

Dr. Robert E.M. Wurz  
Novartis Crop Protection  
P.O. Box 18300  
Greensboro, NC 27419

JUL - 5 2000

Dear Dr. Wurz:

Subject: Label Amendment  
Citation  
EPA Registration Number 100-667  
Your submission dated November 22, 1999 and June 26, 2000

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a) Replace the groundwater advisory statement with the exact language that was approved on the last accepted label for this product.
3. Submit two (2) 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 section 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,

George T. LaRocca  
Product Manager 13  
Insecticide Branch  
Registration Division (7505C)

Enclosure

2 3 11

6/22/00

Citation®

Accu-Pak®

INSECTICIDE

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

Active Ingredient:

Cyromazine: (CAS #66215-27-8) .....	75.0%
Other Ingredients: .....	25.0%
Total:	100.0%

Citation is a wettable powder.

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

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-667

EPA Est. 67545-AZ-1

Product of Great Britain

Formulated in the United States.

6 X 2.66 OUNCE  
Water-Soluble Packets

15.96 OUNCES  
TOTAL NET WEIGHT

NCP 667A-L1D 1099

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JUL - 5 2000

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

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.

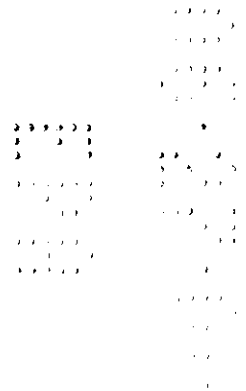
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**CONDITIONS OF SALE AND WARRANTY**

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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 Novartis Crop Protection, Inc. or the Seller. All such risks shall be assumed by the Buyer.

Novartis 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. **Novartis makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Novartis or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Novartis 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 Novartis.



**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 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 following directions for use, will control certain insect species on designated plants.

**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. Do not make more than a total of 6 applications to one crop.

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 to 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, 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 and/or cultivars 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 3 applications at 7-day intervals, then switch to Avid® as an alternative control for the same period. Following use of Avid, Citation may again be applied at 7-day intervals, if necessary for control. Do not make more than a total of 6 applications of Citation to one crop. When using Avid, refer to the Avid product labeling for all directions, restrictions and precautions.

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**STORAGE AND DISPOSAL**

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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**

Pesticide wastes are toxic. 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.

**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 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 require-



ments 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.

**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**

Melamine has been found in ground water, possibly 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.

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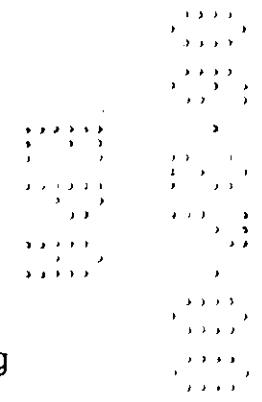
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Novartis Crop Protection, Inc.  
Turf and Ornamental Products  
Greensboro, North Carolina 27419

NCP 667A-L1D 1099

This booklet manufactured  
using post-consumer,  
recycled paper.

• [QUARK]CITATION/N-ACCU-PAK - CITATION - 6/22/00 - ccg



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BASE LABEL

Citation®

Accu-Pak®

INSECTICIDE

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EPA Reg. No. 100-667

EPA Est. 67545-AZ-1

6 X 2.66 OUNCE  
Water-Soluble Packets

15.96 OUNCES  
TOTAL NET WEIGHT

See directions for use in attached booklet.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

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