VIVID® II

Contains ABAMECTIN insecticide and miticide applied internally by TREE TECH microinjection system for control of mites, aphids, scales and other insect pests of ornamental trees.

ACTIVE INGREDIENT:	
Abamectin (a mixture of avermectin containing a minimum of 80% avermectin B1a (5-0-demethyl avermectin A1) and a maximum of 20% avermectin B1b (5-0-demethyl-25-de (1-methylpropyl)-25-(1–methylethyl) avermectin A1)	1.0%
OTHER INGREDIENTS..	99.0%
TOTAL:	100.0%

U.S. Patent No. 4,310,519
VIVID II is a Reg. TM of Florida Silvics, Inc.

EPA Reg. No. 64014-10
EPA Est. No. 64014-FL-001

STOP: READ THE LABEL BEFORE USE

FOR USE BY COMMERCIAL ARBORISTS (APPLICATORS)

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.)

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 the poison control center or doctor. ▪ Do not give anything to an unconscious person.
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.
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 inhaled:	▪ Move person to fresh air. ▪ 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.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the Infotrac Chemical Emergency Response System at 1-800-535-5053 for emergency medical treatment information.

NOTE TO PHYSICIAN

Recommendations for medical treatment for Abamectin B1 Acute Toxicity:

TOXICITY: Early signs of intoxication include mydriasis (dilated pupils), ataxia (unsteadiness), and muscle tremors. Toxicity following accidental ingestion of the concentrate can be minimized by inducing vomiting within one half hour of exposure**.** If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenternal fluid replacement therapy should be given, along with other required supportive measures (Such as maintenance of blood pressure levels) as indicated by clinical signs, symptoms and measurements. In severe cases, observation should continue for at least several days until clinical condition is stable and normal. Since abamectin is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic abamectin exposure.

SEE REAR PANEL FOR STATEMENTS OF PRACTICAL TREATMENT AND OTHER PRECAUTIONARY STATEMENTS

NET CONTENTS: Each microinjection unit contains 2 mL (0.019 gm a.i). abamectin systemic insecticide solution. There are 100 microinjection units (200 mL total) per case.

Sold by:
FLORIDA SILVICS, INC.
(dba Tree Tech Microinjection Systems)
950 S.E. 215th Avenue
MORRISTON, FL 32668 USA
(352) 528-5335

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: May be fatal if swallowed. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. . Harmful if inhaled or absorbed through the skin. Avoid contact with skin. Prolonged or frequently repeated exposure may cause allergic skin reactions in some individuals. Avoid breathing vapors.

User Safety Requirements
Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)**:**

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber or polyvinyl chloride. If you want more options, follow the instructions for category B on an EPA chemical-resistance category selection chart.

Handlers must wear:
- long-sleeved shirts and long pants
- shoes plus socks
- chemical-resistant gloves
- protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. 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 disposing of equipment wash water or rinsate.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Apply as a post-bloom injection only.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

Attention:
This product contains a chemical (N-methyl pyrrolidone) known to the State of California to cause birth defects or other reproductive harm.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible.

VIVID II systemic insecticide is for use by commercial applicators on all species of ornamental and non-crop-bearing trees, and ornamental woody shrubs in commercial and residential landscapes, interior and exterior plantscapes, roadsides, gardens, parks, golf courses, lawns or grounds and other areas where trees and woody shrubs are grown. VIVID II systemic insecticide will be translocated throughout the vascular system of the plant.

Read entire label. Use strictly in accordance with **Precautionary Statements** and **Directions**, and with applicable state and federal regulations.

USE DIRECTIONS
Applying VIVID II using the Tree Tech microinjection system:

VIVID II label and microinjection instructions must be read and understood prior to use or installation of Tree Tech Microinjection Systems' microinjection units. Failure to follow these directions may lead to injury to the installer or other persons as well as mechanical or phytotoxic damage to treated trees. The following instructions must be heeded to ensure proper and effective use of the microinjection units containing VIVID II systemic insecticide.

1. This product is not to be used on trees that will produce food within the year following treatment.
2. Do not inject trees that are less than two inches in diameter.
3. Due to toxicity to bees, use for tree microinjection only as a post-bloom application.
4. Do not treat trees that are suffering from stress such as lack of moisture or herbicide damage.
5. Protective eyewear and rubber or neoprene gloves must be worn while handling or installing the microinjection unit to prevent accidental contact with the eyes or skin.

