



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

EPA Reg. Number:
59639-96

Date of Issuance:
MAY 27 1998

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Unconditional

Name of Pesticide Product:
Distance Insect Growth Regulator

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Valent U.S.A. Corp.
1333 N California Blvd.
Walnut Creek, CA 94596

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 unconditionally registered in accordance with FIFRA sec. 3(c)(5).

Make the following change to the labeling before releasing the product for shipping:

Change the label by revising the EPA Registration Number to read, "EPA Reg. No. 59639-96".

Submit two copies of the revised final printed label for the record.

If the final printed labeling is not received prior to shipping, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these requirements.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:
Joseph M. Tavano
Marion J. Johnson, Jr.

Date:
May 27, 1998

JM



DISTANCE™

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 GALLON

**ACCEPTED
 with COMMENTS
 In EPA Letter Dated:**
 NOV 27 1998
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under EPA Reg. No.
 59639-96

REDLINE COPY

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 \geq 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.

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.

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 disposing 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 \geq 14 mils, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure.

General Information

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

For control of insects including whiteflies, scales, and fungus gnats in indoor (greenhouse, lath and shadehouse) 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.

DISTANCE⁹ 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 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 ORTHENE⁷ Turf, Tree & Ornamental Spray or TAME[™] 2.4EC 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>Graptocetalum 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.

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.

IMPORTANT INFORMATION. READ BEFORE USING PRODUCT.

LIMITED WARRANTY: 1. Valent U.S.A. Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Valent does not make nor authorizes any agent or representative to make, any other warranty, guarantee or representation, express or implied, concerning this product. Specifically, **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.**

2. Critical and unforeseeable factors beyond Valent's control prevent it from eliminating all risks in connection with use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit under average conditions for the uses stated on the labeling and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Valent under 1 above) resulting from handling, storage, and use of the product.

3. Precautions stated on the labeling should be followed to avoid hazardous exposure to the product.

Copyright© 1996 by Valent U.S.A. Corporation

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

Pyrigro™ - Reg. 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 R18000A*. *960912

EPA Reg. No. 59639--xx

EPA Est.