# **RESTRICTED USE PESTICIDE**

Due to toxicity to aquatic invertebrate animals. For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.



### Insect Growth Regulator • Aqueous Flowable

For use on alfalfa\*\*\*; artichoke(CA only); barley\*\*; carrot (not grown for seed)\*\*\*\*; citrus crop group 10-10; cottonseed, subgroup 20C; leafy brassica, subgroup 5B (including turnip greens)\*\*; oats\*\*; peach, subgroup 12-128\*\*; plum, subgroup 12-12C; peanuts\*\*; pears\*\*; pepers/eggplant, subgroup 8-108\*\*; rice, grain; soybeans\*; tree nuts, crop group 14-12\*\*; triticale\*\*; wheat\*\*; grassland\*\*; livestock/poultry premises\*\*; non-crop areas\*\*; and turfgrass (for use on sod farms only)\*\*.

\*Not registered for use in California. \*\*Not registered for use in New York.

| ACTIVE INGREDIENT:   | (% by weight) |
|--|---------------|
| Diflubenzuron:N-(((4-Chlorophenyl)amino)carbonyl)-2,6-difluorobenzamide*                         |               |
| OTHER INGREDIENTS:   |               |
| TOTAL:   |               |
| + O antalian O like of all the bases were near and like of the model at a line of the second set |               |

\* Contains 2 lbs. of diflubenzuron per gallon of formulated product.

## 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.

(If you DO NOT understand the label, find someone to explain it to you in detail.)

See inside label booklet for additional Precautionary Statements and Directions for Use.

EPA Reg. No.: 89167-73-89391

Distributed By: INNVICTIS® CROP CARE, LLC

1880 Fall River Drive, Suite 100, Loveland, CO 80538





|                         | FIRST AID  |
|-------------------------|--|
| If swallowed:           | <ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>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</li> <li>DO NOT give anything by mouth to an unconscious person.</li> </ul> |
| 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:             | <ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>  |
| If in eyes:             | <ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>  |
|                         | HOT LINE NUMBER  |
|                         | er or label with you when calling a poison control center or doctor or going for treatment. For 24-Hour Medical Emergency Assistance (Humar<br>mergency Assistance (Soill, Leak, Fire or Accident) Call <b>1-800-424-9300</b>  |

For Chemical Emergency: Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

### PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and Other Handlers (Other than Mixers and Loaders) Must Wear:

- · long-sleeved shirt & long pants;
- · shoes plus socks; and
- chemical-resistant gloves, made of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils or Viton ≥14 mils, when mixing and loading and also when using hand-held equipment.

#### Mixers and Loaders Using Fixed-Wing Aircraft Must Wear:

- long-sleeved shirt and long pants;
- · shoes plus socks;
- chemical-resistant gloves, made of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils or Viton ≥14 mils; and
- a minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

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

When handlers use closed systems (including water soluble bags), enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607(d-f)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### USER SAFETY RECOMMENDATIONS

#### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to terrestrial juvenile insects and aquatic invertebrates/ mollusks/insects. **D0 N0T** apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

DO NOT contaminate water when disposing of equipment washwaters or rinsate.

This product may contaminate water through drift of spray in wind. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

Bees and other insect pollinators can be exposed to this pesticide from:

- Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications.
- Ingestion of residues in nectar and pollen when the pesticide is applied as a foliar application.

When Using This Product, Take Steps To:

- Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- Minimize drift of this product on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site to pollinator attractive habitat can result in reduced immature bee viability.

#### PHYSICAL OR CHEMICAL HAZARDS

**DO NOT** mix or allow this product to come in contact with an oxidizing agent such as potassium permanganate. Hazardous chemical reaction may occur.

### DIRECTIONS FOR USE RESTRICTED USE PESTICIDE

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

#### USE RESTRICTIONS

- VENTRILIX 2L is intended for sale to and use by pest management professionals ONLY.
- VENTRILIX 2L is NOT for homeowner/residential use.
- DO NOT apply VENTRILIX 2L in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
- DO NOT apply VENTRILIX 2L to water bodies where swimming is likely to occur.
- For Field Crops, Row Crops, Orchard Uses, Grassland, Non-crop Areas: DO NOT apply within 25 feet by ground or 150 feet by air of bodies of water such as lakes, reservoirs, rivers, permanent streams, natural ponds, marshes or estuaries. All applications must include a 25-foot vegetative buffer strip within the buffer zone to decrease runoff.
- For rotational crops: Unless diflubenzuron is registered for use on a particular crop, wait one month after last application to plant food or feed crops in soils treated with VENTRILIX 2L.
- For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 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) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

 ${\rm D0~N0T}$  enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- · coveralls;
- chemical-resistant gloves, made of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils or Viton ≥14 mils, and;
- · shoes plus socks.

#### INSTRUCTIONS AND INFORMATION RUNOFF

VENTRILIX 2L has a potential for runoff, which can occur up to several months or more after use. Runoff containing this product is more likely to occur in soils that have shallow water tables or are poorly draining.

#### SPRAY DRIFT MANAGEMENT

This product may contaminate water through drift or spray in wind. Avoiding spray drift at the application site is the responsibility of the applicator.

This product has a potential for runoff for several months or more after application. Poorty draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination. Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions.

#### MANDATORY SPRAY DRIFT MANAGEMENT

#### Aerial Applications:

- DO NOT release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a fine or coarser droplet size (ASABE S572.1).
- Applicators must use½ swath displacement upwind at the downwind edge of the field.
- D0 N0T apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed-wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- DO NOT apply during temperature inversions.

#### Airblast Applications:

- · Sprays must be directed into the canopy.
- DO NOT apply when wind speeds exceed 15 miles per hour at the application site.
- User must tum off outward pointing nozzles at row ends and when spraying outer rows.
- DO NOT apply during temperature inversions.

#### Ground Boom Applications:

- User must only apply with the release height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- Applicators are required to use a fine or coarser droplet size (ASABE S572.1).
- DO NOT apply when wind speeds exceed 15 miles per hour at the application site.
- DO NOT apply during temperature inversions.

#### SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

#### IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### Controlling Droplet Size – Ground Boom

- Volume Increasing the spray volume so that larger droplets are produced will
  reduce spray drift. Use the highest practical spray volume for the application.
  If a greater spray volume is needed, consider using a nozzle with a higher
  flow rate.
- Pressure Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

#### **Controlling Droplet Size – Aircraft**

 Adjust Nozzles - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

#### **BOOM HEIGHT - Ground Boom**

For ground equipment, the boom should remain level with the crop and have minimal bounce.

#### **RELEASE HEIGHT - Aircraft**

Higher release heights increase the potential for spray drift.

#### SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

#### TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

#### TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

#### WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

#### HANDHELD TECHNOLOGY APPLICATIONS

Take precautions to minimize spray drift.

#### PRODUCT INFORMATION

VENTRILIX 2L is an insect growth regulator, whose mode of action disrupts the regular molting process of insect larvae. It is effective against Lepidoptera and Diptera species and a wide variety of listed insect pests, and performs well when used in IPM programs. Due to mode of action, insects could take several days following application to show visible effects of VENTRILIX 2L.

#### APPLICATION INSTRUCTIONS

#### Mixing Directions - if used with water

- · Fill a clean spray tank with half of the amount of water required for treatment
- · Begin agitation and add appropriate amount of VENTRILIX 2L to spray tank
- · Add second half of water while maintaining agitation
- If permitted for the use site, add the proper quantity of oil slowly into the mixing tank. Making sure to use at least 2 parts of water to one part of oil will help avoid development of an invert emulsion

#### Mixing Directions - if used without water

Always evaluate any potential mixture for compatibility and sprayability. To ensure thorough mixing of **VENTRILIX 2L** with insecticides or other carriers, premix ingredients in a nurse tank before transferring into appropriate aerial or ground ULV application equipment. If a nurse tank is not available, or unable to simultaneously mix:

- · Fill a clean tank with required amount of oil and/or oil-based insecticide
- Begin agitation and add appropriate amount of VENTRILIX 2L to spray tank
- Thoroughly mix contents of spray tank
- Drain a volume of carrier adequate to fill booms and piping system from the contents of the tank and then add back to the tank

<u>Compatibility</u> – when combining **VENTRILIX 2L** with other pesticides, additives or adjuvants, test for compatibility and sprayability. In a lidded glass jar (-1 quart size), add all mix partners, in their relative proportions. Invert, shake or mix the jar thoroughly. Observe mixture for approximately 30 minutes (though signs of incompatibility will often be seen within 5 minutes). Read and follow the label of each tank mix **VENTRILIX 2L** used for precautionary statements, directions for use, rates and timings, and other restrictions.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

#### Application - aerial or ground applications

Spray should be applied with aerial or ground equipment designed or modified to insure uniform and complete coverage of the whole plant / crop surface. Continue constant agitation while mixing and while applying **VENTRILIX 2L**.

#### Application Through Irrigation Systems - Chemigation

VENTRLIX 2L can be applied through properly equipped chemigation systems for insect control in grassland and row crops. VENTRLIX 2L can be applied only through sprinkler irrigation systems (center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move). D0 N0T apply this product through any other type of irrigation system. If treated water is not uniformly distributed, crop injury, illegal pesticide residues or lack of efficacy could occur.

In order to calibrate the irrigation system and injector to apply the mixture:

- · Determine how many acres are irrigated by the chemigation system.
- Once the irrigation rate has been set, determine how long (minutes) the system takes to cover the intended treatment area.

- Determine the amount of mixture (total gallons) necessary to cover the desired acreage.
- Determine injector's gallon per minute rate by dividing amount of mixture (gallons) needed by time (minutes) to cover intended treatment area.
- Determine the correct ounces per minute rate (converting from gallons per minute).
- · Operate system at desired irrigation rate and calibrate injector pump.

It is suggested that the injector pump be calibrated at least twice before operation and the system be monitored during operation.

Your local extension service, university experts or equipment manufacturers or representatives can answer questions regarding calibration.

**DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide labelprescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person shall shut the system down and make necessary adjustments should the need arise.

#### CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

If the chemigation system is connected to a public water supply, the following conditions must also be met:

- 'Public water system' means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional reduced-pressure zone, backflow preventer (RP2) or the functional equivalent in the water supply line upstream from a point of pesticide introduction. As an option to the RP2, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

- The system must contain functional interlocking controls to automatically shut
  off the pesticide injection pump when the water pump motor stops or in cases
  where there is no water pump, when the water pressure decreases to the
  point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- The pesticide injection pipeline must contain a functional, automatic, quickclosing check valve to prevent the flow of fluid back toward the injection.
- Upon completion of insecticide application, remove scale, pesticide residues, and other foreign matter from the supply tank and entire injector system. Flush thoroughly with clean water.
- DO NOT apply when wind speed favors drift beyond the area intended for treatment.

#### SPRINKLER CHEMIGATION

For continuously moving systems, the mixture containing VENTRILX 2L must be injected continuously and uniformly into the irrigation water line as the sprinkler is moving. If continuously moving irrigation equipment is used, apply in no more than 0.25 inch of water. For sprinkler systems that do not move during operation, apply in no more than 0.25 inch of irrigation immediately before the end of the irrigation cycle.

Maintain continuous agitation of the pesticide supply tank for the duration of the application period.

To apply a pesticide using sprinkler chemigation, the chemigation system must meet the following specifications:

- The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quickclosing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- DO NOT apply when wind speed favors drift beyond the area intended for treatment.

#### PESTICIDE RESISTANCE MANAGEMENT

For resistance-management, VENTRILIX 2L contains a Group 15 insecticide. Any insect population may contain individuals naturally resistant to VENTRILIX 2L and other Group 15 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of VENTRILIX 2L or other Group 15 insecticides within a growing season, or among growing seasons, with different groups that control the same pests. Avoid application of more than the maximum seasonal use rate or the total number of consecutive sprays of VENTRILIX 2L per season.
- Use tank mixtures with insecticides from a different group that are equally
  effective on the target pest when such use is permitted. **D0 NOT** rely on
  the same mixture repeatedly for the same pest population. Consider any
  known cross-resistance issues (for the targeted pests) between the individual
  components of a mixture. In addition, consider the following recommendations
  provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.

