year after application.

SECTION 2: INTERIOR PLANTSCAPES

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.

2.1 Foliar Application (indoor only)

Foliar application rates are listed in **Table 1**. Thorough spray coverage of the plant is essential for optimum control. Apply when conditions do not favor drift from the target area and avoid spray overlap.

Apply Mainspring Flora GH when pest populations are low to prevent the increase of that population to damaging levels.

When making foliar applications to plants with hard-to-wet foliage, such as holly, ivy, or pine, the addition of a nonionic or organosilicone-based surfactant to improve coverage is recommended. Follow use directions and rate recommendations. Do not use adjuvants with binding or sticking properties, as these may reduce absorption of Mainspring Flora GH by the plant. If concentrate, mist-type or other low volume application equipment is used to apply Mainspring Flora GH, apply the same amount of product per area as you would use if applying with higher application volumes.

Table 2. Foliar Applications (indoor only)

Ornamental Plants		
Plants in interior landscapes		
Target Pests	Application Rate	Use Directions
Aphids including: Green Peach Aphid (<i>Myzus persica</i>) Melon Aphid (<i>Aphis gossypii</i>) Leafminer (<i>Liriomyza</i>)	4 – 12 oz per 100 gallons	Begin applications prior to or when pests first appear.
	0.4 – 1.2 tsp per gallon	Reapply after 14 days to keep populations from increasing.
	1.1 – 3.4 g per gallon	Use higher listed rates when longer residual control is needed.
Japanese beetle adults, other leaf-feeding beetles (such as viburnum leaf beetle larvae) Lace bugs Leaf-feeding caterpillars (such as armyworms, loopers, fall webworms) Soft scales (such as oak lecanium scales) Thrips (foliar-feeding) Whiteflies (including) Silverleaf whitefly (<i>Bermisia</i> spp. – Biotype B & Q) Greenhouse Whitefly (<i>Trialeurodes vaporariorum</i>)	8 – 12 oz per 100 gallons	Begin applications prior to or when pests first appear.
	0.8 – 1.2 tsp per gallon	Reapply after 14 days to keep populations from increasing.
	2.3 – 3.4 g per gallon	Use higher listed rates when longer residual control is needed.
All pests listed above – maximum residual control	16 oz per 100 gallons 4.5 tsp per gallon 1.6 g per gallon	

USE RESTRICTIONS

- **Maximum Single Application Rate:** Do not apply more than 16.7 oz Mainspring Flora GH per acre per application (equal to 0.31 lb pymetrozine and 0.10 lb cyantraniliprole per acre per application).
- **Maximum Total Application Rate:** Do not apply more than 66.8 oz Mainspring Flora GH per acre per year. Do not apply more than 1.25 lb pymetrozine or 0.42 lb cyantraniliprole per acre per calendar year from Mainspring Flora GH or any pymetrozine- or cyantraniliprole containing products.
- **Minimum Reapplication Interval:** Do not reapply within 7 days.

STORAGE AND DISPOSAL

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

Pesticide Storage

Do not subject to temperatures below 32 degrees F. Store in original container, in a cool, dry place inaccessible to children and pets. Product is hygroscopic. Keep the container tightly closed.

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 Handling [bags]

Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or 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.

Container Handling [less than or equal to 50 pounds]

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Mainspring Flora™, Daconil Weather Stik®, the ALLIANCE FRAME
the SYNGENTA Logo and the PURPOSE ICON
are Trademarks of a Syngenta Group Company

Dithane™ Rainshield is a trademark of The Dow Chemical Company

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

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, NC 27419-8300

SCP

Mainspring Flora GH 100-RLTU NEW SEP2015-Version F- mar- 9/20/16
000100-0RLTU.20150901F.MAINSPRING-FLORA-GH.SEP2015.pdf

Mainspring Flora GH 100-RLTU NEW SEP2015-Version F -HI- mar- 9/20/16
000100-0RLTU.20150901F.MAINSPRING-FLORA-GH.SEP2015-HI.pdf

Mainspring Flora GH 100-RLTU NEW SEP2015-Version E - mar- 9/19/16
000100-0RLTU.20150901E.MAINSPRING-FLORA-GH.SEP2015.pdf

Mainspring Flora GH 100-RLTU NEW SEP2015-Version E -HI- mar- 9/19/16
000100-0RLTU.20150901E.MAINSPRING-FLORA-GH.SEP2015-HI.pdf

Mainspring Flora GH 100-RLTU NEW SEP2015-Version D -HI- mar- 9/9/16
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