

APR 5 1995

Ms. N. Beth Carroll  
Ciba-Geigy Corporation  
P.O. Box 18300  
Greensboro, NC 27419-8300

Dear Ms. Carroll:

Subject: New Uses/Ornamental Crops and Pests, Outdoor and  
Interiorscape use  
CITATION INSECTICIDE  
EPA Registration No. 100-667  
Your Submission dated July 12, and October 25, 1994

The amendments referred to above, submitted in connection with registration under the FIFRA Sect (3)(c)(7)(A) are acceptable provided you:

1. Agree that the subject product is subject to the same terms and conditions issued under EPA Registration Number 100-654 Trigard with respect to data generation and mitigation measures.
2. The addition of new sites to the label requires submission of an Offer to Pay Statement. Please complete and submit.
3. On page 4 under "Notes" delete the site nursery in the first sentence.
4. Since you are expanding product use to outdoor sites, as with the Trigard product, we are concerned with the potential for groundwater contamination. Thus revise the statement "to repeat at 7 day intervals or as necessary" to specify a maximum allowable total application. This statement must also be consistent with the Special Precautions instructions on page 6.

5. Add the following sentence in front of the pesticide disposal statement. "Pesticide wastes are toxic." as per

SYMBOL	PR Notice 83-3.						
SURNAME	H. J. ...						
DATE	4/5/95						

10810

6. Complete labeling must be submitted with respect to amendments to proposed labeling. Please submit labeling for the inner water soluble package. There appears there is more than one water soluble package per container. If this is the case the water soluble package must contain the name of the product, Keep Out of Reach of Children, Ingredient Statement, EPA Registration Number, and referral statements to the other container or outer package. Refer to PR Notice 94-8.

7. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

8. Submit product information (pounds or gallons produced) for this product for the fiscal year in which the use on ornamentals is conditionally amended in accordance with FIFRA section 29. The fiscal year begins October 1 and ends September 30. The production information should be submitted to the Agency no later than November 15, following the end of the preceding fiscal year. This information should be submitted to:

U.S. Environmental Protection Agency  
Office of Pesticide Programs (7505W)  
401 M Street SW., CM#2  
Washington, D.C. 20460

9. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA 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.

Sincerely yours,

George T. LaRocca  
Product Manager (13)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosure

39 10

Citation®

INSECTICIDE

For control of selected insects, including Dipterous leafminers, and fungus gnats in landscape ornamentals; container grown ornamentals; greenhouse, lath and shade house grown ornamental bedding plants and ornamental crops; and interiorscapes; and shore flies, only in greenhouse ornamental crops and interiorscapes.

Active Ingredient:

Cyromazine: N-cyclopropyl-1,3,5-triazine-2,4,6-triamine .....	75%
<u>Inert Ingredients:</u> .....	<u>25%</u>
Total:	100%

Citation is a wettable powder.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use on back of pouch.

EPA Reg. No. 100-667

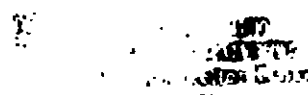
EPA Est. 602-MO-1

6 X 2.66 Ounce  
Water-soluble Pouches

Total 15.96 Ounces  
Net Weight

CGA 143L1A

This outer protective container contains Citation in small, inner water-soluble pouches. Entire inner pouches and contents dissolve in water. After opening the container, immediately dump the required number of unopened inner pouches into the partially filled sprayer or mix tank. Do not excessively handle the soluble pouches or expose them to moisture, since this may cause rupturing.

  
 APR 5 1995  
 100-667

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the 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.

5210

DIRECTIONS FOR USE

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

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 worn over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks

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

Citation is a 75% wettable powder which, when mixed with water, according to the directions for use given below, will control certain insect species on designated plants.

5

6/10

General Information

For control of selected insects, including Dipterous leafminers, and fungus gnats in landscape ornamentals; container grown ornamentals; greenhouse, lath and shade house grown ornamental bedding plants, and ornamental crops; and interiorscapes; and shore flies only in greenhouse ornamental crops and interiorscapes.

Citation should be used in conjunction with Integrated Pest Management (IPM) practices including the early detection of target insect populations, threshold treatment levels, cultural control practices, procedures to manage target pest populations. Contact local extension or university personnel, or refer to brochures for information on IPM practices.

Application

) For control of Dipterous leafminers (Liriomyza spp.), apply 2.66 oz./A in a minimum of 100 gals. of water as a foliar spray to the point of runoff when stippling first appears. Repeat applications at 7-day intervals or as necessary to maintain control.

