

#### U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460

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Date of Issuance:

EPA Reg. Number:

10/24/19

| NOTICE OF PESTICIDE: |
|----------------------|
|----------------------|

X Registration Reregistration (under FIFRA, as amended)

| Term of Issuance: |
|-------------------|
| Unconditiona      |

Name of Pesticide Product:

Tigris Bifenthrin LFC

Name and Address of Registrant (include ZIP Code):

Dave G. Bolin Tigris 1204 Village Market Place #173 Morrisville, NC 27560

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/registration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

| Signature of Approving Official:   | Date:    |
|--|----------|
| I Herrick  |          |
| Jacquelyn Herrick, Product Manager 03  | 10/24/19 |
| Invertebrate and Vertebrate Branch 1, Registration Division Office of Pesticide Programs (7505P) |          |

- 2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 92647-27."
- 3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

• Basic CSF dated 06/05/2019

If you have any questions, please contact Anna Briley by phone at (703) 347-0262, or via email at briley.anna-katrina@epa.gov

Enclosure

## ACCEPTED

10/24/2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 000 477 077

92647-27

[Note to reviewer: [Text] in brackets denotes optional or explanatory language [Note to reviewer: {Text} in braces denotes where in the final label text will appear {BOOKLET FRONT PANEL LANGUAGE}

#### RESTRICTED USE PESTICIDE

Toxic to fish and aquatic organisms.

For retail sale to and use only by certified applicators, or persons under their direct supervision and only for the uses covered by the certified applicator's certification.

BIFENTHRIN GROUP 3A INSECTICIDE

## Tigris Bifenthrin LFC<sup>[™]</sup>

[For mixing directly with liquid fertilizer to control listed soil insect pests.]

| ACTIVE INGREDIENT: | (% by weight) |
|--------------------|---------------|
| Bifenthrin*        | 17.15%        |
| OTHER INGREDIENTS: | <u>82.85%</u> |
| TOTAL              | 100.0%        |

<sup>\*</sup>Cis isomers 97% minimum, trans isomers 3% maximum.

This product contains 1.5 pounds active ingredient per gallon.

alcohol may increase absorption and so should be avoided.

# WARNING/AVISO

This label must be in the possession of the user at the time of application. 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 Precautionary Statements and Directions for Use.

|                             | FIRST AID  |
|-----------------------------|--|
| If swallowed:               | Call a poison control center or doctor immediately for treatment advice.                   |
|                             | Have person sip a glass of water if able to swallow.                                       |
|                             | Do not induce vomiting unless told to do so by the poison control center or doctor.        |
|                             | Do not give anything by mouth to an unconscious person.                                    |
| If in eyes:                 | Hold eye open and rinse slowly and gently with water for 15-20 minutes.                    |
|                             | • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. |
|                             | Call a poison control center or doctor for treatment advice.                               |
|                             | HOT LINE NUMBER  |
| Have the produ              | uct container or label with you when calling a poison control center or doctor, or going   |
| for treatment. information. | You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment          |
| NOTE TO PHYS                | ICIAN - This product is a pyrethroid. If large amounts have been ingested, the stomach     |

For Chemical Emergency:

and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or

#### 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)

| EPA Reg. No.: 92647-XX |                   |  |
|------------------------|-------------------|--|
| EPA Est. No.:          |                   |  |
| Net Weight:            |                   |  |
| Net Contents:          |                   |  |
|                        | Manufactured for: |  |
|                        | Tigris, LLC       |  |

1204 Village Market Place, #173

#### **{LANGUAGE INSIDE BOOKLET}**

#### PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

#### PERSONAL PROTECTIVE EQUIPMENT:

Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves made of: barrier laminate, butyl rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), natural rubber (≥ 14 mils), polyethylene, polyvinyl chloride (PVC) (≥ 14 mils), or viton (≥ 14 mils)
- Shoes plus socks

#### Mixers and Loaders must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves made of: barrier laminate, butyl rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), natural rubber (≥ 14 mils), polyethylene, polyvinyl chloride (PVC) (≥ 14 mils), or viton (≥ 14 mils)
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **USER SAFETY RECOMMENDATIONS**

#### **Users should:**

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

#### **ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to fish and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not make applications when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are foraging the treatment area. The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.

#### **DIRECTIONS FOR USE**

#### **RESTRICTED USE PESTICIDE**

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### 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.

Do not 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, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, and Shoes plus socks.

#### RESISTANCE MANAGEMENT

For resistance management, **Tigris Bifenthrin LFC** contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to **Tigris Bifenthrin LFC** and other Group 3 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/acaricide resistance, take the following steps:

- Rotate the use of **Tigris Bifenthrin LFC** or other Group 3 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - o 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 scouting, 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 Tigris, LLC.

#### CHEMIGATION USE DIRECTIONS

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, drip irrigation, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.

For LEPA irrigation a minimum of 0.75 inch of water per acre is recommended. Where non-emulsified oils are used as the diluents, 1 to 2 pints per acre is recommended.

Results from utilizing chemigation have been variable and depend upon the set up and calibration of equipment. Crop injury, lack of effectiveness or illegal residues in the crop can result from non-uniform distribution of treated water. Contact your State Agricultural Extension Service specialists, equipment manufacturers or other experts for consultation on the suitability of the equipment set up to obtain effective control of the target insect pests.

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. Failure to cease application during a mechanical stoppage may result in undesirable residues to adjacent areas.

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, quick-closing 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 distributions 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. Tigris Bifenthrin LFC should be applied continuously for the duration of the water application. Tigris Bifenthrin LFC should be diluted in sufficient volume to ensure accurate application over the area to be treated. When using chemigation, a minimum of 0.5 inches per acre of irrigation water is recommended. Agitation generally is not required when a suitable diluent is used. A diluent test should be conducted to ensure that phase separation will not occur during dilution and application. Failure to achieve a uniform dilution throughout the time of application may result in undesirable residues or less then desirable control.

#### APPLICATION AND MIXING INSTRUCTIONS

**Tigris Bifenthrin LFC** is an insecticide that contains 1.5 pounds of bifenthrin per gallon. **Tigris Bifenthrin LFC** can be mixed directly with liquid fertilizer or with water. The rate of application is variable according to pest pressure, timing of treatments and field scouting. Use lower rates under light to moderate pest infestations, and higher rates under heaver pest pressure. In arid climates, applications rates are generally higher. Fill the tank one-half full with liquid

fertilizer or water and begin spray tank agitation. Add the proper amount of **Tigris Bifenthrin LFC** and then add the rest of the fertilizer or water. Maintain agitation until the mixture has been applied.

#### **SHAKE WELL BEFORE USING**

- Agitate the **Tigris Bifenthrin LFC** spray solutions in nurse tanks prior to moving the solution to spray system.
- Cultivation within 10 feet of a water body is prohibited to allow for the growth of a vegetated filter strip. In New York State this product may not be applied within 100 feet (using ground equipment) to 300 feet (using aerial equipment) of coastal marshes or streams that drain into coastal marshes.
- Tigris Bifenthrin LFC can be applied in-furrow with the seed, as a T-band (band over the open furrow), as a broadcast application, as a band over the row, as a pre-emergent (PRE) application, as a pre-plant incorporated (PPI) application, as a foliar application (includes chemigation), or as a transplant-water drench during setting.
- Use rates in the individual crop sections for at-plant soil applications are listed as Fluid oz/1000 Linear ft based on 30-inch row spacings. For conversion to application rates applicable to other row spacings see the table below.
- The maximum application rate per acre per season (pounds active ingredient /acre/season) as listed under the use directions for each crop must not be exceeded. This seasonal maximum includes at-plant plus foliar applications of **Tigris Bifenthrin LFC** and other products containing bifenthrin.
- For at-plant applications, **Tigris Bifenthrin LFC** can be mixed with commonly used liquid starter or pop-up fertilizers. Follow liquid fertilizer recommendations regarding seed safety and use guidelines. Conduct a preliminary jar test using the appropriate ratio of fertilizer and **Tigris Bifenthrin LFC**. Do not allow a tank mixture to set overnight, but if this occurs agitate tank mixture prior to application.

| Tigris Bifenthrin LFC Required Per Acre for Various Row Spacings |                 |                 |                 |                 |                      |  |
|--|-----------------|-----------------|-----------------|-----------------|----------------------|--|
| Row Spacing  | 36"             | 30"             | 20"             | 15"             | Twin Row 30" centers |  |
| Linear row ft/acre   | 14,520 ft       | 17,424 ft       | 26,136 ft       | 34,848 ft       | 34,848 ft            |  |
| <u>Conversion</u>  |                 |                 |                 |                 |                      |  |
| 0.2 Fluid oz/1000 Linear ft =                                    | 2.9 fl oz/acre  | 3.5 fl oz/acre  | 5.2 fl oz/acre  | 7.0 fl oz/acre  | 7.0 fl oz/acre       |  |
| 0.24 Fluid oz/1000 Linear ft =                                   | 3.5 fl oz/acre  | 4.2 fl oz/acre  | 6.3 fl oz/acre  | 8.4 fl oz/acre  | 8.4 fl oz/acre       |  |
| 0.3 Fluid oz/1000 Linear ft =                                    | 4.4 fl oz/acre  | 5.2 fl oz/acre  | 7.8 fl oz/acre  | 10.5 fl oz/acre | 10.5 fl oz/acre      |  |
| 0.39 Fluid oz/1000 Linear ft =                                   | 5.7 fl oz/acre  | 6.8 fl oz/acre  | 10.2 fl oz/acre | 13.6 fl oz/acre | 13.6 fl oz/acre      |  |
| 0.49 Fluid oz/1000 Linear ft =                                   | 7.1 fl oz/acre  | 8.5 fl oz/acre  | 12.8 fl oz/acre |                 |                      |  |
| 0.73 Fluid oz/1000 Linear ft =                                   | 10.6 fl oz/acre | 12.7 fl oz/acre |                 | •               |                      |  |
| 0.78 Fluid oz/1000 Linear ft =                                   | 11.3 fl oz/acre | 13.6 fl oz/acre | ]               |                 |                      |  |
| 0.98 Fluid oz/1000 Linear ft =                                   | 14.2 fl oz/acre | 17.1 fl oz/acre | 1               |                 |                      |  |
| 1.47 Fluid oz/1000 Linear ft =                                   | 21.3 fl oz/acre | 25.6 fl oz/acre | ]               |                 |                      |  |

#### **Crop Rotation Restrictions**

Crops for which bifenthrin tolerances exist may be rotated at any time. All other crops may be rotated 30 days following the final application of bifenthrin.

#### **Tank Mixtures**

**Tigris Bifenthrin LFC** may be applied in tank mixtures with other products approved for use on registered crops. Observe all restrictions and precautions which appear on the labels of these products. To insure successful applications, product compatibility tests should be conducted. 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.

Refer to the individual crop sections for maximum allowable **Tigris Bifenthrin LFC** usage per acre per season. The maximum allowable use must include all registered use patterns including at-plant, soil applied and/or foliar applications for the 12 months period. The 12-month period is to begin upon the initial application to the acre.

#### **BUFFER ZONES**

#### **Vegetative Buffer Zones**

Construct and maintain a minimum 10-foot-wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries; and commercial fish farm ponds). Only apply products containing bifenthrin onto fields where a maintained vegetative buffer strip of at least 10 feet exists between the field and down gradient aquatic habitat.

For guidance, refer to the following publication for information on constructing and maintaining effective buffers: Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services. USDA, NRCS. 2000. Fort Worth, Texas. 21pp. <a href="http://www.nrcs.usda.gov/Internet/FSE">http://www.nrcs.usda.gov/Internet/FSE</a> DOCUMENTS/nrcs143 023819.pdf

**Buffer Zone for Ground Application** (groundboom, overhead chemigation, or airblast) – Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

**Buffer Zone for ULV Aerial Application** - Do not apply within 450 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

**Buffer Zone for Non-ULV Aerial Application** – Do not apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

#### **Spray Drift Requirements**

#### Wind Direction and Speed

Only apply this product if the wind direction favors on-target deposition. Do not apply when the wind velocity exceeds 15 mph.

#### **Temperature Inversion**

Do not make aerial or ground applications into temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

#### **Droplet Size**

Use only medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

#### **Additional Requirements for Ground Applications**

- Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.
- For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy.
- For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

#### **Additional Requirements for Aerial Applications**

• The spray boom should be mounted on the aircraft as to minimize drift caused by wingtip or rotor vortices.

- The minimum practical boom length should be used and must not exceed 75% of the wing span or 80% rotor diameter.
- Flight speed and nozzle orientation must be considered in determining droplet size.
- Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft
- When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

#### **ARTICHOKE**

#### At-Plant

| PEST                    | USE RATES  |                             |            | DIRECTIONS  |
|-------------------------|------------|-----------------------------|------------|---|
|                         | Fluid oz/A | Fluid oz/1000<br>Linear ft. | Pound ai/A |   |
| Cribrate Weevil (Grubs) | 8.5        | 0.49                        | 0.1        | Apply as a 5 to 7 inch band (T-band) over an open furrow, or in-furrow with the seed. |

#### PPI & PRE

| PEST            | US         | E RATES    | DIRECTIONS  |
|-----------------|------------|------------|---|
|                 | Fluid oz/A | Pound ai/A |   |
| Cribrate Weevil | PRE        | PRE        | Tigris Bifenthrin LFC can be tank mixed and applied |
| (Grubs)         | 8.5        | 0.1        | with PRE herbicides.                                |
|                 | PPI        | PPI        | Tigris Bifenthrin LFC can be tank mixed and applied |
|                 | 8.5        | 0.1        | with PPI herbicides. Incorporation of Tigris        |
|                 |            |            | Bifenthrin LFC should not be any deeper than the    |
|                 |            |            | intended planting depth and no deeper than 3        |
|                 |            |            | inches. Incorporation depth should be close to the  |
|                 |            |            | intended seed planting depth.                       |

#### **Foliar**

| PEST                       | USE        | RATES      | DIRECTIONS  |
|----------------------------|------------|------------|---|
|                            | Fluid oz/A | Pound ai/A |   |
| Cribrate Weevil<br>(Grubs) | 8.5        | 0.1        | Apply when pest population reaches damaging threshold and repeat as necessary to maintain control, but not more often than 15-day intervals.  Application by ground: Apply a full cover spray in a minimum of 75 gallons of finished spray per acre.  Application by air: Apply specified dosage in a minimum of 10 gallons of finished spray per acre. |

Do not apply within 5 days of harvest.

#### **Artichoke Restrictions:**

Do not apply more than 0.5 lb ai/A per season including at-plant, PPI, PRE and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### BRASSICAS, Head and Stem (Crop Subgroup 5A)

Broccoli, Chinese, Broccoli (gai lon, white flowering broccoli), Brussels Sprouts, Cauliflower, Cavalo broccoli, Kohlrabi, Cabbage, Chinese Cabbage (napa), and Chinese Mustard Cabbage (gai choy)

#### At-Plant

| PEST             | USE RATES  |               |              | DIRECTIONS                                 |
|------------------|------------|---------------|--------------|--|
|                  | Fluid oz/A | Fluid oz/1000 | Pound ai/A   |  |
|                  |            | Linear ft.    |              |  |
| Army cutworm     | 3.4 to 6.8 | 0.2 to 0.39   | 0.04 to 0.08 | Apply as a 5-7 inch band (T-band) over the |
| Armyworm species |            |               |              | open seed or transplant furrow, or in-     |
| Cabbage maggot   |            |               |              | furrow with the seed or transplant.        |
| Cutworm species  |            |               |              |  |
| Grubs            |            |               |              | Cutworm and armyworm treatments may        |
| Root aphids      |            |               |              | be applied as broadcast treatments to the  |
| Root maggot      |            |               |              | soil surface.                              |
| Seedcorn maggot  |            |               |              |  |
| Wireworm         |            |               |              | May be applied through transplant water at |
|                  |            |               |              | time of transplanting                      |

#### **At-Plant Restrictions:**

• Do not apply more than 0.1lb ai/A per season as an at-plant application

#### PPI & PRE

| PEST              | USE RATES  |             | DIRECTIONS   |
|-------------------|------------|-------------|--|
|                   | Fluid oz/A | Pound ai/A  |  |
| Root Aphids       | PRE        | PRE         | Tigris Bifenthrin LFC can be tank mixed and applied  |
| Root Maggots      | 3.4 - 6.8  | 0.04 - 0.08 | with PRE labeled herbicides and fungicides for pre-  |
| Seed corn maggot  |            |             | transplant application.                              |
| Wireworms         | PPI        | PPI         | Incorporation of Tigris Bifenthrin LFC should not be |
| Garden Symphylans | 3.4 - 6.8  | 0.04 - 0.08 | incorporated any deeper than the intended            |
|                   |            |             | planting depth and no deeper than 3 inches.          |
|                   |            |             | Incorporation depth should be close to the           |
|                   |            |             | intended seed planting or transplant depth.          |

| PEST  | USI        | RATES       | DIRECTIONS  |
|---|------------|-------------|---|
|   | Fluid oz/A | Pound ai/A  |   |
| Aphids Armyworms Cutworms Corn Earworm Crickets Cucumber Beetles Diamondback Moth Flea Beetles Ground Beetles Imported Cabbageworm Leafhoppers Loopers Saltmarsh Caterpillar Stink Bugs Thrips Tobacco Budworm Whitefly Wireworm (adults) Black burrowing bug | 2.8 – 8.5  | 0.033 – 0.1 | Thorough coverage is necessary to attain acceptable control. Make application at the onset of infestation reaching locally determined economic thresholds.  Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. |
| Banks Grass Mite Carmine Mite Lygus Species Pacific Spider Mite Twospotted Spider Mite  | 6.8 – 8.5  | 0.08 – 0.1  |   |

#### Foliar Restrictions:

- Do not make more than 5 applications after bloom.
- Do not make applications less than 7 days apart.
- Do not apply within 7 days of harvest.

