Soil Injection:

Apply to individual plants using (3 to 6 mL) per inch dosage.

**THE EXCLUSIVE**

**Triple rinse** (or)

**CROP PEST DOSAGE**

**Garant™ T&O 2F REMARKS**

For use only in and around industrial and commercial buildings and residential areas, and state, national, and private wooded and forested areas for the insect:

- Armored scales (suppression)
- Aphids
- (including elm and viburnum leaf beetles)
- (including bronze birch and alder borer)

**Mix required dosage in sufficient water to inject an equal amount of solution in each** injection holes evenly around the base of the tree trunk no more than 6 to 12 inches beneath the drip line of the tree extending in from that line.

**BASAL SYSTEM:**

Space for Control of Specified Borers:

Remove plastic or any other barrier that will stop solution from reaching the rootzone.

**For Control of Specified Borers:**

- Black vine weevil larvae

**RECOMMENDED APPLICATIONS**

* Use on pecans not permitted in California unless directed by specific supplemental labeling.

Allow 10 or more days between applications. Allow at least 7 days between last application and harvest.

Do not apply more than 6.0 fluid ounces per acre in a single application. Do not make more than 5 applications.

For late season (preharvest) control of leafhopper species, apply Garant™ T&O 2F while most leafhoppers are in the nymphal stage.

For San Jose Scale, time applications to the crawler stage. Treat each generation.

For rosy apple aphid, apply prior to leafrolling caused by the pest.

For Control of San Jose Scale:

**Pome fruits**

**Pear**

**Mayhaw**

**Crabapple**

**CROP PEST DOSAGE**

**Rate per application**

<table>
<thead>
<tr>
<th>Pest</th>
<th>Rate per Application</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>San Jose scale</strong></td>
<td>6.0 fl oz/A</td>
</tr>
<tr>
<td><strong>Leafhoppers</strong></td>
<td>1.5 fl oz</td>
</tr>
<tr>
<td><strong>Leafminers</strong></td>
<td>3.0 fl oz/A</td>
</tr>
<tr>
<td><strong>Leafhoppers (including glassy-winged sharpshooter)</strong></td>
<td>6.0 fl oz/A</td>
</tr>
<tr>
<td><strong>Leaf beetles</strong></td>
<td>1.5 fl oz</td>
</tr>
<tr>
<td><strong>Black vine weevil larvae</strong></td>
<td>3.0 fl oz/A</td>
</tr>
<tr>
<td><strong>Pome fruits</strong></td>
<td>6.0 fl oz/A</td>
</tr>
<tr>
<td><strong>Pear</strong></td>
<td>1.5 fl oz</td>
</tr>
<tr>
<td><strong>Mayhaw</strong></td>
<td>3.0 fl oz/A</td>
</tr>
<tr>
<td><strong>Crabapple</strong></td>
<td>6.0 fl oz/A</td>
</tr>
</tbody>
</table>

**Apply specified dosage as a foliar spray using 200 gallons of water per acre. Do not apply more than a total of 6.0 ounces of Garant™ T&O 2F per acre per year.**

**Pesticide Disposal:**

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

**STOP:** Read the label before use.

Keep out of reach of children.

CAUTION
Soil Injection:
The directions for use of this product
Uniformly apply the dosage in no less than 10 gallons of water per

CHEMINOVA, INC.

CROP PEST DOSAGE Garant™ T&O 2F REMARKS

For use only in and around industrial and commercial buildings and residential areas, and state, national, and private wooded and forested areas for the insect

- Leafhoppers
- Japanese beetles
- Lace bugs
- Leaf beetles
- Emerald ash borer
- Armored scales (suppression)
- Aphids (including glassy-winged sharpshooter)
- (including elm and viburnum leaf beetles)
- (including bronze birch and alder borer)

RECOMMENDED APPLICATIONS

Not prevent the eventual loss of the trees due to existing pest damage and tree hole. Maintain a low pressure and use sufficient solution for distribution of the liquid into the treatment zone. For optimum control, keep the treated area moist for 7 to 10 days. Do not use less than 4 holes per tree.

For Control of Specified Borers:

Soil Drench:

- For San Jose Scale, time applications to the crawler stage. Treat each generation.
- For control of rosy apple aphid, apply prior to leafrolling caused by the pest.
- Apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. If application is made to established plants, optimum control will be attained if area is irrigated thoroughly after application.
- Apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. If application is made to established plants, optimum control will be attained if area is irrigated thoroughly after application.
- Do not apply more than a total of 18.0 fluid ounces of Garant™ T&O 2F per acre per year. Do not make more than 3 applications.
- The amount of Garant™ T&O 2F required per acre will depend on tree size and volume of foliage present. The rate per acre is based on a standard of 400 gallons
- Apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. If application is made to established plants, optimum control will be attained if area is irrigated thoroughly after application.
- Apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. If application is made to established plants, optimum control will be attained if area is irrigated thoroughly after application.
- Do not apply more than 6.0 fluid ounces per acre in a single application. Do not make more than 5 applications.
- The rate per acre is based on a standard of 400 gallons
- Apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. If application is made to established plants, optimum control will be attained if area is irrigated thoroughly after application.

