

U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460

| EPA Reg. Number: | Date of Issuance |
|------------------|------------------|
|------------------|------------------|

62097-24

NOV 7 - 2008

NOTICE OF PESTICIDE:

X Registration
Reregistration

(under FIFRA, as amended)

Term of Issuance:
Conditional

Name of Pesticide Product:

Paclo 2SC

Name and Address of Registrant (include ZIP Code):

Registrant

Fine Agrochemicals Limited

Hill End House

Whittington, Worcester WR5 2RL

United Kingdom

Agent for Fine Agrochemicals Ltd.

c/o Frederick T. Smith

SciReg. Inc.

12733 Director's Loop

Woodbridge, VA 22192

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 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 section 3(c)(7)(A) 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 reregistration of your product under FIFRA Section 4.
 - 2. Make the following label changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 62097-24."

Signature of Approving Official:

Jawanda Margnan for

Tony Kish, Product Manager 22

Fungicide Branch, Registration Division (7505P)

Date:

11-7-08

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- b. In the third to the last sentence in the first paragraph in the "General Information" section on page 2 change "Paclo 2SC increases the density of roots and thereby improves..." to "Paclo 2SC may increase the density of roots and thereby improve...".
- c. In the second to the last sentence in the first paragraph in the "General Information" section on page 2 change "Paclo 2SC also imparts higher tolerance..." to "Paclo 2SC may also impart higher tolerance...".
- d. In the second paragraph in the "General Information" section on page 2 change "Paclo 2SC may be used on listed species in rights-of-way..." to "Paclo 2SC may be used on listed species in utility rights-of-way...".
- e. In the last sentence in the "Injection" subsection of the "APPLICATION METHODS" section on page change "DBH" to "diameter at breast height (DBH)".
- f. Change the third claim from the top in the "OPTIONAL MARKETING CLAIMS" section on page 6 from "Reduces regrowth between 40 and 90% [for 3 years]" to "Reduces regrowth up to 40 to 90% [for 3 years]".
- g. Change the start of the third claim from the bottom in the "OPTIONAL MARKETING CLAIMS" section on page 6 from "Helps to improve tree health..." to "Helps tree health...".
- 3. Submit one copy of the revised final printed label for the Agency's records 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.

Attachments: Product label stamped "ACCEPTED with COMMENTS"

Paclo 2SC **Plant Growth Regulator for Trees**

| Active Ingredient: Paclobutrazol (R^*, R^*) - (\pm) - β - $[(4$ -chlorophenyl) methyl]- α - $(1,1$ -dimethylethyl)- | 00.00 | macrated u | NOV | Adia en Haber |
|--|--------------|------------|-------|------------------|
| 1H-1,2,4-triazole-1-ethanol Other Ingredients: | <u>77.7%</u> | 3 | 7 - 2 | COM |
| Total: | 100.00% | 200 P | | OF DE |
| Contains 2 lbs. active ingredient per gallon. | r | . X . 45. | | 1 1 2 3 3 |

KEEP OUT OF REACH OF CHILDREN CAUTION

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

See Side/Back Panel for additional Precautionary Statements.

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Net Contents: 1/2 gallon (1.89 L)

1 gallon (3.78 L) 5 gallons (18.9 L)

| | FIRST AID |
|----------------------------------|--|
| 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. |
| 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. |
| Have the product cont treatment. | ainer or label with you when calling a poison control center or doctor or going for |
| | HOT LINE NUMBER |

Contact 1-800-858-7378 (National Pesticide Information Center [NPIC]) for emergency medical treatment information seven days a week, 6:30 a.m. to 4:30 p.m. Pacific Time (NPIC Web site: www.npic.orst.edu).

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, or 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 cleaning equipment or disposing of equipment wash water or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.

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 state or tribal agency responsible for pesticide regulation.

General Information

Paclo 2SC is a plant growth regulator that alters the vegetative growth of plants by inhibiting plant growth hormone (gibberellin) biosynthesis. Paclo 2SC is designed to predictably slow the growth of trees. One application effectively extends the trimming cycle of trees and reduces woody growth that must be removed. Paclo 2SC creates other beneficial plant growth effects. Paclo 2SC increases the density of roots and thereby improves drought and heat tolerance. Paclo 2SC also imparts higher tolerance to insects and diseases. Paclo 2SC may be applied by soil injection or basal soil drench.

Paclo 2SC may be used on listed species in rights-of-way, residential areas, non-crop areas, and other urban settings.

Indications of Tree Response:

Paclo 2SC is readily absorbed by plant roots and is translocated to the actively growing points. Initially, a greening of the foliage may occur in response to treatment. Long-term effects include: thicker shorter internodes, smaller leaves, and increased flowering.

