

432-1448

05/25/2007

116



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7504P)  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, D.C. 20460

EPA Reg. Number:  
432-1448

Date of Issuance:  
MAY 25 2007

NOTICE OF PESTICIDE:

- Registration
  - Reregistration
- (under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:  
Cyclanilide 18% SC

Name and Address of Registrant (include ZIP Code):

Bayer Environmental Science (Attention Mr. Mike Gorrell)  
P.O. Box 12014  
2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(B) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA Section 4.

2. The following conditional data must be submitted within 15 months from the date of this Notice – one year of storage stability and corrosion characteristics data conducted under GLP guidelines. The data submitted was not conducted under GLP as required by 40 CFR 160.135. With these data, provide detailed experimental parameters including analytical method, method verification, instruments used in the analysis, and the analytical data with the report.

3. You must submit two copies of a final printed label within 45 days from the date of this notice which makes the following change:

- A. Correct the spelling of "Cyclanilide" in the product name to "Cyclanilide"

Signature of Approving Official:

Tony Kish, Product Manager, Team 22  
Fungicide Branch  
Registration Division (7505P)

Date:

MAY 25 2007

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 copy of the label stamped "Accepted with comments" is enclosed for your records.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated 3/6  
MAY 25 2007

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
432-1448

# Cyclanilide 18% SC

FOR USE IN OUTDOOR NURSERY AND PLANT PRODUCTION FACILITIES  
DO NOT USE IN GREENHOUSES

ACTIVE INGREDIENT: Cyclanilide (1-[[[(2,4-Dichlorophenyl)amino]carbonyl]cyclopropanecarboxylic acid).....18%  
OTHER INGREDIENTS: .....82%  
TOTAL: .....100%

\*Contains 1.62 pounds cyclanilide per gallon.

EPA Reg. No. 432-RUUI

EPA Est. No.

## KEEP OUT OF REACH OF CHILDREN WARNING

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-800-334-9745

### FIRST AID

IF IN EYES	-Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. -Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	-Call a poison control center or doctor immediately for treatment advice. -Have person sip a glass of water if able to swallow. -Do not induce vomiting unless told to do so by a poison control center or doctor. -Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	-Take off contaminated clothing. -Rinse skin immediately with plenty of water for 15-20 minutes. -Call a poison control center or doctor for treatment advice.

### PRECAUTIONARY STATEMENTS

#### WARNING

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Harmful if swallowed. Avoid contact with skin or clothing. Wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves made of any waterproof material. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear protective eyewear, long-sleeved shirt, long pants, shoes plus socks, and chemical-resistant gloves made of any waterproof material.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product concentrate. Do not reuse them.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### User Safety Recommendations

Users must wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.  
Users must remove clothing immediately if pesticide gets inside. Then wash body thoroughly and change into clean clothing. The contaminated clothing should be washed before reuse.  
Users must remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Wash the outside of gloves before removing.

#### ENVIRONMENTAL HAZARDS

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 washwaters.

4/6

## 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 regulations. Read entire label before using this product.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

### PESTICIDE STORAGE

Store in original container and keep tightly closed. Store in a cool dry place.

### PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Wastes 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). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## GENERAL PRECAUTIONS AND RESTRICTIONS

For local recommendations on rates, spray volumes (gallons of water per acre), and spray equipment under varying temperature and rainfall conditions consult Bayer Environmental Science Representative for his experience with this product in your area (Telephone 800-331-2867).

## 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 intervals. 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 24 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; chemical resistant gloves made of any waterproof material; shoes plus socks; protective eyewear.

## Use Directions for Cycilanilide plant growth regulator

FOR USE IN OUTDOOR NURSERY AND PLANT PRODUCTION FACILITIES

DO NOT USE IN GREENHOUSES

### General Information

Branching is typically induced near actively growing terminals. In some plants, such as California pepper tree and Chinese flame tree (*Koelreuteria bipinnata*), buds also break in blank wood below the terminal shoot apex. Effects on auxin activity are temporary, usually about 3 weeks. Additional treatments may be made to continue the effect. Treatment intervals for each specific use need to be evaluated on a case-by-case basis.

This product may replace the need to prune off the terminal growth to induce branching or can be used in conjunction with pruning or pinching.

Prior to the production-scale use of this product small-scale on-site testing should be implemented for the specific site and variety to determine appropriate rate to provide desirable performance. Cycilanilide may be used in a program approach with other plant growth regulators, but it is recommended that all uses in a program with other plant growth regulators be evaluated on a case-by-case basis.

