

53883-289

08/23/2011

1/15



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505P)
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

EPA Reg. Number:
53883-289

Date of Issuance:
AUG 23 2011

Term of Issuance:
Conditional

Name of Pesticide Product:
Pyriproxyfen 11.23%

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration

(Under FIFRA as amended)

Name and Address of Registrant (include ZIP Code):

Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

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) provided:

1. You will submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. All of the product chemistry data requirements for this product have been satisfied, except for OCSPP Guidelines 830.6317 and 830.6320, Storage Stability and Corrosion Characteristics studies, respectively. Within one-year of the date of this registration you must submit these data including interim reports made at 0, 3, 6, 9, and 12 month intervals.
3. You make the following label changes before releasing the product for shipment:
 - a) Page 1
 - i. Revise the EPA Registration Number to read "EPA Reg. No. 53883-289".
 - b) Page 10
 - i. Add the following restriction to the end of the paragraph entitled: "Broadcast Application to Soil Surface"; "Apply no more than two times per cropping cycle"

Signature of Approving Official

Richard Geoken, Product Manager, RDVIB (7505P)

Date:

AUG 23 2011

3. Continued:

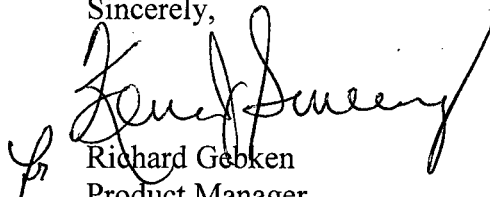
c) Page 12

- i. **Storage and Disposal Statements.** Your application for registration (Form 8570-1) lists container sizes ranging from 8 ounces to 1 gallon, but the Storage and Disposal section of your proposed product label includes container disposal instructions for containers of greater than 5 gallons and for bulk container disposal. Remove the directions for containers greater than 5 gallons and for bulk container disposal because you are not producing the product in these container sizes.
4. The basic Confidential Statement of Formula (CSF) dated April 15, 2011 is acceptable and supersedes all previous CSFs to become the basic CSF of record. The Alternate CSFs # 1 and #2 dated April 15, 2011 are also acceptable.

Please submit three (3) copies of your final printed labeling within 60 days of the date of this notice but before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. The data evaluation reviews and a stamped copy of the label are enclosed for your records.

If you have any questions regarding this registration action, please contact Kevin Sweeney at (703) 305-5063. Thank you for your cooperation in this matter.

Sincerely,



Richard Gebken
Product Manager
Insecticide Branch
Registration Division (7505P)

Enclosure

3/15

Pyriproxyfen 11.23%
Insect Growth Regulator

GROUP 7D INSECTICIDE

ACTIVE INGREDIENT:

2-[1-Methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine [Pyriproxyfen] 11.23%

***OTHER INGREDIENTS:** 88.77%

TOTAL: 100.00%

Contains 0.86 pound ai per gallon.

*Contains aromatic petroleum distillates.

EPA Reg. No. 53883-XXX

Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507

**ACCEPTED
with COMMENTS
In EPA Letter Dated
AUG 23 2011**

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
53883-289**

EPA Est. No. 53883-TX-002

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
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.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continuing rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
You may also contact SafetyCall® International (866) 897-8050 for emergency medical treatment information	
Note to Physician - This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.	

Net Contents: _____

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION - Causes skin and eye irritation. Do not get on skin, in eyes or on clothing. Harmful if inhaled, swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. 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 and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: coveralls over short-sleeved shirt and short pants or long-sleeved shirt and long pants, chemical resistant gloves, such as Barrier Laminate or 14 mils, chemical-resistant footwear plus socks, chemical-resistant headgear or overhead exposure, chemical-resistant apron when cleaning equipment, mixing, or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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.
- 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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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 the 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 over short-sleeved shirt and short pants, chemicals-resistant gloves, such as barrier laminate or viton \geq 14 mils, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure.

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.

Keep unprotected persons out of treated areas until sprays have dried.

Tanks Mixing

Notice: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risks of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the tank mix in this product.

