



PULL HERE TO OPEN ▶

Precision™

INSECT GROWTH REGULATOR

For control of selected insects, including whiteflies, soft scales, fungus gnats, shore flies, and lepidopterous leafminers in landscape ornamentals, nurseries, greenhouse ornamental crops, and other areas as specified on the label.

Active ingredient: Fenoxycarb: (Ethyl 2-(4-phenoxylphenyl) ethyl carbamate) 25%

Inert ingredients: 75%

Total: 100%

Precision is a wettable powder EPA Est. 10163-AZ-1 (EPA Est. 5905-GA-01) (Superscript is first letter of lot number on container)

KEEP OUT OF REACH OF CHILDREN. CAUTION

See additional precautionary statements and directions for use inside booklet on container. OGA 137LB 103

This outer protective container contains Precision in small, inner water soluble pouches. Entire inner pouches and their contents dissolve in water. After opening outer container, immediately dump the required number of unopened pouches into the partially filled sprayer or mix tank. Do not handle the soluble pouches or expose them to moisture, since this may cause rupturing. If not using all water soluble pouches, reclose the outer protective bag for storage. Ciba-Geigy and the Seller strongly recommend against using partial water soluble pouches of Precision. Such practice may result in injury and/or failure of performance.

8 x 1.0 Oz.
Water Soluble Pouches
Total 8.0 Oz.
Net Weight

OR
10 x 1.0 Lb.
Water Soluble Pouches
Total 10.0 Lbs.
Net Weight



DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, 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 Ciba-Geigy or the Seller. All such risks shall be assumed by the Buyer.

Ciba-Geigy warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. Ciba-Geigy makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall Ciba-Geigy or the Seller be liable

for consequential, special, or indirect damages resulting from the use or handling of this product. Ciba-Geigy and the Seller offer this product, and the Buyer and user accept it subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Ciba-Geigy.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Observe all precautions and limitations on this label and on the labels of each product used in tank mixtures with this product.

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

Do not apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.

Reentry Statement

Do not enter treated area without protective clothing until sprays have dried.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated, and appropriate actions to take in case of accidental exposure as described under Precautionary Statements on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "CAUTION. (Area or field description) treated with Precision on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, flush eyes or skin with plenty of water. Call a physician if irritation persists. Remove and wash contaminated clothing before reuse."

General Information

For control of selected insects, such as whiteflies (sweet potato and greenhouse), soft scales, fungus gnats and shore flies, in landscape ornamentals, container grown ornamentals, non-bearing fruit and nut trees in nurseries, Christmas tree plantations, ground covers, greenhouse, lath and shade house ornamental crops, and interiorscapes.

For control of lepidopterous leafminers (e.g., citrus leafminer and azalea leafminer) on nonbearing citrus and woody ornamentals. Do not apply to trees that will bear fruit within 1 year of application.

Precision should be used in conjunction with IPM practices including the early detection of target insect populations, threshold treatment levels, cultural control practices, and other procedures to manage target pest populations. Refer to local extension or university personnel or brochures for information on IPM practices.

Application

For control of whiteflies and soft scale insects (wax, brown soft, euonymus, etc.), apply 2-4 oz. Precision per 100 gals. water as soon as the presence of target insects are detected. Sprays for control of scale should be directed to the crawler stage. Repeat applications at 7-14 day intervals to control the immature stages of the insect pests. Apply the spray mixture uniformly to all surfaces of the plants, particularly the stems and the undersides of the leaves. Spray the plants to the point of runoff. Follow the manufacturer's recommendations for proper use of application equipment.

For the control of fungus gnats (*Bradysia* spp.) and shore flies (*Scatella* spp.) apply 4 oz. Precision in 100 gals. of water as a spray or drench to all surfaces where the insect pests may breed. This includes the potting media surfaces, bench tops, undersides of benches, and the areas under the benches that may be contaminated with potting media or algae. Repeat applications on a 10-14 day schedule to minimize reinfestations.

For control of lepidopterous leafminers, apply 6.0 to 8.0 oz. Precision when oviposition begins on the new flush of growth. A second application should be made 14-21 days later. Application should be made in full coverage sprays.

Precision will not control the adult stages of the insect pests. For control of adults, insecticides labeled for adult insect control should be used.