Soil Drench:

- Do not apply more than 6.0 fluid ounces per acre in a single application. Do not make more than 5 applications.
- The rate per acre is based on a standard of 400 gallons
- Apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. If application is made to established plants, optimum control will be attained if area is irrigated thoroughly after application.

CROP PEST RATE PER APPLICATION

- For use only in and around residential areas.
- For use only in and around residential areas.
- For use only in and around residential areas.
- For use only in and around residential areas.
- For use only in and around residential areas.
- For use only in and around residential areas.
- For use only in and around residential areas.
- For use only in and around residential areas.
- For use only in and around residential areas.
- For use only in and around residential areas.

- For use only in and around industrial and commercial buildings and residential areas.
- For use only in and around industrial and commercial buildings and residential areas.
- For use only in and around industrial and commercial buildings and residential areas.
- For use only in and around industrial and commercial buildings and residential areas.

- Do not apply more than 6.0 fluid ounces per acre in a single application. Do not make more than 5 applications.
- The rate per acre is based on a standard of 400 gallons
- Apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. If application is made to established plants, optimum control will be attained if area is irrigated thoroughly after application.

RESTRICTIONS

- Do not apply more than 6.0 fluid ounces per acre in a single application. Do not make more than 5 applications.
- The rate per acre is based on a standard of 400 gallons
- Apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. If application is made to established plants, optimum control will be attained if area is irrigated thoroughly after application.

STORAGE AND DISPOSAL

- Do not apply more than 6.0 fluid ounces per acre in a single application. Do not make more than 5 applications.
- The rate per acre is based on a standard of 400 gallons
- Apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. If application is made to established plants, optimum control will be attained if area is irrigated thoroughly after application.

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-
Soil Injection:
Uniformly apply the dosage in no less than 10 gallons of water per

CHEMINOVAv, INC.

If you cannot read or understand English, do not use

THE EXCLUSIVE

Apply to individual plants using (3 to 6 mL) per inch dosage

..................................................................78.6%

CROP PEST DOSAGE Garant™ T&O 2F REMARKS

Flathead borers
Black vine weevil larvae
(3 to 6 mL) per inch

stress.

not prevent the eventual loss of the trees due to existing pest damage and tree

hole. Maintain a low pressure and use sufficient solution for distribution of the liquid into the treatment zone. For optimum control, keep the treated area moist for 7 to 10 days. Do not use less than 4 holes per tree.

Remove plastic or any other barrier that will stop solution from reaching the root zone.

For Control of Specified Borers:

Soil Drench:

No Soil Injection Applications Allowed in Nassau or Suffolk Counties of New

Remove plastic or any other barrier that will stop solution from reaching the root zone.

1000 square feet as a drench around the base of the tree, directed to the root

1.5 fl oz

per 1000 sq ft

1

For optimal control of mealybug, insure good spray coverage of the trunk and scaffolding limbs or other resting sites of the mealybug.

For San Jose Scale, time applications to the crawler stage. Treat each generation.

For control of rosy apple aphid, apply prior to leafrolling caused by the pest.

For Use only in and around industrial and commercial buildings and residential areas.

For Use only in and around residential areas.

RECOMMENDED APPLICATIONS

CONT'D

T&O 2F Insecticide to areas which are water

penetration into the root zone of the plant. Do not

area until dry. Avoid application of Garant™

RESTRICTIONS

cont'd

conditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Do not contaminate water, food, or feed

STORAGE AND DISPOSAL

Wastes resulting from

product container at once. By using this product, user or buyer accepts the following conditions, by following carefully. However, because of manner of

Disclaimer of Warranties and Limitations of liability before using this product.

You may contact Chemtrec at

You may contact Chemtrec at

You may contact Chemtrec at

Total: 100.0%

OTHER INGREDIENTS:

ACTIVE INGREDIENT:

NET CONTENTS 8.12 FL OZ (240mL)

EPA Est. No indicated by 2nd and 3rd digits of the batch number on this package. (19) = 3125-MO-1 (65) = 432-TX-1 (66) = 264-MO-02

EPA Reg. No. 432-1312-67760

*May be protected by U.S. Patent No. 4,742,060

You may contact Chemtrec at

You may contact Chemtrec at

You may contact Chemtrec at

CONDITIONS:
Soil Injection:
If you cannot read or understand English, do not use
GRID SYSTEM: Holes should be spaced on 2.5 foot centers, in a grid
Uniformly apply the dosage in no less than 10 gallons of water per

---

THE EXCLUSIVE
For use only in and around industrial and commercial buildings and residential areas, and state, national, and private wooded and forested areas for the insect

---

Leafminers
Mealybugs
Pine tip moth larvae
Psyllids
Royal palm bugs
Sawfly larvae
Soft scales
Thrips (suppression)
White grub larvae
Whiteflies

---

Leafhoppers
Japanese beetles
Lace bugs
Leaf beetles
Flathead borers
Aphids
(including bronze birch and alder borer)

---

(3 to 6 mL) per inch
do not exceed the adjuvant

---

1000 square feet as a drench around the base of the tree, directed to the root zone.