#### Brassica, Head and Stem (Crop Subgroup 5A) Restrictions:

• Do not apply more than 0.5 lb ai/A per season including At-Plant, PRE, PPI, and Foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### **BUSHBERRIES (Crop Subgroup 13-07B)**

Aronia berry; blueberry, highbush; blueberry, lowbush; buffalo currant; Chilean guava; cranberry, highbush; currant, black; currant, red; elderberry; European barberry; gooseberry; honeysuckle, edible; huckleberry; jostaberry; Juneberry (Saskatoon berry); lingonberry; native currant; salal; sea buckthorn; cultivars, varieties, and/or hybrids of these

#### **At-Plant**

| PEST                    | USE RATES  |            | DIRECTIONS   |
|-------------------------|------------|------------|--|
|                         | Fluid oz/A | Pound ai/A |  |
| Wireworm<br>White Grubs | 8.5        | 0.1        | Apply as a (T-band) over an open furrow immediately prior to transplanting, or in-furrow with the transplant in sufficient water for planting. May also be applied as a solid drench with transplant water at time of transplanting. |

#### **PPI (Site Preparation) & PRE**

| PEST             | US         | E RATES    | DIRECTIONS  |
|------------------|------------|------------|---|
|                  | Fluid oz/A | Pound ai/A |   |
| Wire worm        | PRE        | PRE        | Tigris Bifenthrin LFC can be tank mixed and applied |
| White Grubs      | 3.4 – 68.5 | 0.04 - 0.1 | with PRE herbicides                                 |
| Blueberry Maggot | PPI        | PPI        | Tigris Bifenthrin LFC can be tank mixed and applied |
| (larvae)         | 8.5        | 0.1        | with PPI herbicides, insecticides and fungicides    |
|                  |            |            | where allowed. Incorporation of Tigris Bifenthrin   |
|                  |            |            | LFC should not be any deeper than the intended      |
|                  |            |            | planting depth. Incorporation depth should be       |
|                  |            |            | close to the intended planting depth.               |

#### **Foliar**

| PEST   | USE RATES  |            | DIRECTIONS  |
|--|------------|------------|---|
|  | Fluid oz/A | Pound ai/A |   |
| Aphids Blueberry maggot Fruitworms Japanese beetle Leafhoppers Leaf rollers Lecanium scale (crawlers) Obliquebanded leaf roller Plum curculio Red banded leafroller Spanworm Variegated Leafroller Spotted Winged Drosophila | 3.4 – 8.5  | 0.04 - 0.1 | Apply in a minimum of 2 gallons finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. Thorough coverage is essential to achieve control. Make application at the onset of infestation reaching locally determined economic thresholds. |
| Carmine Mite<br>Lygus Species<br>Pacific Spider Mite<br>Twospotted Spider Mite   | 6.8 – 8.5  | 0.08 - 0.1 |   |

#### **Foliar Restrictions:**

- Do not make applications less than 7 days apart.
- Do not apply within 1 day of harvest.

#### **Bushberries (Crop Subgroup 13-07B) Restrictions:**

Do not apply more than 0.5 lb ai/A per season including at-plant, PRI, PRE and foliar application of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

### **CANEBERRIES (Crop Subgroup 13-07A)**

Caneberries including Bingleberries, Blackberries, Dewberries, Loganberries, Lowberries, Marionberries, Olallieberries, Raspberries, and Youngberries.

#### At-Plant

| PEST        | USE RATES  |            | DIRECTIONS  |
|-------------|------------|------------|---|
|             | Fluid oz/A | Pound ai/A |   |
| Wireworm    | 8.5        | 0.1        | Apply as a 5 to 7 inch band (T-band) over an open     |
| White Grubs |            |            | furrow in sufficient water for planting, or in-furrow |
|             |            |            | with the seed. May be applied through transplant      |
|             |            |            | water at time of transplanting.                       |

#### PPI & PRE

| PEST        | USI        | E RATES    | DIRECTIONS  |
|-------------|------------|------------|---|
|             | Fluid oz/A | Pound ai/A |   |
| Wireworm    | PRE        | PRE        |   |
| White Grubs | 8.5        | 0.1        |   |
|             | PPI        | PPI        | Tigris Bifenthrin LFC can be tank mixed and applied         |
|             | 8.5        | 0.1        | with PPI pesticides labeled for site preparation.           |
|             |            |            | Incorporation of <b>Tigris Bifenthrin LFC</b> should not be |
|             |            |            | any deeper than the intended planting depth.                |
|             |            |            | Incorporation depth should be close to the                  |
|             |            |            | intended planting depth.                                    |

#### **Foliar**

| PEST  | USE RATES  |            | DIRECTIONS   |
|---|------------|------------|--|
|   | Fluid oz/A | Pound ai/A |  |
| Leafrollers Orange Tortrix Root Weevils Spotted Winged Drosophila | 4.3 – 8.5  | 0.05 - 0.1 | Apply by air or ground equipment using sufficient water to obtain full coverage of foliage (minimum of 10 gallons per acre by air and 50 gallons per acre by ground).  One application may be made pre-bloom and a second application may be made post-bloom.  For Crown Borer, apply 0.1 lb ai/a post harvest (fall) or pre bloom (spring), as a drench application directed at the crown of plants in a minimum of 200 gallons water per acre. Greater efficacy is observed at higher gallons (up to 400 gallons/a) or in an application prior to a significant rainfall event. Do not make both pre bloom foliar and pre bloom drench applications. |

#### **Foliar Restrictions:**

- One application may be made pre bloom and a second application may be made post bloom.
- Do not apply within 3 days of harvest.

#### Caneberries (Crop Subgroup 07A) Restrictions:

• Do not exceed 0.2 lb ai/A per season including at-plant, PRI, PRE, and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### CANOLA, CRAMBE, RAPESEED

#### At-Plant

| PEST             | USE RATES  |            | DIRECTIONS  |
|------------------|------------|------------|---|
|                  | Fluid oz/A | Pound ai/A |   |
| Army cutworm     | 6.83       | 0.08       | Apply as a 5 to 7 inch band (T-band) over an open |
| Armyworm species |            |            | furrow, or in-furrow with the seed.               |
| Cutworm species  |            |            |   |
| Grape colaspis   |            |            |   |
| Grubs            |            |            |   |
| Root aphids      |            |            |   |
| Seed corn beetle |            |            |   |
| Seed corn maggot |            |            |   |
| Stalkborer       |            |            |   |
| Sugarcane beetle |            |            |   |
| True armyworm    |            |            |   |
| Wireworm         |            |            |   |

#### PPI & PRE

| PEST                | USE RATES  |            | DIRECTIONS  |
|---------------------|------------|------------|---|
|                     | Fluid oz/A | Pound ai/A |   |
| Army cutworm        | PRE        | PRE        | Tigris Bifenthrin LFC can be tank mixed and applied |
| Armyworm species    | 6.83       | 0.08       | with PRE herbicides                                 |
| Cutworm species     | PPI        | PPI        | Tigris Bifenthrin LFC can be tank mixed and applied |
| Grape colaspis      | 6.83       | 0.08       | with PPI herbicides. Incorporation of <b>Tigris</b> |
| Grubs               |            |            | Bifenthrin LFC should not be any deeper than the    |
| Root aphids         |            |            | intended planting depth and no deeper than 3        |
| Seed corn beetle    |            |            | inches. Incorporation depth should be close to the  |
| Seed corn maggot    |            |            | intended seed planting depth.                       |
| Stalkborer          |            |            |   |
| Sugarcane beetle    |            |            |   |
| True armyworm       |            |            |   |
| Wireworm (PPI only) |            |            |   |

| PEST  | USE RATES  |              | DIRECTIONS  |
|---|------------|--------------|---|
|   | Fluid oz/A | Pound ai/A   |   |
| Aphids Armyworms Cutworms Diamondback Moth Loopers Other Lepidopterous Larvae Flea Beetle Flea Hopper Grasshopper Plant Bug Stink Bugs Seedpod Weevil Thrips Whitefly | 2.8 - 3.4  | 0.033 - 0.04 | Apply in a minimum of 2 gallons finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment.  When applying by air, 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. |

#### **Foliar Restrictions:**

- Do not make applications less than 14 days apart.
- Do not apply within 35 day of harvest.

#### Canola, Crambe, and Rapeseed Restrictions:

• Do not apply more than 0.08 lb ai/A per season including at-plant, PRI, PRE, and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### CILANTRO, CORIANDER

#### At-Plant

| PEST               | USE RATES                           |            |             | DIRECTIONS                                    |
|--------------------|-------------------------------------|------------|-------------|---|
|                    | Fluid oz/A Fluid oz/1000 Pound ai/A |            | Pound ai/A  |   |
|                    |                                     | Linear ft. |             |   |
| Armyworm species   | 3.4 – 6.8                           | 0.2 - 0.39 | 0.04 - 0.08 | Apply as a 5 to 7 inch band over the row on   |
| Cutworm species    |                                     |            |             | the soil surface, a 5 to 7 inch band over the |
| Flea beetle larvae |                                     |            |             | open furrow (T-band) in-furrow with the       |
| Wireworm           |                                     |            |             | seed, or broadcast to the soil surface.       |

#### **At-plant Restrictions:**

• Do not apply more than 0.1 lb ai/A per season as an at-plant application.

#### PPI & PRE

| THAT ILL         |            |             |   |  |  |  |
|------------------|------------|-------------|---|--|--|--|
| PEST             | USE        | RATES       | DIRECTIONS  |  |  |  |
|                  | Fluid oz/A | Pound ai/A  |   |  |  |  |
| Army cutworm     | PRE        | PRE         | Tigris Bifenthrin LFC can be tank mixed and applied |  |  |  |
| Armyworm species | 3.4 – 6.8  | 0.04 - 0.08 | with PRE herbicides                                 |  |  |  |
| Cutworm species  | PPI        | PPI         | Tigris Bifenthrin LFC can be tank mixed and applied |  |  |  |
| Grape colaspis   | 3.4 - 6.8  | 0.04 - 0.08 | with PPI herbicides. Incorporation of Tigris        |  |  |  |
| Grubs            |            |             | Bifenthrin LFC should not be any deeper than the    |  |  |  |

| Root aphids          | intended planting depth and no deeper than 3       |
|----------------------|--|
| Seed corn beetle     | inches. Incorporation depth should be close to the |
| Seed corn maggot     | intended seed planting depth.                      |
| Wireworms (PPI Only) |  |

| PEST   | US         | E RATES     | DIRECTIONS  |  |
|--|------------|-------------|---|--|
|  | Fluid oz/A | Pound ai/A  |   |  |
| Aphids Beet Armyworm Cabbage Looper Cutworm Flea beetle Grasshoppers Leafminer Saltmarsh caterpillar Spotted Cucumber beetle Thrips Whitefly | 2.8 – 8.5  | 0.033 - 0.1 | Apply using sufficient water to obtain uniform coverage.  Apply with ground equipment using a minimum of 10 gallons of finished spray per acre or a minimum of 2 gallons per acre by aircraft |  |
| Two Spotted Spider Mite  | 6.8 – 8.5  | 0.08 - 0.1  |   |  |

#### **Foliar Restrictions:**

- Do not make applications less than 7 days apart.
- Do not apply within 3 day of harvest.

#### **Cilantro and Coriander Restrictions:**

• Do not apply more than 0.5 lb ai/A per season including at-plant, PPI, PRE and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### **CITRUS (Crop Group 10-10)**

Australian desert lime; Australian finger-lime; Australian round lime; Brown River finger lime; calamondin; citron; citrus hybrids; grapefruit; Japanese summer grapefruit; kumquat; lemon; lime; Mediterranean mandarin; mount white lime; New Guinea wild lime; orange, sour; orange, sweet; pummelo; Russell River lime; satsuma mandarin; sweet lime; tachibana orange; Tahiti lime; tangelo; tangerine (mandarin); tangor; trifoliate orange; uniq fruit; cultivars, varieties, and/or hybrids of these

#### **Use Directions:**

When applied as directed, **Tigris Bifenthrin LFC** will provide control of the following pests listed in the table below. Apply **Tigris Bifenthrin LFC** by ground equipment to bare soil beneath citrus trees. **Tigris Bifenthrin LFC** must be uniformly applied from the trunk to the drip line of tree. Apply in a minimum of 40 gallons of dilute spray per acre. Greater spray volume should insure greater uniformity of coverage. A pre- and post-application irrigation may aid in

the uniformity of coverage as well.

**Tigris Bifenthrin LFC** protects citrus tree roots from Diaprepes and other citrus root weevil feeding by forming a barrier which provides contact activity on newly hatched larvae (neonates). As citrus root weevil eggs hatch in new foliage, neonates fall to the soil surface beneath the tree and come in contact with **Tigris Bifenthrin LFC** as they attempt to burrow into the root zone. Disturbance of the soil beneath trees should be minimized.

Timing of **Tigris Bifenthrin LFC** applications is critical. Current information suggests that peak emergence of adult Diaprepes Weevil varies by citrus growing region and these emergence peaks can be dramatically affected by environmental factors, such as soil moisture. Typically, two peaks are observed for Diaprepes, first in spring then late summer or early fall. Southern Blue- Green and Blue-Green Citrus Weevils and Fuller Rose Beetle typically exhibit a single emergence peak in the spring. Brown and Little Leaf Notchers typically exhibit three emergence peaks, spring, summer and fall. Since emergence varies seasonally and by location, timing of **Tigris Bifenthrin LFC** application can be accurately forecast by observing adults. Adults are most active early morning and late afternoon; numbers can be estimated by trapping throughout spring and summer (emergence periods). Egg laying will occur for 8 to 10 weeks following adult emergence from the soil; larval invasion of the soil will begin 2 to 3 weeks following adult emergence. It is critical to have the **Tigris Bifenthrin LFC** soil barrier in place prior to drop of the neonates.

**Tigris Bifenthrin LFC** is one of several effective tools in an integrated pest management program for Citrus Root Weevils. Application of **Tigris Bifenthrin LFC** should be used in conjunction with good cultural practices, biological control of larvae and foliar control of adults. Consult local university extension personnel for current information to protect citrus trees from Citrus Root Weevils and other pests.

Apply to individual citrus resets, when not in solid planted rows, using hand-gun or shielded sprayer.

Peak emergence of Diaprepes root weevil generally occurs in the spring. Depending on weather conditions, a minor emergence of Diaprepes root weevil may also occur in the fall.

If the citrus grove to be treated is in an area where weather conditions are conducive to primary emergence occurring in the spring, 42.5 fluid ounces formulated product should be used to obtain the longest residual management of Diaprepes root weevil. If the citrus grove to be treated is in an area where weather conditions will promote more than one peak of pest emergence, 21.25 fluid ounces formulated product can be applied early season and 21.25 fluid ounces formulated product can be applied later in the season.

#### BARE SOIL SURFACE UNDER DRIP LINE

| PEST                           | USE RATES   |            | DIRECTIONS                                    |
|--------------------------------|-------------|------------|---|
|                                | Fluid oz/A  | Pound ai/A |   |
| Asian cockroach                | 8.5 - 21.25 | 0.1 - 0.25 | Apply the specified dosage in a minimum of 40 |
| Fire ants (Solenopsis species) | 21.25- 42.5 | 0.25 - 0.5 | gallons of finished spray per acre.           |

#### **Restrictions:**

- Do not allow any application of Tigris Bifenthrin LFC to contact fruit or foliage.
- Do not apply more than a total of 42.5 fluid ounces of formulated product (0.5 pound active ingredient) per acre per year.
- Do not apply by air.

#### **CORN**

Field Corn (Grain and Silage), Popcorn, Field Corn Grown for Seed, Sweet Corn, Sweet Corn Grown for Seed

#### **Use Directions:**

Heavy Corn Rootworm Pressure Management Program: In areas where large corn rootworm populations are present, a multi-approach system may be needed for optimal pest management. However, if the population level is

not known and if a corn rootworm adult scouting program along with threshold adult control measures were not completed during the previous growing season, then utilize a maximum dosage seed treatment program or genetically modified corn rootworm resistant hybrid in addition to **Tigris Bifenthrin LFC**.