For control of fungus gnats (Bradysia spp.) and shore flies (Scatella spp.) apply 2.66 oz. of Citation in 100 gals. of water as a spray or drench to all surfaces where insect pests may breed. This includes the potting media surfaces, bench tops, undersides of benches, and the areas under benches that may be contaminated with potting media or algae. Repeat application on a 7-14 day schedule to minimize reinfestation.

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

) Chemigation: Do not apply Citation through any type of irrigation system.

Notes: Citation has been evaluated for safety to many greenhouse, nursery, and ornamental plants as a foliar spray and a soil drench. No phytotoxicity has been observed at the rates recommended in this label on ageratum, baby's breath, chrysanthemum, cosmos, dahlia, gerbera daisy, gloriosa daisy, impatiens, marigold, petunia, poinsettia, salvia, snapdragon, transvaal daisy, verbena, and zinnia. While many plant species and cultivars have been evaluated, each species, cultivar should be evaluated for phytotoxicity prior to making applications to the entire crop. To evaluate possible phytotoxic effects, before treating ornamental crops not listed above, the grower should test Citation 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 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 Citation thoroughly mixed and in suspension. Flush spray tank thoroughly with clean water daily after use and dispose of pesticide rinsate by application to a previously treated area.

Citation Alone: Add 1/2-2/3 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 Citation 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.

) Citation + Tank Mixtures: Citation 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 Citation in tank mixture with other pesticides, observe all directions for use and precautions on the respective tank mix label.

Add 1/2-2/3 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 Citation 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 Citation 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 until all of the mixture has been applied.

) Precautions: (1) Water-soluble pouches of Citation 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 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.

### Electrostatic Spraying Systems, Thermal Fogger Systems, or other Low Volume Systems

Citation has been evaluated and shown effective when applied through these application systems. To calculate the amount of

product to be applied, use the appropriate amount of Citation 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.

Rotation Crops

Other ornamental crops may be planted following harvest of a Citation treated crop. Do not rotate to any food crop except sweet corn, radishes, celery, head or leaf lettuce, cucurbits, peppers, or spinach. Do not plant sweet corn or radishes within 3 months after last application.

Special Precautions to Minimize Leafminer Resistance

Leafminers can develop resistance to Citation. Citation should not be used as the only control for leafminers. Make no more than three (3) applications at 7-day intervals then switch to Avid as an alternative control for the same period. When using Avid, refer to the Avid product labeling for all directions, restrictions and precautions.

Storage and Disposal

Store in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal. Do not use in animal feeds.

Storage - Do not store this product under wet conditions. Handle container carefully to avoid breakage of inner soluble pouch.

Pesticide Disposal: Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions, must be disposed of according to federal, state, or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

Container Disposal: Do not reuse outer container. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If 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 procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.



9910

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Causes moderate eye irritation. Harmful if swallowed, absorbed through the skin, or inhaled. Avoid contact with eyes, skin, or clothing. Avoid breathing dust.

Statement of Practical Treatment

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash with plenty of soap and water. If irritation develops or persists, get medical attention.

If in eyes: Flush with plenty of water. If irritation develops or persists, get medical attention.

If inhaled: Move victim to fresh air.

Personal Protective Equipment

Applicators and other handlers must wear:

- Coveralls worn over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Chemical-resistant apron when cleaning equipment, mixing, or loading

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.

Engineering Control Statements

When handlers use closed systems in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)]; the handler PPE requirements may be reduced or modified as specified in the WPS.

10 y 10  
Y

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.

Environmental Hazards

Do not apply directly to water, 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. Do not apply when weather conditions favor drift from target area.

Ground Water Advisory

A Citation metabolite has been found in ground water as a result of agricultural use. Use of this product in areas where soils are permeable and water tables are shallow could result in leaching to ground water. Irrigation could increase the risk of contamination.

Citation® trademark of Ciba-Geigy Corporation

Avid® trademark of Merck & Co., Inc.

©1994 Ciba-Geigy Corporation

Ciba Crop Protection  
Turf and Ornamental Products  
Ciba-Geigy Corporation  
Greensboro, North Carolina 27419

CGA 143L1A

March 22, 1990  
February 6, 1990  
March 7, 1990  
August 11, 1993 - WPS  
June 22, 1991

[GANNONC.LABELC]CITATIF2 - 10/24/94