For control of listed insects infesting certain field, fruit, nut and vegetable crops.

ACTIVE INGREDIENTS:

- Chlorpyrifos: o,o-diethyl, o-(3,5,6-trichloro-2-pyridinyl) phosphorothioate. 30.00%
- Gamma-cyhalothrin: cyclopropanecarboxylic acid, (2-chloro-3,3,3-Trifluoro-1-propenyl)-2,2-dimethyl, cyano (3-phenoxyphenyl) methyl ester. 0.99%

OTHER INGREDIENTS: 69.01%

TOTAL: 100.00%

Contains 2.5 lb chlorpyrifos and 0.083 lb gamma-cyhalothrin per gallon. Contains petroleum distillate.

KEEP OUT OF REACH OF CHILDREN

WARNING

AL USUARIO: Si usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle.

TO THE USER: If you do not understand the label, find someone to explain it to you in detail)

IN CASE OF MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL TOLL FREE, DAY OR NIGHT, 1-866-303-6950

Read the entire label before using this product.
Use only according to label instructions.
Read the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, and LIMITATION OF REMEDIES before buying or using.
If terms are not acceptable, return product unopened without delay.

SEE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND USE DIRECTIONS

EPA Reg. No.: 67760-112
EPA Est. No.: 4787-DNK-001

Manufactured for:
Cheminova, Inc.
One Park Drive, Suite 150
P.O. Box 110566
Research Triangle Park, NC 27709
www.cheminova.us.com

Net Contents: 2.5 gallons

® Registered Trademark of Cheminova
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed. Causes substantial but temporary eye injury or skin irritation. Harmful if absorbed through skin or inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing dust, vapor or spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of barrier laminate and Viton. For more information, follow instructions in Supplement Three of PR Notice 53-7. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

Mixers and loaders using a mechanical transfer loading system and applicators using aerial application equipment must wear:

- long-sleeved shirt and long pants;
- chemical-resistant apron;
- chemical-resistant apron; and:
- a NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any R, P, or HE filter.

See Engineering Controls for additional requirements.

All other mixers, loaders, applicators and handlers must wear:

- coveralls over long-sleeved shirt and long pants;
- chemical-resistant gloves;
- chemical-resistant apron when mixing or loading or exposed to the concentrate;
- chemical-resistant footwear;
- chemical-resistant headgear for overhead exposures; and:
- a NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any R, P, or H E filter.

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

ENGINEERING CONTROLS

Mixers and loaders supporting aerial applications must use a mechanical transfer system that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(b)(6)] for all pesticides and dust.

- wear the personal protective equipment required above for mixers/loaders;
- wear protective eyewear if the system operates under pressure, and;
- be provided and have immediately available for use in an emergency, such as a broken package, spill, or equipment breakdown: coveralls, chemical-resistant footwear and chemical-resistant headgear if overhead exposure.

Plots must use an enclosed coater in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(b)(6)].

Use of human flaggers is prohibited. Mechanical flagging equipment must be used.

When handlers use closed cab motorized ground application equipment in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(b)(6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

STORAGE AND DISPOSAL

CONTAINER HANDLING AND DISPOSAL: Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in secured dry storage area. Protect against strong heat from sunlight or other source. Prevent cross-contamination with other pesticides and fertilizers. Do not store above 100°F for extended periods of time. Storage below 20°F may result in formation of crystals. If product crystallizes, store at 50 to 70°F and age to melt to liquidus crystals. If container is damaged or if the pesticide is leaking or has been spilled, use product immediately or dispose of product and damaged containers as indicated below.

PESTICIDE DISPOSAL: To avoid wastes, use all materials in this container by according to labeling instructions.

Nonrefillable containers equal to or less than 1 gallons:
- Do not reuse or refill this container. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, by incineration, or by other procedures allowed by state and local authorities.
- Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Fill the container ¾ 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. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upright during over application equipment or mix tank or collect residue for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at rate of not less than 0.5 gallons per minute for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.
- Discard container after emptying.

