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59639-96

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# DISTANCE<sup>®</sup>

## INSECT GROWTH REGULATOR

Active Ingredient	By Wt.
*Pyriproxyfen (2-[1-methyl-2-(4-phenoxyphenoxy) ethoxy]pyridine) .....	11.23%
Inert Ingredients .....	88.77%
Contains 0.86 pound a.i. per gallon.	
Contains aromatic petroleum distillates.	

KEEP OUT OF REACH OF CHILDREN

### CAUTION

SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET CONTENTS 1 QUART

ACCEPTED

FEB 8 1999

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 59639-96

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**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & 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.

**STATEMENT OF PRACTICAL TREATMENT**

- If on skin:** Wash with plenty of soap and water. Get medical attention immediately.
- If in eyes:** Flush eyes with plenty of water, call a physician if irritation persists.
- If swallowed:** Call physician or Poison Control Center. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.
- If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**Note to Physicians:** May pose an aspiration pneumonia hazard. Emergency Information - call 1-800-892-0099.

**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 viton ≥ 14 mils, chemical-resistant footwear plus socks, chemical-resistant headgear for 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.

<b>USER SAFETY RECOMMENDATIONS:</b>
<p>Users should:</p> <ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.</li> <li>• Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> <li>• 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.</li> </ul>

**ENVIRONMENTAL HAZARDS**

This pesticide 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 discussing of equipment washwaters or rinsate.

## 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 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 over short-sleeved shirt and short pants, chemical-resistant gloves, such as barrier laminate or viton ≥ 14 mils, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure,

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**DISCLAIMER, CONDITIONS OF SALE,  
LIMITED WARRANTY  
AND LIMITATION OF LIABILITY**

**IMPORTANT:** Read the entire Label including this Disclaimer, Limited Warranty and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened product within 15 days of purchase.

**RISKS OF USING THIS PRODUCT**

It is impossible to eliminate all risks associated with the use of this product. Such risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, moisture conditions, irrigation practices, presence of other materials, cultural practices or the manner of use or application, all of which are factors beyond the control of Valent. **All such risks shall be assumed by the Buyer.** Valent shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on the label. User assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

**LIMITED WARRANTY**

Valent warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product described above.

**DISCLAIMER OF ALL OTHER WARRANTIES**

**VALENT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.** No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

**LIMITATION OF LIABILITY**

In no event shall Valent or Seller be liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR 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 THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THIS PRODUCT.**

**NO AMENDMENTS**

Valent and Seller offer this product, and Buyer and User accept it, subject to the foregoing Disclaimer, Conditions of Sale, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

**PROMPT NOTICE OF CLAIM**

Valent must have prompt notice as soon as Buyer or User has reason to believe they may have a claim (not to exceed twenty-one days from date of application) so that an immediate inspection of the affected property and growing crops can be made. Unless Buyer and Users shall promptly notify Valent of any claims, they shall be barred from obtaining any remedy.

**TANK MIXES**

**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 risk of user, applicator and/or application advisor.

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

**General Information**

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

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 ornamental trees, and in non-bearing fruit and nut trees.

**IMPORTANT:** To ensure that DISTANCE is compatible with the variety or cultivar under your specific conditions, test the product on a limited scale and observe for phytotoxicity for two weeks before making large scale applications. The large number of existing ornamental varieties and cultivars coupled with the constant introduction of new varieties makes it impossible to field test DISTANCE in every locale where sold or in all of the combinations created by differences including those in soil or media type, pH, moisture or fertility, environmental conditions such as temperature, lighting or degree days and horticultural practice including planting dates, control of other pests, timing of various horticultural practices and the manner of use and application of this product. Do

not apply DISTANCE to Salvia (*Salvia* spp.), Ghost Plant (*Graptopetalum paraguayense*), Boston Fern (*Nephrolepis exaltata*), Schefflera (*Schefflera* spp.), or Coral Bells (*Heuchera sanguinea*). Do not apply to Poinsettia after bract formation.