RESISTANCE MANAGEMENT

For resistance management purposes, Pyriproxifen 11.23% is a Group 7D insecticide. Any insect population may contain individuals naturally resistant to Pyriproxifen 11.23% and other Group 7D insecticides. The resistant individuals dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by Pyriproxifen 11.23% or other Group 7D insecticides, although local experts should be consulted for local resistance recommendations. The classification scheme is based on mode of action. It is recognized that resistance if insects and mites to insecticides and acaricides can also result from enhanced metabolism, reduced penetration or behavioral changes that are not linked to any site of action classification but are specific for individual chemicals or chemical groupings. Despite this, alternation of compounds from different chemical classes remains a viable management technique.

To delay insecticide resistance

- Avoid exclusive repeated use of insecticides from the same chemical subgroup.
- Integrate other control methods (chemical, cultural, biological) into insect control programs.

For further information contact your local Pest Control Advisor (PCA).

CHEMIGATION

Refer to supplemental labeling entitled, "Application of Pyriproxifen 11.23% by Chemigation", for chemigation use direction. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed.

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

PRODUCT INFORMATION

For control of insects including whiteflies, scales, shore flies, and fungus gnats in indoor (greenhouse, lath and shadehouse and interiorscapes) and outdoor ornamentals, including flowering and foliage crops, ground covers, shrubs and ornamentals trees, non-bearing fruit and nut trees and indoor grown fruiting vegetables.

Pyriproxifen 11.23% affects all pest insect life stages, including eggs, nymphs/larvae, pupae and adults. Pyriproxifen 11.23% does not control adults, but greatly reduces their production of viable eggs due to its strong transovarial activity. In whitefly, transovarial activity begins within one day after adults contacts or ingests Pyriproxifen 11.23% residues. Pyriproxifen 11.23% is also ovicidal and inhibits metamorphosis of nymphs, larvae and pupae into adults. Since Pyriproxifen 11.23% is an Insect Growth Regulator (IGR), activity depends on the insect's development. Therefore, evidence of activity may be slower than the typical contact insecticides, especially when large numbers of late instars are present at time of application.

Pyriproxifen 11.23% also has strong translaminar activity on a variety of ornamental plants, including poinsettia, hibiscus, gerbera daisy and chrysanthemums. Pyriproxifen 11.23% residues applied to the upper leaf surface will rapidly penetrate the leaf cuticle, and can subsequently be ingested by immature and adult insects feeding on the lower leaf surface (eg. whitefly). Therefore, even in cases where it is difficult to achieve thorough under leaf spray coverage, Pyriproxifen 11.23% can still provide highly effective control.

Pyriproxifen 11.23% is intended for use in Integrated Pest Management (IPM) or Integrated Resistance Management (IRM) programs. Pyriproxifen 11.23% will not control adult insects and it is recommended to be used in combination and/or rotation with other IPM or IRM materials. Contact your local state extension service for details.

PLANT TOLERANCE

IMPORTANT: The large number of existing ornamental varieties and cultivars coupled with the constant introduction of new varieties makes it impossible to field test Pyriproxifen 11.23% in every locale where sold or in all of the combinations created by these differences. These differences include the soil or media type, pH, moisture or fertility, environmental conditions such as temperature, lighting degree-days and horticultural practice and the manner of use and application of this product.

To ensure that Pyriproxifen 11.23% is compatible with the variety of cultivar under your specific conditions, test the product on a limited scale and observe for phytotoxicity for two weeks before making large scale applications. Phytotoxicity has been observed on the following plants: *Salvia* (*Salvia* spp.), Ghost Plant (*Graptopetalum paraguayense*), Boston Fern (*Nephrolepis exaltata*), Schefflera (*Schefflera* spp.), Gardenia (*Gardenia* spp.) and Coral Bells (*Heuchera sanguinea*). It is therefore recommended that Pyriproxifen 11.23% not be used on these plants. Do not apply to Poinsettia after bract formation.

MIXING INSTRUCTIONS

Prepare no more spray dilution than is necessary for the immediate operation. Thoroughly clean spray equipment before using this product. Agitate thoroughly before and during application. Flush spray tank thoroughly with clean water daily after use and dispose of pesticide rinsate by application to a previously treated area. Add 1/2 to 2/3 of the required amount of water to the spray or mix tank. With the agitator running, add the required amount of Pyriproxifen 11.23%. Continue agitation while adding the remainder of the water. Begin application of the spray solution after Pyriproxifen 11.23% has been added and completely dispersed into the mix water. Maintain agitation until all of the dilution has been applied.