FIRST AID

IF IN EYES:
Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF 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 a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN:
Wash skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. Administer atropine sulfate in large doses. TOW to FOUR mg intravenously or intramuscularly as soon as possible in the emergency setting. Repeat at 0 to 10 minute intervals until signs of anticholinesterase action appear. 2-PAM chloridene is a pharmacological antidote and may be administered as an adjunct to, but not a substitute for, atropine, which is a symptomatic and often life-sustaining treatment. DO NOT GIVE KETOPINE OR TRANSDUCER. At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of chlorpyrifos may occur and edema may occur after initial improvement. VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS. Contains pentobarbital – vomiting may cause aspiration pneumonia.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, small mammals, birds and bees. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated soils may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treated area.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

DIRECTIONS FOR USE

RESTRICTED USE PESTICIDE

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

Read all Directions for Use carefully before applying. 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 questions about your State or Tribe, consult the appropriate agricultural pesticide. This product cannot be reformulated or repackaged into other end-use products.

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, certification, notification, and emergency assistance. It also contains specific instructions and exemptions pertaining to the statement on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to use of this product that are covered by the Worker Protection Standard.

Do not enter or allow entry into treated areas during the restricted entry interval (REI). The REI for each crop is listed in the directions for use associated with each crop.

Exception: If the product is soil-injected or soil-incorporated, 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. Certified crop advisors or persons entering under their direct supervision under certain circumstances may be exempt from the early re-entry requirement pursuant to 40 C.F.R Part 170.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and does not contact with anything that has been treated.

Certified crop advisors or persons entering under their direct supervision under certain circumstances may be exempt from the early re-entry requirement pursuant to 40 C.F.R Part 170.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and does not contact with anything that has been treated.

Certified crop advisors or persons entering under their direct supervision under certain circumstances may be exempt from the early re-entry requirement pursuant to 40 C.F.R Part 170.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and does not contact with anything that has been treated.

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STORAGE AND DISPOSAL (continued)

Nonrefillable containers greater than 5 gallons:
Do not reuse or refill this container. Offer for recycling if available, or puncture and dispose of in a sanitary landfill for incineration, or by other procedures allowed by state and local authorities. Triple rinse container 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 1/4 full with water and recap. Shake for 10 seconds. Pour rinse into application equipment or a mix tank or store rinse for later use or dispose. Repeat this process two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or a mix tank or collect rinse for later use or disposal. Insert pressure rinse nozzle into the side of the container, and rinse for about 40 psi for at least 30 seconds. Drain 10 seconds after the flow begins to drip. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Refillable containers 5 gallons or larger: Refill this container with pesticide only. Do not reuse the container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the retailer. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill container about 1/10 full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or microliterate water with the pump for two minutes. Pour or pump rinse into application equipment or rinseout collection system. Repeat this rinsing procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

PRODUCT INFORMATION

BOLTON™ insecticide is an emulsifiable concentrate for use in listed crops. It resists washoff once dry. Target pests and application rates are listed in crop specific tables below.

USE PRECAUTIONS

Applying at low spray volumes under high temperature and wind conditions may reduce insect control. Unusually cool conditions may cause some reduction in insect control.

Flood Irrigation: To avoid contamination of irrigation tail waters, do not flood irrigate within 24 hours following a soil surface or foliar application of Bolton.

SPRAY DRIFT MANAGEMENT

Ground Boom Application

The following mandatory spray drift best management practices are required to reduce the likelihood of off-target movement from ground applications.

1. Choose only nozzles and pressures that produce a medium or coarse droplet size (250-400 microns volume median diameter), per AEPA Standard 572. See manufacturer’s catalog or USDA/NAAA Applicator’s Guide for spray size quality ratings.
2. Apply with nozzle height no more than 4 feet above the ground or crop canopy.
3. Do not apply product when wind speed exceeds 15 mph as measured by an anemometer.

Orchard Airblast Application

The following mandatory spray drift best management practices are required to reduce the likelihood of off-target movement from aerial applications.

1. Nozzles must be directed so spray is not projected past the canopy.
2. Only apply when wind speed is 3 to 15 mph at the application site as measured by an anemometer outside of the orchard/vineyard on the upwind side.
3. Outward pointing nozzles must be shut off when turning corners at row ends and when spraying the outer two rows.

The operator should take into account the following best management practices to reduce off-spray drift. This site application is advisory and does not supersede mandatory label requirements.

