

10182-266

4-3-89

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<p>US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460</p> <p>NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</p>	<p>EPA REGISTRATION 10182-266</p> <p>DATE OF ISSUANCE APR - 3 1989</p> <p>TERM OF ISSUANCE</p> <p>NAME OF PESTICIDE PRODUCT Clipper 2.56% DF Tree Growth Regulator</p>
<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</p> <p>ICI Americas, Inc. Agricultural Products New Murphy Road & Concord Pike Wilmington, DE 19397</p>	
<p>NOTE: Changes in labeling formula 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 U.S. EPA registration number.</p>	
<p>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.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this 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.</p> <p>This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) 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: <ol style="list-style-type: none"> a. Add the phrase "EPA Registration No. 10182-266." b. Change the active ingredient percentage statement from 2.51% to 2.56%. Make the appropriate adjustment to the inert ingredient statement. c. Under "Precautionary Statements," add "Harmful or fatal if swallowed." 3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-74 enclosure for a further description of final printed labeling. <p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p>	
<p>SIGNATURE OF APPROVING OFFICIAL [Signature]</p>	<p>DATE 4/3/89</p>

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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.

Robert J. Taylor
Product Manager (25)
Fungicide-Herbicide Branch
Registration Division (H7504C)

Enclosure

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Front Panel

CLIPPER® E 20 UL

Tree Growth Regulator

For Ornamental Trees

ACTIVE INGREDIENT

Paclobutrazol

(±)-(R*,R*)-β-[(4-chlorophenyl)methyl]-α-(1,1-dimethylethyl)-1H-1,2,4-

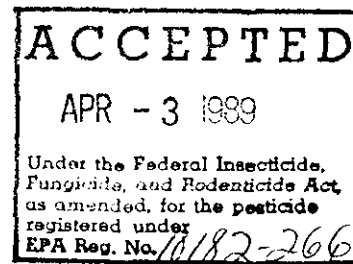
triazole-1-ethanol. 2.51% ✓

INERT INGREDIENTS 97.49% ✓

TOTAL. 100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER



See side panel for additional precautionary statements and statement of practical treatment.

(ICI Logo) Agricultural Products
Wilmington, Delaware 19897
A Business Unit of ICI Americas Inc.

U.S. Patent No. 4,243,405
EPA Est. No.
Net Contents:

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Side Panel

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

CAUSES IRREVERSIBLE EYE DAMAGE. REPEATED/PROLONGED CONTACT CAUSES SKIN IRRITATION. HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE ALLERGIC SKIN REACTIONS. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors. Wear goggles, face shield, or safety glasses and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse. ✓

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with a steady gentle stream of water for 15 minutes. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. If redness, itching or a burning sensation develops, get medical attention.

IF SWALLOWED: If victim is conscious, give one or two glasses of water to drink and induce vomiting by sticking finger down throat. Repeat until vomitus is clear. Never give anything by mouth to an unconscious person. Get medical attention.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

For 24-hour emergency assistance, call ICI Americas Medical Emergency Information Center at 1-800-327-8633 (1-800-FAST-MED).

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water when disposing of equipment wash waters.

In case of significant spill call CHEMTREC at 1-800-424-9300.

PHYSICAL OR CHEMICAL HAZARD: FLAMMABLE. Do not use or store near heat source or open flame. Do not use in vicinity of pilot lights. Treat all spills, leaks, and waste material as being flammable.

IN CASE OF FIRE: Use dry chemical, alcohol foam, or carbon dioxide. Water may be ineffective.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This labeling must be in possession of the user at the time of application.

GENERAL INFORMATION

CLIPPER E 20 UL can be used on amenity trees such as utility right-of-ways, urban environments and other non-crop areas.

CLIPPER E 20 UL extends tree-trimming cycles by slowing regrowth of treated trees, allowing longer intervals between trimmings. This effect is achieved by inhibiting gibberellin biosynthesis which results in long-term retardation and internode compression on a wide range of trees. CLIPPER E 20 UL shows little or no phloem mobility. Activity occurs by xylem translocation from trunk injections. Once activated, CLIPPER E 20 UL results in intensified green of foliage with no phytotoxicity. Applications can enhance flowering in some species.

Control Symptoms: Results may not be visible following application of CLIPPER E 20 UL until up to 12 months after application. Initial effects of CLIPPER E 20 UL will be observed as an intense greening of foliage. At the time that normal vegetative growth extension should occur, trees treated with CLIPPER E 20 UL will exhibit shortened internodes which are somewhat thickened. Smaller leaf size and enhanced flowering may also be observed in some species.

