

67690-17

4/21/2003

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ACCEPTED

APR 21 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 67690-17

(Base Label):

(Logo) SePRO Corporation

Cutless* TP

Cutless TP is a trunk injected plant growth regulator for the reduction of growth and pruning frequency of ornamental trees.

Active ingredient:

flurprimidol: a-(1-methylethyl)-a-
[trifluoromethoxy]phenyl]-5-
pyrimidinemethanol.....99.3%

Inert Ingredients..... 0.7%

Total.....100.0%

When Cutless TP is diluted to 1 gallon with alcohol, the resulting solution contains 227.1 grams active ingredient per gallon (60 grams per liter).

Keep Out of Reach of Children

CAUTION PRECAUCION

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.)

Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful If Swallowed, Inhaled Or Absorbed Through The Skin • Causes Eye Irritation. Avoid breathing dust or spray mist and contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Personal Protective Equipment

Applicators and other handlers must wear:

- Eye protection such as goggles
- Long-sleeved shirt and long pants or coveralls
- Chemical-resistant gloves
- Shoes plus socks

| First Aid | |
|-------------------------------|--|
| 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 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 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. |
| If inhaled | <ul style="list-style-type: none"> • Move person to fresh air. |

| | |
|---|--|
| | <ul style="list-style-type: none"> • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice. |
| <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p> | |

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 cleaning equipment or disposing of equipment washwaters.

Refer to inside of label booklet for additional precautionary information and Directions for Use.

Notice: Read the entire label before using. Use only according to label directions. **Before buying or using this product, read "Warranty Disclaimer", "Inherent Risks of Use" and "Limitation of Remedies" inside label booklet.**

In case of emergency endangering health or the environment involving this product, call INFOTRAC at 1-800-535-5053.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 67690-17
FPL 040803

EPA Est. No. 5905-AR-01
SCXX-XXXX

*Trademark of SePRO Corporation
SePRO Corporation • Carmel, IN 46032 U.S.A.

Growth Regulator

Net Contents XXX

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(Datapack cover):

(Logo) SePRO Corporation

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(Page 1 through end):

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Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Not for use on plants grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

Storage and Disposal

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

Pesticide Storage: Store in original container only. Do not store after dilution with alcohol. In case of leak or spill, contain material and dispose as waste.

Pesticide Disposal: 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 Information

Cutless* TP plant growth regulator suppresses terminal growth of ornamental trees following trimming to allow the timing interval to be extended. Growth suppression is achieved by inhibition of gibberellin biosynthesis resulting in reduced internode elongation in terminal shoot growth. Smaller leaves and intensified greening occur in some species. Trunk injected treatments are translocated through the xylem to growing leaves and stems and provide long-term growth suppression without affecting other development and reproductive processes.

Cutless TP suppresses growth in a broad range of ornamental tree species. Cutless TP may be injected into trees with actively transpiring leaves. Conditions favoring rapid transpiration reduce the time required for tree injection. Where pruning is required, best results will be achieved when application is made prior to or in conjunction with pruning. Growth suppression may not be evident until the year following treatment. Repeat application can be made after growth regulator effects start to decline.

Use Precautions

Cutless TP should not be applied to trees under the following conditions:

- Trees that appear to be unhealthy or diseased
- Sugar maple trees or any other trees that may be tapped for sugar
- Fruit or nut trees that may be harvested within one year after application

Mixing Directions

Fill the one gallon container containing Cutless TP to approximately 3/4 full with isopropanol (containing no more than 9% water). Replace the lid and shake for approximately one minute to help dissolve the compound. Allow the container to stand for about five minutes and then fill to one gallon with additional alcohol. Mix the solution again for one minute and check to make sure the compound is completely dissolved. Make solution only as required. Do not store after dilution with alcohol.

Tree Injection Techniques

Cutless TP should be injected in a manner which results in even distribution throughout the tree. Specialized tree trunk injection equipment should be used which will meter the appropriate amount of Cutless TP solution into the injection sites. The number of injection holes needed per tree should be determined by measuring the tree diameter at the injection height. Injection holes should be uniformly spaced around the tree trunk just above the root flare. Injection holes should be spaced no greater than 8 inches apart. Since xylem arrangement in trees can affect distribution of Cutless TP, the professional user may determine that a more narrow injector spacing is required to achieve uniform growth suppression in certain tree species.

Drill injection holes horizontally into the tree trunk at a 45 to 60-degree angle to the surface plane of the trunk to intercept the outer sapwood. Avoid knots, wounds and areas of compression wood. Bleeding of materials from injection holes can be minimized if holes are drilled with a slight downward slope. Injection holes should be 2 1/2 to 3 inches in depth and drill diameter should allow for tight injector fit without leakage during injection. Use sufficient injection pressure to facilitate rapid uptake. Holes may be plugged after treatment.