- The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes socuting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance, contact INNVICTIS CROP CARE at 855-466-8428. You can also contact your pesticide distributor or university extension specialist to report resistance.

| Crops  | Pests  | Application Rate<br>(fl. oz./acre)  | Application Timing   |
|--|--|---|--|
| ALFALFA*,**<br>Alfalfa grown for<br>SEED*,**   | Grasshopper<br>Mormon cricket  | 1 - 2<br>(0.016-0.031 lb. a.i.)   | Apply at early instar stages (majority in the 1st through 4th instar nymphal<br>stages) of growth. Use a higher rate in the rate range for heavy infestations or<br>advanced growth stage of target pest.  |
|  |  |   | VENTRILIX 2L is not effective in controlling grasshoppers once they reach the<br>adult stage. If a large influx from neighboring fields should occur, the time to<br>reduce that population may not be short enough to maximize extensive foliage<br>feeding; use a tank mix with a knockdown insecticide under these conditions.  |
| Dilution Rate: Apply VENTRILUX 2L as a foliar spray in sufficient water to provide thorough covera<br>Aerial Application: Apply in 2 to 5 gallons total volume per acre<br>Ground Application: Apply in 5 to15 gallons of total volume per acre.<br>Adjuvant Usage: The addition of 1 pint per acre of emulsified vegetable or paraffinic crop oil will aid of<br>evaporation. |  |   | ne per acre<br>volume per acre.  |
| (  | <ul> <li>DO NOT apply more that</li> <li>DO NOT make more that</li> <li>For alfalfa grown for second s</li></ul> | n 2 fl. oz. of VENTRILIX a<br>n 6 fl. oz. of VENTRILIX i<br>n 3 applications per caler<br>seed: Preharvest Interv<br>forage or hay: DO NOT e<br>fore cutting forage or hay<br>sissippi River.<br>California | <ul> <li>22 (0.031 lb. a.i.) per acre per application.</li> <li>22 (0.034 lb. a.i.) per acre per calendar year.</li> <li>dar year, with a minimum of 14 days between applications.</li> <li>rah: Allow at least 1 day after the last treatment before harvest of alfalfa seed.</li> <li>xxceed a total of 2 fl. oz. per acre per cutting. Preharvest Interval: Allow at least .</li> </ul> |

### SPECIFIC USE DIRECTIONS

| Crops                                 | Pests                  | Application Rate<br>(fl. oz./acre)   | Application Timing  |
|---------------------------------------|------------------------|--|---|
| ARTICHOKE, GLOBE<br>(California only) | Artichoke Plume Moth   | 8 – 16<br>(0.125-0.250 lb. a.i.)   | Optimum results are obtained when <b>VENTRILIX 2L</b> is applied when first moths<br>are caught in pheromone traps, or when moth flights start.                                       |
|                                       |                        |  | llons (total volume) per acre, or by ground application in 50 to 250 gallons (total<br>is sufficient for adequate coverage.   |
|                                       |                        |  | nage target pest populations (in combination with cultural practices, target insect , etc.). University or local extension representatives can give recommendations                   |
|                                       | DO NOT apply more that | n 16 fl. oz. of <i>VENTRILIX</i><br>n 48 fl. oz. of <i>VENTRILIX</i><br>n 3 applications per year.<br>d. | <b>21</b> (0.250 lb, a.i.) per acre per application.<br><b>21</b> (0.750 lb, a.i.) per acre per year.<br>Application interval is a minimum of 15 days. Maximum number of applications |

| DATS**         (0.016-0.031 lb. a.i.)         reached the 2nd to 3rd nymphal stage of development. VENTRHLX 2L effective in controlling grasshoppers once they reach the adult stage. If influx from neighboring fields should occur, the time to reduce that pop may not be short enough to minimize extensive foliage feeding; use a ta with a knockdown insecticide under these conditions.           Cereal Leaf Beetle         4         For best results, apply at first sign of egg laying.  | Crops                 | Pests   | Application Rate<br>(fl. oz./acre)   | Application Timing  |  |  |
|---|-----------------------|---|--|---|--|--|
| (0.063 lb. a.i.)  | OATS**<br>TRITICALE** | Grasshoppers  |  | For best results, apply when the majority of infesting grasshoppers have<br>reached the 2nd to 3rd nymphal stage of development. <b>VENTRLIX 2L</b> is not<br>effective in controlling grasshoppers once they reach the adult stage. If a large<br>influx from neighboring fields should occur, the time to reduce that population<br>may not be short enough to minimize extensive foliage feeding; use a tank mix<br>with a knockdown insecticide under these conditions. |  |  |
|   |                       | Cereal Leaf Beetle  |  | For best results, apply at first sign of egg laying.  |  |  |
|   |                       |   | Aerial Application: Apply in 2 to 5 gallons total volume per acre.<br>Ground Application: Apply in 5 to 15 gallons total volume per acre. Use sufficient application volume to assure adequate coverage.   |   |  |  |
| Because of the unique mode of action of VENTRILIX 2L, its visible effects on larvae and nymphs may not be seen until 5 to following application.  |                       |   | Because of the unique mode of action of VENTRILIX 2L, its visible effects on larvae and nymphs may not be seen until 5 to 7 days following application.  |   |  |  |
| <ul> <li>BARLEY, OATS, TRITICALE, &amp; WHEAT USE RESTRICTIONS:</li> <li>DO NOT make more than 1 application per season.</li> <li>DO NOT apply more than 4 fl. oz. of VENTRILIX 21 (0.063 lb. a.i.) per acre per application.</li> <li>DO NOT apply more than 4 fl. oz. of VENTRILIX 21 (0.063 lb. a.i.) per acre per year.</li> <li>Registered for use only in the following states: Alaska; Colorado; Idaho; Montana; Nevada; Oregon; Utah, Washington, Wy Western North &amp; South Dakota and Western Nebraska (West of Route 281 in ND, SD, &amp; NE).</li> <li>DO NOT apply after the boot stage of growth.</li> <li>For Cereal Leaf Beetle, DO NOT apply if infestation has advanced into later instar larvae.</li> <li>Pre-harvest Interval: DO NOT harvest grain and straw within 50 days of application. DO NOT harvest forage within 3 (application, DO NOT harvest forage within 15 days of application.</li> </ul> |                       | DO NOT make more that     DO NOT apply more that     DO NOT apply more that     DO NOT apply more that     Registered for use only j     Western North & South I     DO NOT apply after the     For Cereal Leaf Beetle, [     Pre-harvest Interval:     application; DO NOT har | n 1 application per seaso<br>4 fl. oz. of VENTRILIX .<br>h 4 fl. oz. of VENTRILIX .<br>h 5 de ventrilix .<br>h 6 de ventrilix .<br>h 7 de ventril .<br>h 7 | n.<br>21 (0.063 lb. a.i.) per acre per application.<br>22 (0.063 lb. a.i.) per acre per year.<br>aska; Colorado; Idaho; Montana; Nevada; Oregon; Utah, Washington, Wyoming;<br>aska (West of Route 281 in ND, SD, & NE).<br>n has advanced into later instar larvae.<br>Id straw within 50 days of application. <b>D0 N0T</b> harvest forage within 3 days of   |  |  |

| Crops                                      | Pests  | Application Rate<br>(fl. oz./acre)  | Application Timing   |
|--|--|---|--|
| CARROT, ROOTS *,**<br>(Not grown for seed) | Carrot weevil  | 8<br>(0.125 lb. a.i.)   | Apply at first sign of larval infestation.   |
|  | Ground application: Apply VENTRILIX 2L in sufficient water using 20 to 50 gallons of water per acre. |   |  |
|  |  | ct to carrots grown for see<br>n 8 fl. oz. of <b>VENTRILIX</b><br>n 16 fl. oz. of <b>VENTRILIX</b><br>n 2 applications per calend<br>ays between treatments.<br>Allow at least 7 days after | d.<br>21 (0.125 lb. a.i.) per acre per application.<br>21 (0.250 lb. a.i.) per acre per calendar year.<br>ar year. |
|  | **Not registered for use in N  |   |  |

| Crops   | Pests   | Application Rate<br>(fl. oz./acre) | Application Timing  |
|---|---|------------------------------------|---|
| CITRUS FRUIT GROUP<br>10-10<br>Australian desert lime;<br>Australian finger-lime;<br>Australian round lime;<br>Brown River finger lime;<br>calamondin; citron;<br>citrus hybrids; grapefruit;<br>Japanese summer<br>grapefruit; kumquat;<br>lemon; lime;<br>Mediterranean mandarin;<br>mount white lime;<br>New Guinea wild lime;<br>orange, sour;<br>orange, sour;<br>orange, sour;<br>orange, sour;<br>orange, sour;<br>angues;<br>pummelo;<br>Russell River lime;<br>satsuma mandarin;<br>satsuma mandarin;<br>tachibana orange;<br>Tahiti lime; tangelo;<br>tangerine (mandarin): | Asian Citrus Psyllid (ACP)<br>(Diaphonia citri) | 20<br>(0.313 lb. a.i.)             | Apply 20 fl. oz. of VENTRILIX 2L (0.313 lb.a.i.) per acre when very early-feather<br>leaf flush is present, or oviposition by Asian citrus psyllid (ACP) is expected or<br>seen, or leaf distortion is evident.<br>Split Application: Applying split applications of VENTRILIX 2L will maximize<br>spray coverage of the entire citrus leaf flush. Spray 10 fl. oz. (0.156 lb. a.i.<br>per acre when very early-feather leaf flush is present, or oviposition by ACP is<br>expected or seen, or leaf distortion is evident. Apply the second application of<br>VENTRILIX 2L at 10 fl. oz. (0.156 lb. a.i.) per acre as needed to protect new<br>flushes of growth. D0 NOT apply subsequent applications of VENTRILIX 2L for<br>at least 30 days.<br>Low Volume Application: [Except in California.] apply in 3.0 to 5.0 gallons of<br>finished spray solution per acre by ground using air-blast or air-assisted spray<br>equipment. [In California, D0 NOT apply in a volume of less than 10 gallons<br>per acre.].<br>VENTRILIX 2L's activity on ACP is through contact, ingestion and/or absorption.<br>It has direct activity on eggs and nymphs of ACP. VENTRILIX 2L prevents eggs<br>from hatching and nymphs from motting when exposed to treated surfaces. Adult<br>female ACP that feed on or contact treated surfaces produce fewer eggs able<br>to hatch. VENTRILIX 2L does not control adult ACP. |
| tangerine (mandarin);<br>tangor; trifoliate orange;<br>uniq fruit; cultivars,<br>varieties, and/or hybrids<br>of these  | Citrus Rust Mite<br>(Phyllocoptruta oleivora)   | 20<br>(0.313 lb. a.i.)             | Apply VENTRILIX 2L at 20 fl. oz. (0.313 lb. a.i.) per acre when citrus rust mites<br>(CRM) are first observed on citrus leaves and/or fruit. Rotate to a product with<br>a different mode of action before reapplying VENTRILIX 2L in a CRM control<br>program.<br>The addition of petroleum spray oil, or spray oil replacement, enhances spray<br>coverage and penetration of VENTRILIX 2L into immature CRM, improving activity<br>on each stage of instar. Petroleum spray oil also aids knockdown of the CRM<br>population present at application.<br>VENTRILIX 2L's activity is on immature stages of CRM and has its greatest activity<br>on late-instar CRM. VENTRILIX 2L prevents immature CRM from moiting. The full<br>effect of VENTRILIX 2L or CRM population may not be apparent for up to 14<br>days after application. VENTRILIX 2L does not control CRM eggs or adults.  |

