

64014-9

06/30/2004

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Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0080, Approval expires 2-29-97



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OIP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Florida Silvics, Inc. / 64014-9	2. EPA Product Manager Dan Kenny	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) Florida Silvics, Inc. / HARPOON	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) Dr. Roger Webb Florida Silvics, Inc. 950 S.E. 215th Ave. Morrison, FL 32668 <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 similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION JUN 30 2004
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below. Notification of Added Insect Pest per PR Notice 98-10	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This application is to notify EPA of the addition of a non-food-producing tree species (hemlock) to the HARPOON label in order to better control the hemlock woolly adelgid. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other (Over)

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<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. 1.5 oz	No. per container 100	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 64 mL (max) tree injection unit		5. Location of Label Directions <input checked="" type="checkbox"/> shipping carton	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Roger S. Webb, Ph.D.	Title President	Telephone No. (Include Area Code) 352/528-5335
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 or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title President	
4. Typed Name Roger S. Webb	5. Date May 5, 2004	

PROPOSED LABEL AMENDMENT 24

RESTRICTED USE PESTICIDE

Due to Reproductive Effects

For sale to and use only by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicators' certification. Direct supervision for this product is defined as the certified applicator being physically present during application, mixing, loading, equipment repair, and equipment cleaning. Certified applicators must ensure that all persons involved in these activities under their direct supervision are informed of the precautionary statements.

HARPOON®

FOREST, ORNAMENTAL, NON-CROP-BEARING AND CHRISTMAS TREE INSECTICIDE

Containing METASYSTOX®-R Insecticide for Effective Systemic Protection

This product is an Organophosphate Insecticide

ACTIVE INGREDIENT:

S-[2-(Ethylsulfanyl) ethyl] 0,0-dimethyl phosphorothioate 50%

INERT INGREDIENTS 50%
100%

Contains aromatic petroleum distillate
MetaSystox R is a Reg. TM of the Gowan Co.

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

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).

STATEMENTS OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with steady, gentle stream of water for 15 minutes. Call a physician.

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

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF ON SKIN: Remove contaminated clothing and immediately wash affected area with soap and water. Get medical attention. Wash clothing before reuse. If poisoning occurs, obtain medical aid immediately.

SEE ANTIDOTE AND OTHER PRECAUTIONARY STATEMENTS ON SIDE PANEL

NET WEIGHT 0.1 oz. per injector (equiv. to 3 mL per injector)
EPA REG. NO. 64014-9 EPA EST. NO. 64014-FL-001

TREE TECH® MICROINJECTION SYSTEMS
950 SE 215th Ave, Morriston, FL 32668 U.S.A.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER: Causes irreversible eye damage. May be fatal if inhaled, swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor. Remove contaminated clothing and wash before reuse. Do not contaminate feed or food.

SYMPTOMS OF POISONING

A sense of tightness in the chest, sweating, contracted pupils, stomach pains, vomiting and diarrhea.

NOTE TO PHYSICIAN - ANTIDOTE

Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine. Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

PERSONAL PROTECTIVE EQUIPMENT AND WORKER SAFETY STATEMENTS

REPEATED EXPOSURE TO CHOLINESTERASE INHIBITOR SUCH AS THOSE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP WORK, and get help right away.

See Statements of Practical Treatment on this label.

HANDLE THE TREE TECH MICROINJECTION UNITS ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT: Long-sleeved shirt, long-legged pants, chemical resistant shoes or boots plus socks, chemical resistant gloves such as barrier laminate or viton ≥ 14 mils., goggles, safety glasses or face shield. If used in areas of limited ventilation wear a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approved number prefix TC-23C) or a cannister approved for pesticides (MSHA/NIOSH approved number prefix TC-14G). If product is handled indoors provide adequate mechanical ventilation.

USER SAFETY RECOMMENDATIONS

IMPORTANT: If pesticide comes in contact with skin, wash off with soap and water and contact a physician immediately. Before removing gloves wash them with soap and water. Always wash hands, face and arms with soap and water before smoking, eating, drinking or toileting

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not contaminate water when disposing of equipment wash waters.

PHYSICAL OR CHEMICAL HAZARDS

FLAMMABLE - Keep away from 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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR 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), restricted-entry interval, and notification to workers.

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 regulation. **IMPORTANT:** Read these entire **Directions and Conditions of Sale** before using HARPOON insecticide.

PRECAUTIONARY REMINDERS

1. Protective eye wear (goggles, safety glasses or face shield) and chemical resistant gloves such as barrier laminate or viton ≥ 14 mils. must be worn while handling or installing the injector units. See sections dealing with protective clothing.
2. When properly installed, the injector unit generates internal pressure resulting in the flow of HARPOON solution through the dispenser tube. The injector unit must never be activated unless installed correctly and securely in the tree to be treated.
3. Injector units containing HARPOON may require up to several minutes or more to empty depending on the health of the treated tree and local weather conditions. Never assume that injector units have depressurized completely because they appear nearly empty or empty. When removing injector units, individuals must wear eye protection and chemical resistant gloves such as barrier laminate or viton ≥ 14 mils. The individual should then cover the injector unit with one hand near the point of the insertion into the stem while grasping the barrel end of the injector unit with the other hand. The injector unit should be turned slightly as it is slowly withdrawn from the tree.
4. Discard used injector units according to INJECTOR (CONTAINER) DISPOSAL in STORAGE AND DISPOSAL statement.

USE RESTRICTIONS

Do not inject trees that are less than two inches in diameter.
Do not inject trees within two weeks of any other spray or soil chemical treatment. Do not treat trees that are suffering from stress such as lack of moisture or herbicide damage.