APPLICATION DIRECTIONS

Do not dilute CLIPPER E 20 UL with water or solvents.

Apply throughout the year, weather permitting.

Do not reapply CLIPPER E 20 UL until effects of previous applications wear off or within 3 years of last application, whichever comes first.

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Table 1

CLIPPER E 20 UL TRUNK INJECTION
INJECTOR SPACING AND VOLUME PER HOLE

Tree Species		Injector Spacing (inches)	Volume/hole* (fl. oz.)(ml)	
Norway Maple	(<u>Acer Platanoides</u>)	6	1.32	37.5
Red Maple	(<u>Acer rebrum</u>)	6	1.32	37.4
Silver Maple	(<u>Acer saccharinum</u>)	6	1.32	37.5
Sugar Maple	(<u>Acer saccharum</u>)	6	1.32	37.5
Australian Pine	(<u>Casuarina equisetifolia</u>)	8	2.64	75
Sweetgum	(<u>Liquidambar styraciflua</u>)	8	1.32	37.5
Laurel Oak	(<u>Quercus laurifolia</u>)	8	2.64	75
Water Oak	(<u>Quercus nigra</u>)	8	2.64	75
Willow Oak	(<u>Quercus phellos</u>)	6	2.64	75
Live Oak	(<u>Quercus virginiana</u>)	8	2.64	75
Chinese Elm	(<u>Ulmus parvifolia</u>)	8	2.64	75
Siberian Elm	(<u>Ulmus pumila</u>)	8	2.64	75
California Sycamore	(<u>Platanus racemosa</u>)	4	5.28	150
Blue Gum Eucalyptus	(<u>Eucalyptus globulus</u>)	6	3.52	100
Red Ironbark Eucalyptus	(<u>Eucalyptus sideroxylon</u>)	6	3.52	100
Lemon Gum Eucalyptus	(<u>Eucalytus malculata</u> var. <u>citriodora</u>)	6	3.52	100

* Extremely vigorous trees may require higher than recommended volumes; however, do not exceed 5.28 fl. oz./hole (150 ml/hole). For species requiring 2.64 fl. oz./hole (75 ml/hole) or more, reduce volume by 50% if trunk diameter is 10 inches or less.

Note to User*: Since xylem arrangement in trees can affect distribution of CLIPPER E 20 UL, narrow (4 inch) injector spacing may be required in certain tree species. The professional user should determine the proper injector spacing to be used on tree species not specifically mentioned in Table 1. If in doubt, use the 4 inch spacing method.

Injection Techniques:

Injection holes should be uniformly spaced around the tree trunk and within 2 feet above the soil surface.

Drill injection holes angled slightly downward into the trunk at 30°-45° angle to the plane of the trunk to intercept the outer sapwood. Injection holes should not exceed 2½ inches (6.3 cm) in depth and 7/32 inches (5.5mm) in width.

Use appropriate trunk-injection equipment capable of injection pressures from 50 to 100 psi.

PRECAUTIONS

- Do not treat trees that do not appear healthy.
- Do not treat sugar maple trees or any other trees that are or could be tapped for sugar within one year.
- Do not treat nut or fruit trees that will be harvested within one year.
- Do not apply to trees which are stressed due to moisture, temperature, low soil fertility or mechanical or chemical injury.
- Apply at the recommended rate. Follow safety precautions.

STORAGE AND DISPOSAL

STORAGE: Keep container closed and store in cool environment when not in use. Do not store near food or feed. 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 acutely hazardous. Do not contaminate water, food, or feed by storage or disposal. 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 Protection Agency, or the hazardous waste representative of the nearest EPA Regional Office for guidance. Because of a flash point below 140° F, discarded product is hazardous waste, No. D001 under RCRA, 40 CFR 261.21. Dispose of in a facility permitted for hazardous waste.

CONTAINER DISPOSAL: Do not distribute, make available, furnish, or reuse empty container except for storage and shipment of original product. Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture or otherwise destroy empty container and dispose of in a facility permitted for nonhazardous waste. Plastic containers: Triple rinse (or equivalent). Then puncture or otherwise destroy empty container and dispose of in a facility permitted for nonhazardous waste. Glass Containers: Triple rinse (or equivalent) and dispose of in a facility permitted for nonhazardous waste.

NOTICE TO BUYER AND USER: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller, and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.