| Crops   | Pests  | Application Rate<br>(fl. oz./acre) | Application Timing  |
|---|--|------------------------------------|---|
| CITRUS FRUIT GROUP<br>10-10 Cont.<br>Australian desert lime;<br>Australian round lime;<br>Brown River finger lime;<br>calamondin; citron;<br>citrus hybrids; grapefruit;<br>Japanese summer | Lepidopterous Miners:<br>Citrus Leafminer<br>(Phyllocnistis citrella)  | 20<br>(0.313 lb. a.i.)             | Make application when Citrus Leafminer (CLM) oviposition is seen or expected,<br>when leaf flush is present and oldest leaf is expanded by one-quarter, or when<br>leaf mining is evident. To maximize coverage of the entire leaf flush, make split<br>application by spraying half of volume of product (10 fl. oz. (0.156 lb. al.) per<br>acre) as indicated above (oviposition seen or expected, leaf flush is present,<br>leaf distortion is evident), and the other half (10 fl. oz. per acre) to protect<br>new growth flush, as needed. Wait at least 30 days [(90 days in CA)] for<br>subsequent applications of VENTRILIX 2L. |
| grapefruit; kumquat;<br>lemon; lime;  |  |                                    | Low Volume Application – apply by ground (air-assisted or air blast spray equipment) in 3 to 5 gallons (total volume) per acre.   |
| Mediterranean mandarin;<br>mount white lime;<br>New Guinea wild lime;<br>orange, sour;<br>orange, sweet;<br>pummelo;<br>Russell River lime;<br>satsuma mandarin;<br>wurde lime;             | Lepidopterous Miners:<br>Citrus Peel Mine<br><i>(Marmara spp.)</i>   | 20<br>(0.313 lb. a.i.)             | Make application when citrus peel surfaces show Citrus peel miner (CPM)<br>oviposition, or when expected. To maximize coverage of the fruit surface,<br>make split application by spraying half volume of product (10 fl. oz. per acre)<br>when CPM viposition begins, and the other half (10 fl. oz. (0.156 lb. al.) per<br>acre) to protect expanded fruit growth, as needed. Wait at least 30 days [(90<br>days in CA)] for subsequent applications of VENTRILX 2L. Protection from<br>CPM larvae will lessen over time as fruit expands and new, unprotected tissue<br>develops, but may last up to several weeks.                  |
| sweet lime;<br>tachibana orange;<br>Tahiti lime; tangelo;<br>tangerine (mandarin);<br>tangor; trifoliate orange;<br>unig fruit; cultivars,<br>varieties, and/or hybrids<br>of these         | Citrus Root Weevil<br>Complex: West Indian<br>Sugarcane Rootstalk<br>Borer Weevil<br>(Diaprepes abbreviatus)<br>Southern Blue-Green<br>Citrus Root Weevil<br>(Pachnaeus ilfus) | 20<br>(0.313 lb. a.i.)             | Make application to citrus leaf flush when Citrus root weevils (CRW) are seen,<br>when oldest leaf is expanded by one-half, or when recent leaf feeding is evident.<br>The addition of a narrow-range petroleum oil such as NR-415, enhances<br>coverage and penetration of VENTRILIX 2L into adult CRW and eggs;<br>improving activity on each life stage. Petroleum spray oil also reduces the<br>attachment of CRW egg masses to citrus leaf surfaces.<br>VENTRILIX 2L's activity is through contact, ingestion, and/or absorption. It   |
|   | Blue-Green Citrus Weevil<br>(Pachnaeus opalus)<br>Fuller Rose Beetle<br>(Asynonychus godmani)<br>Little Leaf Notcher   |                                    | has direct activity on eggs latid on treated surfaces by preventing them from<br>hatching. Adult female CRW that feed on or contact treated surfaces produce<br>fewer eggs able to hatch.<br><b>VENTRILIX 2L</b> reduces the reproductive potential of citrus root weevil   |
|   | (Artipus flondanus)  |                                    | populations. VENTRILIX 2L does not control adult citrus root weevils.<br>CITRUS FRUIT GROUP 10-10 Cont. next page   |
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| Crops  | Pests   | Application Rate<br>(fl. oz./acre) | Application Timing   |
|--|---|------------------------------------|--|
| CITRUS FRUIT GROUP<br>10-10 Cont.<br>Australian desert lime;<br>Australian desert lime;<br>Australian round lime;<br>Brown River finger lime;<br>calamondin; citron;<br>citrus hybrids; grapefruit;<br>Japanese summer<br>grapefruit; kumquat; | Katydids<br>Grasshoppers  | 20<br>(0.313 lb. a.i.)             | Make application when katydids or grasshoppers are seen, or recent feeding<br>on leaves or fruit is noticed. To maximize coverage and protection of leaves<br>and fruit, make split application by spraying half of volume of product (10 fl.<br>oz. per acre) as indicated above (katydids or grasshoppers are seen, recent<br>feeding on leaves or fruit), and the other half (10 fl. oz. (0.156 lb. a.i.) per acre)<br>to protect new growth, as needed. Wait at least 30 days [(90 days in CA)] for<br>subsequent applications of VENTRILX 2L.<br>The addition of a narrow-range petroleum oil such as NR-415, enhances spray<br>coverage and penetration of VENTRILX 2L into katydid and grasshopper eggs,<br>nympins, and adults, improving activity on each life stage. |
| lemon; lime;<br>Mediterranean mandarin;<br>mount white lime;<br>New Guinea wild lime;<br>orange, sour;<br>orange, sweet;<br>pummelo:   |   |                                    | VENTRILIX 2L's activity on katydids and grasshoppers is through contact,<br>ingestion, and/or absorption. It has direct activity on eggs and nymphs by<br>preventing eggs from hatching and nymphs from molting. Adult female katydids<br>and grasshoppers that feed on or contact treated surfaces produce fewer eggs<br>able to hatch.   |
| Russell River lime;<br>satsuma mandarin;   |   |                                    | VENTRILIX 2L reduces the reproductive potential of an existing katydid and/<br>or grasshopper population. VENTRILIX 2L does not control adult katydids or<br>grasshoppers.   |
| sweet lime;<br>tachibana orange;<br>Tahiti lime; tangelo;<br>tangerine (mandarin);<br>tangor; trifoliate orange;<br>uniq fruit; cultivars,<br>varieties, and/or hybrids<br>of these  | anytime during the year.<br>• VENTRILIX 2L affects<br>reproductive ability.<br>• VENTRILIX 2L does not<br>• Adult Asian citrus ps<br>• Adult Citrus Rust mi | existing Asian citrus psy          | th has emerged will give best control of the most pests, however it can be applied<br>yllid, citrus leafminer and citrus root weevil populations by diminishing their<br>act growth stages:<br>adyddies or grasshoppers  |

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#### CITRUS FRUIT GROUP 10-10 Cont

Adjuvants - To enhance spray coverage, add a CPDA approved quality surfactant or addition of a spray oil, or spray oil replacement. Consult your supplier representative for oil specifications. Addition of a spray oil also aids knockdown of existing populations (CRM), penetration or absorption of VENTRILIX 2L into immature stages of insects<sup>2</sup>, mites<sup>3</sup>, eggs<sup>1,3,4,5,6,7</sup>, larvae<sup>3</sup>, pupae<sup>3</sup>, nymphs<sup>1,6,7</sup> and adults<sup>1,6,7</sup>. The use of a spray oil may improve VENTRILIX 2L's activity, which is to prevent eggs from hatching, larvae or nymphs from molting, moths from emerging from pupae, and limiting eggs laid or able to hatch by adult females when exposed to VENTRILIX 2L through contact, indestion and/or absorption. Spray oil also limits egg mass attachment to citrus leaf surface3.

- 1 Asian Citrus Psyllid
- 2 Citrus Bust Mite
- 3 Citrus Leafminer
  - 4 Citrus Peel Miner

- 5 Citrus Root Weevil Complex 6 Katydid
- 7 Grasshopper

#### DIRECTIONS FOR USE

Spray Volumes: Use sufficient spray volume for thorough coverage of leaf surfaces. For High Volume: Ground = 50 to 1,000 gallons per acre; Aerial= 5 to 20 gallons per acre. If making a low volume application, see pest specific sections below [(low volume applications to citrus fruit are not registered in California)]. Note: 1 fl. oz. VENTRILIX 2L per acre equals 0.0156 pounds active ingredient per acre.

#### CITRUS FRUIT GROUP 10-10 USE RESTRICTIONS:

- Maximum VENTRILIX 2L allowed per year: DO NOT apply more than 60 fl. oz. of VENTRILIX 2L (0.938 lb. a.i.) per acre per calendar year. VENTRILIX 2L may be applied as three full rate applications of 20 fl. oz, per acre per calendar year, or six split applications of 10 fl. oz, per acre per calendar year, or a combination of full and split applications.
- DO NOT apply more than 20 fl. oz. of VENTRILIX 2L (0.313 lb. a.i.) per acre per application.
- · Maximum number of applications allowed per calendar year: three full rate applications or six split applications, not to exceed 60 fl. oz. of VENTRILIX 2L (0.938 lb, a.i.) per acre per calendar vear.
- Re-treatment interval: Repeat applications no closer than 30 days apart, except where split applications are used. See the following pest specific sections for split application directions.
- Pre-harvest interval: DO NOT apply within 7 days of harvest. DO NOT harvest cover crops for animal feed or graze livestock in treated groves.
- Ground Application: VENTRILIX 2L may be applied by ground using hand-held, hand gun, air blast or air assisted equipment. DO NOT apply within 25 feet of bodies of water such as lakes, reservoirs, rivers, permanent streams, natural ponds, marshes or estuaries. In the State of Florida, DO NOT apply within 100 feet of estuarine/marine bodies of water. Soray last three rows windward of surface water using nozzles on one side only, with spray directed away from surface water. Avoid spray going over tops of trees by adjusting or turning off top nozzles. Shut off nozzles on the side away from the grove when spraying the outside row. Shut off nozzles when turning at ends of rows and passing tree gaps in rows.
- Aerial Application: Use fixed-wing or rotary equipment. DO NOT apply within 150 feet of bodies of water such as lakes, reservoirs, rivers, permanent streams. natural ponds, marshes or estuaries. In the State of Florida, DO NOT apply within 1000 feet of estuarine/marine bodies of water.

| Crops   | Pests  | Application Rate<br>(fl. oz./acre) | Application Timing  |
|---|--|------------------------------------|---|
| COTTONSEED<br>SUBGROUP 20C<br>Cultivars, varieties and/or<br>hybrids of these | Beet Armyworm (early<br>season before first bloom)   | 2-4<br>(0.031-0.063 lb. a.i.)      | For early infestations, apply VENTRILIX 2L at the first sign of beet armyworm<br>activity (2 egg masses or hatch outs/100 feet of row) in multiple applications,<br>either as directed or broadcast spray. Use on a 5- to 7-day interval until 8<br>fl. oz. (0.125 lb. al.) per acre have been applied. Multiple applications of<br>VENTRILIX 2L will provide acceptable beet armyworm control and because it<br>has little activity on beneficial insects (parasites and predators) and has good<br>persistence, will help prevent populations of beet armyworm from building up<br>later in the growing season. Use of VENTRILIX 2L in this way allows for more<br>complete coverage of new foliage during the period of rapid vegetative growth. |
|   | Beet Armyworm<br>(mid-season)  | 4-8<br>(0.063-0.125 lb. a.i.)      | Apply starting around first bloom and through mid-bloom. Repeat application<br>until up to 8 fl. oz. (0.125 lb. al.) per acre have been applied, using a 5- to<br>7-day interval between applications. Use higher listed application rate on larger<br>cotton and/or under conditions of greater larval pressure. Apply first application<br>to coincide with peak beet armyworm moth catches in pheromone traps,<br>indicating another generation of larvae is imminent. <b>VENTRILIX 2L</b> is more<br>effective on early stages of larval development, therefore treat cotton leaves<br>before populations become established.   |
|   | Beet Armyworm<br>(late season)   | 6 - 8<br>(0.094-0.125 lb. a.i.)    | Apply after mid-bloom and prior to 14 days before harvest. Use higher<br>application rate on larger cotton and/or under conditions of greater larval<br>pressure. Coincide application with peak beet armyworm moth catches in<br>pheromone traps. Additional applications may be needed if larval pressure<br>continues.   |
|   | Fall armyworm<br>Yellowstriped armyworm<br>Southern Armyworm<br>Suppression only:<br>Soybean looper<br>Cabbage looper<br>Saltmarsh caterpillar | 4 - 8<br>(0.063-0.125 lb. a.i.)    | Apply during early stages of larval development. Repeat application until at least<br>8 fl. oz. (0.125 lb. a.i.) per acre have been applied using a 5- to 7-day interval.   |
| C   | 2  | 16                                 | COTTONSEED SUBGROUP 20C Cont. next page   |