#### At-plant

| PEST  | USE RATES  |                                |             |   |  |
|---|------------|--------------------------------|-------------|---|--|
|   | Fluid oz/A | Fluid<br>oz/1000<br>Linear ft. | Pound ai/A  | DIRECTIONS  |  |
| Corn Rootworm<br>larvae (Northern,<br>Southern and<br>Western)  | 6.8 - 17.0 | 0.39 - 0.98                    | 0.08 - 0.2  | Apply as a 5 to 7 inch band (T-band) over an open furrow, or in-furrow with the seed. For Army cutworm, Stalkborer, Cutworm species,  |  |
| Army cutworm Armyworm species Cutworm species Grape colaspis Grubs Root aphids Seed corn beetle Seed corn maggot Stalkborer Sugarcane beetle True armyworm Wireworm | 3.4 - 13.6 | 0.2 - 0.78                     | 0.04 - 0.16 | True armyworm or Armyworm species, apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch band over the open furrow (T-band), in-furrow with the seed, or broadcast to the soil surface. |  |

#### **At-Plant Restrictions:**

- Do not apply more than 0.2 pound active per acre per season as an at-plant application.
- For field corn Do not apply more than 0.3 lb ai/A per season including PPI, at-plant, pre-emergence, and foliar applications of other bifenthrin products (such as Brigade 2EC or Batallion 2 EC).
- For sweet corn Do not apply more than 0.2 lb ai/A total per season including PPI, at-plant, preemergence, and foliar applications of other bifenthrin products (such as Brigade 2EC or Batallion 2 EC).

#### PPI & PRE

| PEST             | USE RATES  |                | DIRECTIONS                                 |
|------------------|------------|----------------|--|
|                  | Fluid oz/A | Pound ai/A     |  |
| Armyworm species | PPI        | PPI            | Tigris Bifenthrin LFC can be tank          |
| Black Cutworm    | 4 to 5.3   | 0.047 to 0.062 | mixed and applied with PPI                 |
| Grape colaspis   |            |                | herbicides. Incorporation of <b>Tigris</b> |
| Seed corn beetle |            |                | Bifenthrin LFC should not be any           |
| Seed corn maggot |            |                | deeper than the intended planting          |
| White Grub       |            |                | depth and no deeper than 3 inches.         |
| Wireworm         |            |                | Incorporation depth should be              |
|                  |            |                | close to the intended seed planting        |
|                  |            |                | depth.                                     |
| Armyworm species | PRE        | PRE            | Tigris Bifenthrin LFC can be tank          |
| Black Cutworm    | 3.4        | 0.04           | mixed and applied with PRE                 |
| Seed corn beetle |            |                | herbicides.                                |
| Stalkborer       |            |                |  |

| PEST                                 | USE R      | ATES       | ADDITION INSTRUCTIONS  |  |
|--------------------------------------|------------|------------|--|--|
|                                      | Fluid oz/A | Pound ai/A | APPLICATION INSTRUCTIONS   |  |
| Aphids                               | 2.8 - 8.5  | 0.033-0.1  | Apply in a minimum of 2-5 gallons of finished spray per acre             |  |
| Army Cutworm                         |            |            | by aircraft or in a minimum of 10 gallons per acre with                  |  |
| Beet Armyworm                        |            |            | ground equipment. To improve control by aircraft, use 5                  |  |
| Cereal Leaf Beetle                   |            |            | gallons of finished spray per acre particularly when initial             |  |
| Chinch Bug                           |            |            | populations are heavier than normal.                                     |  |
| Common Stalk Borer                   |            |            |  |  |
| Corn Earworm <sup>1</sup>            |            |            | When applying by air, 1-2 quarts of emulsified oil may be                |  |
| Corn Rootworm (Adult)                |            |            | substituted for 1-2 quarts of water in the finished spray.               |  |
| Cucumber Beetle (Adults)             |            |            |  |  |
| Cutworm Species                      |            |            | Thorough coverage is essential to achieve control.                       |  |
| European Corn Borer <sup>2</sup>     |            |            |  |  |
| Fall Armyworm                        |            |            | <sup>1</sup> To Control Ear-Attacking Pests: Apply Tigris Bifenthrin LFC |  |
| Flea Beetle                          |            |            | just before silking and repeat as necessary to maintain                  |  |
| Grasshoppers                         |            |            | control.   |  |
| Greenbug                             |            |            |  |  |
| Japanese Beetle (Adult)              |            |            | <sup>2</sup> Southwestern Corn Borer, European Corn Borer: Make          |  |
| Sap Beetle                           |            |            | application for corn borer control with initial application at or        |  |
| Southern Armyworm                    |            |            | shortly before egg hatch.  |  |
| Southern Corn Leaf Beetle            |            |            | For Control Of Other Insect Pests: Apply when pests first                |  |
| Southwestern Corn Borer <sup>2</sup> |            |            | appear and repeat as necessary.  |  |
| Stinkbugs                            |            |            |  |  |
| Tarnished Plant Bug                  |            |            | <sup>3</sup> For Control of Mites: Apply for Banks Grass Mite control    |  |
| True Armyworm                        |            |            | when colonies first form prior to leaf damage or discoloration           |  |
| or                                   |            |            | and before dispersal above the bottom third of the plant.                |  |
| Armyworm Species                     |            |            | For Twospotted Spider Mite and Carmine Mite control,                     |  |
| Webworms                             |            |            | apply when colonies first form prior to leaf damage or                   |  |
| Western Bean Cutworm                 |            |            | discoloration and before widespread mite dispersal                       |  |
| Yellowstriped Armyworm               |            |            | throughout the canopy. Higher rates will be necessary for                |  |
| Banks Grass Mite <sup>3</sup>        | 6.8 - 8.5  | 0.08-0.1   | heavier initial populations and corn under heat or                       |  |
| Carmine Mite <sup>3</sup>            |            |            | drought stress. Field experience with dimethoate at 0.5                  |  |
| Twospotted Spider Mite <sup>3</sup>  |            |            | lb. active per acre in tank mixture has demonstrated                     |  |
|                                      |            |            | good control under these conditions.                                     |  |
|                                      |            |            | For Mite Control In Texas, New Mexico, Oklahoma, and                     |  |
|                                      |            |            | Arizona: Apply in a minimum of 5 gallons of finished                     |  |
|                                      |            |            | spray per acre by aircraft or in a minimum of 10 gallons per             |  |
|                                      |            |            | acre with ground equipment.  |  |

#### **Foliar Restrictions:**

- For field corn
  - o Do not apply within 30 days of harvest for field corn (grain and silage), popcorn, field corn grown for seed.
  - Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application for field corn (grain and silage), popcorn, field corn grown for seed.
- For sweet corn
  - O Do not apply within 1 day of harvest for sweet corn or sweet corn grown for seed.
  - Do not graze livestock in treated areas or cut treated crops for feed within 1 day of the last application for sweet corn or sweet corn grown for seed.
  - Use of ultra low volume (ULV) application on corn is prohibited.
  - Do not make aerial or ground applications to corn if heavy rainfall is imminent.

#### **Corn Restrictions:**

#### • For field corn

 Do not apply more than 0.3 lb ai/A total per season including ppi, at-plant, pre-emergence, and foliar applications of Tigris Bifenthrin LFC and other bifenthrin products.

#### • For sweet corn

o Do not apply more than 0.2 lb ai/A total per season including ppi, at-plant, pre-emergence, and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin products.

#### **COTTON**

#### At-plant

| PEST   | USE RATES  |                                |            |   |  |  |
|--|------------|--------------------------------|------------|---|--|--|
|  | Fluid oz/A | Fluid<br>oz/1000<br>Linear ft. | Pound ai/A | DIRECTIONS  |  |  |
| Cutworm spp White Grub Wireworm Grape colaspis Root Maggot Seedcorn Maggot | 1.7 – 8.5  | 0.1 – 0.5                      | 0.02 – 0.1 | Apply as a 5 to 7 inch band (T-band) over an open furrow, or in-furrow with the seed. |  |  |

#### PPI & PRE

| PEST            | USE RATES  |            | DIRECTIONS                                 |
|-----------------|------------|------------|--|
|                 | Fluid oz/A | Pound ai/A |  |
| Cutworm species | PRE        | PRE        |  |
|                 | 3.4-8.5    | 0.04 - 0.1 |  |
| Cutworm species | PPI        | PPI        | Tigris Bifenthrin LFC can be tank          |
| White Grub      | 3.4 - 8.5  | 0.04 - 0.1 | mixed and applied with PPI                 |
| Wireworm        |            |            | herbicides. Incorporation of <b>Tigris</b> |
| Grape colaspis  |            |            | Bifenthrin LFC should not be any           |
| Root maggot     |            |            | deeper than the intended planting          |
| Seedcorn maggot |            |            | depth and no deeper than 3 inches.         |
|                 |            |            | Incorporation depth should be              |
|                 |            |            | close to the intended seed planting        |
|                 |            |            | depth.                                     |

| PEST  | US         | E RATES    | DIRECTIONS   |  |
|---|------------|------------|--|--|
|   | Fluid oz/A | Pound ai/A |  |  |
| European Corn Borer<br>Soybean (Banded) Thrips<br>Tobacco Thrips  | 1.7 – 8.5  | 0.02 - 0.1 | Apply as needed using sufficient water to obtain uniform coverage. Apply with ground equipment using a minimum of 5 gallons of finished spray per acre or a minimum of 1 gallon per acre by aircraft.  Tigris Bifenthrin LFC may be applied in water or refined vegetable oil (soybean/cottonseed).  Application in Water: Apply in a minimum of 5 gallons per acre with ground equipment or 1 gallon per acre by aircraft. When applying by air, 1 quart of emulsified oil may be substituted for one quart of water in the finished spray.  ULV Application: Apply the recommended rate of Tigris Bifenthrin LFC in refined vegetable oil in a |  |
| Boll Weevil <sup>1</sup> Bollworm Cabbage Looper Cotton Aphid <sup>2</sup> Cotton Fleahopper Cotton Leafperforator Cutworms Fall Armyworm Plant Bugs Saltmarsh Caterpillar Southern Garden Leafhopper Stink Bugs Tobacco Budworm Whitefly Yellow Striped Armyworm | 3.4 – 8.5  | 0.04 - 0.1 | minimum of 1 quart of finished spray per acre with aircraft calibrated to give adequate coverage. <sup>1</sup> Boll Weevil: Apply Tigris Bifenthrin LFC at an interval of 3 to 4 days until pest numbers are reduced to acceptable levels. <sup>2</sup> Aphids and Mites: Apply when pests first appear. Repeat as necessary to maintain control. Higher rates will be required once a damaging threshold is established.  |  |
| Beet Armyworm Carmine Spider Mite <sup>2</sup> Lygus species Pink Bollworm Twospotted Spider Mite <sup>2</sup>  | 5.1 – 8.5  | 0.06 - 0.1 |  |  |

#### **Foliar Restrictions:**

- Do not apply within 14 days of harvest.
- Do not graze livestock in treated areas or cut treated crops for feed.

#### **Cotton Restrictions:**

• Do not apply more than 0.5 lb ai/A per season including at-plant, PRE, PPI, and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products in all states except in California.

- For California do not apply more than 0.3 pounds active per acre per season.
- Do not make more than 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop in one growing season. Synthetic pyrethroid products include but are not limited to Ambush®, Ammo®, Asana® XL, Baythroid®, Baythroid XL®, Brigade® or Batallion™ 2 EC, Capture®, Danitol®, Declare ®, Discipline®, Fanfare®, Karate® or Serpent™ 1 EC, and Mustang®.

#### **CUCURBITS (Crop Group 9)**

Chayote (fruit), Chinese waxgourd (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Gourd, edible *Lagenaria* species (includes hyotan, cucuzza), *Luffa* species (includes hechima, Chinese okra), *Momordica* species (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), Muskmelon (hybrids and/or cultivars of Cucumis melo) (includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), Pumpkin (Cucurbita species), Squash, summer (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), Squash, winter (includes butternut squash, calabaza, hubbard squash (*C. mixta*; *C. pepo*) includes acorn squash, spaghetti squash), Watermelon (includes hybrids and/or varieties of Citrullus species).

#### At-plant

| PEST  | USE RATES  |                                |             |   |  |
|---|------------|--------------------------------|-------------|---|--|
|   | Fluid oz/A | Fluid<br>oz/1000<br>Linear ft. | Pound ai/A  | DIRECTIONS  |  |
| Cucumber beetle larvae  | 6.8 – 8.5  | 0.39 – 0.49                    | 0.08 - 0.1  | Apply as a 5 to 7 inch band (T-band) over an open furrow, or in-furrow  |  |
| Army cutworm Armyworm species Cutworm species Flea beetle larvae Grubs True Armyworm Wireworm True armyworm | 3.4 – 6.8  | 0.2 – 0.39                     | 0.04 – 0.08 | with the seed. May be applied through transplant water at time of transplanting.  To control cucumber beetle larvae, apply as a 5 to 7 inch band over an open furrow (T-band), or in-furrow with the seed.  To control wireworm, grubs, and flea beetle larvae, apply as a 5 to 7 inch band over an open furrow (T-band), or in-furrow with the seed or transplant To control army cutworm, cutworm species, true armyworm and armyworm species, apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch band over the open furrow (T-band), in-furrow with the seed, broadcast to the soil surface or banded over the row. |  |

#### **At Plant Restrictions:**

• Do not apply more than 0.1 lb ai/A per season as an at-plant application

#### PPI & PRE

| PEST               | USE RATES  |            | DIRECTIONS                           |
|--------------------|------------|------------|--------------------------------------|
|                    | Fluid oz/A | Pound ai/A |                                      |
| Seed Corn Maggot   | PRE        | PRE        | Tigris Bifenthrin LFC can be tank    |
| Wireworms          | 6.8 – 8.5  | 0.08 - 0.1 | mixed and applied with PRE           |
| Army cutworm       |            |            | pesticides. Apply through drip of    |
| Armyworm species   |            |            | drip tape. Apply when soil is moist  |
| Cutworm species    |            |            | towards the end of the irrigation    |
| Flea beetle larvae |            |            | run.                                 |
| Grubs              | PPI        | PPI        | Tigris Bifenthrin LFC can be tank    |
| True Armyworm      | 6.8 – 8.5  | 0.08 - 0.1 | mixed and applied with PPI labeled   |
| True armyworm      |            |            | pesticides.                          |
|                    |            |            | Incorporation of Tigris Bifenthrin   |
|                    |            |            | LFC should not be any deeper than    |
|                    |            |            | the intended planting depth.         |
|                    |            |            | Incorporation depth should be close  |
|                    |            |            | to the intended depth                |
|                    |            |            | Apply through drip or Drip tape.     |
|                    |            |            | Apply when soil is moist towards the |
|                    |            |            | end of the irrigation run.           |

#### Foliar

| PEST  | USE RATES  |            | DIRECTIONS   |
|---|------------|------------|--|
|   | Fluid oz/A | Pound ai/A |  |
| Aphids Armyworms Cabbage Looper Corn Earworm Cucumber beetles Cutworms Grasshopper Leafhoppers Melonworm Pickleworm Plant Bug Rindworm Squash Bugs Squash Vine Borer Stink Bugs Tobacco Budworm | 3.4 – 8.5  | 0.04 - 0.1 | Thorough coverage is necessary to attain acceptable control. Make application at the onset of infestation reaching locally determined economic thresholds  Apply in a minimum of 5 gallons of finished spray per acre by air or in a minimum of 20 gallons per acre with ground equipment When applying by air 1 2 quarts of emulsified oil may be substituted for 1 – 2 quarts of water in the finished spray Thorough coverage is essential to achieve control |
| Carmine Mite Lygus species Mite Twospotted Spider Mite Whitefly   | 6.8 – 8.5  | 0.08 - 0.1 |  |

#### **Foliar Restrictions:**

- Do not make more than two applications after bloom.
- Do not make applications less than 7 days apart
- Do not apply within 3 days of harvest

#### **Cucurbits (Crop Group 9) Restrictions:**

• Do not apply more than 0.3 lb ai/A per season including At-plant, PRE & PPI, and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### DRIED BEANS AND PEAS (Crop Subgroup 6C)

Dried cultivars of: Bean (Lupinus); Bean (Phaseolus), Field bean, Kidney bean, Lima bean (dry), Navy bean, Pinto bean, Tepary bean; Bean (Vigna), Adzuki bean, Blackeyed pea, Catjang, Cowpea, Crowder pea, Moth bean, Mung bean, Rice bean, Southern pea, Urd bean; Broad bean (dry), Chickpea, Guar, Lablab bean, Lentil; Pea (Piscum), Field pea, Pigeon pea

#### At-Plant

| PEST             | USE RATES  |               |              | DIRECTIONS                            |
|------------------|------------|---------------|--------------|---------------------------------------|
|                  | Fluid oz/A | Fluid oz/1000 | Pound ai/A   |                                       |
|                  |            | Linear ft.    |              |                                       |
| Corn rootworm    | 6.8 to 8.5 | 0.39 to 0.49  | 0.08 to 0.1  | Apply as a 5 to 7 inch band over the  |
| larvae           |            |               |              | row on the soil surface, 5 to 7 inch  |
| Army cutworm     | 3.4 to 6.8 | 0.2 to 0.39   | 0.04 to 0.08 | band (T-band) over an open furrow, or |
| Armyworm species |            |               |              | in-furrow with the seed. Apply        |
| Cutworm species  |            |               |              | broadcast to the soil surface for     |
| Grape colaspis   |            |               |              | control of Army cutworm, Cutworm      |
| Grubs            |            |               |              | species, True armyworm, or            |
| Root maggot      |            |               |              | Armyworm species.                     |
| True armyworm    |            |               |              |                                       |
| Wireworm         |            |               |              |                                       |

#### **At- Plant Restrictions:**

• Do not apply more than 0.1 lb ai/A per season as an at-plant application.