Installing Microinjection Units:
1. Determine the number of microinjection units to be installed based upon 1) the target insect pest, and 2) the recommended dosage rate as administered by proper circumferential spacing of microinjection units at 6-inch intervals around the stem. Unless otherwise noted, microinjection units should be installed in the stem and root flares near the ground line, i.e., 2.0-8.0 in. or 5-to-20 cm, from the soil surface.
2. Using a cordless electric drill (600-800 rpm capacity is preferred) with a sharp, clean 11/64 in. (0.4 cm) bit, the installer should drill a hole at the correct stem circumference spacing to a depth of 3/8-to-1/2 in. (1.0-to-1.3 cm) into the wood (xylem) under the bark. A slight downwardly angle is recommended for more complete drainage of the microinjection 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. Insert the microinjection unit into the hole. Placing the plastic installation cap over the rear barrel end, strike the cap with a plastic hammer to seat the microinjection unit firmly into the hole. If the microinjection unit is not properly positioned in the hole, strike the cap again until correctly seated. By striking the microinjection unit, the frontal dispenser tip is forced into the funnel-shaped section dislodging an internal septum that allows the VIVID II solution to flow from the microinjection unit into the tree. When the microinjection unit is positioned correctly in the tree and the septum is dislodged, remove the cap. Push the rear

barrel portion of the unit downwardly until the locking mechanism is engaged. This pressurizes the microinjection unit and assists in the movement of VIVID II into the vascular system of the tree. Alternatively, the septum may be dislodged from the funnel-shaped section by supporting the unit on a flat surface and drilling the septum out, then inserting the unit over the back of the feeder tip.

4. Each hole should be drilled and a microinjection unit installed without delay. After the unit is properly seated, it should be activated. This sequence minimizes the flow of tree sap or resin into the hole prior to VIVID II microinjection.
5. When properly installed and activated, the microinjection unit generates internal pressure resulting in the flow of VIVID II solution through the dispenser tube. The microinjection unit must never be activated unless installed correctly and securely in the tree to be treated.
6. Microinjection units containing VIVID II may require up to several minutes or more to empty depending on the health of the treated tree and local weather conditions. Empty units must not be left on the tree. If the microinjection unit does not completely empty within a few hours then carefully remove the capsule. Never assume that microinjection units have depressurized completely because they appear nearly empty or empty. When removing microinjection units, individuals must wear proper eye protection and rubber or neoprene gloves. The individual should then cover the microinjection unit with one hand near the point of insertion into the stem while grasping the barrel end of the microinjection unit with the other hand. The microinjection unit should be turned slightly as it Is slowly withdrawn from the tree.
7. After microinjection units are removed from treated trees they must be discarded into the heavy-duty plastic disposal bag included in each case of microinjection units. The bag should be properly sealed and placed in the original carton. Sealed cartons should be returned freight prepaid to Tree Tech® Microinjection Systems, 950 SE 215th Ave, Morriston, FL 32668 for disposal.

APPLICATION: Apply in all cases when plant root systems are established and actively growing. Applications should be applied at recommended intervals to maintain insect control.

Plant	Insects	Microinjection unit Spacing Interval Around Stem Circumference	Time of Injection
Ornamental trees (including forest, ornamental, non-crop-bearing as well as woody shrubs)	Adelgids Aphids Brown tail moth Elm leaf beetle Lace bug Lygus bug Mites Oak worm Scale White pine weevil Engraver beetle Eucalyptus borer Flathead borer	One microinjection unit every 6 inches	Two weeks prior to anticipated occurrence or as soon as Insects appear

VIVID II systemic insecticide is for use by commercial applicators on all species of ornamental and non-crop-bearing trees, and ornamental woody shrubs. Not for use on plants being grown for sale or commercial use, or for commercial seed production, or for research purposes.

STORAGE AND DISPOSAL

Nonrefillable container. Do not reuse or refill container. Offer for recycling, if available.
Do not contaminate water, food, or feed by storage or disposal of microinjection units.
Do not apply this product through any type of irrigation system.
Open dumping is prohibited.

PESTICIDE STORAGE: Store microinjection units in a cool, dry place. Do not freeze.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site according to local regulations or at an approved waste disposal facility.

MICROINJECTION UNIT CONTAINER DISPOSAL:
IF EMPTY: DO NOT REUSE THIS COINTAINER. PLACE IN TRASH OR OFFER FOR RECYCLING IF AVAILABLE.

IF PARTLY FILLED: CALL YOUR LOCAL SOLID WASTE AGENCY OR 1-800-CLEANUP FOR DISPOSAL INSTRUCTIONS. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN.

Used microinjection units may be placed in the heavy-duty plastic bag that accompanies each case of microinjection units. The bag should be properly sealed, placed into the original shipping carton and returned freight prepaid for disposal to Tree Tech Microinjection Systems, 950 SE 215th Ave, Morriston FL 32668

WARRANTY AND DISCLAIMER STATEMENT

To the fullest extent permitted by law, Tree Tech Microinjection Systems warrants that this product conforms to the description on the label and is reasonably fit for the purposes set forth on the label, when used according to directions under normal use conditions. Neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions. The buyer and user acknowledge and assume all risk of use of this product when such use is contrary to label instructions. Read and follow the label directions carefully.

VIVID is a registered trademark of Florida Silvics, Inc.

Label revised 12/2012