| Crops   | Pests   | Application Rate<br>(fl. oz./acre) | Application Timing  |
|---|---|------------------------------------|---|
| COTTONSEED<br>SUBGROUP 20C Cont.<br>Cultivars, varieties and/or<br>hybrids of these | Boll Weevil (early season, before first bloorn) | 4 - 8<br>(0.063-0.125 lb. a.i.)    | VENTRILIX 2L will control boll weevil by suppressing reproduction. Apply with 2 to 4 qt of emulsified cottonseed oil, vegetable oil, or paraffinic crop oil. A compatibility agent may be needed if a non-emulsified cotton-seed oil is used. Consult your supplier or company representative for oil specifications. For best suppression of boll weevil reproduction, make first application at pinhead square stage of cotton growth when overwintering boll weevils are entering the fields. Repeat applications must allow a minimum of 7 days between applications. VENTRILIX 2L does not kill the adult boll weevil; however, eggs deposited by affected female weevils will not hatch, thus limiting reproduction. The control of egg hatch and larval development Arter the initial treatment of the female weevil, 7 to 10 days are required before non-hatching eggs are laid; however, once affected, non-hatching eggs will be laid for approximately 10 days, and longer if the female encounters more VENTRILIX 2L. Thus treat early and use |
|   | Boll Weevil                                     | 2-4<br>(0.031-0.063 lb. a.i.)      | VENTRILIX 2L will reduce the number of weevils that emerge in the following<br>spring if applications are made when adult weevils are going into diapause to<br>overwinter. Apply when cotton plant has reached full vegetative growth or when<br>it begins blooming out the top.<br>For LV application spray in combination with 2 to 4 qt of an emulsifiable<br>vegetable or paraffinic oil per acre. A compatibility agent may be needed if a<br>non-emulsified cottonseed oil is used.<br>Apply at least 2, but not more than 3, applications at 7- to 14-day intervals.  |
|   | Grasshopper                                     | 2<br>(0.031 lb. a.i.)              | Apply when the majority of infesting grasshoppers have reached the 2nd to 3rd<br>nymphal stage of development. <i>VENTRILX 2L</i> is not effective in controlling<br>grasshoppers once they reach the adult stage. If a large influx from neighboring<br>fields should occur, the time to reduce that population may not be short enough<br>to minimize extensive foliage feeding; use a tank mix with a knockdown<br>insecticide under these conditions.   |

COTTONSEED SUBGROUP 20C Cont. next page

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| COTTONSEED<br>SUBGROUP 20C Cont.<br>Cultivars, varieties and/or<br>hybrids of these | Aerial Application: Apply in 3 to 5 gallons total volume per acre.<br>Ground Application: Apply in 10 to 20 gallons total volume per acre.<br>Adjuvant usage: The use of crop oil (1 to 20 qi with <i>VeNTRLIX 2L</i> for larva/nymphs may improve control if conditions are favorable<br>for water evaporation (e.g. high air temperature and/or low humidity). For ground or aerial LV application, use 1 pt to 2 qt of emulsified<br>vegetable or paraffinic crop oil to enhance canopy penetration and to reduce spray droplet evaporation and subsequent drift. A<br>compatibility agent may be needed if non-emulsified cottonseed oil is used.<br>Consult your supplier or company representative for oil specifications.<br>Use sufficient application volume to assure adequate coverage. <i>VENTRLIX 2L</i> may be mixed with other insecticides being applied for<br>other cotton insects. When emulsify able concentrate insecticide formulations are used with oil and <i>VENTRILX 2L</i> in tank mixes, they<br>may result in phytotoxicity. Care must be taken where such mixture is used. Because of the unique mode of action of <i>VENTRILIX 2L</i> ,<br>its visible effects on larvae/nymphs may not be seen for 5 to 7 days following application. |
|---|--|
|   | COTTONSEED SUBGROUP 20C USE RESTRICTIONS:<br>• DO NOT make more than 6 applications per season.<br>• DO NOT application more than 8 fl. oz. of VENTRILIX 2L (0.125 lb. a.i.) per acre per application.<br>• DO NOT apply more than 24 fl. oz. of VENTRILIX 2L (0.375 lb. a.i.) per acre per calendar year.<br>• DO NOT exceed 3 applications and 12 fl. oz. (0.188 lb. a.i.) per acre per calendar year post boll opening.<br>• Pre-harvest interval: DO NOT harvest within 14 days of application.  |

| Crops  | Pests  | Application Rate<br>(fl. oz./acre) | Application Timing  |
|--|--|------------------------------------|---|
| GRASSLAND**<br>(includes   | Grasshopper<br>Mormon Cricket  | 1 - 2<br>(0.016-0.031 lb. a.i.)    | Use 1 application on early instar (majority in the 2nd through 4th instar nymphal<br>stages); use higher listed rate for pastureland.   |
| rangeland;<br>pastures;<br>improved<br>pastures and<br>similar areas used<br>for production of<br>native,<br>domesticated<br>forage grasses for<br>harvest for<br>livestock primarily<br>for grazing or<br>mechanical<br>harvest;<br>grasses/forages<br>grown for biofuel,<br>biomass or |  | 0.75 – 1<br>(0.012-0.016 lb. a.i.) | Use on rangeland only, in a RAATs (Reduced Area and Agent Treatment)<br>application on early instars. A RAATs (application is an IPM strategy that takes<br>advantage of grasshopper movement and conservation biological, control to<br>allow VENTRILIX 2L to be applied on rangeland on a reduced treated area<br>and at reduced rates, while sustaining acceptable control. RAATs may provide<br>ranchers with an economic means to reduce competition by these insects on<br>their rangeland, depending on insect age and plant canopy. Using this program<br>VENTRILIX 2L may be applied on as little as 50% of the infested acreage (e.g.,<br>the rate range to use per acre and amount of area treated will depend on<br>grasshopper/Mormon cricket age, plant canopy and topography.<br>Skip up to 50% of the infested area and use the lower rate under uniform<br>topography with early instar ages and sparse vegetation. If the majority of the<br>population is late instars, vegetation is dense, tervain is considered rough,<br>and conditions are hot during treatment, increase the coverage and rate of<br>VENTRILIX 2L up to a blanket (100%) coverage with 1 fl. oz, per acre. |
| bioenergy<br>production)   |  | 0.5 – 1<br>(0.008-0.016 lb. a.i.)  | If a second application is made, apply 2 to 3 weeks after the first application.  |
|  | Lepidopteran foliage feeding<br>caterpillars such as:<br>Fall Armyworm<br>Striped Grass Looper | 2<br>(0.031 lb. a.i.)              | For maximum control use VENTRILIX 2L at first sign of hatch outs and prior<br>to larvae reaching fourth instars (<1/2 inch). VENTRILIX 2L must be ingested<br>and larvae must molt before populations are reduced.  |
|  | Horn Fly<br>Face Fly   | 2<br>(0.031 lb. a.i.)              | Apply <i>VENTRILIX 2L</i> for the control of Horn fly and Face fly emergence from cattle manure patties for two weeks or longer.  |

GRASSLAND Cont. next page

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#### GRASSLAND\*\* Cont.

Apply VENTRILIX 2L at 2 fl. oz. (0.031 lb. a.i.)/acre to biofuel, biomass, or bioenergy grown grasses/forages/cellulosic crops (such as switchgrass, miscanthus sp., etc.) for control of Lepidopteran foliage feeding caterpillars (armyworms, grass looper, etc.), grasshoppers, or Mormon crickets.

Aerial application: For low/high volume application, apply in 2 to 10 gallons of water per acre. For rangeland ULV application, apply in a minimum of 12 fl. oz. total volume per acre.

Ground application: For low/high volume application, apply in 2 to 30 gallons of water per acre. For rangeland ULV application, apply in a minimum of 12 fl. oz. total volume per acre.

Regardless of application type, total spray volume used must ensure thorough coverage of the target crop. For aerial and ULV spray mixtures include an evaporation/ drift retardant product at use rates prescribed on the specific product label, particularly when conditions are favorable for water evaporation (e.g., high air temperature and/or low humidity). When using oil type evaporation/drift retardant products, be sure to maintain a ratio of at least 2 parts water to 1 part oil. For low volume and ULV applications, make sure that the spray mixture in the boom contains the correct concentration of **VENTRILIX 2L** before application begins, and be sure that good agitation is maintained throughout mixing and application.

Higher listed rates and gallonages are suggested for areas with dense vegetation, when nymphs are beyond the 3rd instar stage, and when climatic conditions are favorable for grasshopper/Mormon cricket survival and increase.

Apply any time after eggs begin to hatch through early instars. VENTRILIX 2L remains active on the foliage and will continue to control larvae and grasshoppers/ Mormon crickets that hatch later in the season. VENTRILIX 2L is not effective in controlling larvae and grasshoppers/Mormon crickets once they have reached the adult stage. Since it is an insect growth regulator, effects may not be seen until these insects have molted at least once. If adult grasshoppers/Mormon crickets from early hatching and/or overwintering species are present, tank-mix VENTRILIX 2L with a registered adulticide to control later hatching species. Check mixing compatibility and sprayability prior to transferring to the main spray tank.

Besides a fatal incomplete molting, adult grasshoppers/Mormon crickets may exhibit missing posterior legs, hernias, abdominal segments malformed, twisted antennae, hemolymph exudation, and wrinkled wings. Additionally, they may move slower, have limited jumps and unsteady landings, show a reduction in feeding, have atrophy of posterior legs or be unable to fly. Any rymph/adult possessing these symptoms is likely more susceptible to predatory insects, birds and mammals.

#### GRASSLAND USE RESTRICTIONS:

- DO NOT apply more than 2 fl. oz. of VENTRILIX 2L (0.031 lb. a.i.) per acre per application.
- DO NOT apply more than 6 fl. oz. of VENTRILIX 2L (0.094 lb. a.i.) per acre per calendar year.
- DO NOT apply more than 12 applications per year.
- Allow at least 1 day after treatment before cutting grass.
- Apply only when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

\*\*Not registered for use in New York

| Crops  | Pests  | Application Rate<br>(fl. oz./acre) | Application Timing   |
|--|--|------------------------------------|--|
| LEAFY BRASSICA<br>GREENS SUBGROUP  | Grasshopper  | 2 - 4<br>(0.031-0.063 lb. a.i.)    | Apply to grasshoppers in the 2nd to 3rd nymphal stage of development.<br>Reapply in 7-day intervals if nymphal hatchout/crop reinfestation continues.  |
| 5B** includes:<br>Broccoli raab<br>Cabbage<br>Chinese (bok choy)<br>Collards<br>Kale<br>Mizuna |  |                                    | <b>VENTRILIX 2L</b> is not effective in controlling grasshoppers once they reach the adult stage. Use the higher listed rate in the range if the area has a history of heavy infestations, dense foliage is present, or greater residual control is desired. If a large influx from neighboring fields should occur, the time to reduce that population may not be short enough to minimize extensive foliage feeding; use a tank-mix with a knockdown insecticide under these conditions. |
| Mustard greens<br>Mustard spinach  | Ground Application: Use a minimum of 30 gallons of water per acre to give uniform coverage. Additional applications allow for<br>more complete coverage of newly expanding foliage.  |                                    |  |
| Rape greens<br>Turnip greens   | Since VENTRILIX 2L is an insect growth regulator, larvae and nymphs must ingest treated plant material and then molt before<br>populations are reduced. Thus initial signs of control may not be seen until 5 to 7 days after treatment.   |                                    |  |
|  | LEAFY BRASSICA GREENS SUBGROUP 5B USE RESTRICTIONS:         • D0 NOT make more than 4 applications per year.         • D0 NOT apply more than 4 fit. oz. of VENTRILIX 2L (0.063 lb. a.i.) per acre per application.         • D0 NOT apply more than 16 fit. oz. of VENTRILIX 2L (0.250 lb: a.i.) per acre per calendar year.         • D0 NOT use on turnic utilivars or varieties which produce a harvestable root.         • Pre-harvest interval: D0 NOT harvest within 7 days of application. |                                    |  |
|  | **Not registered for use in N  | ew York                            |  |