#### PPI & PRE

| PEST                | USE RATES  |            | DIRECTIONS                          |
|---------------------|------------|------------|-------------------------------------|
|                     | Fluid oz/A | Pound ai/A |                                     |
| Army cutworm        | PRE        | PRE        | Tigris Bifenthrin LFC can be tank   |
| Armyworm species    | 6.8 – 8.5  | 0.08 - 0.1 | mixed and applied with PRE          |
| Cutworm species     |            |            | herbicides. Apply in a minimum of   |
| Grape colaspis      |            |            | 10 gallons per acre.                |
| Grubs               | PPI        | PPI        | Tigris Bifenthrin LFC can be tank   |
| Root maggot         | 6.8 – 8.5  | 0.08 - 0.1 | mixed and applied with PPI          |
| True armyworm       |            |            | herbicides.                         |
| Wireworm (PPI only) |            |            | Incorporation of Tigris Bifenthrin  |
|                     |            |            | LFC should not be any deeper than   |
|                     |            |            | the intended planting depth and no  |
|                     |            |            | deeper than 3 inches.               |
|                     |            |            | Incorporation depth should be       |
|                     |            |            | close to the intended seed planting |
|                     |            |            | depth. Apply in a minimum of 10     |
|                     |            |            | gallons per acre.                   |

| PEST                    | US         | E RATES     | DIRECTIONS   |
|-------------------------|------------|-------------|--|
| ļ                       | Fluid oz/A | Pound ai/A  |  |
| Aster Leafhopper        |            |             | Apply in a minimum of 2 gallons finished spray per |
| Flea Beetle             | 2.1 – 8.5  | 0.025 - 0.1 | acre by air or in a minimum of 10 gallons per acre |
| Grasshoppers            | 2.1 0.0    | 0.023 0.1   | with ground equipment. Thorough coverage is        |
| Leafhoppers             |            |             | essential to achieve control.                      |
| Alfalfa Caterpillar     |            |             |  |
| Aphids                  |            |             | When applying by air 1-2 quarts of emulsified oil  |
| Bean Leaf Beetle        |            |             | may be substituted for 1-2 quarts of water in the  |
| Beet Armyworm           |            |             | finished spray. Thorough coverage is essential to  |
| Cloverworm              |            |             | achieve control                                    |
| Corn Earworm            |            |             |  |
| Corn Rootworm (Adult)   |            |             |  |
| Cucumber Beetles        |            |             |  |
| Cutworms                |            |             |  |
| European Corn Borer     |            |             |  |
| Fall Armyworm           |            |             |  |
| Grasshoppers            |            |             |  |
| Imported cabbageworm    |            |             |  |
| Japanese beetle (Adult) |            |             |  |
| Leafminer               |            |             |  |
| Loopers                 | 2.8 – 8.5  | 0.033 - 0.1 |  |
| Mexican Bean Beetle     | 2.0 0.5    | 0.033 0.1   |  |
| Pea Leaf Weevil         |            |             |  |
| Pea Weevil              |            |             |  |
| Plant Bug               |            |             |  |
| Saltmarsh caterpillar   |            |             |  |
| Sap Beetle              |            |             |  |
| Southern Armyworm       |            |             |  |
| Stink Bugs              |            |             |  |
| Tarnished Plant Bug     |            |             |  |
| Thrips                  |            |             |  |
| Twospotted Spider Mite  |            |             |  |
| Tobacco budworm         |            |             |  |
| Webworms                |            |             |  |
| Western Bean Cutworm    |            |             |  |
| Whitefly                |            |             |  |
| Yellowstriped Armyworm  |            |             |  |
| Banks Grass Mite        |            |             |  |
| Carmine Mite            | 6.8 - 8.5  | 0.08 - 0.1  |  |
| Lygus Species           | I          |             | 1  |

#### **Foliar Restrictions:**

- Do not apply within 14 days of harvest
- Do not make applications less than 7 days apart

#### **Dried Beans and Peas (Crop Subgroup 6C) Restrictions:**

• ② Do not apply more than 0.2 lb ai/A to peas, or 0.3lb ai/A to beans per season including At-Plant, PRE & PPI, and Foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### **EGGPLANT**

#### At-Plant

| PEST   |               | USE RATES                      |              | DIRECTIONS   |
|--|---------------|--------------------------------|--------------|--|
|  | Fluid<br>oz/A | Fluid<br>oz/1000<br>Linear ft. | Pound ai/A   |  |
| Army cutworm Armyworm species Cutworm species Grubs Root maggot True armyworm Wireworm | 3.4 to 6.8    | 0.2 to 0.39                    | 0.04 to 0.08 | Apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch band over the open furrow (T-band), or in-furrow with the transplant or seed. Apply broadcast to the soil surface for control of Army Cutworm, Cutworm species, True Armyworm or Armyworm species. |

#### At-Plant Restrictions:

• Do not apply more than 0.1 lb ai/A per season as an at-plant application.

#### PPI & PRE

| PEST             | USI        | E RATES    | DIRECTIONS                          |
|------------------|------------|------------|-------------------------------------|
|                  | Fluid oz/A | Pound ai/A |                                     |
| Army cutworm     | PRE        | PRE        | Tigris Bifenthrin LFC can be tank   |
| Armyworm species | 8.5        | 0.1        | mixed and applied with PRE          |
| Cutworm species  |            |            | pesticides                          |
| Grubs            |            |            | Post Plant Soil Applied: Apply      |
| Root maggot      |            |            | through drip or Drip tape. Apply    |
| True armyworm    |            |            | when soil is moist towards the end  |
| Wireworm         |            |            | of the irrigation run.              |
|                  | PPI        | PPI        | Tigris Bifenthrin LFC can be tank   |
|                  | 3.4 - 8.5  | 0.04 - 0.1 | mixed and applied with PPI labeled  |
|                  |            |            | pesticides.                         |
|                  |            |            | Incorporation of Tigris Bifenthrin  |
|                  |            |            | LFC should not be any deeper than   |
|                  |            |            | the intended                        |
|                  |            |            | planting depth. Incorporation depth |
|                  |            |            | should be close to the intended     |
|                  |            |            | depth.                              |
|                  |            |            | Post Plant Soil Applied: Apply      |
|                  |            |            | through drip or Drip tape. Apply    |
|                  |            |            | when soil is moist towards the end  |
|                  |            |            | of the irrigation run.              |

#### Foliar

| PEST                   | USE RATES  |             | DIRECTIONS                                       |
|------------------------|------------|-------------|--|
|                        | Fluid oz/A | Pound ai/A  |  |
| Armyworms              |            |             | Thorough coverage is necessary to attain         |
| (Including Beet)       |            |             | acceptable control. Make application at the      |
| Armyworm Fall          |            |             | onset of infestation reaching locally determined |
| Armyworm Southern      | 2.8 – 8.5  | 0.033 - 0.1 | economic thresholds.                             |
| Cabbage Looper         |            |             |  |
| Colorado Potato Beetle |            |             | Apply in a minimum of 2 gallons of finished      |
| Corn Earworm           |            |             |  |

| Cucumber Beetle        |           |            | spray per acre by air or in a minimum of 10 gallons |
|------------------------|-----------|------------|---|
| Cutworms               |           |            | per acre with ground equipment.                     |
| European Corn Borer    |           |            |   |
| Flea Beetle            |           |            | When applying by air, 1-2 quarts of emulsified oil  |
| Leafminers             |           |            | may be substituted for 1-2 quarts of water in the   |
| Loopers                |           |            | finished spray.                                     |
| Pepper weevil          |           |            |   |
| Plant Bug              |           |            | Thorough coverage is essential to achieve           |
| Stink Bug              |           |            | control.  |
| Thrips                 |           |            |   |
| Tomato Hornworm        |           |            |   |
| Tomato Pinworm         |           |            |   |
| Vegetable Leafminer    |           |            |   |
| Whitefly               |           |            |   |
| Yellowstriped Armyworm |           |            |   |
| Banks Grass Mite       |           |            |   |
| Broad Mite             |           |            |   |
| Carmine Mite           | 6.8 - 8.5 | 0.08 - 0.1 |   |
| Lygus species          | 0.0 0.5   | 0.00 0.1   |   |
| Pacific Spider Mite    |           |            |   |
| Twospotted Spider Mite | l         |            |   |
| Egliar Postrictions:   |           |            |   |

#### **Foliar Restrictions:**

- Do not apply within 14 days of harvest
- Do not make applications less than 7 days apart

#### **Eggplant Restrictions:**

• Do not apply more than 0.2 lb ai/A per season including At-Plant, PRE & PPI, and Foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### **GRAPES**

#### At-Plant

| PEST               | USE RATES  |            | DIRECTIONS                          |
|--------------------|------------|------------|-------------------------------------|
|                    | Fluid oz/A | Pound ai/A |                                     |
| Grape Phylloxera   |            |            | Apply at time of planting over an   |
| (suppression only) | 8.5        | 0.1        | open furrow in sufficient water for |
| White Grubs        |            |            | planting. May be applied through    |
| Wireworms          |            |            | transplant water at time of         |
|                    |            |            | transplanting.                      |

#### **PPI (Site Preparation) & PRE**

| PEST               | USE RATES  |            | DIRECTIONS                         |
|--------------------|------------|------------|------------------------------------|
|                    | Fluid oz/A | Pound ai/A |                                    |
| Vine Mealybug      | PRE        | PRE        | Tigris Bifenthrin LFC can be tank  |
| Grape Phylloxera   | 8.5        | 0.1        | mixed and applied with PRE         |
| (suppression only) |            |            | pesticides.                        |
|                    |            |            | Post Plant Soil Applied: Apply     |
|                    |            |            | through drip or Drop Tape. Apply   |
|                    |            |            | when soil is moist towards the end |
|                    |            |            | of the irrigations run.            |

| PPI | PPI | Tigris Bifenthrin LFC can be tank           |
|-----|-----|---|
| 8.5 | 0.1 | mixed and applied with PPI                  |
|     |     | pesticide labeled for site                  |
|     |     | preparation. Incorporation of <b>Tigris</b> |
|     |     | Bifenthrin LFC should not be any            |
|     |     | deeper than the intended planting           |
|     |     | depth. Incorporation depth should           |
|     |     | be close to the intended depth.             |
|     |     | Post Plant Soil Applied: Apply              |
|     |     | through drip or Drop Tape. Apply            |
|     |     | when soil is moist towards the end          |
|     |     | of the irrigations run.                     |

| PEST  | USE        | RATES      | DIRECTIONS   |  |
|---|------------|------------|--|--|
|   | Fluid oz/A | Pound ai/A |  |  |
| Cutworms Eastern Grape Leafhopper Grape Berry Moth Japanese Beetles (Adults) Lady Beetle (Scymnus spp.) Variegated Leafhopper Western Grape Leafhopper Grapevine root borer | 4.3 – 8.5  | 0.05 - 0.1 | Thorough coverage is necessary to attain acceptable control. Make application at the onset of infestation reaching locally determined economic thresholds.  Apply in a minimum of 10 gallons of finished spray by air or in a minimum of 25 gallons of finished spray with ground equipment.  When applying by air, 1 to 2 quarts of emulsified oi |  |
| Black Vine Weevil<br>Glassywinged<br>Sharpshooter<br>Twospotted Spider Mite   | 8.5        | 0.1        | may be substituted for 1 to 2 quarts of water in the finished spray.  When pest pressure is moderate to severe, use higher rate.   |  |

# Do not apply within 30 days of harvest. Grape Restrictions:

• Do not apply more than 0.10 lb ai per acre per season including at-plant, PPI, PRE and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### **HEAD LETTUCE**

#### **At-Plant**

| PEST               |            | USE RATES     |              | DIRECTIONS                              |
|--------------------|------------|---------------|--------------|---|
|                    | Fluid oz/A | Fluid oz/1000 | Pound ai/A   |   |
|                    |            | Linear ft.    |              |   |
| Rootworm larvae    | 6.8 to 8.5 | 0.39 to 0.49  | 0.08 to 0.1  | Apply as a 5 to 7 inch band over the    |
| Army cutworm       | 3.4 to 6.8 | 0.2 to 0.39   | 0.04 to 0.08 | row on the soil surface, a 5 to 7 inch  |
| Armyworm species   |            |               |              | band over the open furrow (T-band),     |
| Bulb mites         |            |               |              | or in-furrow with the seed.             |
| Cutworm species    |            |               |              | Apply broadcast to the soil surface for |
| Grubs              |            |               |              | control of Army cutworm, Cutworm        |
| Lettuce root aphid |            |               |              | species, True armyworm, armyworm        |
| Root maggot        |            |               |              | species, or bulb mites.                 |

| True armyworm          |  |  |
|------------------------|--|--|
| Wireworm               |  |  |
| At-Plant Restrictions: |  |  |

• Do not apply more than 0.1 lb ai/A per season as an at-plant application.

#### PPI

| PEST               | USE RATES  |            |  |
|--------------------|------------|------------|--|
|                    | Fluid oz/A | Pound ai/A |  |
| Lettuce Root Aphid |            |            |  |
| Garden Symphians   | 6.8-8.5    | 0.08 - 0.1 |  |
|                    |            |            |  |
|                    |            |            |  |
|                    |            |            |  |

#### **Foliar**

| PEST   | US         | E RATES     | DIRECTIONS  |
|--|------------|-------------|---|
|  | Fluid oz/A | Pound ai/A  |   |
| Aphids Armyworms Corn earworm Cucumber Beetles Cutworms Diamondback Moth Flea Beetles Imported Cabbageworm Leafhoppers Loopers Salt Marsh Caterpillar Stink Bug species Tobacco Budworm Whitefly | 2.8 – 8.5  | 0.033 – 0.1 | Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray.  Thorough coverage is essential to achieve control. |
| Carmine Mite Lygus Species Twospotted Spider Mite  | 6.8 – 8.5  | 0.08 - 0.1  |   |

#### **Foliar Restrictions:**

- Do not make applications less than 7 days apart.
- Do not apply within 7 days of harvest.

#### **Head Lettuce Restrictions:**

• Do not apply more than 0.5 lb ai per acre per season including at-plant, PPI, PRE and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### **HOPS**

#### At-Plant

| PEST              |            |            | DIRECTIONS  |
|-------------------|------------|------------|---|
|                   | Fluid oz/A | Pound ai/A |   |
| Grape colaspis    | 5.1 – 8.5  | 0.06 - 0.1 | Apply in a T-band that ensures coverage of the entire |
| Rootworms         |            |            | furrow, immediately prior to planting, or at planting |
| Sweet potato flea |            |            | May also be applied as a soil drench with transplant  |
| beetle            |            |            | water at time of transplanting.                       |
| White grub        |            |            |   |
| Wireworm          |            |            | Apply in a minimum of 10 gallons per acre of spray.   |

#### Lay-By

| PEST   |            |            | DIRECTIONS   |
|--|------------|------------|--|
|  | Fluid oz/A | Pound ai/A |  |
| Grape colaspis<br>Rootworms<br>Wireworms<br>White grub | 5.1 – 8.5  | 0.06 - 0.1 | Apply <b>Tigris Bifenthrin LFC</b> to the transplant area and incorporate with cultivation equipment set to throw soil towards the hill. |
|  |            |            | Apply in a minimum of 10 gallons per acre of spray.  |

#### PPI

| PEST                   |            |            | DIRECTIONS   |
|------------------------|------------|------------|--|
|                        | Fluid oz/A | Pound ai/A |  |
| Grape colaspis         | PPI        | PPI        | Apply Tigris Bifenthrin LFC to the transplant area and |
| Rootworms<br>Wireworms | 5.1 – 8.5  | 0.06 - 0.1 | incorporate to planting depth.                         |
| White grub             |            |            | Apply in a minimum of 10 gallons per acre of spray.    |
|                        |            |            | May be applied as a broadcast application or an        |
|                        |            |            | incorporated band application                          |

#### **PRE & Post Plant Soil Applied**

| PEST           |            |            | DIRECTIONS  |
|----------------|------------|------------|---|
|                | Fluid oz/A | Pound ai/A |   |
| Grape colaspis | PRE        | PRE        | Apply through drip or Drip tape. Apply when soil is |
| Rootworms      | 5.1 – 8.5  | 0.06 - 0.1 | moist towards the end of the irrigation run.        |
| Wireworms      |            |            |   |
| White grub     |            |            |   |

#### **Foliar**

| PEST         | USI        | RATES      | DIRECTIONS  |
|--------------|------------|------------|---|
|              | Fluid oz/A | Pound ai/A |   |
| Aphids       |            |            | Application by ground: For best results, full       |
| Armyworms    |            |            | coverage is essential. Early season recommend 100   |
| Cutworms     | 5.1 – 8.5  | 0.06 - 0.1 | – 150 gallons of spray per acre. Late season        |
| Leafrollers  |            |            | recommend 200 – 250 gallons of spray per acre.      |
| Loopers      |            |            | For Root Weevil control, make a directed spray to   |
| Root Weevils |            |            | the base of the plant. Spray up the vine 3 feet and |
|              | 4.3 – 8.5  | 0.05 - 0.1 |   |
| Root Weevils | 4.3 – 8.5  | 0.05 - 0.1 | the base of the plant. Spray up the vine 3 fe       |

| Twospotted spider mite | 8.5 | 0.1 | the soil surface 1.5 to 2 feet on either side of the plant.  Application by air for late season control of twospotted spider mites: Apply no less than 6.4 oz (0.1 lb ai) per application in a minimum of 10 |
|------------------------|-----|-----|--|
|                        |     |     | gallons per acre.  |

#### **Foliar Restrictions:**

- Do not exceed 0.1 lb ai per acre per foliar application.
- Do not make applications less than 21 days apart
- Do not apply witin 14 days of harvest.

