

432-1476

4/24/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

APR 24 2009

Mr. Richard Gorrell
Manager, Registrations
Bayer Environmental Science
2 T.W. Alexander Drive
Research Triangle Park, NC 27709

RE: Notification of Alternate Brand Name: Tiberon SC
Registration Number: 432-1476
Submission Dated: February 2, 2009

Dear Mr. Gorrell:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated, February 2, 2009, for the product, Tiberon 2.8% SC. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-5479.

Sincerely yours,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 432-1476	2. EPA Product Manager Mr. Tony Kish	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Tiberon SC (plant growth regulator) Alternate Brand Name	PM# 22	NOTIFICATION APP 2/4/2009
5. Name and Address of Applicant (Include ZIP Code) Bayer Environmental Science 2 T. W. Alexander Drive Research Triangle Park, NC 27709 <input type="checkbox"/> Check if this is a new address		
6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is identical in composition and labeling to: EPA Reg. No. _____ Product Name _____		NOTIFICATION

Section - II

<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.
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Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA. Notification to add the alternate brand name Tiberon SC to the master label for Tiberon 2.8% SC.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt No. per container

3. Location of Net Contents Information
 Label Container

4. Size(s) Retail Container
 1 pint

5. Location of Label Directions

6. Manner in Which Label is Affixed to Product
 Lithograph Paper glued Stenciled Other _____

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Richard M. Gorrell	Title Manager, Registrations	Telephone No. (Include Area Code) (919) 549-2423
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Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.

2. Signature 	3. Title Manager, Registrations	6. Date Application Received (Stamped)
4. Typed Name Richard M. Gorrell	5. Date February 2, 2009	

Certification with Respect to Label Integrity

version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

PROPOSED LABEL		
EPA Registration #	Date Submitted to EPA	Electronic file name
432-1476	01/30/09	000432-01476.20090130.TiberonSC.pdf

I certify that the statements that I have made on this form are true, accurate, and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.



 Signature

01/30/2009

 Date

Anna B. Wilkins

 Name (typed)

Label Development Specialist

 Title

Bayer Environmental Science



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February 2, 2009

EPA09RMG0202TiberonSCNotifABN
Fedex

Ms. Linda Arrington
U.S. Environmental Protection Agency
Office of Pesticide Programs (7504P)
Document Processing Desk (NOTIF)
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

RE: Tiberon 2.8% SC (EPA Reg. No. 432-1476): Notification to Add the Alternate
Brand name Tiberon SC

Dear Ms. Arrington:

Bayer Environmental Science (BES) is submitting Tiberon SC name as an alternate brand
name for the Tiberon 2.8% SC master label.

The following information is contained in this submission:

1. EPA Forms 8570-1
2. 4 copies of the alternate brand name label (one on electronic disc)

If you have any questions, contact me at (919) 549-2423 or email me at
mike.gorrell@bayercropscience.com.

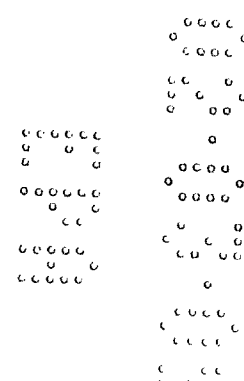
Sincerely,

Richard M. Gorrell
Manager, Registrations

Incl.

Cc: Karen Shearer
Matt Bradley
Don Myers

Bayer Environmental
Science
2 T. W. Alexander Drive
RTP, NC 27709
Phone : 919.549.2000



A Business Group of
Bayer CropScience

Tiberon SC

Ornamental Growth Regulator

FOR USE IN OUTDOOR NURSERY AND PLANT PRODUCTION FACILITIES

DO NOT USE IN A GREENHOUSE

ACTIVE INGREDIENT: Cyclanilide (1-[[[(2,4-Dichlorophenyl)amino]carbonyl]cyclopropanecarboxylic acid).....2.8%

OTHER INGREDIENTS: 97.2%

TOTAL: 100%

*Contains 0.24 pounds cyclanilide per gallon.