| Crops  | Pests  | Application Rate<br>(fl. oz./acre)  | Application Timing  |  |
|--|--|---|---|--|
| LIVESTOCK / POULTRY<br>PREMISES**<br>includes:<br>-Litter<br>-Stale / waste feed<br>-Manure  | Carrion Beetle*<br>Darkling Beetle*<br>Hide Beetle*<br>*Not registered for use in<br>California  | 12 fl. oz.<br>(0.188 lb. a.i.) /1000<br>ft² in 2 to 20 gals<br>water per 1000 ft²   | Broadcast Application – Apply as a whole house broadcast spray to the litter<br>following de-caking, as well as to floors, walls, posts, cage frames (at least 1 foot up<br>from floor), and cracks and crevices around insulation. When treating the litter, pay<br>particular attention to areas under feed and water lines. Apply in sufficient volume<br>to uniformly and thoroughly wet the litter and other surfaces- spray volume will vary<br>depending on the depth of litter being treated.   |  |
| -Manure / straw mixtures<br>-Feed muck / spoilage<br>-Spoiled organic refuse<br>-Bedding material<br>-Floors<br>-Walls / wall footings |  |   | Band Application – When the whole house is not being treated, application can be<br>made to areas where pests are concentrated, such as under feed and water lines,<br>as well as along perimeter walls and side / end walks. Apply in sufficient volume to<br>thoroughly wet litter following de-caking in a 2 - to 4-foot wide band under and next<br>to these areas- spray volume will vary depending on depth of litter. Lower sections of<br>walls, posts and cage frames should also be treated at least 1 foot up from the floor.  |  |
| -Posts<br>-Cage frames<br>-Ceilings  | Livestock / poultry operations includes farms, farm buildings, barns, feedlots, dairies, equine facilities, poultry houses, and other production facilities. Application sites within these operations also include fence lines of holding pens, feed troughs, feed bunks, hay bale feeders, water troughs; and marginal areas of waste retention ponds. For insect control around hay feeding sites, treat the entire area where manure and waste hay are mixed at the soil surface by livestock activity.            |   |   |  |
|  | VENTRILIX 2L will not control adult or pupal stages but does provide extended control of eggs and developing larvae. Exposure to adults, however, through contact or ingestion, does impact their reproductive potential, resulting in reduced numbers and viability of eggs. If a large adult population already exists at the time treatment is to be made, application with a knockdown insecticide either alone or in a tank mix with VENTRILIX 2L may be desirable to achieve rapid reduction of that population. |   |   |  |
| C  | <ul> <li>Band and broadcast applic<br/>2L per calendar year.</li> <li>Spot treatment application:<br/>and DO NOT exceed 17 apper calendar year.</li> <li>Manure and process waste<br/>sinkholes, agricultural or dt<br/>substituted for the 100-foo<br/>or better than the reduction</li> </ul>  | restock or poultry.<br>or water through application<br>ations (for indoor use only)<br>s - For outdoor use, <b>DO NO</b><br>pilications per calendar yea<br>water shall not be applied c<br>morestic well heads, or other<br>t setback or alternative cons<br>is achieved by the 100-foot<br>y houses, make applications of | -cover or remove exposed feed and water from the area to be treated.<br>- Apply only once per production cycle at a rate not to exceed 520 fl. oz. of <b>VENTRILIX</b><br><b>T</b> apply more than 7.5 fl. oz. of <b>VENTRILIX 2L</b> (0.117 lb. a.i.) per acre per application<br>r. For indoor use, <b>D0 NOT</b> apply more than 4 gal. of <b>VENTRILIX 2L</b> (8 lb. a.i.) per acre<br>loser than 100 feet to any down gradient surface waters, open tile line intake structures,<br>conduits to surface waters, unless a 35-foot wide vegetated buffer or physical barrier is<br>servation practices or field-specific conditions will provide pollutant reductions equivalent |  |

| Crops   | Pests  | Application Rate<br>(fl. oz./acre)  | Application Timing   |  |  |
|---|--|---|--|--|--|
| NON-CROP<br>AREAS **<br>(includes field border,<br>fence rows, roadsides,<br>farmsteads, ditchbanks,<br>wasteland, Conservation<br>Reserve Program CRP<br>Land) | Grasshopper<br>Mormon Cricket  | 2<br>(0.031 lb. a.i.)   | Apply <b>VENTRILIX 2L</b> to manage these insects in their breeding areas before they move into cropland. See Grassland section for timing of application.   |  |  |
|   | Lepidopteran foliage-<br>feeding caterpillars<br>such as:<br>Fall Armyworms<br>Striped Grass Looper                                  | 2<br>(0.031 lb. a.i.)   | For maximum control use VENTRILIX 2L at first sign of hatch outs and prior<br>to larvae reaching fourth instars (<1/2 inch). VENTRILIX 2L must be ingested<br>and larvae must molt before populations are reduced. |  |  |
|   | Aerial application: See Aerial application section of Grassland.<br>Ground application: See Ground application section of Grassland. |   |  |  |  |
|   |  | n 2 fl. oz. of <b>VENTRILIX</b><br>n 6 fl. oz. of <b>VENTRILIX</b><br>n 12 applications per yea<br>r treatment before cutting |  |  |  |

| 12-128 includes: nectarine<br>and peach and cultivars,<br>varieties and hybrids of<br>these.       (0.188-0.250 lb. a.i.)       Two applications can be made with a 14-day interval between applications.         PLUM SUBGROUP<br>12-120 includes:<br>Apricot; Japanese apricot;<br>Chinese jujube; Plum;<br>American plum; Beach<br>plum; Canada plum; cherny<br>Dum; Chackasaw plum;<br>Damson plum; Lapanese<br>plum; Kamat plum;<br>Chickasaw plum;<br>Damson plum; Lapanese<br>plum; Kamat plum;<br>Prune plum; Plumco; Sloe;<br>cultivars, varieties and<br>hybrids of these.       Fall webworm<br>Fiber teafroller<br>Omivorous leafroller<br>Omivorous leafroller<br>Not registered for use in<br>California       A - 16<br>(0.125-0.250 lb. a.i.)       Apply VENTRILIX 2L at first sign of larval infestation. Use the higher listed rate<br>or heavy, dens  | Crops   | Pests   | Application Rate<br>(fl. oz./acre) | Application Timing   |  |  |
|---|---|---|------------------------------------|--|--|--|
| varieties and hybrids of these.       PLUM SUBGROUP         12-12C includes:       Apricot, Japanese apricot;         American plum; Beach       Fall webworm         Fiber Heafroller       Biborn to Harvest: Apply starting at early bloom. Vegetable oil may be used         uring bloom at the rate of 1 gt per acre.       Aways use the higher listed rate of the range if the crop has a history of heavy infestations.         Bloom to Harvest: Apply starting at early bloom. Vegetable oil may be used       auring bloom at the rate of 1 gt per acre.         Aways use the higher listed rate in the range if the crop has a history of heavy infestations.       Bloom to Harvest: Apply starting at early bloom. Vegetable oil may be used         plum; Chickasaw plum;       Earl webworm       Filbert leaforller         Onnivorous leafroiler       (0.125-0.250 lb. a.i.)         Onnivorous leafroiler       (0.125-0.250 lb. a.i.)         Onnivorous leafroiler       Onnivorous leafroiler         Onnivorous leafroiler       Onnivorous leafroiler         Orinard full       Orinard full         Orinard full       Gording moth*         Kaly VENTHLIX 2L at first sign of larval infestations, low crop load, larger trees or heavy, dense foliage.         For adult control of plum curculio, tank mix with an adulticide.         Winter moth       Coding moth*         Kalydids*       Plum curculio* <t< td=""><td>12-12B includes: nectarine</td><td>Peach Twig Borer</td><td></td><td>Apply <b>VENTRILIX 2L</b> at a rate 12 - 16 fl. oz. (0.188-0.250 lb. a.i.) per acre.<br/>Two applications can be made with a 14-day interval between applications.</td></t<>   | 12-12B includes: nectarine                          | Peach Twig Borer  |                                    | Apply <b>VENTRILIX 2L</b> at a rate 12 - 16 fl. oz. (0.188-0.250 lb. a.i.) per acre.<br>Two applications can be made with a 14-day interval between applications.  |  |  |
| Apricot; Japanese apricot;<br>Chinese jujube; Plum;<br>American plum; Beach<br>plum; Canada plum; Dearch<br>plum; Canada plum; Dearce<br>plum; Klamath plum;<br>Prune plum; Plumot;<br>Sloe;<br>cultivars, varieties and<br>hybrids of these.       Fall webworm<br>Fiber teafroller<br>Oblique banded leafroller<br>Omnivorous leafriler<br>Ornicatal fruit, moth<br>Redhumped caterpillar<br>Variegated leafroller<br>Ornicate caterpillar<br>Variegated leafroller<br>Valut caterpillar<br>Variegated leafroller<br>Valut caterpillar<br>Variegated leafroller<br>Ornicate caterpillar<br>Variegated leafroller<br>Valut caterpillar<br>Variegated leafroller<br>Ornicate caterpillar<br>Variegated leafroller<br>Valut caterpillar<br>Variegate leafroller<br>Valut caterpillar<br>Valut caterpillar | varieties and hybrids of these.                     |   |                                    | Dormant/delayed dormant: Apply VENTR/LLX 2L with 4 to 6 gallons per<br>acre (1.5 to 2.0 gallons per 100 gallons in a dilute spray) narrow range oil.<br>Always use the higher listed rate of VENTR/LX 2L if the crop has a history<br>of heavy infestations. |  |  |
| American plum; Beach<br>plum; Canada plum; cherry<br>plum; Chickasw plum;<br>Damson plum; Lapanese<br>plum; Chickasw plum;<br>Damson plum; Purnoct; Sloe,<br>cultivars, varieties and<br>hybrids of these.       Fall webworm<br>Filbert leafroller<br>Oblique banded leafroller<br>Omnivorous leafuler<br>Oriental fruit moth<br>Redhumped caterpillar<br>Variegated leafroller<br>Walnut caterpillar<br>Variegated leafroller<br>Walnut caterpillar<br>Variegated featroller<br>Walnut caterpillar<br>Vinter moth<br>Codling moth*<br>Katydids*<br>Plum curculio*<br>*Not registered for use in<br>California       8 – 16<br>(0.125-0.250 lb. a.i.)       Aways use the higher listed rate in the range if the crop has a history of heavy<br>infestations.         *Not registered for use in<br>California       *Not registered for use in<br>California       For adult control of plum curculio, tank mix with an adulticide.         *Not registered for use in<br>California       Ground applications per acre for larger trees. Using insufficient water for thorough coverage, using at least 50 gallons per acre for small trees (10 fee<br>tall) and at least 100 gallons per acre for larger trees. Using insufficient water for thorough coverage and/or using an uneven spray<br>pattern across the canopy will likely result in less than desired efficacy.  | Apricot; Japanese apricot;                          |   |                                    | Bloom to Harvest: Apply starting at early bloom. Vegetable oil may be used<br>during bloom at the rate of 1 qt per acre.   |  |  |
| Damson plum; Japanese<br>plum; Kamath plum;<br>Frune plum; Prumoct; Sloe;<br>cultivars, varieties and<br>hybrids of these.<br>Redhumped caterpillar<br>Variegated leafroller<br>Orninvorous leafuler<br>Orninvorous leafroller<br>Orninvorous leafroller<br>Wainut caterpillar<br>Variegated leafroller<br>Wainut caterpillar<br>Not registered for use in<br>California<br>Ground applications must be made in sufficient water for thorough coverage, using at least 50 gallons per acre for small trees (10 fee<br>tall) and at least 100 gallons per acre for larger trees. Using insufficient water for thorough coverage and/or using an uneven spray<br>pattern across the canopy will likely result in less than desired efficacy.<br>Adjuvant: Crop oil at a rate of 0.25% v/v may be included in the tank mixture.  | American plum; Beach<br>plum; Canada plum; cherry   |   | 4                                  | Always use the higher listed rate in the range if the crop has a history of heavy infestations.  |  |  |
| Prune plum; Plumcot; Sloe;       Ondivorous leafnoller         Cultivars, varieties and hybrids of these.       Oriental fruit moth         Prune plum; Plumcot; Sloe;       Oriental fruit moth         Oriental fruit moth       Redhumped caterpillar         Varieties and       Not registered for use in         Colling moth*       Katydids*         Plum curculio*       *Not registered for use in         California       Ground applications must be made in sufficient water for thorough coverage, using at least 50 gallons per acre for small trees (10 feet tail) and at least 100 gallons per acre for larger trees.         Ground applications must be made in sufficient water for thorough coverage, using at least 50 gallons per acre for small trees (10 feet tail) and at least 100 gallons per acre for larger trees.         Valuet corp oil at a rate of 0.25% v/v may be included in the tank mixture.   | Damson plum; Japanese                               | Filbert leafroller  |                                    | Apply <b>VENTRILIX 2L</b> at a rate of 8 to 16 fl. oz. (0.125-0.250 lb. a.i.) per acre. Two applications can be made with a 14-day interval between applications.  |  |  |
| Redhumped caterpillar<br>Variegated leafroller<br>Wahut caterpillar<br>Winter moth<br>Coding moth*<br>Katydids*<br>Plum curculio*       For adult control of plum curculio, tank mix with an adulticide.         *Not registered for use in<br>California       For adult control of plum curculio, tank mix with an adulticide.         Ground applications must be made in sufficient water for thorough coverage, using at least 50 gallons per acre for small trees (10 fee<br>tall) and at least 100 gallons per acre for larger trees. Using insufficient water for thorough coverage and/or using an uneven spray<br>pattern across the canopy will likely result in less than desired efficacy.         Adjuvant: Crop oil at a rate of 0.25% v/v may be included in the tank mixture.  | Prune plum; Plumcot; Sloe; cultivars, varieties and | Omnivorous leafroller<br>Omnivorous leaftier<br>Oriental fruit moth<br>Redhumped caterpillar<br>Variegated leafroller<br>Walnut caterpillar<br>Winter moth<br>Codling moth*<br>Katydids*  |                                    | Apply VENTRILIX 2L at first sign of larval infestation. Use the higher listed rate<br>for longer residual control, higher pest infestations, low crop load, larger trees<br>or heavy, dense foliage.   |  |  |
| California<br>Ground applications must be made in sufficient water for thorough coverage, using at least 50 gallons per acre for small trees (10 fee<br>tall) and at least 100 gallons per acre for larger trees. Using insufficient water for thorough coverage and/or using an uneven spray<br>pattern across the canopy will likely result in less than desired efficacy.<br>Adjuvant: Crop oil at a rate of 0.25% v/v may be included in the tank mixture.  |   |   | $\bigcirc$                         | For adult control of plum curculio, tank mix with an adulticide.   |  |  |
| tall) and at least 100 gallons per acre for larger trees. Using insufficient water for thorough coverage and/or using an uneven spray pattern across the canopy will likely result in less than desired efficacy. Adjuvant: Crop oil at a rate of 0.25% v/v may be included in the tank mixture.  |   | *Not registered for use in<br>California  |                                    |  |  |  |
|   |   | Ground applications must be made in sufficient water for thorough coverage, using at least 50 gallons per acre for small trees (10 feet tall) and at least 100 gallons per acre for larger trees. Using insufficient water for thorough coverage and/or using an uneven spray pattern across the canopy will likely result in less than desired efficacy. |                                    |  |  |  |
| PEACH SUBGROUP Cont. next page  |   | Adjuvant: Crop oil at a rate o  | f 0.25% v/v may be inclu           | ded in the tank mixture.   |  |  |
|   |   | PEACH SUBGROUP Cont. next page  |                                    |  |  |  |