#### **Hops Restrictions:**

- Do not exceed 0.3 lb ai per acre per season including at-plant, PRE, PPI, Layby and foliar application of **Tigris Bifenthrin LFC** and other bifenthrin containing products.
- Use of ultra low volume (ULV) application on hops is prohibited.

#### **LEAFY BRASSICAS (Crop Subgroup 5 B), TURNIP GREENS**

Broccoli Raab, Bok Choy, Collards, Kale, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens, Turnip Greens

#### At-Plant

| PEST               | USE RATES  |               |             | DIRECTIONS                            |
|--------------------|------------|---------------|-------------|---------------------------------------|
|                    | Fluid      | Fluid oz/1000 | Pound ai/A  |                                       |
|                    | oz/A       | Linear ft.    |             |                                       |
| Rootworm larvae    | 6.8 to 8.5 | 0.39 to 0.49  | 0.08 to 0.1 | Apply as a 5-7 inch band over the row |
| Wireworm           | 3.4 to 6.8 | 0.2 to 0.39   | 0.04 to     | on the soil surface, a 5-7 inch band  |
| Grubs              |            |               | 0.08        | over the open furrow (T-band), or in- |
| Root maggot        |            |               |             | furrow with the seed or transplant.   |
| Lettuce root aphid |            |               |             | May be applied through transplant     |
| Army cutworm       |            |               |             | water at time of transplanting.       |
| Cutworm spp.       |            |               |             | Apply broadcast over the soil surface |
| True armyworm      |            |               |             | for control of Army cutworm, Cutworm  |
| Armyworm spp.      |            |               |             | species, True armyworm or armyworm    |
|                    |            |               |             | species.                              |

#### **At- Plant Restrictions:**

• Do not apply more than 0.1 lb ai/A per season as an at-plant application.

#### PPI & PRE

| PEST               |            |             | DIRECTIONS   |
|--------------------|------------|-------------|--|
|                    | Fluid oz/A | Pound ai/A  |  |
| Lettuce root aphid | PRE        | PRE         | Tigris Bifenthrin LFC can be tank mixed and applied    |
| Root Maggots       | 3.4 – 6.8  | 0.04 - 0.08 | with PRE pesticides. Post Plant Soil Applied: Apply    |
| Wireworms          |            |             | through drip or drip tape. Apply when soil is moist    |
| Army cutworm       |            |             | towards the end of the irrigation run.                 |
| Armyworm species   |            |             |  |
| Cutworm species    | PPI        | PPI         | Tigris Bifenthrin LFC can be tank mixed and applied    |
| Flea beetle larvae | 3.4 – 6.8  | 0.04 - 0.08 | with PPI labeled pesticides. Incorporation of Tigris   |
| Grubs              |            |             | Bifenthrin LFC should not be any deeper than the       |
| True Armyworm      |            |             | intended planting depth. Incorporation depth should be |
| True armyworm      |            |             | close to the intended depth.                           |

|  | Post Plant Soil Applied: Apply through drip or drip tape. Apply when soil is moist towards the end of irrigation run. |
|--|---|
|--|---|

| PEST   | USE        | RATES       | DIRECTIONS   |
|--|------------|-------------|--|
|  | Fluid oz/A | Pound ai/A  |  |
| Aphids Armyworms Corn Earworm Cutworms Crickets Cucumber Beetles Diamondback Moth Flea Beetles Grasshoppers Ground Beetles Imported Cabbageworm Japanese Beetle (adult) Leafhoppers Loopers Saltmarsh Caterpillar Stink Bugs Tobacco Budworm Thrips Whitefly Wireworm (adults) | 2.8 – 8.5  | 0.033 - 0.1 | Thorough coverage is necessary to attain acceptable control. Make application at the onset of infestation reaching locally determined economic thresholds.  Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. |
| Banks Grass Mite Carmine Mite Lygus species Pacific Spider Mite Twospotted Spider Mite   | 6.8 - 8.5  | 0.08 - 0.1  |  |

#### **Foliar Restrictions:**

- Do not make applications less than 7 days apart
- Do not apply witin 7 days of harvest.

#### Leafy Brassica (Crop Subgroup 5B) and Turnip Greens Restrictions:

Do not apply more than 0.4 lb ai/A per season including at-plant, PPI, PRE, and foliar applications of Tigris
 Bifenthrin LFC and other bifenthrin containing products.

#### **LEAFY PETIOLE VEGETABLES (Crop Subgroup 4B))**

Celery, Cardoon, Chinese celery, Celtuce, Florence fennel, Rhubarb, Swiss chard

#### At-Plant

| PEST   | USE RATES  |            | DIRECTIONS  |
|--|------------|------------|---|
|  | Fluid oz/A | Pound ai/A |   |
| Lettuce Root Aphid<br>Garden Symphlans<br>Cutworm spp. | 3.4 – 8.5  | 0.04 - 0.1 | Apply as a 5 to 7 inch band (T-band) over an open furrow, or in-furrow with the seed. May be applied through transplant water at time of transplanting. |

#### PPI & PRE

| PEST               | USE        | RATES      | DIRECTIONS  |
|--------------------|------------|------------|---|
|                    | Fluid oz/A | Pound ai/A |   |
| Army cutworm       | PRE        | PRE        | Tigris Bifenthrin LFC can be tank mixed and applied             |
| Armyworm species   | 3.4 – 8.5  | 0.04 - 0.1 | with labeled PRE pesticides.                                    |
| Cutworm species    |            |            |   |
| Flea beetle larvae |            |            |   |
| Grubs              |            |            |   |
| True Armyworm      | PPI        | PPI        | Tigris Bifenthrin LFC can be tank mixed and applied             |
| Wireworm           | 8.5        | 0.1        | with PPI labeled pesticides.                                    |
| True armyworm      |            |            |   |
|                    |            |            | Incorporation of <b>Tigris Bifenthrin LFC</b> should not be any |
|                    |            |            | deeper than the intended planting depth. Incorporation          |
|                    |            |            | depth should be close to the intended depth.                    |

#### **Foliar**

| PEST  | USE        | RATES      | DIRECTIONS   |
|---|------------|------------|--|
|   | Fluid oz/A | Pound ai/A |  |
| Aphids Armyworms Corn Earworm Crickets Cucumber Beetles Cutworms Diamondback Moth Flea Beetles Ground Beetles Imported Cabbageworm Leafhoppers Loopers Saltmarsh Caterpillar Stink Bugs Thrips Tobacco Budworm Whitefly Wireworm (adults) | 3.4 – 8.5  | 0.04 - 0.1 | Thorough coverage is necessary to attain acceptable control. Make application at the onset of infestation reaching locally determined economic thresholds. Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons of finished spray per acre with ground equipment. When applying by air, 1 to 2 quarts of emulsified oil may be substituted for 1 to 2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. |
| Banks Grass Mite Carmine Mite Lygus species   | 6.8 - 8.5  | 0.08 - 0.1 |  |

| Pacific Spider Mite<br>Twospotted Spider Mite |                  |                      |    |  |
|---|------------------|----------------------|----|--|
| Foliar Restrictions:  • Do not ma             | ake applications | less than 7 days apa | rt |  |

Do not apply witin 7 days of harvest.

#### **Leafy Petiole Restrictions:**

Do not apply more than 0.5 lb. active ingredient per acre per season including at-plant, PPI, PRE and foliar applications of Tigris Bifenthrin LFC and other bifenthrin containing products.

#### **MAYHAW**

#### PPI & PRE

| PEST       | USE        | RATES      | DIRECTIONS   |
|------------|------------|------------|--|
|            | Fluid oz/A | Pound ai/A |  |
| White Grub | PRE        | PRE        | Tigris Bifenthrin LFC can be tank mixed and applied      |
| Wireworm   | 8.5        | 0.1        | with labeled PRE pesticides.                             |
|            |            |            |  |
|            |            |            |  |
|            | PPI        | PPI        | Tigris Bifenthrin LFC can be tank mixed and applied      |
|            | 8.5        | 0.1        | with PPI pesticides labeled for site preparation.        |
|            |            |            | Incorporation of Tigris Bifenthrin LFC should not be any |
|            |            |            | deeper than the intended planting depth. Incorporation   |
|            |            |            | depth should be close to the intended depth.             |

#### Foliar

| PEST          | USE RATES  |            | DIRECTIONS  |
|---------------|------------|------------|---|
|               | Fluid oz/A | Pound ai/A |   |
| Plum Curculio | 6.8 – 8.5  | 0.08 - 0.1 | Apply foliar treatments in at least 28 gallons per acre |

#### **Foliar Restrictions:**

- Apply no more than once every 7 days.
- Do not apply within 30 days of harvest

#### **Mayhaw Restrictions:**

Do not apply more than 0.2 lb ai per acre per season including at-plant, PRE, PPI and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### OKRA

#### At- Plant

| PEST               |            | USE RATES     |            | DIRECTIONS                             |
|--------------------|------------|---------------|------------|--|
|                    | Fluid      | Fluid oz/1000 | Pound ai/A |  |
|                    | oz/A       | Linear ft.    |            |  |
| Armyworm           | 3.4 to 6.8 | 0.2 to 0.39   | 0.04 to    | Apply as a 5 to 7 inch band over the   |
| Cutworm spp        |            |               | 0.08       | row on the soil surface, a 5 to 7 inch |
| Flea beetle larvae |            |               |            | band over the open furrow (T-band),    |
| Grape colaspis     |            |               |            | in-furrow with the seed, or broadcast  |
| Root maggot        |            |               |            | to the soil surface.                   |
| Wireworm           |            |               |            |  |
| White Grub         |            |               |            |  |

#### **At- Plant Restrictions:**

• Do not apply more than 0.1 lb ai/A per season as an at-plant application

#### PPI & PRE

| PEST               | USE        | RATES       | DIRECTIONS   |
|--------------------|------------|-------------|--|
|                    | Fluid oz/A | Pound ai/A  |  |
| Cutworm spp        | PRE        | PRE         | Tigris Bifenthrin LFC can be tank mixed and applied        |
|                    | 3.4 – 8.5  | 0.04 - 0.1  | with PPI or PRE herbicides. Incorporation of <b>Tigris</b> |
|                    |            |             | Bifenthrin LFC should not be any deeper than the           |
|                    |            |             | intended planting depth and no deeper than 3 inches.       |
|                    |            |             | Incorporation depth should be close to the                 |
| Cutworm species    | PPI        | PPI         | intended seed planting depth.                              |
| Flea beetle larvae | 3.4-8.5    | 0.04 to 0.1 |  |
| Wireworm           |            |             |  |
| White Grub         |            |             |  |
| Grape colaspis     |            |             |  |
| Root maggot        |            |             |  |

#### Foliar

| PEST             | USE        | RATES       | DIRECTIONS   |
|------------------|------------|-------------|--|
|                  | Fluid oz/A | Pound ai/A  |  |
| Aphids           |            |             | Apply as needed using sufficient water to obtain   |
| Armyworms        |            |             | uniform coverage.                                  |
| Corn earworm     |            |             |  |
| Cucumber Beetles |            |             | Apply with ground equipment using a minimum of     |
| Cutworms         |            |             | 10 gallons of finished spray per acre or a minimum |
| European Corn    |            |             | of 2 gallons per acre by aircraft.                 |
| Borer            |            |             |  |
| Flea Beetles     | 2.8 – 8.5  | 0.033 - 0.1 |  |
| Japanese Beetle  |            |             |  |
| (Adult)          |            |             |  |
| Leafminers       |            |             |  |
| Loopers          |            |             |  |
| Stink bugs       |            |             |  |
| Thrips           |            |             |  |
| Whitefly         |            |             |  |

| Broad Mite             |           |            |  |
|------------------------|-----------|------------|--|
| Carmine Mite           | 6.8 – 8.5 | 0.08 - 0.1 |  |
| Lygus species          | 0.6 - 6.5 | 0.08 - 0.1 |  |
| Twospotted Spider Mite |           |            |  |

- Do not make applications less than 7 days apart.
- Do not apply within 7 days of harvest.

### **Okra Restrictions:**

• Do not apply more than 0.2 lb ai/A per season including At-Plant, PRE & PPI, and Foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin products.

#### **PEANUT**

#### At- Plant

| PEST                                       | USE RATES     |                             |            | DIRECTIONS  |
|--|---------------|-----------------------------|------------|---|
|  | Fluid<br>oz/A | Fluid oz/1000<br>Linear ft. | Pound ai/A |   |
| Thrips, Leafhoppers, Aphids, and Wireworms | 6.8 – 8.5     | 0.39 – 0.49                 | 0.08 - 0.1 | Apply as a 5 to 7 inch band (T-band) over an open furrow, or in-furrow with the seed. |

### **Foliar**

| PEST                   | US         | E RATES     | DIRECTIONS   |
|------------------------|------------|-------------|--|
|                        | Fluid oz/A | Pound ai/A  |  |
| Beet Armyworm          |            |             | Apply in a minimum of 10 gallons per acre with     |
| Corn Earworm           |            |             | ground equipment or 2 gallon per acre by air craft |
| Cutworm species        |            |             |  |
| Fall Armyworm          |            |             |  |
| Grasshoppers           |            |             |  |
| Green Cloverworm       |            |             |  |
| Leafhoppers            |            |             |  |
| Lesser Cornstalk borer |            |             |  |
| Loopers                | 2.8 - 8.5  | 0.033 - 0.1 |  |
| Rednecked peanut worm  |            |             |  |
| Southern Armyworm      |            |             |  |
| Southern Corn Rootworm |            |             |  |
| Stink Bugs             |            |             |  |
| Threecornered alfalfa  |            |             |  |
| hopper                 |            |             |  |
| Velvetbean caterpillar |            |             |  |
| Yellowstriped armyworm |            |             |  |
| Aphids                 |            |             |  |
| Spider Mites           | 6.8 – 8.5  | 0.08 - 0.1  |  |
| Thrips                 | 0.6 - 6.3  | 0.00 - 0.1  |  |
| Whitefly               |            |             |  |

#### **Foliar Restrictions:**

- Do not make applications less than 14 days apart
- Do not apply within 14 days of harvest.
- Do not feed green immature plants and peanut hay to livestock.

#### **Peanut Restrictions:**

• Do not apply more than 0.5 lb ai per acre per season including at-plant, PPI, PRE and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### **PEARS**

### **Foliar**

| PEST   | USE RATES  |            | DIRECTIONS   |
|--|------------|------------|--|
|  | Fluid oz/A | Pound ai/A |  |
| Aphids Codling Moth Cutworms Green Fruitworm Leafhoppers Leafminers Leafrollers Lygus species Plant Bugs Plum Curculio San Jose Scale (Crawlers) Stink Bugs Tarnished Plant Bugs | 3.4 – 17.1 | 0.04 - 0.2 | Application by ground: Apply as a dilute (minimum of 200 gallons of finished spray per acre) or concentrate (minimum of 50 gallons of finished spray per acre) spray in sufficient water to provide thorough coverage.  Application by air: Apply the specified dosage in a minimum of 10 gallons per acre by air. |
| Twospotted Spider mite<br>Yellow Mite  | 5.1 – 17.1 | 0.06 - 0.2 |  |
| European Red Mite  | 6.8 – 17.1 | 0.08 - 0.2 |  |

## **Foliar Restrictions:**

- Do not make applications less than 30 days apart.
- Apply up to 14 days prior to harvest.
- Do not graze livestock in treated orchards or cut treated cover crops for feed

#### **Pear Restrictions:**

• Do not apply more than 0.5 pound active per acre per season including at-plant, PRE, PPI and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products with no more than 0.45 pound active per acre applied after petal fall.