Note: Response may take up to 18 months to occur.

General Use Precautions

- Apply at recommended rates and follow safety precautions.
- Non-bearing fruit or nut trees not specified on this label may be treated providing all other label directions are followed.
- Do not reapply Paclo 2SC until previous application effects start subsiding.
- Heavily compacted soils around trees may need to be aerated or receive remedial soil compaction treatment for Paclo 2SC to be effective in promoting root growth.
- Soil type and environmental conditions affect the degree and duration of Paclo 2SC responses.
 Carefully read and follow label instructions to ensure effectiveness.
- Avoid basal drench applications with Paclo 2SC on inclines or where treated soil is likely to be washed from the base of the tree by irrigation or rainfall.
- Temporary discoloration of turfgrass or other non-target plants immediately adjacent to the treatment site will occur if Paclo 2SC application over runs the area.
- Ornamentals, shrubs, or herbaceous plants close to treated trees may be affected if roots extend into the treatment zone.

- Do not treat maple trees or any other trees that will be tapped for sugar.
- Do not treat fruit or nut trees to be harvested within one year.
- Do not treat trees in severe stress or decline.
- Do not apply Paclo 2SC through any type of irrigation system.

APPLICATION METHODS

Injection

Inject diluted Paclo 2SC into soil approximately 3-6 inches deep under 50-200 psi using volumes from Table 2. Direct injection orifices to release the diluted product horizontally at the point of injection. Evenly divide the dose among injection sites. Space sites uniformly around the tree. Inject diluted Paclo 2SC solution at the point of contact between the soil and buttress roots. For trees less than 6 inches DBH, space at least 4 injection sites evenly around the tree.

Basal Soil Drench

Apply the required volume of diluted Paclo 2SC (See Table 2) evenly around the base of the tree in a furrow 3-5 inches deep. Make the application at the point of contact between the soil and the tree trunk.

Pour the diluted Paclo 2SC into the furrow using a controlled flow applicator. Fill trench with untreated soil after all liquid has been absorbed.

APPLICATION TIMING

For a manicured look, treat trees with Paclo 2SC 30-60 days prior to pruning. For a more natural look, apply Paclo 2SC at the time of pruning to allow for modest regrowth.

Soil applications can be made throughout the year. Do not apply to frozen or waterlogged soil. Note: When applied to the soil, Paclo 2SC is absorbed by tree roots and translocated to the growing points in response to transpiration. If treatment is made after leaf drop, Paclo 2SC will not be taken up until new leaves develop and transpiration resumes.

MIXING PROCEDURE

Mix only enough Paclo 2SC that can be used within that day. Agitate Paclo 2SC solution frequently during application. Mix 1 quart Paclo 2SC to make 3 gallons of finished solution. Add a suspension aid at a rate of approximately ½ to 2 pints per 100 gallons. To re-suspend the solution, use 1 to 2 pints per 100 gallons and follow all directions and precautions on the suspension aid product label.

Contact Fine Americas, Inc. at (888) 474-3463 for product updates or questions.

Table 1

| Application Rate Ranges for Diluted Mixture of Paclo 2SC for Treatment of Various Tree Species ¹ | | | | |
|---|------------------|------------------|--|--|
| 50 to 100 mL | 100 to 150 mL | 150 to 200 mL | | |
| (1-2 grams a.i.) | (2-3 grams a.i.) | (3-4 grams a.i.) | | |
| Per inch DBH | Per inch DBH | Per inch DBH | | |
| | | | | |
| Australian pine | Basswood | Alder | | |
| Dogwood | Beech | Ash | | |
| Redbud | Boxelder | Aspen | | |
| Sweetgum | Buckeye | Birch | | |
| _ | Catalpa | Bradford Pear | | |
| | Elm | Cedar, Red | | |
| | Hickory | Cherry, Black | | |
| | Horse Chestnut | Cottonwood | | |
| | Linden | Eucalyptus | | |
| | Locust, Honey | Hackberry | | |
| | Maple | Locust, Black | | |
| | Mountain Ash | Magnolia | | |
| | Olive, Russian | Mulberry | | |
| | Sassafras | Oak | | |
| Walnut Pines | | Pines | | |
| | Poplar | | | |
| 6/5/08 | | | | |

| Redŵc⊃d |
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| Sycamore |
| Willow |

Use the higher dosages for acidic soils or soils with high organic matter or clay content.