#### PEACH AND PLUM USE RESTRICTIONS:

- DO NOT make more than 2 applications per calendar year.
- DO NOT apply more than 16 fl. oz. of VENTRILIX 2L (0.250 lb. a.i.) per acre per application.
- DO NOT apply more than 32 fl. oz. of VENTRILIX 2L (0.500 lb. a.i.) per acre per calendar year.
- · Allow at least 14 days between applications.
- Pre-Harvest Interval: Allow at least 14 days after treatment before harvest.

\*\*Not registered for use in New York

| Crops     | Pests   | Application Rate<br>(fl. oz./acre)                | Application Timing   |
|-----------|---|---|--|
| PEANUTS** | Velvet Bean Caterpillar<br>Mexican Bean Beetle<br>Green Cloverworm  | 2 - 4<br>(0.031-0.063 lb. a.i.)                   | Make applications when larvae are small (< 0.5 inches) to give greater control<br>and minimum insect damage to leaves. Repeat application if damaging<br>numbers reappear.   |
|           | Redneck Peanut Worm*<br>*Not registered for use in  | 4<br>(0.063 lb. a.i.)                             | The minimum reapplication interval is 14 days. Use the higher listed rate in the<br>range if the crop has a history of heavy infestations, dense foliage is present, or  |
|           | California  |   | greater residual control is desired.   |
|           | Armyworm, such as:<br>Beet armyworm<br>Fall armyworm  | 2 - 8<br>(0.031-0.125 lb. a.i.)                   |  |
|           | Southern armyworm<br>Yellow-striped armyworm<br>Lesser Cornstalk Borer<br>Soybean Looper<br>(suppression) | California only:<br>4-8<br>(0.063-0.125 lb. a.i.) | *  |
|           | Grasshopper   | 2<br>(0.031 lb. a.i.)                             | For best results, apply when the majority of infesting grasshoppers have<br>reached the 2nd to 3rd nymphal stage of development. VENTRLIX 2L is not<br>effective in controlling grasshoppers once they reach the adult stage. If a large<br>influx from neighboring fields should occur, the time to reduce that population<br>may not be short enough to minimize extensive foliage feeding. Use a tank mix<br>with a knockdown insecticide under these conditions. |

PEANUTS Cont. next page

#### PEANUTS\*\* Cont.

Aerial Application: Apply in sufficient water (3 to 5 gallons per acre) to achieve uniform coverage of foliage. Ground Application: Apply in 9 to 35 gallons of water per acre to give uniform coverage. Adjuvant Usage: See Cotton section.

Since VENTRILIX 2L is an insect growth regulator, larvae/nymphs must ingest treated plant material and then molt before populations are reduced. Thus initial signs of control may not be seen until 5 to 7 days after treatment.

#### PEANUT USE RESTRICTIONS:

- DO NOT make more than 3 applications per season.
- DO NOT apply more than 8 fl. oz. of VENTRILIX 2L (0.125 lb. a.i.) per acre per application.
- DO NOT apply more than 24 fl. oz. of VENTRILIX 2L (0.375 lb. a.i.) per acre per calendar year.
- Pre-harvest interval: DO NOT harvest within 28 days of application.

\*\*Not registered for use in New York

| Crops   | Pests                      | Application Rate (fl. oz./acre)   | Application Timing   |
|---------|----------------------------|-----------------------------------|--|
| PEARS** | Pear Psylla (pre-bloom)    | 40 - 48<br>(0.625-0.750 lb. a.i.) | Apply in 80 to 400 gallons of water per acre during the delayed dormant to the popcorn stage period.   |
|         |                            | $\mathbb{C}$                      | Complete uniform coverage of the tree is essential to achieve insect control.<br>A horticultural mineral oil should be used at a rate of 4 to 6 gallons per acre<br>during the delayed dormant period. After this period and through the popcom<br>stage, apply oil at a concentration of 0.25%, but use no more than 1 gallon<br>per acre. A surfactant may be used to improve coverage. Follow manufacturer's<br>label specifications. <b>VENTRILIX 2L</b> should be applied during egg deposition<br>so that it will come in contact with pear psylla eggs and/or 1st and 2nd instar<br>nymphs. |
|         | Pear psylla (post-bloom)   | 12 - 16<br>(0.188-0.250 lb. a.i.) | Applications at normal codling moth rates and timings will provide suppression<br>of pear psylla.  |
|         | Pear rust mite (pre-bloom) | 40 - 48<br>(0.625-0.750 lb. a.i.) | Apply in 80 to 400 gallons of water per acre from delayed dormant to the popcorn stage. See 'Pear psylla (pre-bloom)' for the use of oil.  |

PEARS Cont. next page

| Crops         | Pests        | Application Rate<br>(fl. oz./acre) | Application Timing  |
|---------------|--------------|------------------------------------|---|
| PEARS** Cont. | Codling Moth | 12 - 16<br>(0.188-0.250 lb. a.i.)  | Apply in a minimum of 80 gallons of water per acre. Use the lower rate where there is light codiing moth pressure and/or on small trees. Complete coverage of the fruit and follage in all areas of the trees is essential for insect control. Timing of application is extremely important because <i>VENTRILIX</i> 2L controls codiing moth by prohibiting the hatching elgs. It must be applied prior to egg laying or observed, or about 50- to 75-degree-days after biofix. This timing can be determined by your local pest control consultant and/or fruit specialist with the aid of pheromone traps. Normally this timing occurs at late petal fall or about 10 to 14 on 29 earlier of or organophosphate insecticides. Apply second application about 14 to 18 days after the first. If necessary, apply third and fourth application, timed prior to egg laying of the 2nd speare days after the second, followed by the 4th application by using the same method as for the 13 tegeneration. If traps are not used, make the 3rd application 21 to 30 days after the second, followed by the 4th application 21 to 30 days later. If a degree day model is used the 3rd spray should be timed at 1000- degree-days after biofix. Combination with organophosphates for codiing moth control: VENTRILIX 2L can be used in combination with an organophosphate insecticide, to save a trip through the orchard and to make timing of the VENTRILIX 2L alone when controlling moderate to heavy codiing moth intestations and/or treating large trees. The combination will provide residual control of egge ladia of 14 to 280, egneration. Apply VENTRILIX 2L alone when controlling to the first organophosphate cover spray (250-degree-days following biofix for 1st generation of 2 degree-days following biofix for 1st generation of 2 degree-days following biofix for 1st generation and 1250-degree days for the 2nd generation). This program can be repeated for the 2nd or 3'd generation of codiing moth or use VENTRILIX 2L in late season treatments. With light codling moth regree-tays following biofi |

| Crops         | Pests   | Application Rate (fl.<br>oz./acre) | Application Timing  |
|---------------|---|------------------------------------|---|
| PEARS** Cont. | Leafminer   | 8 - 16<br>(0.125-0.250 lb. a.i.)   | Apply in a minimum of 80 gallons of water just prior or during egg laying to<br>control eggs and larvae. Timing for control of the 1st or 2nd generation can be<br>determined by your local pest control consultant or finit specialist. Should later<br>generations of leafminers occur, apply <b>VENTRILIX 2L</b> in the same manner. |
|               |   |                                    | It is desirable to have <b>VENTRILIX 2L</b> in place at the time of egg laying. It will<br>continue to give control through the early sap feeding stage. Complete coverage<br>of the foliage is essential to achieve control of the larvae through the early sap<br>feeding stage.  |
|               | Katydids*<br>Pear slugs (sawflies)*   | 8<br>(0.125 lb. a.i.)              | Apply when early instars are first notices. <i>VENTRILIX 2L</i> must be ingested and nymphs/instars must molt before populations are reduced.   |
|               |   |                                    | VENTRILIX 2L will not control katydids and pear slugs once in the adult insect stage.   |
|               |   |                                    | Repeat application for subsequent generations.  |
|               |   |                                    | Allow at least 14 days between successive applications.   |
|               | Oil may cause injury to certa   | in pear varieties. Check c         | ompatibility of oil mixtures with your local tree fruit specialist.   |
|               | <ul> <li>PEAR USE RESTRICTIONS:</li> <li>DO NOT apply more than 4 applications per year.</li> <li>DO NOT apply more than 48 in.oz. of VENTRLIX 2L (0.750 lb. a.l.) per acre per application.</li> <li>DO NOT apply more than 64 lin.oz. of VENTRLIX 2L (1.000 lb. a.l.) per acre per calendar year.</li> <li>Pre harvest interval: DO NOT harvest within 14 days of application.</li> <li>DO NOT use oil in tank mix in late season treatments (3" and 4" applications).</li> <li>*Not registered for use in California</li> <li>*Not registered for use in New York</li> </ul> |                                    |   |