CONVERSION CHART

Gallons of Dilution*									
Rate per 100 Gals		Rate per 50 Gals.		Rate/25 Gals.		Rate/10 Gals.		Rate/5 Gals.	
oz.	ml.	oz.	ml.	oz.	ml.	oz.	ml.	oz.	ml.
2	59	1	30	0.5	15	0.2	5.9	0.1	3.0
3	89	1.5	44	0.75	22	0.3	8.9	0.15	4.4
4	118	2	59	1.0	30	0.4	11.8	0.2	5.9
5	148	2.5	74	1.25	37	0.5	14.8	0.25	7.4
6	177	3	89	1.5	44	0.6	17.7	0.3	8.9
8	237	4	118	2.0	59	0.8	23.7	0.4	11.8
10	296	5	148	2.5	74	1.0	30.0	0.5	14.8
12	355	6	177	3.0	89	1.2	35.5	0.6	17.7

*Determine the rate per 100 gallons from Table 1. Follow the proper rate across the row to determine how much to add for dilutions less than 100 gals.

COMPATIBILITY

Pyriproxifen 11.23% is compatible with most commonly used insecticides, fungicides and spray adjuvants used in the production of ornamental plants. When using Pyriproxifen 11.23% in tank dilutions with other pesticides, observe all directions for use and precautions on the respective tank mix label. When making an application of a tank mix for the first time, it is recommended that a few plants be treated and observed for phytotoxicity for two to four weeks before making large scale applications.

LOW VOLUME SYSTEMS

Pyriproxifen 11.23% has been evaluated and shown to be effective for foliar applications when applied through Electrostatic Spraying Systems, PulsFog® Systems or other low volume systems. To calculate the amount of product to be applied, use the appropriate amount of Pyriproxifen 11.23% for the square footage to be treated with spray as listed. The amount of carrier (water) is dependent on the amount needed for adequate coverage. Low volume systems should not be used to control soil-inhabiting insects such as fungus gnats and shore flies.

APPLICATION INSTRUCTIONS FOR USE IN IRRIGATION SYSTEMS

Important: First time users of Pyriproxifen 11.23% through irrigation systems should make an application to a small area with only a few plants present to ensure that the irrigation system is delivering a uniform, even application across the application area.

Chemigation: do not apply Pyriproxifen 11.23% through any type of irrigation system when applying for control of foliar insects. Pyriproxifen 11.23% may be applied through overhead irrigation at rates recommended in this label to provide proper coverage of all surfaces when treating for fungus gnats and shore flies. Overhead irrigation systems include overhead sprinklers such as impact or micro-sprinklers, mist-type irrigation such as fog systems and hand-held calibrated irrigation equipment such as a hand-held wand with injector. Do not apply this product through any other type of irrigation system. Plant injury or lack of effectiveness, or illegal pesticide residues in a crop, can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide applications to public water system, unless the pesticide label prescribed safety devices for public water systems are in place. 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 to make necessary adjustments should the need arise.

Operation instructions:

1. 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.
2. The pesticide injection pipeline must contain a functional, automatic, quick closing check-valve to prevent the flow of fluid back to the injection pump.

3. 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.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump), effectively designed and constructed of material that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment. Avoid spray overlap, as injury may result.
8. Prepare a minimum dilution of 1 gal. of water with the desired rate of Pyriproxifen 11.23% and inject this dilution into the system. Injecting a larger volume of a more dilute dilution will usually provide more accurate calibration of metering equipment. Maintain sufficient agitation to keep Pyriproxifen 11.23% in suspension.
9. Meter into irrigation water during the beginning of the irrigation cycle. It is important to continue running the system after the Pyriproxifen 11.23% application is finished to remove all the product from the foliage and get it into the areas where the immature insect stages are located.