EPA Reg. No. 432-1476

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN WARNING AVISO

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:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • 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. 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 a 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 no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

NOTIFICATION

APR 24 2009

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 must 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.

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

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. 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.

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 a waterproof material; shoes plus socks; protective eyewear.

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.

Use Directions for Tiberon SC

General Information

Tiberon SC is a plant growth regulator that inhibits auxin activity, particularly in meristematic plant tissue. As a result, apical dominance is suppressed. This effect has resulted in increased branching of trees without the need to prune the central leader. Increased branching in shrubs and cut-flowers can also be achieved. Plants treated with Tiberon SC are often more compact than untreated plants.

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. Tiberon SC 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

Tiberon SC 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 may promote increased activity. Plants must be vigorously growing to achieve the branching response. This product is acidic. Application of Tiberon SC on leaves treated with copper can result in leaf burn.

Tiberon SC can be used in nursery sites on any non-bearing plant. However, testing on a small scale should be conducted on-site to determine 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. Any ornamental plant that has shown a desirable response to Tiberon SC may be considered as a candidate for application of this product. Consult the rate chart below for the correct amount of Tiberon SC per gallon or liter of water.

Most woody ornamentals respond well to 1 to 2 applications of 50 to 200 ppm. Typically one application of 100 ppm is adequate. Many herbaceous ornamentals respond to applications between 5 and 20 ppm.

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*).

Ornamentals that have shown a favorable response (increased branching) to Tiberon SC:

Common Name	Scientific Name
Abelia	<i>Abelia gaucherie</i>
Anise	<i>Illicium parviflorum</i>
Arizona redwood	<i>Vuaquelinia californica</i>
Azalea	<i>Rhododendron sp</i>
Barberry	<i>Berberis thunbergii</i>
Birch	<i>Betula spp</i>
Blueberry (non bearing ornamental)	<i>Vaccinium spp</i>
Bottle brush	<i>Callistemon lanceolatus</i>
California pepper tree	<i>Schinus molle</i>
Camellia	<i>Camellia spp</i>
Carissa	<i>Carrisa macrocarpa tuttlei</i>
Cherry	<i>Prunus spp</i>
Chinese flame tree	<i>Koelreuteria bipinnata</i>
Convolvulus	<i>Convolvulus spp</i>
Coneflower, Eastern purple	<i>Coneflower, Eastern purple</i>
Coreopsis	<i>Coreopsis rosea</i>
Crabapple	<i>Malus spp</i>
Crape myrtle	<i>Lagerstroemia sp</i>
Croton	<i>Codiaeum spp</i>
Eastern redbud	<i>Cercis canadensis</i>
Euonymus	<i>Euonymus alata</i>
Ficus	<i>Ficus nitida</i>
Flowering quince	<i>Chaenomeles spp</i>
Gardenia	<i>Gardenia jasminoides 'veitchii'</i>
Common hawthorn	<i>Crataegus spp</i>
Hibiscus (tropical)	<i>Hibiscus spp</i>
Honey locust	<i>Glidetsia triacanthos</i>
Hydrangea	<i>Hydrangea spp</i>

Common Name	Scientific Name
Indian hawthorn	<i>Raphiolepis indica</i>
Holly/inkberry	<i>Ilex glabra</i>
Holly	<i>Ilex crenata</i> 'Sky Pencil'
Holly/Burford	<i>Ilex cornuta</i> 'Bufordii'
Japanese ternstroemia	<i>Ternstroemia gymnanthera</i>
Little-leaf linden	<i>Tilia cordata</i>
Loquat	<i>Eriobotrya japonica</i>
Myrtle	<i>Myrtus</i> spp
Oak	<i>Quercus</i> spp
Oleander	<i>Nerium oleander</i>
Phlox	<i>Phlox paniculata</i>
Physocarpa	<i>Asclepias physocarpa</i>
Privet	<i>Ligustrum</i> spp
Purple coneflower	<i>Echinacea purpurea</i>
Rose	<i>Rosa</i> spp
Spirea	<i>Spirea</i> spp
Tree lilac	<i>Syringa reticulata</i>
Viburnum	<i>Viburnum tinus</i>
Xylosma	<i>Xylosma senticosum</i>