| Crops   | Pests   | Application Rate<br>(fl. oz./acre) | Application Timing   |  |
|---|---|------------------------------------|--|--|
| PEPPER / EGGPLANT<br>SUBGROUP**<br>8-10B includes: African<br>eggplant; bell pepper;<br>eggplant; martynia;<br>nonbell pepper; okra;<br>pea eggplant; | Beet armyworm<br>Fall armyworm<br>Southern armyworm<br>and other foliage feeding<br>Lepidopteran insects  | 4 – 8<br>(0.063-0.125 lb. a.i.)    | Make initial application of 4 - 8 fl. oz. (0.063-0.125 lb. a.i.) VENTRILIX 2L<br>per acre when larvae are small to give greater control and minimum damage<br>to leaves and/or to fruit. Use a higher listed rate if being applied alone and/or<br>infestation is considered heavy. A knockdown tank-mix partner should be used<br>if late instar larvae are present. Use a minimum of 30 gallons of water per<br>acre to give uniform coverage. Additional applications allow for more complete<br>coverage of new foliage and expanding fruit.   |  |
| pepino; roselle;<br>scarlet eggplant; cultivars,<br>varieties, and/or hybrids<br>of these.  | Pepper Weevil   | 4 - 8<br>(0.063-0.125 lb. a.i.)    | Apply <b>VENTRILIX</b> 2L at 4 - 8 fl. oz. (0.063-0.125 lb. a.i.) per acre starting at<br>initial flowering. Use at the higher listed rate if adult infestation is considered<br>moderate to heavy. Apply additional applications at 7-day intervals up to 7 days<br>before harvest. Additional applications allow for more complete coverage of new<br>foliage and expanding fruit. Note that <b>VENTRILIX</b> 2L will not control adults;<br>however eggs laid by adults will exhibit reduced hatching in fruits once adults<br>have consumed or contacted residues of <b>VENTRILIX</b> 2L on pepertissue. |  |
|   | Aerial application: Apply in sufficient water (3 to 10 gallons per acre) to achieve uniform coverage of foliage.<br>Ground application: Use a minimum of 30 gallons of water per acre to give uniform coverage.<br>Adjuvant Usage: See Cotton Section.  |                                    |  |  |
|   |   |                                    | larvae and nymphs must ingest treated plant material and then molt before hay not be seen until 5 to 7 days after treatment.   |  |
|   | <ul> <li>PEPPER/EGGPLANT SUBGROUP 8-10B USE RESTRICTIONS:</li> <li>DO NOT apply more than 8 fl. oz. of VENTRILIX 2L (0.125 lb. a.i.) per acre per application.</li> <li>DO NOT apply more than 5 applications per year.</li> <li>Allow a minimum of 7 days between any two applications.</li> <li>Pre-harvest interval: DO NOT apply within 7 days of harvest.</li> </ul> |                                    |  |  |
|   | **Not registered for use in Net   | ew York                            |  |  |

| Crops                       | Pests  | Application Rate<br>(fl. oz./acre)   | Application Timing  |  |
|-----------------------------|--|--------------------------------------|---|--|
| RICE, GRAIN                 | Rice Water Weevil<br>(Southern U. S. Rice Belt)<br>- drill seeded, dry seeded<br>or water seeded delayed<br>flood rice | 12 - 16<br>(0.188-0.250 lb. a.i.)    | Southern U. S. Rice Belt -Single Application<br>Make a single application of VENTRILIX 2L per acre per year to control larvae<br>when adult infestations reach economic threshold and/or at initial oviposition,<br>usually within a time frame of 2 to 5 days after permanent flood establishment.<br>If adult weevil infestations are historically high and/or migration into the field is<br>prolonged, use the higher listed application rate.  |  |
|                             | Rice Water Weevil<br>(Southern U. S. Rice Belt)<br>- water seeded, pinpoint<br>flood or continuous flood<br>rice       | 8 + 8<br>(0.125 + 0.125<br>lb. a.i.) | Southern U. S. Rice Belt-Split Application<br>To control larvae, apply split applications. Apply 8 fl. oz. (0.125 lb. a.l.) per acre<br>after the permanent flood when adult intestations reach economic threshold<br>and/or at initial oviposition, usually when rice leaves are exposed above the<br>water surface. The 2 <sup>-4</sup> 8 fl. oz. (0.125 lb. a.l.) treatment must be made 5 to<br>7 days after the 1 <sup>-44</sup> application. Failure to make the second application 5 to 7<br>days after the 1 <sup>-44</sup> application could result in inadequate control of rice water<br>weevil larvae, especially if adult infestations are high and/or migration into the<br>field is prolonged. |  |
|                             | Rice Water Weevil<br>(California)  | 8 – 16<br>(0.125-0.250 lb. a.i.)     | California<br>To control larvae apply VENTRILIX 2L once per year at initiation of oviposition<br>by adults. During a typical year this coincides with 2 to 8 days after rice<br>emergence above the water.<br>Target the application for 2 to 5 days after rice emergence above the water<br>(2- to 4-leaf stage). Use 12 - 16 fl. oz. (0.188-0.250 lb. a.i.) VENTRILIX 2L if<br>infestations have been historically high.  |  |
|                             | Tadpole Shrimp   | 4 - 8<br>(0.063-0.125 lb. a.i.)      | Apply VENTRILIX 2L at 4-8 fl. oz. (0.063-0.125 lb. a.i.) per acre as a broadcast<br>application to water when tadpole shrimp first hatch and are present, which is<br>early post-flood or 1 to 3 days after the field is flooded.<br>Apply VENTRILIX 2L at 8 fl. oz. (0.125 bb. a.i.) per acre in a strip and perimeter<br>configuration covering an area equal to 50% of the field water coverage area. <sup>1</sup>   |  |
|                             | Yellowstriped Armyworm   | 4 – 8<br>(0.063-0.125 lb. a.i.)      | Apply <b>VENTRILIX 2L</b> at 4-8 fl. oz. (0.063-0.125 lb. a.i.) per acre to rice when<br>Yellowstiped armyworm eggs or larvae are first observed on plants. Use 4 fl. oz.<br>(0.063 lb. a.i.) per acre for small larvae (1st to 3rd instar), and 8 fl. oz. (0.125<br>lb. a.i.) per acre for large larvae (4th to 6th instar).   |  |
| RICE, GRAIN Cont. next page |  |                                      |   |  |
|                             |  | 30                                   |   |  |

#### RICE, GRAIN Cont.

Consult your local extension service for determination of economic threshold and/or determination of oviposition. VENTRILX 2L does not appear to control adult weevils. It controls rice water weevil by preventing larval emergence from the egg. Eggs laid under the surface of treated water are controlled. Additionally, adults feeding on treated plant surfaces DO NOT lay viable eggs.

VENTRILIX 2L will prevent tadpole shrimp from successfully molting. VENTRILIX 2L does not appear to control adult tadpole shrimp.

VENTRILIX 2L will prevent Yellowstriped armyworm larvae from successfully molting. VENTRILIX 2L does not control adult Yellowstriped armyworm moths.

Apply VENTRILIX 2L by air using at least 5 gallons total volume per acre.

VENTRILIX 2L is not phytotoxic to rice. VENTRILIX 2L can be safely applied in combination with post permanent flood herbicides containing propanil, quinclorac, triclopyr, or bensulfuron-methyl. However, before using a tank-mix combination, read each product label carefully and follow Precautionary Statements on each label.

#### RICE, GRAIN USE RESTRICTIONS:

- DO NOT apply more than 16 fl. oz. of VENTRILIX 2L (0.250 lb. a.i.) per acre per application.
- DO NOT apply more than 16 fl. oz. of VENTRILIX 2L (0.250 lb. a.i.) per acre per calendar year.
- DO NOT apply more than 4 applications per year.
- · Preharvest interval: DO NOT harvest within is 80 days of application.
- · DO NOT use on rice fields in which crayfish (crawfish) farming is included in the cultural practice.
- · DO NOT drain treated water onto fields where crayfish farming is intended.
- DO NOT apply to rice immediately adjacent to sites of crayfish aquaculture.
- DO NOT use treated rice flood waters for irrigated crops except for uses currently established for VENTRILIX 2L.
- DO NOT impregnate on granular materials.
- DO NOT use on wild rice (Zizania spp.)
- DO NOT apply VENTRILIX 2L if flooding is in progress. Activity will be reduced. Since VENTRILIX 2L is water active, the entire field must be treated. For
  maximum activity of VENTRILIX 2L DO NOT disturb flood after a single application for at least 7 days. With split applications in water seeded, pinpoint or
  continuous flood rice, flood must not be disturbed for a minimum of 4 days following the 1st treatment and 7 days following the 2nd application. Hold treated
  water at least 14 days to allow for dissipation of VENTRILIX 2L.

| <sup>1</sup> Example of perimeter and strip application. |                             |
|--|-----------------------------|
|  |                             |
|  |                             |
|  | Treated Area Untreated Area |

| Crops     | Pests   | Application Rate<br>(fl. oz./acre) | Application Timing   |  |
|-----------|---|------------------------------------|--|--|
| SOYBEANS* | Velvet Bean Caterpillar<br>Mexican Bean Beetle<br>Green Cloverworm  | 2 - 4<br>(0.031-0.063 lb. a.i.)    | Make applications when larvae are small (< 0.5 inches) to give greater control<br>and minimum insect damage, to leaves. Repeat application if damaging<br>numbers reappear. The minimum reapplication interval is 0 days. <i>VeNTRLIX</i><br>2L may be applied at the lower rate (2 fl. oz.; 0.031 lb. a.i.) to prevent velvet<br>bean caterpillar build-up when the vegetative growth of soybeans is completed<br>and as pod formation begins. Consult local Extension Service regarding<br>infestation levels requiring treatment. |  |
|           | Beet Armyworm<br>Fall Armyworm<br>Soybean Looper (suppression)  | 4<br>(0.063 lb. a.i.)              | Application must be made when worms are small before populations build.  |  |
|           | Grasshopper   | 2<br>(0.031 lb a.i.)               | Apply when the majority of infesting grasshoppers have reached the 2nd to 3rd<br>nymphal stage of development. <b>CMNTRLUX 2L</b> is not effective in controlling<br>grasshoppers once they reach the adult stage. If a large influx from neighboring<br>fields should occur, the time to reduce that population may not be short enough<br>to minimize extensive foliage feeding; use a tank mix with a knockdown<br>insecticide under these conditions.  |  |
|           |   | in 9 to 35 gallons of wate         | iallons per acre) to achieve uniform coverage of foliage.<br>r per acre to give uniform coverage.  |  |
|           | Since VENTRILLX 2L is an insect growth regulator, larvae/nymphs must feed on it and then molt before populations are reduced. Thus<br>initial signs of control may not be seen until several days after treatment.<br>Soybean yield enhancement: In the absence of significant insect pressure and under certain growing conditions, an increase in<br>soybean seed yield has been demonstrated with VENTRILIX 2L under field conditions on both determinate and indeterminate cultivars.<br>Application of 2 - 4 II. oz. per acre to high yield potential soybean plants at the R3 to R3.5 growth stage period has been more consistent<br>in increasing yields than applications at other reproductive stages of the soybean plant. This reproductive period represents beginning<br>pod growth (pod 3/16 inch long at one of the uppermost nodes on the main stem with a fully developed leaf) to just prior to full pod<br>elongation (pod 3/4 inch long at one of the 4 uppermost nodes on the main stem with a fully developed leaf). |                                    |  |  |
| C         | <ul> <li>SOYBEANS USE RESTRICTIONS:</li> <li>DO NOT make more than 2 applications per season.</li> <li>DO NOT apply more than 4 fl. oz. of VENTRILIX 2L (0.063 lb. a.i.) per acre per application.</li> <li>DO NOT apply more than 8 fl. oz. of VENTRILIX 2L (0.125 lb. a.i.) per acre per calendar year.</li> <li>Pre-harvest interval: DO NOT harvest within 21 days of application.</li> </ul>   |                                    |  |  |
|           | *Not registered for use in Ca   | lifornia                           |  |  |