Systems Connected to Public Water Systems:

1. Public water systems 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 of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the public water systems should be discharged in the reservoir tank prior to pesticide introduction. There shall not be a complete physical break (air gap) between the outlet and of the fill pipe and the top of overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must also contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
4. 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.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water motor stops or in cases where there is no water pump, when the water pressure decreases to the point where the pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection ump(e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with the pesticides and capable of being fitted with the system interlock.

Table 1: Directions for Use on Shrubs, Ornamentals, Flowering Plants, Foliage Plants, Ground Covers, Ornamental Trees, Non-Bearing Fruit, Nut Trees and Vines

PESTS	RATES	APPLICATION METHOD	SPECIAL INSTRUCTIONS
Aphids (suppression) Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	6 to 8 fl. oz. per 100 gals.	Foliar Spray 100 gals. of spray mix will treat 20,000 sq. ft. of area.	Apply the spray dilution uniformly to all plant surfaces and to the point of runoff. Make first application when adult insects begin to appear. If necessary, make a second application from 14 to 28 days after the first application. If an additional application is needed less than 14 days after the first treatment, use an IGR (Insect Growth Regulator) with another mode of action or another chemical class of insecticide. Use lower rate and longer interval for newly established infestations and when plants are not rapidly flushing new growth. Use higher rates and shorter interval for established infestations and/or when plants are rapidly flushing new growth. Apply no more than two times per cropping cycle or no more than two times per six months. If rapid control of adult insects is required, apply a labeled adulticide.
Black Scale California Red Scale Euonymus Scale Florida Wax Scale Mealybugs (suppression) San Jose Scale Snow Scale Spotted Tentiform Leafminer	8 to 12 fl. oz. per 100 gals.	Foliar Spray 100 gals. of spray mix will treat 20,000 sq. ft. of area.	Apply the spray dilution uniformly to all plant surfaces and to the point of runoff. Target crawler stage when treating infestations of scale.
<p>Note: Since ornamental varieties are numerous, constantly changing, and may react differently to Pyriproxifen 11.23% and tank dilutions including Pyriproxifen 11.23%, test the product(s) on a small scale before making large scale applications. Phytotoxicity has been observed on the following plants: <i>Salvia</i> (<i>Salvia</i> spp.), Ghost Plant (<i>Graptopetalum paraguayense</i>), Boston Fern (<i>Nephrolepis exaltata</i>), Schefflera (<i>Schefflera</i> spp.), Gardenia (<i>Gardenia</i> spp.) and Coral Bells (<i>Heuchera sanguine</i>). It is therefore recommended that Pyriproxifen 11.23% not be used on these plants. Do not apply to Poinsettia after bract formation.</p>			

Table 2: Directions for Use on Shrubs, Ornamentals, Flowering Plants, Foliage Plants, Ground Covers, Ornamental Trees, Non-Bearing Fruit, Nut Trees and Vines