1. Number of nozzles, nozzle orientation, and spray volume, air speed and wind direction are key factors in adjusting airblast spray delivery to match the height and density of the crop canopy. Airlift equipment should be adjusted to provide uniform coverage while minimizing the amount of spray movement over the top or completely through the crop canopy.

Broad Applications: High air volumes deliver spray more efficiently than air at high speed. Reducing forward travel speed decreases the air speed necessary to deliver the spray to the canopy. Use air agitation with a mix tank or continuous flow recirculation system to achieve uniform coverage when spraying apply rates are less than 1 gallon per acre.

Triplet rinse as follows: Empty the remaining contents into application equipment or a mix tank of any fertilizer or chemical residues, and dispose of the residues according to local regulations.

Use air guidance with the number and orientation of spray nozzles to achieve the desired spray coverage and directional control.

The following steps should be taken to minimize drift and the amount of non-target spray:

1. Orient nozzles and adjust air speed/volume/direction to force the spray through the canopy but not allow drift past the canopy.
2. Shut off spray delivery when passing gaps in crop canopy within rows.
3. Spray the outside rows of orchards from outside in, directing the spray into the orchard and spraying the outer two rows and shutting off nozzles on the side of the sprayer away from the orchard.
4. When treating smaller trees, vines or bushes, shut off top nozzles to minimize over-the-top spray movement.

APPLICATION DIRECTIONS

Broadcast Foliar Application

Apply with conventional powered or powered-sprayed equipment using nozzles and spray pressures recommended for insecticides. Apply BOLTON™ insecticide in a spray volume of not less than 2 gallons per acre for aerial application equipment (wing or helicopter) or not less than 10 gallons per acre for ground equipment, unless otherwise specified. Increase spray volume to ensure adequate coverage with increased density and height of crop canopy. See Spray Volume and Coverage Section for recommendations on spray size.

Ground Boom: The application rate is the same as that recommended for broadcast application. Use the area recommended for foliar application, not the area recommended for aerial application. The application rate is the same as that recommended for broadcast application.

APPLICATION DIRECTIONS

Broadcast Foliar Application

Apply with conventional powered-sprayed equipment using nozzles and spray pressures recommended for insecticides. Apply BOLTON™ insecticide in a spray volume of not less than 2 gallons per acre for aerial application equipment (wing or helicopter) or not less than 10 gallons per acre for ground equipment, unless otherwise specified. Increase spray volume to ensure adequate coverage with increased density and height of crop canopy. See Spray Volume and Coverage Section for recommendations on spray size.

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APPLICATION DIRECTIONS

Broadcast Foliar Application

Apply with conventional powered-sprayed equipment using nozzles and spray pressures recommended for insecticides. Apply BOLTON™ insecticide in a spray volume of not less than 2 gallons per acre for aerial application equipment (wing or helicopter) or not less than 10 gallons per acre for ground equipment, unless otherwise specified. Increase spray volume to ensure adequate coverage with increased density and height of crop canopy. See Spray Volume and Coverage Section for recommendations on spray size.

Ground Boom: The application rate is the same as that recommended for broadcast application. Use the area recommended for foliar application, not the area recommended for aerial application. The application rate is the same as that recommended for broadcast application.
**CROP USES**

**ALFALFA**

**Foliar Application Including Chemigation:** Apply as a broadcast foliar spray using aircraft or ground spray equipment. Use a higher rate in the rate range when there is increased pest pressure. Consult your state agricultural experiment station, extension service specialist, or integrated pest control advisor for proper time to treat in your area.

### Foliar Application

Apply with conventional power-operated spray equipment in 20 to 150 gpa of water. Use higher rate in the rate range when there is increased pest pressure. Consult your state agricultural experiment station, extension service specialist, or integrated pest control advisor for proper time to treat in your area.

**Specific Use Precautions:**

- **Worker Restricted Entry Interval:** Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours unless PPE required for early entry is worn.