Ornamentals that have not shown a favorable response to Tiberon 2.8% SC:

Common Name	Scientific Name
Acacia	<i>Acacia redolens</i>
Acacia	<i>Acacia</i> spp
Blue Girl holly	<i>Ilex</i> spp
Boronia	<i>Boronia</i> spp
Butterfly bush	<i>Buddleia</i> spp
Cape honeysuckle	<i>Tecomaria capensis</i>
Cistus	<i>Cistus corbariensis</i>
Common buckthorn	<i>Rhamnus</i> spp
Desert pine	<i>Pinus eldarica</i>
Dieffenbachia/dumb cane	<i>Dieffenbachia seguine</i>
Dwarf schefflera	<i>Schefflera aboricola</i>
Heller Japanese holly	<i>Ilex crenata</i> 'Helleri'
Hosta	<i>Hosta</i> spp
Hydrangea	<i>Hydrangea macrophylla</i> 'Geoffrey Chadbunt'
Impatiens	<i>Impatiens capensis</i>
Jacaranda	<i>Jacaranda acutifolia</i>
Japanese pieris	<i>Pieris japonica</i> 'Cavatine'
Juniper	<i>Juniperus horizontalis</i> 'Blue Rug'
Maple	<i>Acer</i> spp
Mock orange	<i>Pittosporum tobira</i>
Nandina/Heavenly bamboo	<i>Nandina domestica</i>
Olive	<i>Olea europea</i>
Photinia	<i>Photinia</i> spp
Rhododendron	<i>Rhododendron</i> 'Golden Touch'
Schefflera	<i>Schefflera</i> spp
Star jasmine/confederate jasmine	<i>Trachelospermum jasminoides</i>
Strawberry tree	<i>Arbutus unedo</i>
Rosemary	<i>Rosemarinus officinalis</i>
Russian sage	<i>Perovskia atriplicifolia</i>
Variegated privet	<i>Ligustrum sinensis</i> 'variegata'
Viburnum	<i>Viburnum nudum</i>
Winter daphne	<i>Daphne odora</i>
Wisteria	<i>Wisteria</i> spp

Use on fruit trees (non-food only)

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-food only)

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.

Tiberon SC Rate Chart				
Cyclanilide	Amount Tiberon SC per volume of water			
ppm final concentration	ounces per gallon water	ounces per 100 gallons water	mL per liter water	mL per 100 liter water
1	0.0045	0.45	0.035	3.5
5	0.0220	2.20	0.180	18
10	0.0450	4.50	0.350	35
20	0.0900	9.00	0.700	70
50	0.2200	22.00	1.800	180
100	0.4500	45.00	3.500	350
200	0.9000	90.00	7.000	700
500	2.2400	224.00	18.000	1800
1000	4.5000	450.00	35.000	3500

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

Use Restrictions

- Do not apply more than 0.34 pound active ingredient per acre per crop per year
- Do not apply more than 3 applications per crop per year

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 or 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 CONSISTANT 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 CONSISTANT 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 CONSISTANT 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.

Net Contents:

PRODUCED FOR



Bayer Environmental Science

A BUSINESS GROUP OF BAYER CROPSCIENCE LP
P O BOX 12014 2 T. W. Alexander Drive
Research Triangle Park, NC

Tiberon SC (MASTER) 10/11/07, Notification 01/28/09, Notification 01-29-09, Notif01/30/09 for ABN.