| Crops   | Pests             | Application Rate<br>(fl. oz./acre) | Application Timing  |
|---|-------------------|------------------------------------|---|
| TREE NUTS GROUP<br>14-12**<br>includes:<br>African tree nut<br>Almond<br>Beech nut<br>Brazil nut<br>Brazil nut<br>Butternut<br>Brazilian pine<br>Bunya<br>Bur oak<br>Cajou nut<br>Candlenut | Codling Moth      | 16<br>(0.250 lb. a.i.)             | VENTRILIX 2L is most effective when applied prior to egg laying. VENTRILIX<br>2L must be present on the surface upon which eggs are laid; therefore, full<br>coverage spray is necessary. Apply first application when moth flights begin<br>or when moths are found in pheromone traps. Apply the 2 <sup>nd</sup> application<br>approximately 21 days after the 1st application. For control of the 2 <sup>nd</sup> brood,<br>application should be timed prior to egg laying, similar to 1st brood. Because<br>of fluctuations in temperature, the emergence and moth flights of the over-<br>wintering population may be extended over a long period of time. Under such<br>circumstances, VENTRILIX 2L should be tank mixed with an organophosphate<br>insecticide at its lowest label rate. This tank mix should be applied at normal<br>1st organophosphate timing. Later in the season, if egg laying has already<br>occurred before application of VENTRILIX 2L, tank mix WENTRILIX 2L with<br>an organophosphate as previously described. |
| Cashew<br>Chestnut<br>Chinquapin<br>Coconut<br>Coquito nut<br>Dika nut<br>Filbert (hazelnut)<br>Ginkgo<br>Guiana chestnut<br>Heartnut<br>Hickory nut  | Filbert Worm      | 12 - 16<br>(0.188-0.250 lb. a.i.)  | The lower rate may be used where filbert worm pressure is low and/or the trees<br>are small. The higher listed rate is necessary when worm pressure is moderate<br>to high and/or the trees are large, Apply <b>VENTRILX 21</b> to 3 days after the<br>1st moth is caught in pheromone detection traps. Mating takes place within<br>several days of emergence and egg laying begins the next day. <b>VENTRILX 21</b><br>must be applied prior to egg deposition on the treated foliage. Good uniform<br>coverage of the tree is essential to achieve optimum control of filbert worm with<br><b>VENTRILX 21</b> .<br>Normally <b>VENTRILX 21</b> will give season long control. If moth pressure remains<br>high, additional applications should be made.  |
| Japanese horse chestnut<br>Macadamia nut (bush nut)<br>Mongongo nut<br>Pecan<br>Pistachio   | Hickory Shuckworm | 8 – 16<br>(0.125-0.250 lb. a.i.)   | Apply split applications of <b>VENTRILIX 2L</b> at 4 - 8 fl. oz. (0.063-0.125 lb. a.i.)<br>per acre when hickory shuckworm moth emergence begins or larval feeding<br>is detected and then again two weeks later for maximum nut protection and<br>hickory shuckworm control.   |
| Sapucaia nut<br>Tropical almond<br>Walnut (black & English)<br>Yellowhorn<br>Cultivars, varieties, and/<br>or hybrids of these  |                   |                                    | Apply <b>VENTRILIX 2L</b> starting at half-shell hardening. Make subsequent<br>applications at 21-day intervals to shuck split, or while nuts are susceptible to<br>hickory shuckworm under heavy infestations. Use the higher listed rate under<br>higher pest infestations, low crop load, larger trees or heavy, dense foliage.  |
|   |                   | 22                                 | TREE NUTS GROUP Cont. next page   |

| Crops   | Pests                      | Application Rate<br>(fl. oz./acre) | Application Timing   |
|---|----------------------------|------------------------------------|--|
| TREE NUTS GROUP<br>14-12** Cont.<br>includes:<br>African tree nut<br>Almond<br>Beech nut<br>Brazil nut<br>Butternut<br>Brazilian pine<br>Burya<br>Burya<br>Bur oak      | Peach Twig Borer           | 12 - 16<br>(0.188-0.250 lb. a.i.)  | Dormant/delayed dormant: Apply VENTRILIX 2L at the rate of 12 - 16 fl. oz.<br>(0.188-0.250 lb. a.i.) per acre with 4 to 8 gallons per acre (1.5 to 2.0 gallons<br>per 100 gallons in a dilute spray) narrow range oil. Always use the higher listed<br>rate of VENTRILIX 2L in the rate range if the crop has a history of heavy<br>infestations.<br>Bloom: Apply VENTRILIX 2L at the rate of 12 - 16 fl. oz. (0.188-0.250 lb. a.i.)<br>per acre starting at early bloom. Always use the higher listed rate of VENTRILIX<br>2L in the rate range if the crop has a history of heavy infestations.<br>Spring flight ("May Spray"): Using pheromone traps to determine flight<br>activity, apply VENTRILIX 2L at the rate of 16 fl. oz. (0.250 lb. a.i.) per acre<br>at initial flight activity. |
| Cajou nut<br>Candlenut<br>Cashew<br>Chestnut  |                            |                                    | Summer flight: Using pheromone traps to determine flight activity, apply<br>VENTRILIX 2L at the rate of 16 fl. oz. (0.250 lb. a.i.) per acre at initial flight<br>activity.  |
| Chinquapin<br>Coconut<br>Coquito nut<br>Dika nut  | Pecan Nut Case-Bearer      | 8 – 16<br>(0.125-0.250 lb. a.i.)   | Apply split applications of <b>VENTRILIX 2L</b> at 4 - 8 fl. oz. (0.063-0.125 lb. a.i.)<br>per acre beginning at bud break and then again two weeks later for maximum<br>nut set and pecan nut case bearer control. Normal timing in southeastern US<br>would be from mid-April for bud break and then two weeks later (early May).  |
| Filbert (hazelnut)<br>Ginkgo<br>Guiana chestnut<br>Heartnut<br>Hickory nut<br>Japanese horse chestnut<br>Macadamia nut (bush nut)<br>Mongongo nut<br>Pecan<br>Pistachio | ~                          |                                    | Apply <b>VENTRILIX 2L</b> in split applications at the initiation of each adult generation to target egg hatch. Note for the 1st generation this is approximately 8 to 15 days following the first prolonged moth catch (biofix which is defined as the date on which the total of 5 moths are captured in 3 pheromone traps within a 7-day period). States may have a different recommendation for initiation of spraying; please consult authorities such as county and university extension specialists on current recommendations. Use the higher listed rate for longer residual control, higher pest infestations, low crop load, larger trees or heavy, dense foliage.  |
| Sapucaia nut<br>Tropical almond<br>Walnut (black & English)<br>Yellowhorn<br>Cultivars, varieties, and/<br>or hybrids of these  | Pecan Weevil (suppression) | 8 – 16<br>(0.125-0.250 lb. a.i.)   | Use the higher listed rate if weevils are attacking fruit and for higher infestations.   |
|   |                            | 24                                 | TREE NUTS GROUP Cont. next page  |

| Crops  | Pests   | Application Rate<br>(fl. oz./acre)   | Application Timing  |
|--|---|--|---|
| TREE NUTS GROUP<br>14-12** Cont.<br>includes:<br>African tree nut<br>Afmond<br>Beech nut<br>Brazil nut<br>Brazilian pine<br>Butternut<br>Brazilian pine<br>Burrya<br>Bur oak | Others, including:<br>Fall webworm<br>Filbert leafroller<br>Oblique banded leafroller<br>Omniverous leaffoller<br>Omintal fruit moth<br>Redhumped caterpillar<br>Variegated leafroller<br>Walnut caterpillar<br>Winter moth | 8 - 16<br>(0.125-0.250 lb. a.i.)   | Apply <b>VENTRILIX 2L</b> at the first sign of larval infestations. Use the higher listed rate for longer residual control, higher pest infestations, low crop load, larger trees or heavy, dense foliage.  |
| Cajou nut<br>Candlenut<br>Cashew<br>Chestnut<br>Chinquapin<br>Coconut  | Tent caterpillars*  | 8 – 16<br>(0.125-0.250 lb. a.i.)   | VENTRILIX 2L may be applied by ground equipment to almonds, pecans,<br>pistachios, and walnuts (black and English).<br>Apply at first sign of larval infestation.<br>Use higher listed rate for longer residual control, higher pest infestations, low<br>crop load, larger trees or heavy dense foliage. |
| Coquito nut<br>Dika nut<br>Filbert (hazelnut)<br>Ginkgo  | at least 100 to 300 gallons   | per acre for larger trees. F<br>phly covered. If 4 applicat                    | Igh coverage, using at least 50 gallons per acre for small trees (10 feet tall) and<br>or optimal results, use enough water for thorough coverage and make sure that<br>ions are used, application timing should correspond to dormant to pre-bud swell,<br>mation and at hull split.                     |
| Guiana chestnut<br>Heartnut<br>Hickory nut<br>Japanese horse chestnut<br>Macadamia nut (bush nut)  |   | 8 days.<br>n 16 fl. oz. of <i>VENTRILIX</i><br>z. of <i>VENTRILIX 2L</i> (1.00 | <ul> <li>2L (0.250 lb. a.i.) per acre per application.</li> <li>0 lb. a.i.) per acre per year.</li> <li>on (3 for walnuts).</li> </ul>  |
| Mongongo nut<br>Pecan<br>Pistachio<br>Sapucaia nut<br>Tropical almond<br>Walnut (black & English)<br>Yellowhorn  | * Not registered for use in C<br>**Not registered for use in N  | alifornia  |   |

| Crops   | Pests   | Application Rate<br>(fl. oz./acre) | Application Timing   |
|---|---|------------------------------------|--|
| TURFGRASS**<br>(for use on sod farms<br>only) | Lepidopteran foliage<br>feeding caterpillars<br>such as:<br>Sod webworm<br>Armyworms, including:<br>Fall, True, Southern, Beet,<br>Yellow-striped, Striped<br>Grass Looper, Granulate<br>Cutworm  | 2<br>(0.031 lb. a.i.)              | Apply <b>VENTRILIX 2L</b> at first sign of hatchouts and prior to larvae reaching 4th<br>instars (>1/2 inch). Apply in 20 to 50 gallons of water per acre depending on<br>density of turi and caterpillar pressure. <b>VENTRILIX 2</b> must be ingested and<br>larvae must molt before populations are reduced. Repeat applications at 14-day<br>intervals or as needed to protect new foliage growth. |
|   |   |                                    | f water per acre depending on the density of turf and caterpillar pressure. Use<br>lense foliage. VENTRILIX 2L can be reapplied, if necessary, after an application  |
|   | TURFGRASS (for use on sod farms only) USE RESTRICTIONS:         • D0 NOT exceed a total of 4 applications per year.         • 0D NOT apply more than 2 fl. oz. of VENTRILX 2L (0.031 lb. a.i.) per acre per application.         • D0 NOT apply more than 8 fl. oz. of VENTRILX 2L (0.125 lb. a.i.) per acre per calendar year. |                                    |  |
|   | **Not registered for use in N   | ew York                            |  |

### STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improger disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the 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 HANDLING:

For plastic containers < 5 gallons: Nonrefillable Container: D0 N0T reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into 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 and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

For plastic containers > 5 gallons: Nonrefillable container, DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container '% full with water. Recap and tighten closures. The container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on and and tip it back and forth several times. Turn the container over onto its other 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 and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

#### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of INW/CTRS CAOP CAPE, LLC on Seller. To the extent onsistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold INVICTS CROP CAPE, LLC and Seller. The the extent onsistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold INVICTS CROP CAPE, LLC and Seller. The the such associated by such factors.

INWICTIS CROP CARE, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions or under conditions and the control of Seller or INNVICTIS CROP CARE, LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, INNVICTIS CROP CARE, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither INWICTIS CROP CARE, LLC nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF INNVICTIS CROP CARE, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF INNVICTIS CROP CARE, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

INWICTIS CROP CARE, LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of INWICTIS CROP CARE, LLC.