---

For Control of Specified Borers:

---

(14 to 17 mL)
3 to 6 mL)
0.1 to 0.2 fl oz
(45 mL) per 100 gal
1.5 fl oz
3.0 fl oz/A
1.5 fl oz
1.0 fl oz
1.0 fl oz

---

Apply specified dosage as a foliar spray using 200 gallons of water per acre. Do not apply more than a total of 6.0 ounces of Garant™ T&O 2F per acre per year.

---

The amount of Garant™ T&O 2F required per acre will depend on tree size and volume of foliage present. The rate per acre is based on a standard of 400 gallons

---

Apply foliar applications as pests begin to build before populations become extreme. Two applications at a 10 to 14 day interval may be required to achieve control.

---

Grapes
Leafhoppers (including glassy-winged sharpshooter)

---

For crops for which no tolerances for the active ingredient have been established, a 12-month plant-back interval should be observed.

---

Do not apply more than a total of 18.0 fluid ounces of Garant™ T&O 2F per acre per year. Do not make more than 3 applications.

---

Thorough uniform coverage of foliage is necessary for optimal control. Addition of an organosilicone-based spray adjuvant at a rate not to exceed the adjuvant

---

Do not apply more than a total of 6.0 ounces of Garant™ T&O 2F per acre per year. This product may be used on crops for which no tolerances for the active ingredient have been established

---

For crops not listed on an imidacloprid label, or with any crop for which a tolerance exists for the active ingredient.

---

Treated areas may be replanted with any crop

---

Do not graze treated areas or use clippings from

---

Do not contaminate water, food, or feed

---

Pesticide Disposal:

---

Wastes resulting from

---

The use of this product may be disposed of on

---

Use Care in Handling. Wear protective clothing as to prevent cross contamination with other pesticides, fertilizers, food, and feed.

---

IMPORTANT: READ BEFORE USE

---

STOP - Read the label before use.

---

Keep out of reach of children.

---

CAUTION
Soil Injection:
Apply to individual plants using (3 to 6 mL) per inch dosage. Application to trees already heavily infested may require a larger dosage. Uniformly apply the dosage in no less than 10 gallons of water per tree.

GRID SYSTEM: Holes should be spaced on 2.5 foot centers, in a grid pattern, extending to the drip line of the tree. BASAL SYSTEM: Space holes closer together, extending from the base to the drip line. CIRCLE SYSTEM: Apply in holes evenly spaced around the base of the tree, directed to the rootzone.

Soil Drench:
Remove plastic or any other barrier that will stop solution from reaching the rootzone. Apply the specified dosage as a foliar spray as needed after petal-fall is complete. For second and succeeding generations of leafminer, optimal control is obtained from applications made early in the season, before leaves are fully expanded. For crops not listed on an imidacloprid label, or with any crop for which a tolerance exists for the active ingredient, 1.5 fl oz/A is recommended for most conditions.

For use only in and around industrial and commercial buildings and residential areas, and state, national, and private wooded and forested areas. The amount of Garant™ T&O 2F required per acre will depend on tree size and volume of foliage present. The rate per acre is based on a standard of 400 gallons per acre. Apply the specified dosage as a foliar spray using 200 gallons of water per acre. Do not apply more than a total of 6.0 ounces of Garant™ T&O 2F per acre per year.

RECOMMENDED APPLICATIONS:
- Japanese beetles
- Lace bugs
- Leaf beetles
- Flathead borers
- Eucalyptus longhorned borer
- Emerald ash borer
- Mealybugs
- Armored scales (suppression)
- Aphids
- (including glassy-winged sharpshooter)

The use of this product may be disposed of on land at any time, without restriction. The use of this product is exempt from the requirements of 40CFR127.4(c) for agricultural use only on trees. Remove contents of used containers in accordance with the instructions on the container label. Keep container with contents intact and return to Cheminova, Inc. or offer for recycling or proper disposal.

**Limitations of Liability:**
ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT CHEMINOVIA, INC.'S ELECTION, THEREPLACEMENT OF PRODUCT. The user or buyer assumes all risks and responsibility for the use of this product. As a result, crop injury or ineffectiveness is not fully covered by warranty. This warranty or any implied warranty, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on the label or this material safety data sheet, are excluded.

**Pesticide Disposal:**
Wastes resulting from the use of this product may be disposed of on land at any time, without restriction. The use of this product is exempt from the requirements of 40CFR125.4 for agricultural use only on trees. The user or buyer may contact Chemtrec at 1-800-354-1276 to dispose of this product. Do not contaminate water, food, or feed by storage or disposal. Do not store food or feed within the same building as the pesticide.

**Important Information:**
- For use only in and around residential areas.
- For use only in and around industrial and commercial buildings and residential areas.
- For use only in and around residential areas, and state, national, and private wooded and forested areas.
- For use only in and around industrial and commercial buildings and residential areas, and state, national, and private wooded and forested areas.
- For use only in and around residential areas, and state, national, and private wooded and forested areas.
**GRID SYSTEM:** Holes should be spaced on 2.5 foot centers, in a grid pattern, extending to the drip line of the tree. CIRCLE SYSTEM: Apply in holes evenly around the base of the tree trunk no more than 6 to 12 inches in depth. Maintain a low pressure and use sufficient solution for distribution of the liquid into the treatment zone. For optimum control, keep the treated area moist for 7 to 10 days. Do not use less than 4 holes per tree.