PESTS	RATES	APPLICATION METHOD	SPECIAL INSTRUCTIONS																						
Fungus Gnats Shore Flies	3 to 6 fl. oz. per 100 gals.	Sprenc 100 gals. of spray mix will treat 5,000 sq. ft. of area	<p>For the control of fungus gnats and shore flies apply to potting media as a heavy, coarse spray (sprenc) through conventional equipment to all insect infested surfaces or where insects may breed. Complete coverage of infested areas is essential for control, treat breeding areas under benches at the same time that the crop is treated. The soil surface should be moist at the time of application.</p> <p>Broadcast Application to Soil Surface: For bed, bench and container grown plants, apply Pyriproxifen 11.23% as a coarse spray or sprenc to the soil surface. Mix 3 to 6 fl. oz. of Pyriproxifen 11.23% in 100 gals. of water and apply to the soil surface at a volume of 2 to 3 gals. of final spray solution per 100 sq. ft. of area. If a second application of Pyriproxifen 11.23% is needed, allow a minimum of 21 days between applications.</p>																						
	2 fl. oz. per 100 gals.	Drench Saturate only the top 1" to 1.5" of soil	<p>Important: For drench applications to Poinsettia see special instructions below.</p> <p>For the control of fungus gnats and shore flies apply to potting media as a drench application through conventional equipment. For optimal control, apply additional amounts of spray solution to breeding areas under benches at the same time that the crop is treated. The soil surface should be moist at the time of application.</p> <p>Drench Application to Soil Surface of Individual Containers: Mix 2 fl. oz. of Pyriproxifen 11.23% in 100 gals. of water and evenly apply to surface of potting media to ensure uniform treatment. Apply 3 fl. oz. of finished solution per 6 inch pot. Adjust volume accordingly for smaller or larger pots (see drench mixing chart below). Do not saturate potting media with drench solution, only the top 1" to 1.5" of soil needs to be drenched in order to achieve effective control. Do not drench plants more than one time per crop cycle.</p> <table><tr><th>Pot Diameter (inches)</th><th>Drench Volume (fl. oz./pot)</th><th>Rate/100 Gals. (fl. oz.)</th></tr><tr><td>4</td><td>1</td><td>2</td></tr><tr><td>5</td><td>2</td><td>2</td></tr><tr><td>6</td><td>3</td><td>2</td></tr><tr><td>8</td><td>5</td><td>2</td></tr><tr><td>10</td><td>7</td><td>2</td></tr><tr><td>12</td><td>10</td><td>2</td></tr></table>			Pot Diameter (inches)	Drench Volume (fl. oz./pot)	Rate/100 Gals. (fl. oz.)	4	1	2	5	2	2	6	3	2	8	5	2	10	7	2	12	10
Pot Diameter (inches)	Drench Volume (fl. oz./pot)	Rate/100 Gals. (fl. oz.)																							
4	1	2																							
5	2	2																							
6	3	2																							
8	5	2																							
10	7	2																							
12	10	2																							

Note: Since ornamental varieties are numerous, constantly changing, and may react differently to Pyriproxifen 11.23% and tank dilutions including Pyriproxifen 11.23%, test the product(s) on a small scale before making large scale applications. Phytotoxicity has been observed on the following plants: Salvia (*Salvia* spp.), Ghost Plant (*Graptopetalum paraguayense*), Boston Fern (*Nephrolepis exaltata*), Schefflera (*Schefflera* spp.), Gardenia (*Gardenia* spp.) and Coral Bells (*Heuchera sanguine*). It is therefore recommended that Pyriproxifen 11.23% not be used on these plants. Do not apply to Poinsettia after bract formation.

Drench Application to Individual Pots of Poinsettia: In a few instances, malformation of roots and newly expanded leaves (i.e. cupping) has been observed on certain Poinsettias varieties (i.e. Freedom right, Freedom Bright Red, Winter Rose, and Jingle Bells) following drench application of Pyriproxifen 11.23%. Leaf malformation was more commonly observed on plants exposed to high air temperatures and on plants whose soil media was allowed to dry out following application, such as those along walkways or near doorways. Malformation of affected leaves was permanent, but new growth was unaffected after plants were hydrated. Malformed leaves were generally not evident at time of shipment. To minimize the risk of leaf malformation when drenching Poinsettia with Pyriproxifen 11.23%:

- Do not saturate the potting media with Pyriproxifen 11.23% drench solution. Apply only enough solution to saturate the top 1"-1.5" of media (ex. No more than 3 oz. solution per 6" pot). Do not mix more than 2 oz. of Pyriproxifen 11.23% per 100 gal. of water.
- Ensure that the soil media remains uniformly moist and avoid exposing plants to high temperatures during and following drench application of Pyriproxifen 11.23%. If leaf malformation is noted, thoroughly water affected plants and, if necessary, move these plants to an area of the greenhouse with higher humidity.
- Do not drench individual Poinsettia with Pyriproxifen 11.23% more than one time per crop cycle.
- DO NOT APPLY TO POINSETTIA AFTER BRACT FORMATION.

Table 3: Directions for Use on Indoor Grown Fruiting Vegetables.