### PEPPERS (BELL and NON-BELL) & PEPINO

| PEST               |            | USE RATES     |            | DIRECTIONS                             |
|--------------------|------------|---------------|------------|--|
|                    | Fluid oz/A | Fluid oz/1000 | Pound ai/A |  |
|                    |            | Linear ft.    |            |  |
| Army Cutworm       | 3.4 to 6.8 | 0.2 to 0.39   | 0.04 to    | Apply as a 5 to 7 inch band over the   |
| Armyworm species   |            |               | 0.08       | row on the soil surface, a 5 to 7 inch |
| Cutworm species    |            |               |            | band over the open furrow (T-band), or |
| Flea beetle larvae |            |               |            | in-furrow with the transplant or seed. |
| Grubs              |            |               |            | May be applied through transplant      |
| Pepper maggot      |            |               |            | water at time of transplanting.        |
| Root aphid         |            |               |            | Apply broadcast over the soil surface  |
| Root maggot        |            |               |            | for control of Army cutworm, Cutworm   |
| Stalk borer        |            |               |            | species, True armyworm, Armyworm       |
| True armyworm      |            |               |            | species, or Stalk borer                |
| Wireworm           |            |               |            |  |

## At Plant Restrictions:

• Do not apply more than 0.1 lb ai/A per season as an at-plant application

## PPI & PRE

| PEST               | USE RATES  |             | DIRECTIONS  |
|--------------------|------------|-------------|---|
|                    | Fluid oz/A | Pound ai/A  |   |
| Army cutworm       | PRE        | PRE         | Tigris Bifenthrin LFC can be tank mixed and applied             |
| Armyworm species   | 8.5        | 0.1         | with PRE pesticides Post Plant Soil Applied: Apply              |
| Cutworm species    |            |             | through drip or drip tape. Apply when soil is moist             |
| Flea beetle larvae |            |             | towards the end of the irrigation run.                          |
| Grubs              |            |             |   |
| True Armyworm      | PPI        | PPI         | Tigris Bifenthrin LFC can be tank mixed and applied             |
| Wireworm           | 3.4-8.5    | 0.04 to 0.1 | with PPI labeled pesticides.                                    |
|                    |            |             | Incorporation of <b>Tigris Bifenthrin LFC</b> should not be any |
|                    |            |             | deeper than the intended planting depth. Incorporation          |
|                    |            |             | depth should be close to the intended depth.                    |
|                    |            |             | Post Plant Soil Applied: Apply through drip or drip tape.       |
|                    |            |             | Apply when soil is moist towards the end of the                 |
|                    |            |             | irrigation run.   |

## Foliar

| PEST  | USE RATES  |             | DIRECTIONS   |
|---|------------|-------------|--|
|   | Fluid oz/A | Pound ai/A  |  |
| Armyworms (Including Beet) Armyworm Fall Armyworm Southern Cabbage Looper Colorado Potato Beetle Corn Earworm Cucumber Beetle Cutworms European Corn Borer Flea Beetle Leafminers Loopers Pepper weevil Plant Bug Stink Bug Thrips Tomato Hornworm Tomato Pinworm Vegetable Leafminer Whitefly Yellowstriped Armyworm | 2.8 – 8.5  | 0.033 - 0.1 | Thorough coverage is necessary to attain acceptable control. Make application at the onset of infestation reaching locally determined economic thresholds.  Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment.  When applying by air, 1 to 2 quarts of emulsified oil may be substituted for 1 to 2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. |
| Broad Mite Carmine Mite Lygus species Pacific Spider Mite Twospotted Spider Mite  | 6.8 – 8.5  | 0.08 - 0.1  |  |

## **Foliar Restrictions:**

• Do not make applications less than 7 days apart.

• Do not apply within 7 days of harvest.

## Pepper (Bell and Non-Bell) Restrictions:

• Do not apply more than 0.2 lb ai/A per season including at-plant, PPI, PRE and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

## **ROOT CROPS (Except Sugar Beets and Garden Beets) (Crop Subgroup 1B)**

Burdock Edible, Carrot, Celeriac, Chervil Turnip Rooted, Chicory, Garden Beet, Ginseng, Horseradish, Parsley Turnip Rooted, Parsnip, Radish, Radish Oriental, Rutabaga, Salsify, Salsify Black, Salsify Spanish, Skirret, and Turnip.

#### At-Plant

| PEST              | USE RATES  |            | DIRECTIONS  |  |
|-------------------|------------|------------|---|--|
|                   | Fluid oz/A | Pound ai/A |   |  |
| Crown and Root    |            |            | Apply as a 5 to 7 inch band (T-band) over an open   |  |
| Aphids            |            |            | furrow, or in-furrow with the seed. May be applied through transplant water at time of transplanting. |  |
| Flea Beetles      |            |            |   |  |
| Cutworms          | 8.5        | 0.1        |   |  |
| Seedcorn and Root |            |            |   |  |
| Maggots           |            |            |   |  |
| Wireworms         |            |            |   |  |

#### PPI & PRE

| PEST   | USE RATES  |            | DIRECTIONS   |  |
|--|------------|------------|--|--|
|  | Fluid oz/A | Pound ai/A |  |  |
| Crown and Root<br>Aphids<br>Flea Beetles<br>Cutworms | PRE<br>8.5 | PRE<br>0.1 | <b>Tigris Bifenthrin LFC</b> can be tank mixed and applied with PRE pesticides   |  |
| Seedcorn and Root<br>Maggots<br>Wireworms            | PPI<br>8.5 | PPI<br>0.1 | Tigris Bifenthrin LFC can be tank mixed and applied with PPI labeled herbicides. Incorporation of Tigris Bifenthrin LFC should not be any deeper than the intended planting depth. Incorporation depth should be close to the intended depth |  |

| PEST                | USE RATES  |            | DIRECTIONS                                       |
|---------------------|------------|------------|--|
|                     | Fluid oz/A | Pound ai/A |  |
| Aphids              |            |            | Thorough coverage is necessary to attain         |
| Beet Armyworm       |            |            | acceptable control. Make application at the      |
| Celery Leaf Tier    |            |            | onset of infestation reaching locally determined |
| Corn Earworm        |            |            | economic thresholds.                             |
| Cross Striped       |            |            |  |
| Cabbageworm         | 60.05      | 0.00 0.1   | Apply foliar treatments in at least 25 gallons   |
| Cutworms            | 6.8 – 8.5  | 0.08 - 0.1 | per acre.  |
| Diamondback Moth    |            |            |  |
| European Corn Borer |            |            |  |
| Fall Armyworm       |            |            |  |
| Fire Ants           |            |            |  |
| Flea Beetles        |            |            |  |

| Green Cloverworm       |  |  |
|------------------------|--|--|
| Hornworms              |  |  |
| Imported Cabbageworm   |  |  |
| Loopers                |  |  |
| Southern Armyworm      |  |  |
| Spider Mites           |  |  |
| Tobacco Budworm        |  |  |
| Velvetbean Caterpillar |  |  |
| Whitefly               |  |  |
| Yellowstriped Armyworm |  |  |

- Do not make applications less than 7 days apart.
- Do not apply within 21 days of harvest.

## **Root Crops Restrictions:**

• Do not apply more than 0.5 lb ai per acre per season including at-plant, PRE, PPI and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### **GARDEN BEETS**

### At-Plant

| PEST   | USE RATES  |            | DIRECTIONS  |
|--|------------|------------|---|
|  | Fluid oz/A | Pound ai/A |   |
| Crown and Root<br>Aphids                                 |            |            | Apply as a 5 to 7 inch band (T-band) over an open furrow, or in-furrow with the seed. May be applied through transplant water at time of transplanting. |
| Flea Beetles<br>Cutworms<br>Seedcorn and Root<br>Maggots | 8.5        | 0.1        |   |
| Wireworms  |            |            |   |

#### PPI & PRE

| PEST   | USE RATES  |            | DIRECTIONS   |
|--|------------|------------|--|
|  | Fluid oz/A | Pound ai/A |  |
| Crown and Root<br>Aphids<br>Flea Beetles<br>Cutworms | PRE<br>8.5 | PRE<br>0.1 | <b>Tigris Bifenthrin LFC</b> can be tank mixed and applied with PRE pesticides   |
| Seedcorn and Root<br>Maggots<br>Wireworms            | PPI<br>8.5 | PPI<br>0.1 | Tigris Bifenthrin LFC can be tank mixed and applied with PPI labeled herbicides. Incorporation of Tigris Bifenthrin LFC should not be any deeper than the intended planting depth. Incorporation depth should be close to the intended depth |

| DEST | LISE BATES | DIRECTIONS |
|------|------------|------------|
| PEST | USE RATES  | DIRECTIONS |

|  | Fluid oz/A | Pound ai/A |  |
|--|------------|------------|--|
| Aphids Fire Ants Flea Beetles Lepidopterous Larvae Spider Mites Whitefly | 6.8 – 8.5  | 0.08 - 0.1 | Thorough coverage is necessary to attain acceptable control. Make application at the onset of infestation reaching locally determined economic thresholds.  Apply foliar treatments in at least 25 gallons per acre. |

- Do not make applications less than 7 days apart.
- Do not apply within 1 day of harvest.

#### **Garden Beets Restrictions:**

• Do not apply more than 0.4 lb ai per acre per season including at-plant, PRE, PPI and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### GRASS FORAGE, FODDER, AND HAY GROUP AND GRASS GROWN FOR SEED, PASTURE AND RANGELAND

Bahiagrass, barnyardgrass, bentgrass, Bermudagrass, Kentucky bluegrass, big bluestem, smooth bromegrass, buffalograss, reed canarygrass, centipedegrass, crabgrass, cupgrass, dallisgrass, sand dropseed, Kentucky fescue, meadow foxtail, eastern gramagrass, side-oats grama, guinea grass, Indian grass, Johnsongrass, lovegrass, napiergrass, oatgrass, orchardgrass, pangolagrass, paspalum, redtop, Italian ryegrass, St. Augustine grass, sprangletop, squirreltailgrass, stargrass, switchgrass, timothy, crested wheatgrass, wildrye grass and zoysia grass. Also included are sudangrass and sorghum forages and their hybrids.

#### NOTE: USE ON GRASSES IS LIMITED TO THE STATES OF IDAHO, OREGON, AND WASHINGTON.

#### At-Plant

| PEST             | USE RATES  |               |            | DIRECTIONS                             |
|------------------|------------|---------------|------------|--|
|                  | Fluid oz/A | Fluid oz/1000 | Pound ai/A |  |
|                  |            | Linear ft.    |            |  |
| Army cutworm     | 8.5        | 0.39          | 0.1        | Apply as a 5 to 7 inch band over the   |
| Armyworm species |            |               |            | row on the soil surface, a 5 to 7 inch |
| Cutworm species  |            |               |            | band over the open furrow (T-band), or |
| Grape colaspis   |            |               |            | in-furrow with the seed.               |
| Grubs            |            |               |            | Apply broadcast over the soil surface  |
| Root maggot      |            |               |            | for control of Army cutworm, Cutworm   |
| True armyworm    |            |               |            | species, True armyworm, or             |
| Wireworm         |            |               |            | Armyworm species. Apply in a           |
|                  |            |               |            | minimum of 5 gallons per acre when     |
|                  |            |               |            | applied as in in-furrow or T-band      |
|                  |            |               |            | application.                           |

#### **PPI & PRE**

| DECT  | I IICE DATEC | DIDECTIONS |
|-------|--------------|------------|
| FLJI  | USE RATES    | DIRECTIONS |
| i Loi | 032 1171123  | DIRECTIONS |

|  | Fluid oz/A | Pound ai/A |  |
|--|------------|------------|--|
| Army cutworm Armyworm species Cutworm species Grape colaspis Grubs | PRE<br>8.5 | PRE<br>0.1 | <b>Tigris Bifenthrin LFC</b> can be tank mixed and applied with PRE herbicides. Apply in a minimum of 10 gallons per acre.   |
| Root maggot<br>True armyworm<br>Wireworm (PPI only)                | PPI<br>8.5 | PPI<br>0.1 | Tigris Bifenthrin LFC can be tank mixed and applied with PPI herbicides.  Incorporation of Tigris Bifenthrin LFC should not be any deeper than the intended planting depth and no deeper than 3 inches. Incorporation depth should be close to the intended seed planting depth.  Apply in a minimum of 10 gallons per acre. |

| PEST                               | USI        | RATES      | DIRECTIONS                                      |  |  |
|------------------------------------|------------|------------|---|--|--|
|                                    | Fluid oz/A | Pound ai/A |   |  |  |
| Alfalfa Caterpillar                |            |            | Apply as insects appear in sufficient volume of |  |  |
| Alfalfa Looper                     |            |            | water to ensure thorough coverage of foliage.   |  |  |
| Alfalfa Weevil                     |            |            |   |  |  |
| Banks Grass Mite                   |            |            | Use higher recommended dosage for increased     |  |  |
| Blue Alfalfa Aphid <sup>1</sup>    |            |            | pest pressure or for increased residual pest    |  |  |
| Carmine Mite                       |            |            | control. Do not exceed maximum allowable rate.  |  |  |
| Cutworms                           |            |            |   |  |  |
| Egyptian Alfalfa                   |            |            | Apply in a minimum of 2 gallons finished spray  |  |  |
| Weevil                             |            |            | per acre by air or in a minimum of 10 gallons   |  |  |
| (larvae & adult)                   |            |            | per acre with ground equipment.                 |  |  |
| Flea Beetles                       |            |            |   |  |  |
| Green Cloverworm                   |            |            | Higher volumes of finished spray may improve    |  |  |
| Green Peach Aphid <sup>1</sup>     |            |            | insect control under high temperatures, when    |  |  |
| Hornworms                          |            |            | foliage is dense and/or when insect pressure is |  |  |
| Lygus species                      |            |            | high.   |  |  |
| Meadow Spittlebug                  |            |            |   |  |  |
| Pea Aphid <sup>1</sup>             | 8.5        | 0.1        |   |  |  |
| Potato Leafhopper                  |            |            |   |  |  |
| Spotted Alfalfa Aphid <sup>1</sup> |            |            |   |  |  |
| Threecornered Alfalfa              |            |            |   |  |  |
| Hopper                             |            |            |   |  |  |
| Velvetbean                         |            |            |   |  |  |
| Caterpillar                        |            |            |   |  |  |
| Webworms                           |            |            |   |  |  |
| Armyworm, southern                 |            |            |   |  |  |
| Armyworm, true                     |            |            |   |  |  |
| Armyworm, yellowstriped            |            |            |   |  |  |
| Ant spp.                           |            |            |   |  |  |
| Cereal Leaf Beetle                 |            |            |   |  |  |
| Chinch Bug                         |            |            |   |  |  |
| Cricket                            |            |            |   |  |  |
| Grass Mealybug                     |            |            |   |  |  |

| Grasshoppers      |  |  |
|-------------------|--|--|
| Range caterpillar |  |  |
| Stink Bugs        |  |  |
| Armyworm, fall    |  |  |
| Black Grass Bug   |  |  |
| Hunting Bill Bug  |  |  |
| Plant Bug spp.    |  |  |

<sup>&</sup>lt;sup>1</sup>Aphid control may be variable depending on species present and host-plant relationships.

- Do not apply within 30 days of harvest for forage and hay.
- Do not make applications less than 14 days apart.