<table>
<thead>
<tr>
<th>CROP PEST RATE PER APPLICATION</th>
<th>NET CONTENTS 8.12 FL OZ (240mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RECOMMENDED APPLICATIONS</strong></td>
<td><strong>ACTIVE INGREDIENT:</strong></td>
</tr>
<tr>
<td><strong>Garant T&amp;O 2F</strong></td>
<td><strong>Imidacloprid</strong></td>
</tr>
<tr>
<td><strong>CROP PEST RATE PER APPLICATION</strong></td>
<td><strong>CONCENTRATION</strong></td>
</tr>
<tr>
<td><strong>San Jose scale</strong></td>
<td>0.46 to 0.6 fl oz per acre</td>
</tr>
<tr>
<td><strong>Mealybugs</strong></td>
<td>0.1 to 0.2 fl oz per acre</td>
</tr>
<tr>
<td><strong>Leafminers</strong></td>
<td>0.6 fl oz per acre</td>
</tr>
<tr>
<td><strong>Pine tip moth larvae</strong></td>
<td>0.6 fl oz per acre</td>
</tr>
<tr>
<td><strong>Sawfly larvae</strong></td>
<td>1 fl oz per acre</td>
</tr>
<tr>
<td><strong>Soft scales</strong></td>
<td>2 fl oz per acre</td>
</tr>
<tr>
<td><strong>Thrips (suppression)</strong></td>
<td>1 fl oz per acre</td>
</tr>
<tr>
<td><strong>White grub larvae</strong></td>
<td>2 fl oz per acre</td>
</tr>
<tr>
<td><strong>Whiteflies</strong></td>
<td>1 fl oz per acre</td>
</tr>
</tbody>
</table>

**STORAGE AND DISPOSAL**
- Store in original container and out of the reach of children, preferably in a locked location.
- Do not contaminate water, food, or feed by storage or disposal.
- Do not apply more than 6.0 fluid ounces per acre in a single application. Do not make more than 5 applications.
- Do not apply more than a total of 18.0 fluid ounces of Garant™ T&O 2F per acre per year. Do not make more than 3 applications.
- Allow at least 14 days between applications. Applications may be applied up to and including day of harvest.
- Apply specified dosage as a foliar spray using 200 gallons of water per acre. Do not apply more than a total of 6.0 ounces of Garant™ T&O 2F per acre per year.

**Disclaimer of Warranties and Limitations of Liability**
- The user or buyer assumes all risks of personal injury and property damage, including loss of crops, other remedies, or damages of any nature which may result from the use of Garant™ T&O 2F. Any such risks are not the responsibility or liability of Cheminova, Inc.
- The user or buyer agrees that Cheminova, Inc. has made no warranties, representations, or guarantees regarding the use of this product, and that all such warranties, representations, or guarantees are disclaimed and denied.

**Container Disposal:**
- If the container is leaking or saturated, which will not allow puddling of irrigation water following treated areas for feed or forage. Avoid runoff or washoff in drainage water or storm sewers, ditches, brooks, rivers, or other bodies of water. Pesticides may kill aquatic life.
- For crops for which no tolerances for the active ingredient have been established, a 12-month plant-back interval should be observed.
- Do not apply on or near crops for which a tolerance exists for the active ingredient, or with any crop for which a tolerance exists for the active ingredient. For crops not listed on an imidacloprid label, or specified on an imidacloprid label, or with any crop for which a tolerance exists for the active ingredient.
- Cheminova, Inc. is always possible. All such risks shall be assumed by the user or buyer.

**EPA Reg. No. 432-1312-67760**

**Manufactured for:**
- Cheminova, Inc.

**Net Contents:**
- 8.12 FL OZ (240mL)

**IMPORTANT:** READ BEFORE USE
- Read the entire Directions for Use, Conditions, Disclaimers, Warnings, and Caution before using this product.
- If you cannot read or understand English, do not use this product. You may contact Chemtrec at 800-424-9300 for decontamination procedures or any other assistance that maybe necessary. You may also contact your local Health Department or Agriculture Department for information.

**PRECAUCION AL USUARIO:** Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada. Puede comunicarse con Chemtrec al 800-424-9300 para procedimientos de descontaminación, o cualquier otra asistencia que necesite. Puede también comunicarse con el Departamento de Salud o el Departamento de Agricultura de su localidad para obtener información.

**Disclaimer of Warranties and Limitations of Liability before using this product.**

**CAUTION**
SPP. Garant™ T&O 2F Insecticide

Harmful if swallowed or absorbed through the skin.

Not for use in commercial greenhouses,

Annual bluegrass spp.; Black turfgrass ataenius, and/or C. immaculata L

Larvae of:

- Take off contaminated clothing.
- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove and wash any contaminated clothing.
- Keep children or pets off treated area until spray is dry.
- Clean all equipment thoroughly with soap and water after handling. Keep material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Environmental Hazards

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling and with the Worker Protection Standard (WPS) and it is also a violation of Federal law to use this product in excess of the recommended usage rates listed on the label.
- The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.
- Do not contaminate water when disposing of equipment washwaters.
- Do not contaminate water by applying to blooming crops or weeds if bees are visiting the blooms or by allowing drift to contact blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds.
- If the product is applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Worker Protection Standard (WPS) USES:

- To enter the treated area, follow the worker protection procedures on the product label.
- When calling a poison control center or doctor, or going for treatment, mention that you were exposed to Garant™ T&O 2F Insecticide and provide the label number and description of any containers that may have been used.
- Call a poison control center or doctor for treatment advice.
- It is also recommended that you wash any contaminated clothing before reusing.