**DISTANCE is intended for use in Integrated Pest Management (IPM) or Integrated Resistance Management (IRM) programs. DISTANCE 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.**

**DISTANCE acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. DISTANCE has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since DISTANCE is an Insect Growth Regulator (IGR) and activity depends on the insects development, evidence of activity will be slower than with typical contact insecticides.**

**Managing Insect Resistance**

Repeated use of the same class of insecticides, or insecticides with similar modes of action can lead to the buildup of resistant insect strains. Whiteflies are especially prone to becoming resistant to insecticides. To optimize resistance management practices, Valent USA Corporation is restricting DISTANCE Insect Growth Regulator (DISTANCE and PYRIGRO™ contain pyriproxyfen) applications to no more than two times per cropping cycle or no more than two times per six months. In addition, DISTANCE should be used in alternation with other IGR materials possessing dissimilar modes of action and/or with other chemical classes of insecticides. Follow local, state, and federal IPM and Integrated Resistance Management (IRM) recommendations.

CROP	PESTS	DOSAGE	SPECIAL INSTRUCTIONS
Shrubs Ornamentals Flowering Plants Foliage Plants Ground Covers Ornamental Trees Non-Bearing Fruit and Nut Trees	Silverleaf Whitefly Sweetpotato Whitefly Greenhouse Whitefly Fungus Gnats Shore Flies Aphids (Suppression only)	6 to 12 8 fl. oz./100 gals.	<p>100 gals. of spray mix will treat 20,000 sq. ft. of area. Apply the spray mixture uniformly to all plant surfaces and to the point of runoff.</p> <p>Make first application when insects begin to appear. If necessary, make a second application from 10 to 21 days after the first application. If an additional application is needed less than 10 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 low populations, and higher rate and shorter interval for higher populations. Apply no more than two times per cropping cycle or no more than two times per six months.</p> <p>For the control of fungus gnat, apply as a spray or drench to all insect infested surfaces or where insects may breed. Complete coverage of insect infested areas is essential for control.</p>
	Black Scale California Red Scale Chaff Scale Cottony Cushion Scale Florida Wax Scale Grey Scale Mussel Scale San Jose Scale Snow Scale Spotted Tentiform Leafminer	8 to 12 fl. oz./100 gals.	<p>Target crawler stage when treating infestations of scale.</p> <p>DISTANCE may also be mixed and/or alternated with commonly used insecticides such as ORTHENE® Turf, Tree &amp; Ornamental Spray or TAME® 2.4 EC Insecticide to comply with local IPM programs and resistance management programs.</p> <p>DO NOT APPLY TO SALVIA (<i>Salvia</i> spp.), GHOST PLANT (<i>Graptopetalum paraguayense</i>), BOSTON FERN (<i>Nephrolepis exaltata</i>), SCHEFFLERA (<i>Schefflera</i> spp.), OR CORAL BELLS (<i>Heuchera sanguinea</i>).</p> <p>DO NOT APPLY TO POINSETTIA AFTER BRACT FORMATION.</p>

NOTE: Since ornamental varieties are numerous, constantly changing, and may react differently to DISTANCE and tank mixtures, test the product(s) on a small scale before making large-scale applications.

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## **STORAGE AND DISPOSAL**

### **PROHIBITIONS**

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

### **STORAGE**

Store in a cool dry place.

Keep pesticide in original container.

Keep container closed when not in use.

Do not put concentrate or dilute into food or drink containers.

Not for use or storage in or around the home.

For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-892-0099.

### **PESTICIDE DISPOSAL**

Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### **CONTAINER DISPOSAL**

Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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Orthene® - Reg. TM of Monsanto Company for acephate insecticide

Pyrigro™ - TM of Whitmire Micro-Gen Research Laboratories, Inc.

Manufactured for:

**Valent U.S.A. Corporation**

Walnut Creek, CA 94596-8025

Made in U.S.A.

Form R18000A0.0980602

EPA Reg. No. 59639-96

EPA Est. 66196-CA-01