Pests	Rates	Application Method	Special Instructions
Aphids (suppression) Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	6 fl. oz. per 100 gals.	Foliar Spray 100 gals. of spray mix will treat 20,000 sq. ft. of area	<p>Apply the spray dilution uniformly to all plant surfaces and to the point of runoff.</p> <p>Make first application when adult insects begin to appear. If necessary, make a second application from 14 to 28 days after the first application. If an additional application is needed less than 14 days after the first treatment, use an IGR (Insect Growth Regulator) with a different mode of action or a different chemical class of insecticide. Use lower rate and longer interval for newly established infestations and when plants are not rapidly flushing new growth. Use higher rates and shorter interval for established infestations and/or when plants are rapidly flushing new growth. Apply no more than two times per cropping cycle or no more than two times per six months. If rapid control of adult insects is required, apply a labeled adulticide.</p>
Fungus Gnats Shore Flies	3 to 6 fl. oz. per 100 gals.	Sprench 100 gals. of spray mix will treat 5,000 sq. ft. of area	<p>For the control of fungus gnats and shore flies apply to potting media as a heavy, course spray (sprench) through conventional equipment to all insect infested surfaces or where insects may breed. Complete coverage of infested areas is essential for control, treat breeding areas under benches at the same time that the crop is treated. The soil surface should be moist at the time of application.</p> <p><u>Broadcast Application to Soil Surface:</u> For bed, bench and container grown plants, apply Pyriproxifen 11.23% as a course spray or sprench to the soil surface. Mix 3 to 6 fl. oz. of Pyriproxifen 11.23% in 100 gals. of water and apply to the soil surface at a volume of 2 to 3 gals. of final spray solution per 100 sq. ft. of area. If a second application of Pyriproxifen 11.23% is needed, allow a minimum of 21 days between applications. Apply no more than two times per six months.</p> <p style="text-align: right;">(Continued)</p>

Table 3: Direction for Use on Indoor Grown Fruiting Vegetables. (Continued)

PESTS	RATES	APPLICATION METHOD	SPECIAL INSTRUCTIONS		
Fungus Gnats Shore Flies	2 fl. oz/ 100 gals.	Drench Saturate only the top 1" to 1.5" of soil	For the control of fungus gnats and shore flies apply to potting media as a drench application through conventional equipment. For optimal control, apply additional amounts of spray solution to breeding areas under benches at the same time that the crop is treated. The soil surface should be moist at the time of application.		
			Drench Application to Soil Surface of Individual Containers: Mix 2 fl. oz. of Pyriproxifen 11.23% in 100 gals. of water and evenly apply to surface of potting media to ensure uniform treatment. Apply 3 fl. oz. of finished solution per 6 inch pot. Adjust volume accordingly for smaller or larger pots (see drench mixing chart below). Do not saturate potting media with drench solution , only the top 1" to 1.5" of soil needs to be drenched in order to achieve effective control. Do not drench plants more than one time per crop cycle.		
			Pot Diameter (inches)	Drench Volume (fl. oz./pot)	Rate/100 Gals. (fl. oz.)
			4	1	2
			5	2	2
			6	3	2
			8	5	2
			10	7	2
12	10	2			
Note: Since fruiting vegetable varieties are numerous, constantly changing and may react differently to Pyriproxifen 11.23% and tank dilutions including Pyriproxifen 11.23%, test the products(s) on a small scale before making large scale applications.					
<ul style="list-style-type: none">Do not apply to tomato varieties less than 1 inch in diameterDo not apply to non-bell peppers.Do not apply within one (1) day of harvest.Do not make more than two (2) Pyriproxifen 11.23% applications per season.Do not exceed 12 fl. oz. Pyriproxifen 11.23% per acre per season.Regardless of formulation, do not apply more than 0.176 lb. ai of pyriproxifen per acre per season.					

STORAGE AND DISPOSAL

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

Storage and Spill Procedures: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spillage or leakages, soak up with an absorbent material such as sand, sawdust, earth, Fuller's earth, etc. Dispose of with chemical waste.

Pesticide Disposal: Pesticide, spray dilution or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

Container Disposal:

For Containers equal to or less than 5 Gallons : Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. 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. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For Containers greater than 5 Gallons: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For Bulk containers: (Refillable Container) Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

WARRANTY STATEMENT

Control Solutions, Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. To the extent allowed by applicable law, Control Solutions, Inc. shall not be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except, as expressly provided herein and to the extent consistent with applicable law, Control Solutions, Inc. makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damage resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages

not exceeding the purchase price paid for this product or, at Control Solutions, Inc. election, the replacement of this product. *[Optional statement]*

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