PRECAUTIONARY STATEMENTS:

- When using Garant™ T&O 2F Insecticide, take all necessary precautions to avoid accidental exposure of humans or animals. Keep children and pets off treated areas until spray is dry.
- When using Garant™ T&O 2F Insecticide, wash your hands thoroughly with soap and water after handling.

First Aid:

- In case of contact with eyes, do not rub. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- In case of contact with skin, wash with soap and water.
- In case of contact with clothing, remove contaminated clothing.
- In case of contact with respiratory system, get fresh air.
- In case of ingestion, do not induce vomiting; call a poison control center or doctor for treatment advice.
- In case of overexposure, get fresh air.

Agicultural Uses:

- Garant™ T&O 2F Insecticide can be used for suppression of cutworms and other soil-dwelling pests on turfgrass.
- Garant™ T&O 2F Insecticide can also be used for suppression of cutworms and other soil-dwelling pests on turfgrass.
- Garant™ T&O 2F Insecticide can be used as directed on turfgrass in sites such as home lawns, business and multi-family residential complexes, golf courses, airports, cemeteries, parks, playgrounds, athletic fields and sod farms.
- Garant™ T&O 2F Insecticide can be used for suppression of cutworms and other soil-dwelling pests on turfgrass.

CROP PEST DOSAGE Garant™ T&O 2F REMARKS

Japanese beetle

- 0.6 fl oz (17 mL)

Green June beetle

- 0.46 to 0.6 fl oz per 1000 sq ft

Billbug

- 0.46 to 0.6 fl oz

Chinch bugs (suppression)

- 0.46 to 0.6 fl oz

Leaf beetles (including elm and viburnum)

- 0.46 to 0.6 fl oz

Japanese beetle Larvae, Chafers

- 0.46 to 0.6 fl oz

Leafhoppers

- 0.46 to 0.6 fl oz

Leafhoppers

- 0.46 to 0.6 fl oz

Additional use directions:

- Applications should not be made when turfgrass experiences, current season adult trapping or other infestation to achieve optimum levels of control.
- Applications can be made preceding the egg laying period. The Insecticide has sufficient residual activity so that direct treatment or residues on blooming crops or weeds is required. Use equipment which 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
- Shirt and pants
- Shirt, pants, gloves, and shoes

For outdoor ornamentals, broadcast applications can be made preceding the egg laying period. The Insecticide has sufficient residual activity so that direct treatment or residues on blooming crops or weeds is required. Use equipment which 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
- Shirt and pants
- Shirt, pants, gloves, and shoes

Additional use directions:

- Applications can be made preceding the egg laying period. The Insecticide has sufficient residual activity so that direct treatment or residues on blooming crops or weeds is required. Use equipment which 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
- Shirt and pants
- Shirt, pants, gloves, and shoes

FOR USE ON TURFGRASS

- Garant™ T&O 2F Insecticide mixes readily with water and may be used in many types of application equipment. Mix product with the required amount of water and apply as desired dependent upon the selected use pattern.
- Applications should not be made when turfgrass experiences, current season adult trapping or other infestation to achieve optimum levels of control.
- Applications can be made preceding the egg laying period. The Insecticide has sufficient residual activity so that direct treatment or residues on blooming crops or weeds is required. Use equipment which is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

FOLLOW THE INSTRUCTIONS ON THE LABEL TO OBTAIN MAXIMUM CONTROL OF THE TARGET PESTS AND MINIMIZE DAMAGE TO NON-TARGET SPECIES.

ENVIRONMENTAL HAZARDS

APPLICATIONS

APPLICATION EQUIPMENT

Note: When spraying turfgrass, use an air-assisted sprayer with a flat fan nozzle. Tailoring the spray output to match the width of the nozzle is recommended.

APPLICATION TO TURF GRASS

RECOMMENDED APPLICATIONS

CROP PEST DOSAGE

REMARKS

NOTE:

To control Japanese beetles, use Garant™ T&O 2F Insecticide at the rate of 0.25 oz (7.5mL) per 1000 sq ft. Optimum control will be achieved when irrigation or rainfall occurs within 24 hours after application to move the active ingredient through the thatch. Do not apply to blooming crops or weeds if bees are visiting the weeds. Do not apply this product or allow it to drift to areas where surface water is present or to areas where surface water is present.

APPLICATION TO TURF GRASS

RECOMMENDED APPLICATIONS

CROP PEST DOSAGE

REMARKS

NOTE:

To control Japanese beetles, use Garant™ T&O 2F Insecticide at the rate of 0.25 oz (7.5mL) per 1000 sq ft. Optimum control will be achieved when irrigation or rainfall occurs within 24 hours after application to move the active ingredient through the thatch. Do not apply to blooming crops or weeds if bees are visiting the weeds. Do not apply this product or allow it to drift to areas where surface water is present or to areas where surface water is present.