**Specific Use Restrictions:**

- **Preharvest Interval:** Do not cut or graze treated alfalfa within 7 days after application of 9-18 fl oz per acre of BOLTON within 14 days after application of 9-18 fl oz per acre, or within 21 days after application of rates above 18 fl oz per acre.
- **Do not make more than 4 applications per season of BOLTON or other product containing chloropyrifos or apply any product containing chloropyrifos more than once per alfalfa cutting.**
- **Do not make a second application of BOLTON or other product containing chloropyrifos within 10 days of the first application.**

**BRUSSELS SPROUT**

Apply by foliar application using aircraft or ground spray equipment. Do not exceed the maximum application rate of air per acre per year allowed by using other gamma-cyhalothrin or lambda-cyhalothrin containing products. The maximum rate allowed for use in both gamma-cyhalothrin and lambda-cyhalothrin containing products are applied during the same crop growing season can be calculated based upon the listed maximum rates in the following tables:

<table>
<thead>
<tr>
<th>Crop</th>
<th>Gamma-Cyhalothrin (lb ai/acre/year)</th>
<th>Lambda-Cyhalothrin (lb ai/acre/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa</td>
<td>0.09</td>
<td>0.12</td>
</tr>
<tr>
<td>Brussels sprout</td>
<td>0.12</td>
<td>0.24</td>
</tr>
<tr>
<td>Caper</td>
<td>0.12</td>
<td>0.24</td>
</tr>
<tr>
<td>Corn</td>
<td>0.06</td>
<td>0.12</td>
</tr>
<tr>
<td>Colza</td>
<td>0.06</td>
<td>0.12</td>
</tr>
<tr>
<td>Langou</td>
<td>0.04</td>
<td>0.08</td>
</tr>
<tr>
<td>Soybean</td>
<td>0.03</td>
<td>0.06</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0.1</td>
<td>0.2</td>
</tr>
<tr>
<td>Tree nuts</td>
<td>0.08</td>
<td>0.16</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.03</td>
<td>0.06</td>
</tr>
</tbody>
</table>

When the maximum application rate of gamma-cyhalothrin is reached, no lambdacyhalothrin product can be used. The lambdacyhalothrin quantity can be divided by 2 to calculate the total ai used based upon gamma-cyhalothrin.

**CONIFER AND DECIDUOUS TREES (PLANTATIONS ONLY)**

### Foliar Application

Apply BOLTON as required by scouting to control exposed foliage. For low volume sprayers, dilute 51 fl oz of BOLTON per 100 gallons of water and apply 100 gallons of finished spray volume per acre. For high volume sprayers, dilute 51 fl oz of BOLTON per 100 gallons of water and apply 50 gallons of finished spray volume per acre.

**Specific Use Precautions:**

- **Worker Restricted Entry Interval:** Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours unless PPE required for early entry is worn.

### Target Pests

<table>
<thead>
<tr>
<th>Pest (Groups)</th>
<th>BOLTON (fl oz/acre)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aphids</td>
<td>4</td>
</tr>
<tr>
<td>Pine needle scale (1)</td>
<td>122 fl oz/100 gal</td>
</tr>
<tr>
<td>Pine tortoise scale (1)</td>
<td>122 fl oz/100 gal</td>
</tr>
<tr>
<td>Spruce budworm</td>
<td>122 fl oz/100 gal</td>
</tr>
<tr>
<td>Pales weevil (2)</td>
<td>122 fl oz/100 gal</td>
</tr>
</tbody>
</table>

**Numbers in parenthesis (1) refer to Pest-Specific Use Directions.**

1. For scale central apply when scale crawlers are active.
2. Apply as a cull drum drench.
3. **Coneworm/Seed Bug/Thrips spp., in Seed Orchards:**
   - For high volume sprayings, dilute 21 fl oz of BOLTON per 100 gallons of water and apply 5 to 10 gallons of finished spray per tree.
   - For low volume sprayings, dilute 51 fl oz of BOLTON per 100 gallons of water and apply 100 gallons of finished spray volume per acre.
**TARGET PESTS**

### At-Plant® 2-band Application

Apply as a 1-foot-wide band in fields with no more than 30% cover of crop residue remaining on the soil surface. Apply BOLTON at a rate of 2.3 fl oz per 1000 linear feet of row (0.1 fl oz per acre) with 40-inch row spacing in a minimum spray volume of 5 gpa. Position a flat fan nozzle over the open seed furrow immediately behind the planter shoe, in front of the planter wheel, and adjust to provide a 4 to 6-inch band centered over the row. Incorporate into the top 1 inch of soil using tines, chisel, or other suitable equipment.