### Grass Forage, Fodder, Hay Group and Grass Grown for Seed, Pasture, and Rangeland Restrictions:

• Do not apply more than 0.2 lb. active ingredient to Grass Forage, Fodder, and Hay Group and Grass Grown for Seed, Pasture and Rangeland including At-Plant, PRE & PPI, and Foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

### **SOD FARMS**

#### At-Plant

| PEST                            | USE RATES  |            | DIRECTIONS  |
|---------------------------------|------------|------------|---|
|                                 | Fluid oz/A | Pound ai/A |   |
| Cutworms <sup>1</sup>           |            |            | Apply as a 5 to 7 inch band (T-band) over an open |
| White Grub                      |            |            | furrow, or in-furrow with the seed.               |
| Wireworm                        |            |            |   |
| Crickets                        |            |            |   |
| Earwigs                         | 8.5        | 0.1        |   |
| Ants                            |            |            |   |
| Chinch Bugs <sup>5</sup>        |            |            |   |
| Imported Fire Ants <sup>8</sup> |            |            |   |

#### PRE & PPI

| PEST  | USE RATES  |            | DIRECTIONS   |  |  |
|---|------------|------------|--|--|--|
|   | Fluid oz/A | Pound ai/A |  |  |  |
| Cutworms <sup>1</sup>                                       |            |            | Tigris Bifenthrin LFC can be tank mixed and applied  |  |  |
| White Grub  | PRE        | PRE        | with PPI and PRE herbicides. Incorporation of Tigris |  |  |
| Wireworm  | 8.5        | 0.1        | Bifenthrin LFC should not be any deeper than the     |  |  |
| Crickets  |            |            | intended planting depth and no deeper than 3 inches. |  |  |
| Earwigs   |            |            | Incorporation depth should be close to the intended  |  |  |
| Ants  | PPI        | PPI        | seed planting depth.                                 |  |  |
| Chinch Bugs <sup>5</sup><br>Imported Fire Ants <sup>8</sup> | 8.5        | 0.1        |  |  |  |

| PEST                     | USE RATES                           |              |            | DIRECTIONS                                   |
|--------------------------|-------------------------------------|--------------|------------|--|
|                          | Fluid oz/A Fluid oz/1000 Pound ai/A |              | Pound ai/A |  |
|                          |                                     | Linear ft.   |            |  |
| Armyworms <sup>1</sup>   | 2.8 to 17.42                        | 0.066 to 0.4 | 0.033- 0.2 | Apply as a broadcast treatment. Use higher   |
| Cutworms <sup>1</sup>    |                                     |              |            | volumes up to 10 gallons of carrier per 1000 |
| Sod Webworm <sup>1</sup> |                                     |              |            | square feet to get uniform coverage when     |

| Annual Bluegrass Weevil              | 4.35 to      | 0.1 to 0.4 | 0.05 - 0.2 | treating dense grass foliage.                 |
|--------------------------------------|--------------|------------|------------|---|
| (Hyperodes) (Adult) <sup>2</sup>     | 17.42        |            |            |   |
| Banks Grass Mite <sup>6</sup>        |              |            |            | Irrigation to treated area within a few hours |
| Billbugs (Adult) <sup>3</sup>        |              |            |            | following application can improve efficacy to |
| Black Turfgrass Ataenius             |              |            |            | sub-surface pests including mole crickets.    |
| (Adult) <sup>4</sup>                 |              |            |            |   |
| Crickets                             |              |            |            | The higher application rates should be used   |
| Earwigs                              |              |            |            | when maximum residual control is desired or   |
| Grasshoppers                         |              |            |            | heavy pest populations occur.                 |
| Mealybugs                            |              |            |            |   |
| Mites <sup>6</sup>                   |              |            |            |   |
| Ants                                 | 8.7 to 17.42 | 0.2 to 0.4 | 0.1 - 0.2  |   |
| Chinch Bugs <sup>5</sup>             |              |            |            |   |
| Fleas (Larvae) <sup>7</sup>          |              |            |            |   |
| Japanese Beetle (Adult) <sup>8</sup> |              |            |            |   |
| Mole Cricket (Adult) <sup>9</sup>    |              |            |            |   |
| Mole Cricket (Nymph) <sup>10</sup>   |              |            |            |   |
| Ticks 11                             |              |            |            |   |

<sup>1</sup>Armyworms, Cutworms and Sod Webworms: To ensure optimum control, delay watering (irrigation) or mowing for 24 hours after application. If the grass area is being maintained at a mowing height of greater than 1 inch, then higher application rates (up to 0.4 fluid oz. per 1000 square feet) may be required during periods of high pest pressure.

<sup>2</sup>Annual Bluegrass Weevil (*Hyperodes*) adults: Applications should be timed to control adult weevils as they leave their overwintering sites and move into grass areas. This movement generally begins when *Forsythia* is in full bloom and concludes when flowering dogwood (*Cornus florida*) is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing.

<sup>3</sup>Billbug adults: Applications should be made when adult billbugs are first observed during April and May. Degree day models have been developed to optimize application timing. Consult your State Cooperative Extension Service for information specific to your region. In temperate regions, spring applications targeting billbug adults will also provide control of over-wintered chinch bugs.

<sup>4</sup>Black Turfgrass Ataenius adults: Applications should be made during May and July to control the first and second generation of black turfgrass ataenius adults, respectively. The May application should be timed to coincide with the full bloom stage of Vanhoutte spiraea (*Spiraea vanhouttei*) and horse chestnut (*Aesculus hippocastanum*). The July application should be timed to coincide with the blooming of Rose of Sharon (*Hibiscus syriacus*).

<sup>5</sup>Chinch Bugs: Chinch Bugs infest the base of grass plants and are often found in the thatch layer. Irrigation of the grass area before treatment will optimize the penetration of the insecticide to the area where the chinch bugs are located. Use higher volume applications if the thatch layer is excessive or if a relatively long mowing height is being maintained. Chinch Bugs can be one of the most difficult pests to control in grasses and the higher application rates (up to 0.4 fluid oz. per 1000 square feet) may be required to control populations that contain both nymphs and adults during the middle of the summer.

<sup>6</sup>**Mites:** To ensure optimal control of eriophyid mites, apply in combination with the labeled application rate of a surfactant. A second application, five to seven days after the first, may be necessary to achieve acceptable control.

<sup>7</sup>Flea larvae: Flea larvae develop in the soil of shaded areas that are accessible to pets or other animals. Use a higher volume application when treating these areas to ensure penetration of the insecticide into the soil. Note: if the lawn area is being treated with this product at 0.1 fluid oz. per 1000 square feet for adult flea control, then the larval application rate may be achieved by increasing the application volume two- to four-fold.

<sup>8</sup>Imported Fire Ants: Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound drenches that will control existing colonies. If the soil is not moist, then it is important to irrigate before application or use a high volume application. Broadcast treatments should apply 0.4 fluid oz. per 1,000 square feet. Mounds should be treated by diluting 0.05 fluid oz of Tigris Bifenthrin LFC per gallon of water and applying 1 to 2 gallons of finished spray per mound. The mounds should be treated with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels. A four foot diameter circle around the mound should also be treated. For best results, apply in cool weather (65 - 80°F) or in early morning or late evening hours.

<sup>9</sup>Mole Cricket adults: Achieving acceptable control of adult mole crickets is difficult because preferred grass areas are subject to continuous invasion during the early spring by this extremely active stage. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized. Grass areas that receive pressure from adult mole crickets should be treated at peak egg hatch to ensure optimum control of subsequent nymph populations (see below).

<sup>10</sup>Mole Cricket nymphs: Grass areas that received intense adult mole cricket pressure in the spring should be treated immediately prior to peak egg hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides and they are located near the soil surface where the insecticide is most concentrated. Control of larger, more damaging, nymphs later in the year may require both higher application rates and more frequent applications to maintain acceptable control. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized.

<sup>11</sup>Ticks (Including ticks that may transmit Lyme Disease and Rocky Mountain Spotted fever): Do not make spot applications. Treat the entire area where exposure to ticks may occur. Use higher spray volumes when treating areas with dense ground cover or heavy leaf litter. Ticks may be reintroduced from surrounding areas on host animals. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed activity. Repeat application must be limited to no more than once per seven days.

**Deer ticks** (*Ixodes sp.*) have a complicated life cycle that ranges over a two year period and involves four life stages. Applications should be made in the late fall and/or early spring to control adult ticks that are usually located on brush or grass above the soil surface and in mid to late spring to control larvae and nymphs that reside in the soil and leaf litter.

American dog ticks may be a considerable nuisance in suburban settings, particularly where homes are built on land that was previously field or forest. These ticks commonly congregate along paths or roadways where humans are likely to be encountered. Applications should be made as necessary from mid-spring to early fall to control American dog tick larvae, nymphs and adults.

#### **Sod Farm Restrictions:**

- In New York State, this product may NOT be applied to any grass or turf area within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).
- In New York State, make a single repeat application of this product if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

## **SOYBEANS**

## At-Plant

| PEST             |            | USE RATES     |             | DIRECTIONS                             |
|------------------|------------|---------------|-------------|--|
|                  | Fluid oz/A | Fluid oz/1000 | Pound ai/A  |  |
|                  |            | Linear ft.    |             |  |
| Rootworm larvae  | 6.8 to 8.5 | 0.39 to 0.49  | 0.08 to 0.1 | Apply as a 5 to 7 inch band over the   |
| Army cutworm     | 3.4 to 6.8 | 0.2 to 0.39   | 0.04 to     | row on the soil surface, a 5 to 7 inch |
| Armyworm species |            |               | 0.08        | band over the open furrow (T-band), or |
| Cutworm species  |            |               |             | in-furrow with the seed.               |
| Grape colaspis   |            |               |             |  |
| Grubs            |            |               |             | Apply broadcast over the soil surface  |
| Root maggot      |            |               |             | for control of Army cutworm, Cutworm   |
| Seed corn beetle |            |               |             | species, True armyworm, or Armyworm    |
| Seedcorn maggot  |            |               |             | species.                               |
| True armyworm    |            |               |             |  |
| Wireworm         |            |               |             |  |
| Bean Leaf Beetle |            |               |             |  |
| Larvae           |            |               |             |  |

## At- Plant Restrictions:

• Do not apply more than 0.1 lb ai/A per season as an at-plant application

#### PRE & PPI

| PEST  | USE RATES      |                      | DIRECTIONS   |  |
|---|----------------|----------------------|--|--|
|   | Fluid oz/A     | Pound ai/A           |  |  |
| Armyworm species<br>Black Cutworm   | PRE<br>3.4     | PRE<br>0.04          | <b>Tigris Bifenthrin LFC</b> can be tank mixed and applied with PRE herbicides.  |  |
| Armyworm species Black Cutworm Seed corn beetle Stalkborer Bean leaf Beetle Larvae Seed corn Maggot White Grub Wireworm Seedcorn Maggot | PPI<br>4 - 5.3 | PPI<br>0.047 - 0.062 | Tigris Bifenthrin LFC can be tank mixed and applied with PPI herbicides.  Incorporation of Tigris Bifenthrin LFC should not be any deeper than the intended planting depth and no deeper than 3 inches. Incorporation depth should be close to the intended seed planting depth. |  |

## **Foliar Restrictions:**

- Do not make applications less than 30 days apart
- Do not apply within 18 days of harvest.

### **Soybean Restrictions:**

• Do not apply more than 0.3 lb ai/A per season including At-Plant, PRE & PPI, and Foliar applications of this and other bifenthrin products.

## **SPINACH**

## **At-Plant**

| PEST            | USE RATES  |               |             | DIRECTIONS                               |
|-----------------|------------|---------------|-------------|--|
|                 | Fluid oz/A | Fluid oz/1000 | Pound ai/A  |  |
|                 |            | Linear ft.    |             |  |
| Rootworm larvae | 6.8 to 8.5 | 0.39 to 0.49  | 0.08 to 0.1 | Apply as a 5 to 7 inch band over the row |
| Garden          |            |               |             | on the soil surface, a 5 to 7 inch band  |
| Symphylans      |            |               |             | over the open furrow (T-band), or in-    |
| Army cutworm    | 3.4 to 6.8 | 0.2 to 0.39   | 0.04 to     | furrow with the seed.                    |
| Armyworm        |            |               | 0.08        |  |
| species         |            |               |             | Apply broadcast to the soil surface for  |
| Cutworm species |            |               |             | control of Army cutworm, Cutworm         |
| Grubs           |            |               |             | species, True armyworm, or Armyworm      |
| Root maggot     |            |               |             | species.                                 |
| Seedcorn maggot |            |               |             |  |
| True armyworm   |            |               |             |  |
| Wireworm        |            |               |             |  |

### **At Plant Restrictions:**

• Do not apply more than 0.1 lb ai/A per season as an at-plant application

### PPI

| PEST              | USE RATES  |             |  |  |
|-------------------|------------|-------------|--|--|
|                   | Fluid oz/A | Pound ai/A  |  |  |
| Seed Corn Maggot  |            |             |  |  |
| Wireworms         | PPI        | PPI         |  |  |
| Garden Symphylans | 3.4 – 6.8  | 0.04 - 0.08 |  |  |
|                   |            |             |  |  |

| PEST   | USE RATES  |              | DIRECTIONS   |  |
|--|------------|--------------|--|--|
|  | Fluid oz/A | Pound ai/A   | DIRECTIONS   |  |
| Armyworms Colorado Potato Beetle Corn earworm Cucumber Beetles Cutworms European Corn Borer Flea Beetles Leafminers Loopers Pepper Weevil Tomato Hornworm Tomato Pinworm Thrips Whitefly | 2.8 to 8.5 | 0.033 to 0.1 | For control of whiteflies, apply foliar treatments of <b>Tigris Bifenthrin LFC</b> by ground or air at rates of up to 0.1 lb active per acre at minimum 7 day intervals up to a maximum of 4 applications. Do not apply within 40 days of harvest.  For control of fire ants apply <b>Tigris Bifenthrin LFC</b> to the soil (at planting) or as a foliar treatment by ground or air at rates of up to 0.1 lb active per acre at minimum 7 day intervals up to a maximum of 4 applications.  Apply the specified dosage in 5-50 gallons of finished spray per acre by air or 10-50 gallons finished spray per acre by ground. |  |
| Banks Grass Mite Broad Mite Carmine Mite Fire Ants Lygus species Pacific Spider Mite Twospotted spider mite  | 6.8 to 8.5 | 0.08 to 0.1  |  |  |

#### **Foliar Restrictions:**

- Do not make applications less than 7 days apart
- Do not apply within 40 days of harvest.

#### **Spinach Restrictions:**

• Do not apply more than 0.4 lb ai/A per season including At-Plant, PRE & PPI, and Foliar applications of this and other bifenthrin products.

## **SUCCULENT PEAS AND BEANS (Crop Subgroups 6A and 6B)**

Pea (Pisum spp.): Dwarf pea, Edible-pod pea, English pea, Garden pea, Green pea, Snow pea, Sugar snap pea, Pigeon pea; Bean (Phaseolus spp.): Broadbean (succulent), Lima bean (green), Runner bean, Snap bean, Wax bean; Bean, Vigna spp.): Asparagus bean, Blackeyed pea, Chinese longbean, Cowpea, Moth bean, Southern pea, Yardlong bean, Jackbean, Soybean (immature seed), Sword bean, purple hulled pea.

## At-Plant

| PEST             | USE RATES  |               |             | DIRECTIONS                             |
|------------------|------------|---------------|-------------|--|
|                  | Fluid      | Fluid oz/1000 | Pound ai/A  |  |
|                  | oz/A       | Linear ft.    |             |  |
| Rootworm larvae  | 6.8 to 8.5 | 0.39 to 0.49  | 0.08 to 0.1 | Apply as a 5 to 7 inch band over the   |
| Army cutworm     | 3.4 to 6.8 | 0.2 to 0.39   | 0.04 to     | row on the soil surface, a 5 to 7 inch |
| Armyworm species |            |               | 0.08        | band over the open furrow (T-band), or |
| Cutworm species  |            |               |             | in-furrow with the seed.               |
| Grape colaspis   |            |               |             |  |
| Grubs            |            |               |             | Apply broadcast over the soil surface  |
| Root maggot      |            |               |             | for control of Army cutworm, Cutworm   |

| Seedcorn maggot        |  | species, True armyworm, or |
|------------------------|--|----------------------------|
| True armyworm          |  | Armyworm species.          |
| Wireworm               |  |                            |
| At Plant Postrictions: |  |                            |

## **At- Plant Restrictions:**

• Do not apply more than 0.1 lb ai/A per season as an at-plant application

# PRE & PPI

| PEST  | USE RATES        |                   | DIRECTIONS  |
|---|------------------|-------------------|---|
|   | Fluid oz/A       | Pound ai/A        |   |
| Army cutworm Armyworm species Cutworm species | PRE              | PRE               | <b>Tigris Bifenthrin LFC</b> can be tank mixed and applied with PRE herbicides.   |
| Grape colaspis Grubs Root maggot              | 6.8 – 8.5        | 0.08 - 0.1        | Post Plant Soil Applied: Apply through drip or Drip Tape. Apply when soil is moist towards the end of the irrigation run.   |
| True armyworm Wireworm (PPI only)             | PPI<br>6.8 – 8.5 | PPI<br>0.08 – 0.1 | Tigris Bifenthrin LFC can be tank mixed and applied with PPI herbicides.  Incorporation of Tigris Bifenthrin LFC should not be any deeper than the intended planting depth and no deeper than 3 inches. Incorporation depth should be close to the intended seed planting depth. Apply in a minimum of 10 gallons per acre. Post Plant Soil Applied: Apply through drip or Drip tape. Apply when soil is moist towards the end of the irrigation run. |

| PEST                    | USE RATES  |             | DIRECTIONS  |  |
|-------------------------|------------|-------------|---|--|
|                         | Fluid oz/A | Pound ai/A  | DIRECTIONS  |  |
| Aster Flea Beetle       | 2.1 – 8.5  | 0.025 - 0.1 | Apply in a minimum of 2 gallons finished spray per                        |  |
| Leafhopper              |            |             | acre by air or in a minimum of 10 gallons per acre with ground equipment. |  |
| Adult Sap Beetle        |            |             |   |  |
| Alfalfa Caterpillar     |            |             | When applying by air, 1 – 2 quarts of emulsified oil                      |  |
| Aphids                  |            |             | may be substituted for 1 – 2 quarts of water in the                       |  |
| Armyworm, Beet          |            |             | finished spray.   |  |
| Armyworm, Fall          |            |             |   |  |
| Armyworm, Southern      |            |             | Thorough coverage is essential to achieve control.                        |  |
| Armyworm, Yellowstriped |            |             |   |  |
| Bean Leaf Beetle        |            |             | Make application at the onset of infestation reaching                     |  |
| Cloverworm              |            |             | locally determined economic threshold.                                    |  |
| Corn earworm            | 2.8 – 8.5  | 0.033 - 0.1 |   |  |
| Corn Rootworm (Adult)   |            |             |   |  |
| Cucumber Beetle         |            |             |   |  |
| Cutworms                |            |             |   |  |
| European Corn Borer     |            |             |   |  |
| Grasshoppers            |            |             |   |  |
| Japanese Beetle         |            |             |   |  |
| Loopers                 |            |             |   |  |
| Pea Leaf Weevil         |            |             |   |  |
| Pea Weevil              |            |             |   |  |

| Plant Bug              |           |             |  |
|------------------------|-----------|-------------|--|
| Stink Bugs             |           |             |  |
| Tarnished Plant Bug    |           |             |  |
| Thrips                 |           |             |  |
| Webworms               |           |             |  |
| Western Bean Cutworm   |           |             |  |
| Whitefly               |           |             |  |
| Banks Grass Mite       |           |             |  |
| Carmine Mite           | 6.8 – 8.5 | 0.08 to 0.1 |  |
| Lygus species          | 0.0 - 8.5 | 0.00 (0 0.1 |  |
| Twospotted spider mite |           |             |  |