APPLICATION TO TURF GRASS

RECOMMENDED APPLICATIONS

CROP PEST DOSAGE

REMARKS

NOTE:

To control Japanese beetles, use Garant™ T&O 2F Insecticide at the rate of 0.25 oz (7.5mL) per 1000 sq ft. Optimum control will be achieved when irrigation or rainfall occurs within 24 hours after application to move the active ingredient through the thatch. Do not apply to blooming crops or weeds if bees are visiting the weeds. Do not apply this product or allow it to drift to areas where surface water is present or to areas where surface water is present.

APPLICATION TO TURF GRASS

RECOMMENDED APPLICATIONS

CROP PEST DOSAGE

REMARKS

NOTE:

To control Japanese beetles, use Garant™ T&O 2F Insecticide at the rate of 0.25 oz (7.5mL) per 1000 sq ft. Optimum control will be achieved when irrigation or rainfall occurs within 24 hours after application to move the active ingredient through the thatch. Do not apply to blooming crops or weeds if bees are visiting the weeds. Do not apply this product or allow it to drift to areas where surface water is present or to areas where surface water is present.

APPLICATION TO TURF GRASS

RECOMMENDED APPLICATIONS

CROP PEST DOSAGE

REMARKS

NOTE:

To control Japanese beetles, use Garant™ T&O 2F Insecticide at the rate of 0.25 oz (7.5mL) per 1000 sq ft. Optimum control will be achieved when irrigation or rainfall occurs within 24 hours after application to move the active ingredient through the thatch. Do not apply to blooming crops or weeds if bees are visiting the weeds. Do not apply this product or allow it to drift to areas where surface water is present or to areas where surface water is present.

APPLICATION TO TURF GRASS

RECOMMENDED APPLICATIONS

CROP PEST DOSAGE

REMARKS

NOTE:

To control Japanese beetles, use Garant™ T&O 2F Insecticide at the rate of 0.25 oz (7.5mL) per 1000 sq ft. Optimum control will be achieved when irrigation or rainfall occurs within 24 hours after application to move the active ingredient through the thatch. Do not apply to blooming crops or weeds if bees are visiting the weeds. Do not apply this product or allow it to drift to areas where surface water is present or to areas where surface water is present.

APPLICATION TO TURF GRASS

RECOMMENDED APPLICATIONS

CROP PEST DOSAGE

REMARKS

NOTE:

To control Japanese beetles, use Garant™ T&O 2F Insecticide at the rate of 0.25 oz (7.5mL) per 1000 sq ft. Optimum control will be achieved when irrigation or rainfall occurs within 24 hours after application to move the active ingredient through the thatch. Do not apply to blooming crops or weeds if bees are visiting the weeds. Do not apply this product or allow it to drift to areas where surface water is present or to areas where surface water is present.
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Standard (40 CFR part 170) - in general, agricultural plant uses e.g., use in sod farms, must wear:

- **Reseal Glue Strip**
- **Gloves**
- **Shoes plus socks**

**WPS USES:**

Applicators and Other Handlers who handle the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements for training, decontamination, equipment washwaters.

In case of medical emergency call toll free 1-866-303-6950. Have a product container or label with you or clothing if on skin.

**If swallowed**

- Call a poison control center or doctor for treatment advice.
- Have ready the container or label with you.

**If on skin**

- Wash thoroughly with soap and water. If on the eyes:
  - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- If on the eyes:
  - Open the eyelids and rinse slowly and gently with water for 15 minutes.

**If inhaled**

- Get medical help right away.

**USER should:**

- Use personal protective equipment.
- Follow all directions and precautions on the label.
- Do not contaminate water when disposing of equipment washwaters.

**ENVIRONMENTAL HAZARDS**

- This chemical demonstrates the properties and treatment area.
- Do not apply directly to water, or to equipment, or irrigation equipment parts.
- Do not apply to areas during the restricted-entry interval (REI) of 12 hours.
- Do not apply to areas that have recently been treated within the previous 7 days.
- Do not apply to areas that may be contaminated within the previous 7 days.
- Do not contaminate water when disposing of equipment washwaters.

**DIRECTIONS FOR USE**

- Do not formulate this product into other end-invertebrates. Do not apply directly to water, or to equipment, or irrigation equipment parts.
- Do not apply to areas during the restricted-entry interval (REI) of 12 hours.
- Do not apply to areas that have recently been treated within the previous 7 days.
- Do not apply to areas that may be contaminated within the previous 7 days.
- Do not contaminate water when disposing of equipment washwaters.

**APPLICATION TO TURFGRASS**

- Garant™ T&O 2F Insecticide can be used as directed on turfgrass in sites such as home lawns, business and multi-family residential complexes, golf courses, airports, cemeteries, parks, playgrounds, athletic fields and sod farms.