ACCEPTED
27 OCT 1993
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 100-750

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Precision™

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

Notes: (1) Precision has been evaluated for safety to many greenhouse, nursery, bulb, and ornamental plants as a drench for control of fungus gnats. No phytotoxicity has been seen on amaryllis, begonia, chrysanthemum, geranium, gerbera, impatiens, poinsettia, azalea, or Boston fern. (2) Leaf stunting has been observed after multiple applications of foliar sprays of the high rate of Precision on several poinsettia varieties. Varieties should be evaluated for phytotoxicity prior to making applications to the entire crop. Applications should not be made after bract formation. (3) Slight phytotoxic symptoms have occasionally been seen on foliage of ageratum, celosia, coleus, dianthus, dusty miller, impatiens, marigold, pansy, petunia, snapdragon, and verbena after multiple foliar applications. The grower should determine if Precision can be used safely on ornamental crops prior to use. To evaluate possible phytotoxic effects, before treating ornamental crops, the grower should test Precision, on a small group of plants, under the same conditions in which they will be grown, for at least 2 weeks.

Mixing Instructions

Prepare no more spray mixture than is necessary for the immediate operation. Thoroughly clean spray equipment before using this product. Agitate thoroughly before and during application. "Rolling" agitation is suggested to keep Precision thoroughly mixed and in suspension. Flush spray tank thoroughly with clean water daily after use and dispose of pesticide residue by application to a previously treated area.

Precision Alone: Add 1/2 to 2/3 of the required amount of water to the spray or mix tank. With the agitator running, drop the required number of unopened soluble pouches of Precision into the tank all at once. Continue agitation while adding the remainder of the water. Begin application of the spray solution after the pouches have dissolved, and the material has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Precision + Tank Mixtures: Precision is compatible with most commonly used insecticides, fungicides, and spray adjuvants used in the production of bedding plants, ornamentals, and other crops grown in nurseries. When using Precision in tank mixture with other pesticides, observe all directions for use, and precautions on the respective tank mix label.

Add 1/2 to 2/3 of the required amount of water to the spray or mix tank. With the agitator running, drop the required number of unopened soluble pouches of Precision into the tank all at once. Continue agitation while adding the remainder of the water. Tank mix partners may be added only when: (1) the Precision pouches and their contents have dissolved and dispersed into the mix water, and (2) when the tank has filled with water. Maintain agitation when adding the tank mix partners and while spraying the solution onto the crop.

Precautions: (1) Water soluble pouches of Precision must be completely dissolved and dispersed in water before any other tank mix partner, including micronutrients or other liquid or dry fertilizer, is added to the spray solution. (2) When more than one product is packaged in water soluble pouches, add all of those products at once to the mix or spray tank. Apply any other products after the soluble pouches have completely dissolved, and the material has completely dispersed into the mix water.

Note: Do not let spray mixture stand overnight in the spray tank. Rinse spray tank at the end of the day.

Table 1: Application to Control Whiteflies and Scale

Area to be treated (sq. ft.)	20,000	10,000	5,000
Water Volume	100 gals.	50 gals.	25 gals.
Number of Water Soluble Pouches	2-4	1-2	1

Table 2: Application to Control Fungus Gnats and Shore Flies

Drench*	20,000	10,000	5,000	1,000
Area to be treated (sq. ft.)				
Number of Water Soluble Pouches	80	40	20	4

* 100 gals. will drench 1,000 sq. ft.

Spray	20,000	10,000	5,000
Area to be treated (sq. ft.)			
Water Volume	100 gals.	50 gals.	25 gals.
Number of Water Soluble Pouches	4	2	1

Table 3: Application to Control Lepidopterous Leafminers

Spray Amount Per Acre	6 oz.	8 oz.
Number of 1.0 oz. Water Soluble Pouches	6	8
Number of 1.0 lb. Water Soluble Pouches	•	1

* A 1.0 lb. water soluble pouch of Precision will treat 2.5 acres at the 6.0 oz. per acre rate.

Electrostatic Spraying Systems, PateFog® Systems, or Other Low Volume Systems

To calculate the amount of product to be applied, use the appropriate amount of Precision 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.

Storage and Disposal

Pesticide Storage - Do not store this product under wet conditions; store in a cool, dry place. Handle outer container carefully to avoid breakage of inner soluble pouches.

Pesticide Disposal - Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal - Do not reuse outer container. Dispose of empty outer container in a sanitary landfill or by incineration, or if allowed by state and local authorities, dispose of by burning. If bag is burned, stay out of smoke.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

Statement of Practical Treatment

If on skin: Wash with plenty of soap and water. Get medical attention.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

If inhaled: Move victim to fresh air.

Environmental Hazards

This product is toxic to fish and aquatic invertebrates. Drift and runoff from treated sites may be hazardous to aquatic invertebrates in adjacent aquatic sites. For terrestrial uses, 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 wash waters.

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U. S. Patent No. 4,215,139

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Ciba Plant Protection
Turf and Ornamental Products
Ciba-Geigy Corporation
Greensboro, North Carolina 27419
CGA 137L6 103

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Inert ingredients: 75%
Total: 100%

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EPA Est. 5985-GA-01(6)
(Superscript is first letter of lot number on container)

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