**Application**

Cyclanilide is applied as a broadcast spray. Spray foliage to drip. Entire plants or specific plant parts may be treated. Use of a non ionic adjuvant is recommended. Plants must be vigorously growing to achieve the branching response. This product is acidic. Application of cyclanilide on leaves treated with copper can result in leaf burn. Cyclanilide can be used in nursery sites on any non-bearing plant. However, testing on a small scale on-site should be conducted to identify performance and impact on plant quality prior to use on a large scale. Consider testing various rates, timing, and one vs. two applications for optimal response at each location. Results may vary from year to year.

**Use on Ornamentals and Cut Flowers**

The following are general guidelines. Plants must be in an active and vigorous growing condition at the time of application and for several weeks following the application. Consult the rate chart below for the correct amount of cyclanilide per gallon of water. Most varieties respond well to 1 to 2 applications of 50 to 200 ppm. Typically one application of 100 ppm is adequate. Responsive plants include Anise (*Illicium parviflorum*), Birch, Camellia, California pepper tree, Cherry, Chinese flame tree, *Codiaeum croton*, *Convolvulus* sp., Crabapple, Eastern redbud, *Euonymus* sp, *Ficus nitida*, Flowering quince, Hawthorn, Honey locust, Hydrangea, Indian hawthorn (*Raphiolepis indica*), Inkberry holly (*Ilex parviflorum*), Linden, Loquat, Oaks (*Quercus* sp), Oleander, Photinia, Rose, Spirea, *Xylosma senticosum*.

For Lilacs use 1-3 applications of 100-200 ppm one month apart to achieve the desired amount of branching.

Use 50 to 75 ppm rate range for Goldenrod (*Solidago*).

Some species respond to 5 to 20 ppm, including Bradford pears, and Myrtle (*Myrtus cummunis*).

Varieties that have been tested that did not exhibit desirable responses include: *Boronia*, *Capensis*, *Dieffenbachia*, *Daphne odora*, *Hosta*, *Jacaranda acutifolia*, *Nandina domestica*, Olive, *Pittosporum*, Norway and Red Maple, *Rhamnus*, , *Schefflera*, *Strawberry tree*, *Wisteria*.

**Use on fruit trees (non-bearing)**

Sweet cherry and Apple varieties: 1 to 2 applications of 50 to 100 ppm. Typically one application at 100 ppm provides acceptable branching. If using a two-spray regime, consider making the second application about 1 week later. Some reduction in growth of the central leader may be observed with two applications.

Pear and Plum varieties: 1 application of 5 to 20 ppm. Typically 10 to 20 ppm provides acceptable branching.

Treatments to nectarine have not been effective.

**Application timing for fruit trees (non-bearing)**

The following information is for initial guidelines for application timing. It is important to have a vigorously growing plant at the time of application and for several weeks following application to obtain satisfactory branching and good development of new branches.

Induced branching of cherries tends to occur 4 to 8 inches above the height of the terminal shoot apex at the time of application. Induced branching in apples, occurs about 1 to 4 inches below the height of the terminal shoot apex at the time of application.

**Cyclanilide Rate Chart**

Final Concentration PPM	Amount Cyclanilide per volume of water			
	1 gallon Water	50 gallons Water	100 gallons Water	100 gallons Water
1	.02 ml	1 ml	2 ml	.07 fl oz
5	.1 ml	5 ml	10 ml	.34 fl oz
10	.2 ml	10 ml	20 ml	.68 fl oz
20	.4 ml	20 ml	40 ml	1.35 fl oz
50	1 ml	50 ml	100 ml	3.38 fl oz
100	2 ml	100 ml	200 ml	6.76 fl oz
200	4 ml	200 ml	400 ml	13.53 fl oz
500	10 ml	500 ml	1000 ml	33.83 fl oz
1000	20 ml	1000 ml	2000 ml	67.65 fl oz

Do not tank mix Cyclanilide SC with pesticides or liquid fertilizers containing micronutrients.

6/6

Use Restrictions

- Do not apply more than 0.34 lbai/A per crop per year
- Do not apply more than 3 applications per crop per year

**WARRANTY STATEMENT**

**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the 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 Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

Produced for



**Bayer Environmental Science**

**Bayer Environmental Science  
A Business Group of Bayer CropScience LP  
PO Box 12014, 2 T. W. Alexander Drive  
Research Triangle Park, NC 27709**

Cyclanilide 18% SC (PENDING) Subm to EPA 8/11/05, RESUB 9/20/05, RESUB 11/07/06, Resub 11/21/06, Resub 04/23/07