The following table provides equivalent application rates for various row spacings when BOLTON is applied at the rate of 2.3 fl oz per 1000 linear feet of row (0.1 fl oz per acre with 40-inch row spacing) in a minimum spray volume of 5 gpa. Position a flat fan nozzle over the open seed furrow immediately behind the planter shoe, in front of the planter wheel, and adjust to provide a 4 to 6-inch band centered over the row. Incorporate into the top 1 inch of soil using tines, chisel, or other suitable equipment.

### Farmer Application Including Chemigation

Apply as a broadcast foliar spray using sufficient spray volume to ensure thorough coverage of treated plants, but no less than 10 gpa for ground spray equipment or 2 gpa for aircraft equipment. Increase the spray volume when foliage is dense and/or pest population is high and/or under high temperature and wind conditions. Treat when field counts indicate damaging insect populations are developing or present. BOLTON may be applied through sprinkler irrigation systems at listed broadcast application rates to control listed foliar pests. See Chemigation (Sprinkler Irrigation) section for application instructions.

Proper application methods are necessary to ensure thorough spray coverage and correct rate, and minimize off-target drift. Follow Application Guidelines for ground and aerial application and Spray DfM Management recommendations in General Information section of this label.

### All States Except Arizona and California

Equivalent application rates for various row spacings when BOLTON is applied at the rate of 2.3 fl oz per 1000 linear feet of row (0.1 fl oz per acre with 40-inch row spacing) in a minimum spray volume of 5 gpa. Position a flat fan nozzle over the open seed furrow immediately behind the planter shoe, in front of the planter wheel, and adjust to provide a 4 to 6-inch band centered over the row. Incorporate into the top 1 inch of soil using tines, chisel, or other suitable equipment.

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### Sprayer Calibration Information for Band Application:

**Fluid Ounces of Spray Required Per 100 Feet of Row for Various Row Spacings and Spray Volumes**

### TARGET PESTS

#### COTTON

- **Cabbage looper**, **cotton aphid**, **cotton leafhopper**, **cutworms**, **earwigs**
- **bollworm (2)**, **cotton aphid**, **cotton fleahopper (1)**, **cotton leafworm**, **cutworms**, **plant bugs**
- **heat**, **larval armyworm**, **larval bollworm**, **larval cutworm**, **larval diamondback moth**
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- **heat**, **larval armyworm**, **larval bollworm**, **larva...
Worker Restricted Entry Interval: Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours unless PPE required for early entry is worn.

Post-Specific Use Directions:

1. Sulfur mimic: When treating crops with any commercial formulation containing BOLTON™ insecticide per acre starting at bud swell.

2. To control grasshoppers, European corn borer, and lesser corn bollworm, use a higher rate in the rate range when there is increased pest pressure.

3. Do not allow meat and dairy animals to graze in treated orchards.

Specific Use Restrictions:

- Do not apply more than 26 fl oz of BOLTON per acre or within 60 days after application of rates above 26 fl oz per acre.
- Do not apply more than 15 fl oz per acre per season once crop is in soft dough stage.
- Do not make a second application of BOLTON or other product containing chlorpyrifos within 10 days of the first application.
- Do not apply more than 77 fl oz of BOLTON per acre per season.
- Do not apply more than 15 fl oz of BOLTON per acre starting at bud swell.
- Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours unless PPE required for early entry is worn.

Specific Use Restrictions:

- Do not apply more than 69 fl oz of BOLTON™ insecticide per acre after bloom initiation or 36 fl oz per acre per season.
- Do not make more than 3 applications per season of BOLTON or other products containing chlorpyrifos.
- Do not make a second application of BOLTON or other products containing chlorpyrifos within 10 days of the first application.
- Do not allow meat or dairy animals to graze in treated areas.

TREES NUTS (Foliar Sprays)

Foliar Application

Apply BOLTON at the dosages indicated by application as a foliar spray to control pests listed in the following table. Use the dosage in sufficient water to ensure thorough and complete coverage of the foliage and trunk. Do not apply as a concentrate or dilute spray using conventional, powered-spray equipment. For dilute sprays applied as a 10 to 14 day apart. Use a higher rate in the rate range when there is increased pest pressure. Chlorpyrifos+Gamma-cyhalothrin may be applied through sprinkler irrigation systems at listed broadcast application rates to control listed foliar pests. See Chemistry (sprinkler irrigation) section for application instructions.