**FOLIAR APPLICATIONS**

- FOLIAR APPLICATIONS

**NOTE:**

- Garant™ T&O 2F Insecticide mixes readily with other commonly used insecticides. Check physical compatibility in a small test area. Do not mix with any product containing copper or selenium.
- Do not apply through any irrigation system.
- Do not apply using a high pressure setting.
- For ground applications, use a spray volume of 1.25 to 1.6 pt per acre (14 to 17mL per 1000 sq ft).
- Applications must be made using the correct proportion of products in a small volume of water, not exceeding 1 gallon (3.8 liters) per 1000 sq ft.
- For broadcast applications, use 1.25 to 1.6 pt per acre (14 to 17mL per 1000 sq ft).
- When making soil applications to plants with foliage such as holly, pine, or ivy, the addition of a spreader/sticker is recommended. If concentrate or mist type spray equipment is used, an equivalent amount of product should be used on the area sprayed, as would be used in a dilute application.
- The active ingredient in Garant™ T&O 2F Insecticide has been found to be effective against a wide range of aphids, scale insects, thrips, whiteflies, leaf beetles, and Adelgids. It is also effective against Japanese beetle, billbugs, European Crane Fly, annual bluegrass weevil, white grub larvae, and Chinchbugs (suppression).

**Turf Grasses**

- White grub larvae
- Japanese beetle
- European Crane Fly
- Annual bluegrass weevil
- Billbugs
- Tipula paludosa
- Northern & Southern masked chafers, C. lurida
- Chinch bugs
- Oriental beetle
- Evergreens
- Flowers
- Ground covers
- Ornamentals

**APPLICATION TO ORNAMENTALS**

- Garant™ T&O 2F Insecticide is for use on Ornamentals, Turf Grasses, and Herbaceous Perennials.
- Use Garant™ T&O 2F to control aphids, scale insects, thrips, whiteflies, leaf beetles, and Adelgids. It is also effective against Japanese beetle, billbugs, European Crane Fly, annual bluegrass weevil, white grub larvae, and Chinchbugs (suppression).

- Refer to use directions specific for FLOWERS and GROUND COVERS concerning broadcast applications.
- Refer to use directions specific for TURFGRASS concerning broadcast applications.
- Refer to use directions specific for TURFGRASS concerning broadcast applications.

**APPLICATION TO HERBACEOUS PERENNIALS**

- Use Garant™ T&O 2F to control aphids, scale insects, thrips, whiteflies, leaf beetles, and Adelgids. It is also effective against Japanese beetle, billbugs, European Crane Fly, annual bluegrass weevil, white grub larvae, and Chinchbugs (suppression).

- Refer to use directions specific for FLOWERS and GROUND COVERS concerning broadcast applications.
- Refer to use directions specific for TURFGRASS concerning broadcast applications.
- Refer to use directions specific for TURFGRASS concerning broadcast applications.
Harmful if swallowed or absorbed through:

- Rinse skin immediately with plenty of water for 15 to 20 minutes.

Non-Agricultural Use

- Gloves • Shoes plus socks

Follow manufacturer's instructions for cleaning /...treated area.

Agricultural Use

- Billbugs, Ataenius spretulus
- Phyllophaga spp.; Black turfgrass ataenius, spp.; Annual bluegrass
- Larvae of: Anomala orientalis, Maladera castanea; May or June beetle,
Harmful if swallowed or absorbed through skin.

Not for use in commercial greenhouses, nurseries, or temples.

- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- If clothing is contaminated, remove clothing immediately. Cleanse with soap and water.
- Remove and replace contaminated clothing if possible. Begin treatment with soap and water.
- Start treatments prior to establishment of high pest densities. This includes pests such as:
  - Black turfgrass ataenius
  - Annual bluegrass
  - Rhizotroqus majalis
  - Larvae of: Cotinis nitida; Anomala orientalis
  - Garant™ T&O 2F Insecticide
  - and/or
  - Maladera castanea
  - Spherophorus
  - C. immaculata
  - and
  - spp. European Crane Fly
  - spp. Garant™ T&O 2F Insecticide

Worker Protection Standard (40 CFR part 170) - in general, only agricultural plant uses are covered by the WPS. Must wear:
- Gloves
- Shoes plus socks

If you wear washable clothes, keep materials such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, etc. separate from other laundry. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

FIRST AID

- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

No specific antidote is available. Treat the patient symptomatically.

In case of medical emergency call toll free 1-866-303-6950. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

WARNING: Ingestion may cause death. Not for use in horticultural production.

Chemical resistant gloves made of any material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, etc. or products used for the application of turfgrass insecticides. Check physical compatibility with other liquid products. Contact the manufacturer of other products for information on compatibility. A 1-week pre-treatment is recommended to reduce any drift into non-target areas. 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.

Do not apply this product in a manner inconsistent with its labeling. This product is highly toxic to aquatic organisms. Use only as directed.

1.5 oz (45mL)

For use only in and around industrial and commercial buildings and residential areas.

Be sure to read “APPLICATION EQUIPMENT” Section of this label.

APPLICATION TO TURFGRASS

- For suppression of chinchbugs, make application prior to the hatching of the first instar nymphs. For control of mole crickets make application prior to or during the peak egghatch period. When adults or nymphs are observed, the application should be accompanied by a curative insecticide. Follow label instructions for other insecticides when tank-mixing.
- Insecticidal bait applications can also be used for suppression of cutworms and thrips (suppression).
- For the control of larval pests, broadcast sprays can be used, with a whip nozzle, to reduce drift into non-target areas. When applying treatment near the treated edge, use a duster or ground atomizer. A 1-week pre-treatment is recommended to reduce any drift into non-target areas. This product can also be used for suppression of cutworms and thrips (suppression).
- This product can also be used for suppression of cutworms and thrips (suppression). Applications can be made preceding the egg laying period. For suppression of leafminer adults, broadcast sprays can be used, with a whip nozzle, to reduce drift into non-target areas. A 1-week pre-treatment is recommended to reduce any drift into non-target areas.