Do not use on trees which will produce food within the year following treatment (such as nuts, berries, maple syrup, etc.).

SITES, PESTS AND APPLICATION TIMING

Plant	Insect/Pest	Remarks
Cedars	Bark beetles	Treat any time from early spring thru October. Repeat after new invasion.
Cottonwoods	Aphids	Apply when wingless forms appear
Douglas-fir	Cone moths Engraver beetles	Apply to heavy, current cone crop trees during or shortly after eggs are laid Treat any time from early spring through October. Repeat after new invasion
Elms	Elm leaf beetles	Apply after eggs are present or during early larval stage
Hemlock	Hemlock woolly adelgid	Apply in early spring (April/May) after the crawler stage appears. Treat again in mid-summer if the infestation is still present.
Junipers	Bark beetles	Treat any time from early spring through October. Repeat after new invasion.
Pines (Except Pinion)	Engraver beetles (6 spined) Engraver beetles (Monterey) Flathead borer Mountain pine beetle Red turpentine beetle Black turpentine beetle Western pine beetle Jeffrey needle miner Mites Nantucket pine tip moth Pine needle aphid Pine needle scale	Treat anytime from early spring thru October. Repeat after new invasion. April to June Apply after mite eggs hatch Treat when larval damage first appears Apply when wingless forms appear Apply when crawlers appear
Redwood	Bark beetles Mites Needle scale	When active infestation sites are present Apply after mite eggs hatch Apply when crawlers appear
Spruce	Adelgids Mites	Apply in May-June Apply after mite eggs hatch

INSTALLING INJECTOR UNITS

- Determine the number of injector units to be installed based on: (a) the target insect pest(s); (b) stem circumference at breast height, and (c) the registered dosage rate as administered by proper spacing of injector units around the stem circumference. Unless otherwise noted, injector units should be installed in the lower stem and root flares near the ground line, i.e. 6 to 8 inches (15 to 20 cm) from the soil surface.
- Using a portable electric drill with a sharp, clean 11/64 inch (0.4 cm) bit, the installer

should drill a hole at the correct stem circumference spacing to a depth of 1/4 to 1/2 inch (0.6 to 1.3 cm) into the wood (xylem) under the bark. A slight downwardly drilling angle is recommended for more complete drainage of the injector unit.

3. After reaching the proper depth range, the drill bit should be withdrawn carefully to avoid dislodging bark fragments around the exterior opening of the hole. The rear barrel portion of the injector unit should be compressed partially and the injector unit should be inserted into the hole. Placing the plastic installation cap over the rear barrel end, strike the cap with a plastic hammer to seat the injector unit firmly in the hole. If the injector unit is not properly positioned in the hole, strike the cap again until correctly seated. By striking the injector unit, the back of the feeder tip is forced back into the funnel-shaped section dislodging a septum which allows the HARPOON solution to flow from the injector unit into the tree. When the injector unit is positioned correctly in the tree and the internal septum is dislodged to permit the flow of HARPOON, remove the cap and, if necessary, push the rear barrel portion of the unit further downwardly until it is flush with the edge of the locking mechanism. This engages the locking mechanism which pressurizes the injector unit and assists in the evacuation of HARPOON from the injector unit and movement into the vascular system of the tree.

4. Each hole should be drilled and an injector unit installed without undue delay. After the injector is properly seated, it should be activated. This sequence minimizes the flow of tree sap or resin into the hole prior to injection.

5. Disinfect the drill bit between the injection of each tree with a mixture of 1 part household bleach to 4 parts water.

RECOMMENDED APPLICATIONS

Install one (1) Tree Tech injector unit containing HARPOON insecticide for every 6 inches of tree trunk circumference.

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food or feed by storage. Do not reuse empty containers. Do not store in the home, car or office. Store injector units in a locked, cool, dry, storage area out of the reach of children. Do not expose to temperatures below 32 F.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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.

INJECTOR: (CONTAINER) DISPOSAL: Do not reuse injector units. Used injector units should be placed in the heavy-duty plastic bag which accompanies each case of injector units. The bag must be properly sealed, placed into the original shipping carton and returned freight prepaid for disposal to Tree Tech® Microinjection Systems, 950 215th Ave, Morriston, FL 32668.

CONDITIONS OF SALE: The directions on this label were determined through research to be the directions for correct use of this product. This product has been tested for a range of weather conditions similar to those weather conditions that are ordinary and customary in the geographic areas where the product is used. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather, or from failure to follow label directions. In addition, failure to follow label directions may cause injury to other crops, animals, or man, or the environment. Tree Tech Microinjection Systems offers and the buyer accepts and uses this product subject to the conditions that extraordinary or unusual weather, or failure to follow label directions, are beyond the control of Tree Tech® Microinjection Systems Inc. and are, therefore, the responsibility of the buyer.

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Tree Tech[®] **microinjection systems**

June 4, 2004

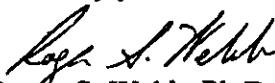
Mr. Dan Kenny, PM #1
U.S. Environmental Protection Agency 7505C
Ariel Rios Building
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

Dear Mr. Kenny:

Please find attached my documents in support of a notification to amend the insecticide label (64014-9) for HARPOON,[®] an organophosphate insecticide used in my firm's patented tree injection device for ornamental plant pest control. Specifically, I am adding the hemlock woolly adelgid to the insect pest list for hemlock trees.

I would appreciate your prompt review of this notification. If there are any questions, please contact me (800/622-2831) at your convenience. Thank you very much for your consideration.

Sincerely yours,


Roger S. Webb, Ph.D.
President