Table 2: Diluted Mixture Volumes of Paclo 2SC Required for Specific Application Rates and Tree Sizes:

| Specific Application Rates and Tree Sizes: | | | | |
|--|----------|----------|----------|----------|
| Diameter | | | | |
| of Tree at Breast | 50 mL | 100 mL | 150 mL | 200 mL |
| Height | per inch | per inch | per inch | per inch |
| (DBH) in | DBH | DBH | DBH | DBH |
| Inches | Total mL | Total mL | Total mL | Total mL |
| | Required | Required | Required | Required |
| 4 | 200 | 400 | 600 | 800 |
| 5 | 250 | 500 | 750 | 1000 |
| 6 | 300 | 600 | 900 | 1200 |
| 7 | 350 | 700 | 1050 | 1400 |
| 8 | 400 | 800 | 1200 | 1600 |
| 9 | 450 | 900 | 1350 | 1800 |
| 10 | 500 | 1000 | 1500 | 2000 |
| 11 | 550 | 1100 | 1650 | 2200 |
| 12 | 600 | 1200 | 1800 | 2400 |
| 13 | 650 | 1300 | 1950 | 2600 |
| 14 | 700 | 1400 | 2100 | 2800 |
| 15 | 750 | 1500 | 2250 | 3000 |
| 16 | 800 . | 1600 | 2400 | 3200 |
| 17 | 850 | 1700 | 2550 | 3400 |
| 18 | 900 | 1800 | 2700 | 3600 |
| 19 | 950 | 1900 | 2850 | 3800 |
| 20 | 1000 | 2000 | 3000 | 4000 |
| 21 | 1050 | 2100 | 3150 | 4200 |
| 22 | 1100 | 2200 | 3300 | 4400 |
| 23 | 1150 | 2300 | 3450 | 4600 |
| 24 | 1200 | 2400 | 3600 | 4800 |
| 25 | 1250 | 2500 | 3750 | 5000 |
| 26 | 1300 | 2600 | 3900 | 5200 |
| 27 | 1350 | 2700 | 4050 | 5400 |
| . 28 | 1400 | 2800 | 4200 | 5600 |
| 29 | 1450 | 2900 | 4350 | 5800 |
| 30 | 1500 | 3000 | 4500 | 6000 |
| 31 | 1550 | 3100 | 4650 | 6200 |
| 32 | 1600 | 3200 | 4800 | 6400 |
| 33 | 1650 | 3300 | 4950 | 6600 |
| 34 | 1700 | 3400 | 5100 | 6800 |
| 35 | 1750 | 3500 | 5250 | 7000 |
| 36 | 1800 | 3600 | 5400 | 7200 |

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Pesticide Storage: Keep container closed when not in use. Do not store near food or feed. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth, or synthetic absorbent. Remove to chemical waste area.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these 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.

Container Disposal (up to 2.5 gallons): Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ 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, if available, or puncture or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances. Batch code

Container Disposal {over 2.5 gallons}: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank. Fill the container ½ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or puncture or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances. Batch code

WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

FINE AGROCHEMICALS LIMITED ("FINE") warrants that this Product conforms to the specifications on this label. To the extent consistent with applicable law, FINE makes no other warranties and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. No agent of FINE or any other person is authorized to make any representation or warranty beyond those contained herein.

It is impossible to eliminate all risks associated with this Product. Plant injury, lack of performance, or other unintended consequences may result because of factors such as abnormal weather conditions, use of the Product other than in strict accordance with this label's instructions, presence of other materials, the manner of application or other factors, all of which are beyond the control of FINE or the seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

To the extent consistent with applicable law: 1) FINE disclaims any liability whatsoever for special, incidental or consequential damages resulting from the handling or use of this Product and 2) FINE's liability under this label shall be limited to the amount of the purchase price or, at the election of FINE, the free replacement of the Product.

Fine Agrochemicals Limited Hill End House Whittington Worcester, WR5 2RQ United Kingdom

OPTIONAL MARKETING &_AIMS

Reduced overhead line-trimming costs [up to 60%]

Reduced trimming and healthier trees mean customer satisfaction

Reduces regrowth between 40 and 90% [for 3 years]

Up to 90% reduced regrowth* [*on selected species]

A single application lasts up to 3 years

Promotes fine root density and enhances drought tolerance and insect/disease resistance

Promotes fine root density

Improves drought resistance

Improves heat resistance

Extends trimming cycles

Ideal for fast-growing trees to reduce growth

Reduces growth of trim-cycle-beater trees

Lower hot-spotting costs

Reduces overhead line interference and outages

Ideal for use on difficult to access trees

Helps to improve tree health [by increasing fine root density] [by reducing drought stress] [by slowing trunk and shoot growth of trees] [reduces effects of Bacterial Leaf Scorch]

One application may last up to 10 years on some species

Ideal for zone management on critical utility feeder lines

Protect investments in boulevard and parking lot trees