Worker Restricted Entry Interval: Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours unless PPE required for early entry is worn.

Post-Specific Use Directions:

1. For control of splitleaf, use a dosage of 31 fl oz per acre for concentrate sprays.
2. Do not apply more than 26 fl oz of BOLTON per acre or within 60 days after application of rates above 26 fl oz per acre.
3. For best control of Phylloxera spp., make 2 applications at a 10-day interval using a minimum of 31 fl oz of BOLTON™ insecticide per acre starting at bud swell.
4. For suppression of pecan leaf scorch mite, use a preventative program.

Specific Use Precautions:

- BOLTON is highly toxic to bees exposed to direct treatment. Do not apply when bees are foraging in the treated area.
- To avoid contamination of irrigation tail waters, do not flood irrigate within 24 hours of application of BOLTON.
- Do not apply more than 14 days of harvest of almonds, filberts and walnuts, or 28 days of harvest of pecans.
- Do not apply more than 80 fl oz of BOLTON per acre as a foliar spray.
- Do not make more than 3 total applications per season of BOLTON or other products containing chlorpyrifos to almonds, pecans and filberts and no more than 2 applications per season on walnuts.
- Do not make a second application of BOLTON or other product containing chlorpyrifos within 10 days of the first application.
- Do not allow meat or dairy animals to graze in treated orchards.

TREES NUTS

Apply as a dormant or delayed dormant spray. While BOLTON may be used without oil, oil is recommended to control additional pests. See precautions for use of oil below. Apply as a concentrate or dilute spray using conventional, powered-spray equipment. For dilute sprays greater than 200 gpa, use sufficient spray volume to completely wet tree foliage, but not to point of runoff. For concentrate sprays (less than 200 gpa), uniformly apply an equivalent amount of BOLTON per acre.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 days for tree fruits and 24 hours for tree nuts unless PPE required for early entry is worn.

Specific Use Precautions:

- Avoid contact with foliage in sweet cherries as premature leaf drop may result.

Specific Use Precautions:

- Do not apply more than 50 fl oz of BOLTON per acre or within 60 days after application of rates above 26 fl oz per acre.
- Do not apply more than 77 fl oz of BOLTON per acre per season.
- Do not make a second application of BOLTON or other product containing chlorpyrifos within 10 days of the first application.
- Do not allow meat or dairy animals to graze in treated areas.

Fallen application

Do not apply more than 15 fl oz per acre per season once crop is in soft dough stage.

Do not make a second application of BOLTON or other product containing chlorpyrifos within 10 days of the first application.

Do not allow meat or dairy animals to graze in treated areas.

TREES NUTS (Dormant/Deferred Dormant Sprays)

Apply as a dormant or delayed dormant spray. While BOLTON may be used without oil, oil is recommended to control additional pests. See precautions for use of oil below. Apply as a concentrate or dilute spray using conventional, powered-spray equipment. For dilute sprays greater than 200 gpa, use sufficient spray volume to completely wet tree foliage, but not to point of runoff. For concentrate sprays (less than 200 gpa), uniformly apply an equivalent amount of BOLTON per acre.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 days for tree fruits and 24 hours for tree nuts unless PPE required for early entry is worn.

Specific Use Precautions:

- Avoid contact with foliage in sweet cherries as premature leaf drop may result.

Specific Use Precautions:

- Do not make more than 3 applications per season of BOLTON or other products containing chlorpyrifos.
- Do not make a second application of BOLTON or other products containing chlorpyrifos within 10 days of the first application.
- Do not allow meat or dairy animals to graze in treated areas.
Additional Restrictions Specific to California:

- Do not spray in almond orchards less than 4 years old.
- Use a minimum of 100 gal total spray volume.
- Use at least 2% supreme oil with no more than 6 gal on almonds.
- Use up to 2% supreme oil with no more than 4 gal on almonds.
- Refer to the University of California pest management guide for peaches, plums, and prunes.
- Do not apply any adjuvants or surfactants in addition to, or as a substitute for, a petroleum spray oil in a tank mix with BOLTON.
- Do not apply on almonds in the following counties in California: Butte, Colusa, Glenn, Solano, Sutter, Tehama, Yolo, and Yuba.