Application Rates for Cutless TP Solution¹

Cutless TP solution, when mixed as directed, contains 60 grams of active ingredient per liter (1 gram of active ingredient per 16.7 ml of solution).

Use the table below to determine the amount of Cutless TP solution to be injected per hole for four (4) inch, six (6) inch or eight (8) inch injector spacings. An application rate of 0.75 to 1.0 grams active

ingredient per inch of tree diameter (at injection height) is required to produce acceptable growth suppression in most trees. When the tree crown has been severely reduced in size due to pruning, a rate of 0.5 grams active ingredient per inch of tree diameter may be used for optimum growth suppression. Up to 1.5 grams active ingredient per inch of tree diameter may be used to suppress certain species such as melaleuca.

| Application Rate (Grams per inch of Tree Diameter) | 4-inch Hole Spacing (ml per hole) | 6-inch Hole Spacing (ml per hole) | 8-inch Hole Spacing (ml per hole) |
|--|--------------------------------------|--------------------------------------|--------------------------------------|
| 0.50 | 11 | 16 | 21 |
| 0.75 | 16 | 24 | 32 |
| 1.00 | 21 | 32 | 42 |
| 1.50 | 32 | 48 | 64 |

¹ If trees smaller than 6 inches in diameter require injection, use at least three injection holes equally spaced around the trunk. For the rate desired, use the injection volume that most closely corresponds to the spacing of the drilled holes. For example, if the drilled holes are about four (4) inches apart, use the injection volume corresponding to the desired rate and a 4-inch spacing. For a 3-inch spacing, use one-half the injection volume for a 6-inch spacing, etc.

Ornamental Tree Species

Cutless TP exhibits broad spectrum growth regulator activity on ornamental trees. Growth regulator activity from tree injection application has been demonstrated in ornamental tree species listed below. For ornamental tree species not listed, a starting rate of 0.75 gram of active ingredient per inch of diameter is recommended to reduce the chance of over regulation.

Precaution: Cutless TP is not recommended for application on conifers (e.g., pine, spruce, fir or juniper).

| Common Name | Scientific Name |
|---------------------|--|
| Alder, red | <i>Alnus rubra</i> |
| Ash | <i>Fraxinus spp.</i> |
| Aspen | <i>Populus tremuloides</i> |
| Blackolive | <i>Bucida buceras</i> |
| Black cherry | <i>Prunus serotina</i> |
| Black locust | <i>Robinia pseudoacacia</i> |
| Black walnut | <i>Juglans nigra</i> |
| Boxelder | <i>Acer negundo</i> |
| Cottonwood | <i>Populus deltoides</i> |
| Dogwood | <i>Cornus florida</i> |
| Elm, American | <i>Ulmus americana</i> |
| Elm, Chinese | <i>Ulmus parvifolia</i> |
| Elm, Siberian | <i>Ulmus pumila</i> |
| Elm, winged | <i>Ulmus alata</i> |
| Blue Gum Eucalyptus | <i>Eucalyptus globulus</i> |
| Hackberry | <i>Celtis spp.</i> |
| Maple, Norway | <i>Acer platanoides</i> |
| Maple, red | <i>Acer rubrum</i> |
| Maple, silver | <i>Acer saccharinum</i> |
| Maple, sugar | <i>Acer saccharum</i> (Not tapped for sugar) |
| Melaleuca | <i>Melaleuca quinquenervia</i> |
| Oak, laurel | <i>Quercus laurifolia</i> |
| Oak, live | <i>Quercus virginiana</i> |
| Oak, pin | <i>Quercus palustris</i> |
| Oak, post | <i>Quercus stellata</i> |
| Oak, red | <i>Quercus rubra</i> |
| Oak, southern red | <i>Quercus falcata</i> |
| Oak, water | <i>Quercus nigra</i> |
| Oak, willow | <i>Quercus phellos</i> |

| | |
|---------------------|--------------------------------|
| Pine, Australian | <i>Casuarina equisetifolia</i> |
| Sugarberry | <i>Celtis laevigata</i> |
| Sweetgum | <i>Liquidambar styraciflua</i> |
| Sycamore | <i>Platanus occidentalis</i> |
| Tallowtree, Chinese | <i>Sapium sebiferum</i> |
| Willow, black | <i>Salix nigra</i> |

Warranty Disclaimer

SePRO Corporation warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. SEPRO CORPORATION MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks Of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label such as unfavorable temperatures, soil conditions, ect.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner or application, or other factors, all of which are beyond the control of SePRO Corporation as the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories) shall be limited to, at SePRO Corporation's election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

SePRO Corporation shall not be liable for losses or damages resulting from handling or use of this product unless SePRO Corporation is promptly notified of such losses or damages in writing. In no case shall SePRO Corporation be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies can not be varied by any written or verbal statements or agreements. No employee or sales agent of SePRO Corporation or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or Limitations of Remedies in any manner.