- Do not apply within 3 days of harvest.
- Do not make applications less than 3 days apart

## Succulent Peas and Beans (Crop Subgroups 6A and 6B) Restrictions:

• Do not apply more than 0.2 lb ai/A per season including At-Plant, PRE & PPI, and Foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

## **TOBACCO**

### PRE-TRANSPLANT and AT-TRANSPLANT

| PEST               | USE RATES  |               |             | DIRECTIONS                                     |
|--------------------|------------|---------------|-------------|--|
|                    | Fluid oz/A | Fluid oz/1000 | Pound ai/A  |  |
|                    |            | Linear ft.    |             |  |
| Armyworm           | 3.4 to 8.5 | 0.2 to 0.49   | 0.04 to 0.1 | Pre-transplant soil applications:              |
| species            |            |               |             | Use of suitable equipment to incorporate       |
| Cutworm species    |            |               |             | into top 4" of the soil is required to control |
| Flea beetle larvae |            |               |             | below ground pests.                            |
| Mole cricket       |            |               |             | At-transplant water treatment                  |
| Stalkborer         |            |               |             | application: Apply 0.0625 to 0.1 pound         |
| White grubs        |            |               |             | ai/A in a water treatment application          |
| Wireworm           |            |               |             | volume of 10 to 200 gal/A.                     |
|                    |            |               |             | May be tank mixed with Command,                |
|                    |            |               |             | Spartan or Aquesta™ 4 F, and other             |
|                    |            |               |             | herbicides approved for tobacco use.           |

#### Pre-Transplant & At-Transplant Restrictions:

• Do not apply later than layby.

| PEST                 | USE RATES  |             | DIRECTIONS   |
|----------------------|------------|-------------|--|
|                      | Fluid oz/A | Pound ai/A  |  |
| Aphid spp.*          | 3.4 to 8.5 | 0.04 to 0.1 | Apply 0.04 to 0.10 lb ai/A per foliar application up |
| Armyworm spp.        |            |             | to, and including, layby in a minimum of 10 gal/A.   |
| Chinch bugs          |            |             |  |
| Cutworm spp.         |            |             | May be tank mixed with Command, Spartan or           |
| Flea beetle (Adults) |            |             | Aquesta™ 4 F, and other herbicides approved for      |
| Grasshoppers         |            |             | tobacco use.   |
| Green bugs           |            |             |  |
| Japanese beetles     |            |             | *See resistance statement under "Directions for      |
| Stink Bugs           |            |             | Use" section.  |

| Thrips               |            |             |
|----------------------|------------|-------------|
| White flies          |            |             |
| Tarnished plant bugs |            |             |
| Hornworm             | 6.8 to 8.5 | 0.08 to 0.1 |
| Tobacco Budworm      |            |             |
| Spider mites         | 8.5        | 0.1         |
| Lygus spp.           |            |             |

- Do not make more than 2 foliar applications per season.
- Do not apply later than layby.

## **Tobacco Restrictions:**

• Do not apply more than 0.2 lb ai/A per season including at-plant, PRE, PPI and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

## **TOMATOES, TOMATILLOS, & GROUNDCHERRIES**

### At-Plant

| PEST               |            | USE RATES     |            | DIRECTIONS                             |
|--------------------|------------|---------------|------------|--|
|                    | Fluid      | Fluid oz/1000 | Pound ai/A |  |
|                    | oz/A       | Linear ft.    |            |  |
| Army cutworm       | 3.4 to 6.8 | 0.2 to 0.39   | 0.04 to    | Apply as a 5 to 7 inch band over the   |
| Armyworm species   |            |               | 0.08       | row on the soil surface, a 5 to 7 inch |
| Cutworm species    |            |               |            | band over the open furrow (T-band), or |
| Flea beetle larvae |            |               |            | in-furrow with the transport or seed.  |
| Grubs              |            |               |            | May be applied through transplant      |
| Root maggot        |            |               |            | water at time of transplanting. Apply  |
| Stalkborer         |            |               |            | broadcast to the soil surface for      |
| True armyworm      |            |               |            | control of Army cutworm, Cutworm       |
| Wireworm           |            |               |            | species, True armyworm, Armyworm       |
|                    |            |               |            | species, or Stalkborer.                |

### **At- Plant Restrictions:**

• Do not apply more than 0.1 lb ai/A per season as an at-plant application

#### PRE & PPI

| PEST               | USE RATES  |             | DIRECTIONS   |
|--------------------|------------|-------------|--|
|                    | Fluid oz/A | Pound ai/A  |  |
| Army cutworm       |            |             | Tigris Bifenthrin LFC can be tank mixed and              |
| Armyworm species   |            |             | applied with PRE herbicides.                             |
| Cutworm species    | PRE        | PRE         |  |
| Flea beetle larvae | 6.8        | 0.08        | Post Plant Soil Applied: Apply through drip or           |
| Garden symphylans  |            |             | Drip Tape. Apply when soil is moist towards the          |
| Grubs              |            |             | end of the irrigation run.                               |
| True Armyworm      |            |             | Tigris Bifenthrin LFC can be tank mixed and              |
| Wireworm           |            |             | applied with PPI herbicides.                             |
| True armyworm      |            |             |  |
|                    | DDI        | DDI         | Incorporation of <b>Tigris Bifenthrin LFC</b> should not |
|                    | PPI        | PPI         | be any deeper than the intended planting depth           |
|                    | 3.4 –6.8   | 0.04 - 0.08 | and no deeper than 3 inches. Incorporation               |
|                    |            |             | depth should be close to the intended seed               |
|                    |            |             | planting depth. Apply in a minimum of 10 gallons         |
|                    |            |             | per acre. Post Plant Soil Applied: Apply through         |

|  | drip or Drip tape. Apply when soil is moist towards the end of the irrigation run. |
|--|--|
|  |  |

| PEST  | U          | SE RATES      | DIRECTIONS   |
|---|------------|---------------|--|
|   | Fluid oz/A | Pound ai/A    |  |
| Aphids Armyworms (including Beet)  Armyworm, Fall Armyworm, Southern Bean Leaf Beetle Cabbageworm Carmine Mite Cloverworm Corn earworm Corn Rootworm Cucumber Beetles             |            |               | Thorough coverage is necessary to attain acceptable control. Make application at the onset of infestation reaching locally determined economic levels.  Apply in water. Apply the specified dosage in 5 to 50 gallons of finished spray per acre by air or 10 to 50 gallons of finished spray per acre by ground. Thorough coverage is essential to achieve control. |
| Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hopper Grasshopper Japanese Beetle (Adult) Leafhoppers Loopers Lygus species Melonworm Pea Weevil Pea Leaf Weevil | 2.8 – 6.8  | 0.033 to 0.08 |  |
| Pickleworm Plant Bug Rindworm Salt Marsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink bug species Tobacco Budworm  |            |               |  |
| Tarnished Plant Bug Thrips Whitefly Yellowstriped Armyworm Twospotted spider  | 6.8 to 8.5 | 0.08 to 0.1   | _  |
| mite  |            |               |  |

## Foliar Restrictions:

• Do not make applications less than 10 days apart.

• Do not apply within 1 day of harvest

### Tomato, Tomatillo, and Groundcherry Restrictions:

• Do not apply more than 0.40 lb ai/A per season including at-plant, PRE, PPI and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

#### **TREE NUTS**

African nut-tree; almond; beechnut; Brazil nut; Brazilian pine; bunya; bur oak; butternut; Cajou nut; candlenut; cashew; chestnut; chinquapin; coconut; coquito nut; dika nut; ginkgo; Guiana chestnut; hazelnut (filbert); heartnut; hickory nut; Japanese horse-chestnut; macadamia nut; mongongo nut; monkey-pot; monkey puzzle nut; Okari nut; Pachira nut; peach palm nut; pecan; pequi; Pili nut; pine nut; pistachio; Sapucaia nut; tropical almond; walnut, black; walnut, English; yellowhorn; cultivars, varieties, and/or hybrids of these

#### **Foliar**

| PEST  | USE        | RATES      | DIRECTIONS  |
|---|------------|------------|---|
|   | Fluid oz/A | Pound ai/A |   |
| Black Pecan Aphid Codling Moth Filbert Worm Hickory Shuckworm Leaffooted Bugs Navel Orangeworm Oblique Banded Leafroller Peach Twig Borer Pecan Leaf Casebearer Pecan Nut Casebearer Pecan Phylloxera Plant Bugs Stink Bugs Walnut Aphid Yellow Pecan Aphid | 4.3 – 17.1 | 0.05 - 0.2 | Apply by ground or air equipment using sufficient water to obtain full coverage of foliage. Apply as a dilute (minimum of 200 gallons of finished spray per acre) or concentrate (minimum of 50 gallons of finished spray per acre) by ground or apply the specified amount in a minimum of 10 gallons of finished spray per acre by air. |
| European Red Mite<br>Pecan Weevil   | 6.8 – 17.1 | 0.08 - 0.2 |   |
| Spider Mite species   |            |            |   |
| Fire ants   | 8.5 – 17.1 | 0.1 - 0.2  |   |
| Walnut Husk Fly   |            |            |   |

#### **Foliar Restrictions:**

- Do not make applications less than 15 days apart.
- Do not apply within 21 days of harvest for pecans and 7 days for all other registered tree nut crops.
- Do not graze livestock in treated orchards or cut treated cover crops for feed.

## **Tree Nuts Restrictions:**

• Do not apply more than 0.5 lb active ingredient (1 quart) per acre per season including at-plant, PRE, PPI and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

## **TUBEROUS AND CORM VEGETABLES (Crop Subgroup 1C)**

Potato, Sweet potato, Arracacha, Arrowroot, Chinese artichoke, Jerusalem artichoke, Edible canna, Cassava (bitter and sweet), Chayote (root), Chufa, Dasheen (taro), Ginger, Leren, Tanier, Turmer, Yam bean, True yam.

### At-Plant

| PEST   | USE RATES     |             | DIRECTIONS   |
|--|---------------|-------------|--|
|  | Fluid oz/A    | Pound ai/A  |  |
| Grape colaspis Rootworms Sweet potato flea beetle White grub Wireworms | 12.75 to 25.5 | 0.15 to 0.3 | Tigris Bifenthrin LFC insecticide may be applied as a soil incorporated broadcast, directed bed spray or a T-band spray into the planting furrow for the control of wireworms, sweet potato flea beetle, and white grubs. Apply Tigris Bifenthrin LFC at the rate of 0.15 to 0.3 pounds active ingredient (12.75 to 25.5 fluid ounces formulated) per acre in a minimum of 10 gallons per acre of spray. |

#### At Plant Restrictions:

• Do not apply more than 0.3 lb ai/A per season as an at-plant application.

## Lay-By

| PEST   | USE RATES     |             | DIRECTIONS   |
|--|---------------|-------------|--|
|  | Fluid oz/A    | Pound ai/A  |  |
| Grape colaspis<br>Rootworms<br>Wireworms<br>White grub | 12.75 to 25.5 | 0.15 to 0.3 | Tigris Bifenthrin LFC insecticide may be applied as one or more soil directed and incorporated treatments at cultivation or layby for the control of wireworms and white grubs. Apply Tigris Bifenthrin LFC to the drill area and incorporate by cultivation equipment set to throw soil towards the drill area. Apply in a minimum of 10 gallons per acre of spray. |

#### PPI

| USE RATES     |             | DIRECTIONS  |
|---------------|-------------|---|
| Fluid oz/A    | Pound ai/A  | 7   |
| 12.75 to 25.5 | 0.15 to 0.3 | Apply Tigris Bifenthrin LFC to the transplant area and incorporate to planting depth. Apply Tigris Bifenthrin LFC in a minimum of 10 gallons per acre of spray. May be applied as a broadcast application or an incorporated band application |
|               | Fluid oz/A  | Fluid oz/A Pound ai/A   |

| PEST  | USE RATES  |             | DIRECTIONS  |
|---|------------|-------------|---|
|   | Fluid oz/A | Pound ai/A  | DIRECTIONS  |
| Banded Cucumber beetle Black flea beetle Corn wireworm Cucumber beetle Japanese beetle grubs June beetle Rootworms Southern potato wireworm Sugarcane beetle Sweetpotato flea beetle Sweetpotato weevil Tobacco wireworm Whitefringed beetle White grub | 2.8 – 8.5  | 0.033 - 0.1 | Apply in a minimum of 3 gallons finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment.  Tigris Bifenthrin LFC may be applied as a foliar spray for the control of the adult life stages of flea beetles, click beetles (wireworms), cucumber beetles (rootworms), white fringed beetles and May/June beetles (white grubs). |

### **Foliar Restrictions:**

- Do not make more than 2 foliar applications per season
- Do not make applications less than 21 days apart.
- Do not apply within 21 days of harvest.

## **Tuberous and Corm Vegetables (Crop Subgroup 1C) Restrictions:**

• Do not apply more than 0.5 lb ai/A per season including soil, lay-by, at-plant, PPI and foliar applications of **Tigris Bifenthrin LFC** and other bifenthrin containing products.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** If storing this product below freezing, user should shake or roll the container to ensure proper product consistency. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal. In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call CHEMTREC 1-800-424-9300. To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper 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 Residential uses]

[Nonrefillable container. Do not reuse or refill this container. If empty: Offer for recycling if available or discard in a sanitary landfill. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.]

[For Commercial Uses]

[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 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 incineration.]

[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

#### LIMITATION OF WARRANTY AND LIABILITY

**IMPORTANT: READ BEFORE USE.** Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. All such risks shall be assumed by the user or

buyer. **DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

[Tigris Bifenthrin LFC] is a trademark of Tigris, LFC

Batallion 2 EC, Serpent 1 EC, and Aquesta 4 F are trademarks of Atticus, LLC
[Capture LFR] Mustang, Brigade, Declare, Ammo are registered trademarks of FMC Corporation or an affiliate.
Ambush and Discipline are registered trademarks of AMVAC Chemical Corporation.
Asana® XL is a registered trademark of E.I. DuPont de Nemours and Company.
Baythroid® is a registered trademark of Bayer Aktiengesellschaft.
Danitol® is a registered trademark of Sumitomo Chemical Company, Ltd.
Fanfare® is a registered trademark of Makhteshim Again Group Company
Karate® Is a registered trademark of Syngenta

#### {LANGUAGE ON LABEL AFFIXED TO CONTAINER}

#### RESTRICTED USE PESTICIDE

Toxic to fish and aquatic organisms.

For retail sale to and use only by certified applicators, or persons under their direct supervision and only for the uses covered by the certified applicator's certification.

> GROUP 3A BIFENTHRIN INSECTICIDE

# Tigris Bifenthrin LFC<sup>[™]</sup>

[For mixing directly with liquid fertilizer to control listed soil insect pests]

| (% by weight) |
|---------------|
| 17.15%        |
| <u>82.85%</u> |
| 100.0%        |
|               |

<sup>\*</sup>Cis isomers 97% minimum, trans isomers 3% maximum.

This product contains 1.5 pounds active ingredient per gallon.

# **KEEP OUT OF REACH OF CHILDREN** WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

| explain it to you in detail.) |  |
|-------------------------------|--|
| FIRST AID                     |  |
| If swallowed:                 | Call a poison control center or doctor immediately for treatment advice.   |
|                               | Have person sip a glass of water if able to swallow.   |
|                               | Do not induce vomiting unless told to do so by the poison control center or doctor.                              |
|                               | Do not give anything by mouth to an unconscious person.  |
| If in eyes:                   | <ul> <li>Hold eye open and rinse slowly and gently with water for 15-20<br/>minutes.</li> </ul>                  |
|                               | <ul> <li>Remove contact lenses, if present, after the first 5 minutes, then<br/>continue rinsing eye.</li> </ul> |
|                               | Call a poison control center or doctor for treatment advice.   |
| HOT LINE NUMBER               |  |

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.

NOTE TO PHYSICIAN - This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should oe avoided.

#### 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 WARNING

May be fatal if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. ENVIRONMENTAL HAZARDS: This pesticide is extremely toxic to fish and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not make applications when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct

treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are foraging the treatment area. The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.

See inside label booklet for additional Precautionary Statements and

## STORAGE AND DISPOSAL

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[For Commercial Uses]

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[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

Directions for Use.

Manufactured for: EPA Reg. No.: 92647-XX Tigris, LLC EPA Est. No.: \_ 1204 Village Market Place, #173 NET WEIGHT: \_\_ Morrisville, NC 27560

**Batch Code:**