RECOMMENDED APPLICATIONS

- Ornamentals in commercial and residential landscapes and interior plantscapes.
- Ground covers
- Flowers
- Evergreens
- Trees
- CROP PEST DOSAGE
- evening webworms
- jojoba webworms
- leaf beetles
- leafhoppers
- leafhoppers (including glassy-winged sharpshooter)
- mealybugs
- psyllids
- sawfly larvae
- thrips (suppression)
- whiteflies
- Oriental beetle

REMARKS

- 0.46 to 0.6 fl oz
- 1.5 oz (45mL)
- uniform calibration equipment normally accurately calibrated equipment normally distributes in the treated area. The use of
  - sufficient water to provide adequate distribution in the treated area. The use of

APPLICATIONS TO ORNAMENTALS

- broadcast sprays.
- Foliar applications offer locally systemic activity against insect pests.
- uniform calibration equipment normally accurately calibrated equipment normally distributes in the treated area. The use of
  - sufficient water to provide adequate distribution in the treated area. The use of

APPLICATIONS TO CROP PESTS

- broadcast sprays.
- Foliar applications offer locally systemic activity against insect pests.
Harmful if swallowed or absorbed through skin. Applicators and other handlers who may come into contact with this product must wash thoroughly with soap and water after handling.

- Garant™ T&O 2F Insecticide targets Popillia spp.; Black turfgrass ataenius, Hyperodes spp.; Annual bluegrass P. annua, Sporobolus spp.; Dallisgrass S. vaginatus, Rhizotroqus majalis; and others.

Start treatments prior to establishment of high pest population, and mole crickets, Hyperodes spp.

Mix required amount of product in sufficient water to thoroughly wet the area to be treated. Use equipment which accurately calibrated equipment normally used for the application of turfgrass insecticides is required. Use equipment which is compatible with commonly used fungicides, herbicides and miticides.

**USER SAFETY RECOMMENDATIONS**

**FIRST AID**

- If in eyes, rinse immediately with large amounts of water for at least 15 minutes. If irritation persists, call a poison control center or doctor for treatment advice.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

- If on skin, wash thoroughly with soap and water.
- Have person sip a glass of water if able to swallow.
- Call a poison control center or doctor for treatment advice.

**NOTES:**

- Use of this product may result in groundwater contamination.
- Keep children and pets off treated area until use of this product is complete, or from any residual effects.
- White grub larvae, adults, Chafers, Japanese beetles, leaf beetles, lace bugs, leafhoppers, mealybugs, Psyllids, Sawfly larvae, Thrips (suppression), Whiteflies, sharpshooter (including glassy-winged sharpshooter).

**APPLICATION REQUIREMENTS**

- The Worker Protection Standard, 40 CFR part 170. This Standard requires minimum worker protection when using products that are permitted under the Worker Protection Standard and that involve contact with anything that has been treated, such as plants, soil, or water.

- The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**APPLICATION TO TURFGRASS**

- Grass turfgrass species to control of soil inhabiting pests of turfgrass, such as white grubs, chafers, Japanese beetles, leaf beetles, leafhoppers, mealybugs, psyllids, sawfly larvae, thrips (suppression), whiteflies, sharpshooter (including glassy-winged sharpshooter).

- Applications should not be made when turfgrass populations are low. Applications can then be supplemented with residual sprays, bait placements or other ant attraction control measures.

- When making soil applications to plants with woody stems, systemic activity will be translocated throughout the plant. In some ornamentals to limit the honeydew available as a food source for aphids, whiteflies, and other sucking pests on ornamentals.

- Do not apply through any irrigation system. Applications should be made prior to anticipated pest population.

- For outdoor ornamentals, broadcast application prior to egg hatch of the target pest.

**RECOMMENDED APPLICATIONS**

<table>
<thead>
<tr>
<th>Plantscape</th>
<th>Flowers</th>
<th>Ground Covers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trees</td>
<td>Flowers</td>
<td>Ground Covers</td>
</tr>
<tr>
<td>White grub larvae, adults,</td>
<td>Japanese beetles</td>
<td></td>
</tr>
<tr>
<td>Chafers, Japanese beetles, leaf</td>
<td>Leaf beetles</td>
<td></td>
</tr>
<tr>
<td>beetles, leafhoppers, mealybugs,</td>
<td>Lace bugs</td>
<td></td>
</tr>
<tr>
<td>Psyllids, Sawfly larvae,</td>
<td>Japanese beetles</td>
<td></td>
</tr>
<tr>
<td>Thrips (suppression), Whiteflies</td>
<td>Leaf beetles</td>
<td></td>
</tr>
</tbody>
</table>

**FOR USE ON TURFGRASS**

- Do not apply more than 2 applications per season.
- For optimum control, irrigation or rainfall should occur within 24 hours after application to move the active ingredient through the thatch. Do not apply more than 2 applications per season.