Specific Use Restrictions:

- Post-bloom application to apples is prohibited.

Additional Restrictions Specific to California:

- Use a minimum of 100 gal total spray volume.
- Refer to the University of California pest management guide for apples.
- Do not apply any adjuvants or surfactants in addition to, or as a substitute for, a petroleum spray oil in a tank mix with BOLTON.

TREE FRUITS AND TREE NUTS (TRUNK SPRAY OR PREPLANT DIP)

Apply BOLTON as required by scouting, usually intervals of 5 days or more. Timing and frequency of applications should be based on insect populations reaching locally determined economic thresholds and IPM recommendations. Apply BOLTON to tree trunks and lower branches using a coarse, low-pressure spray to control pests listed in the following table. Use a higher rate in the rate range when there is increased pest pressure. Unless otherwise specified, a second application may be made after 2 weeks and a third application may be made after harvest. Avoid spray contact with foliage in sweet cherries as premature leaf drop may result. Consult your State Agricultural Experiment Station or Extension Service Specialist for proper application timing for your area.

### CROPS

<table>
<thead>
<tr>
<th>Crop</th>
<th>Target Pests</th>
<th>BOLTON (fl oz/acre)</th>
</tr>
</thead>
<tbody>
<tr>
<td>apple</td>
<td>Rosy apple aphid, San Jose scale</td>
<td>45-70</td>
</tr>
</tbody>
</table>

Numbers in parenthesis () refer to Post-Specific Use Directions.

Worker Restricted Entry Interval: Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 days for tree fruits or 24 hours for tree nuts unless PPE required for early entry is worn.

### Post-Specific Use Directions:

1. Preplant Dip Application (Peaches and Nectarines Only). For preplant control of peachtree borer, use BOLTON™ insecticide at the equivalent application rate of 67 oz per 100 gallons of water. Dip trees several inches above the girdling bud scar and plant immediately or allow them to dry before returning to storage. Do not allow peach trees to remain in contact with the dip solution.

2. For control of peach tree borer in established trees, apply before newly hatched borers enter the tree. Use as a coarse, low-pressure spray to control borers at the time of egg hatching.

3. Do not allow livestock to graze in treated areas or harvest treated wheat forage as feed for meat or dairy animals within 30 days after the last treatment. Do not feed treated straw to meat or dairy animals within 30 days after the last treatment.

### Post-plant Applications

- Apply as a postemergence broadcast spray using sufficient spray volume to ensure thorough coverage of treated plants, but no less than 10 gal for ground spray equipment or 2 gpa for aircraft equipment. BOLTON may be applied through sprinkler irrigation systems at listed broadcast application rates to control listed foliar pests. See Chemigation (Sprinkler Irrigation) section for application instructions.

### WHEAT

Postemergence Application Including Chemigation

Apply as a postemergence broadcast spray using sufficient spray volume to ensure thorough coverage of treated plants, but no less than 10 gal for ground spray equipment or 2 gpa for aircraft equipment. BOLTON may be applied through sprinkler irrigation systems at listed broadcast application rates to control listed foliar pests. See Chemigation (Sprinkler Irrigation) section for application instructions.

### CROPS

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<td>cherry</td>
<td>American plum borer, greater peach tree borer, lesser peach tree borer</td>
<td>54-122</td>
</tr>
<tr>
<td>almond</td>
<td>peach tree borers (1) (2)</td>
<td>122</td>
</tr>
</tbody>
</table>

### Limitations of Use

**It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tomatoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Cheminova or the Seller. All such risks shall be assumed by Buyer and User. Buyer and User agree to hold Cheminova and the Seller harmless for any claims related to such factors.**

### Inherent Risks of Use

To the extent consistent with applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to one of the following, at Cheminova’s election: (1) refund of purchase price paid by buyer or user for product bought, or (2) replacement of product used. To the extent consistent with applicable law, Cheminova shall not be liable for consequential, incidental, or special damages or losses. The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Cheminova or the Seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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**“Compex” is a trademark of Kalo Chemicals, Inc.**

**“Lightning” is a registered trademark of BASF Corporation.**

**“Steadfast” is a registered trademark of E.I. duPont Nemours and Company**

**“Glyfos” is a registered trademark of Cheminova, Inc.**