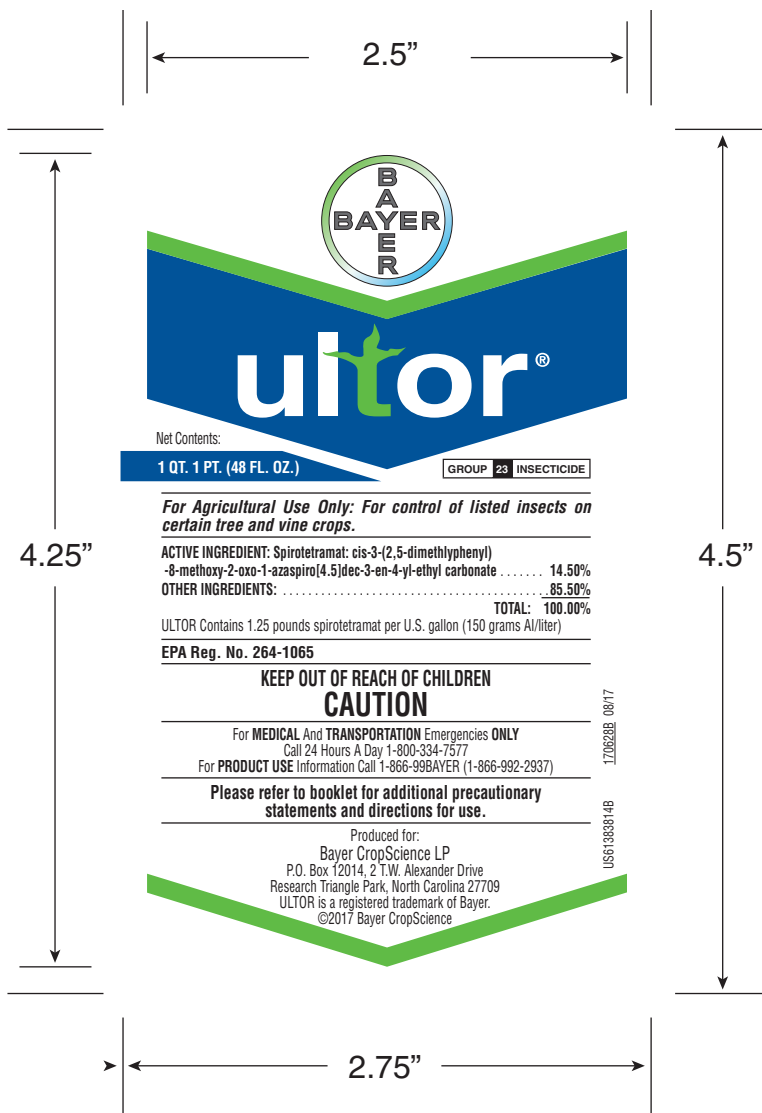
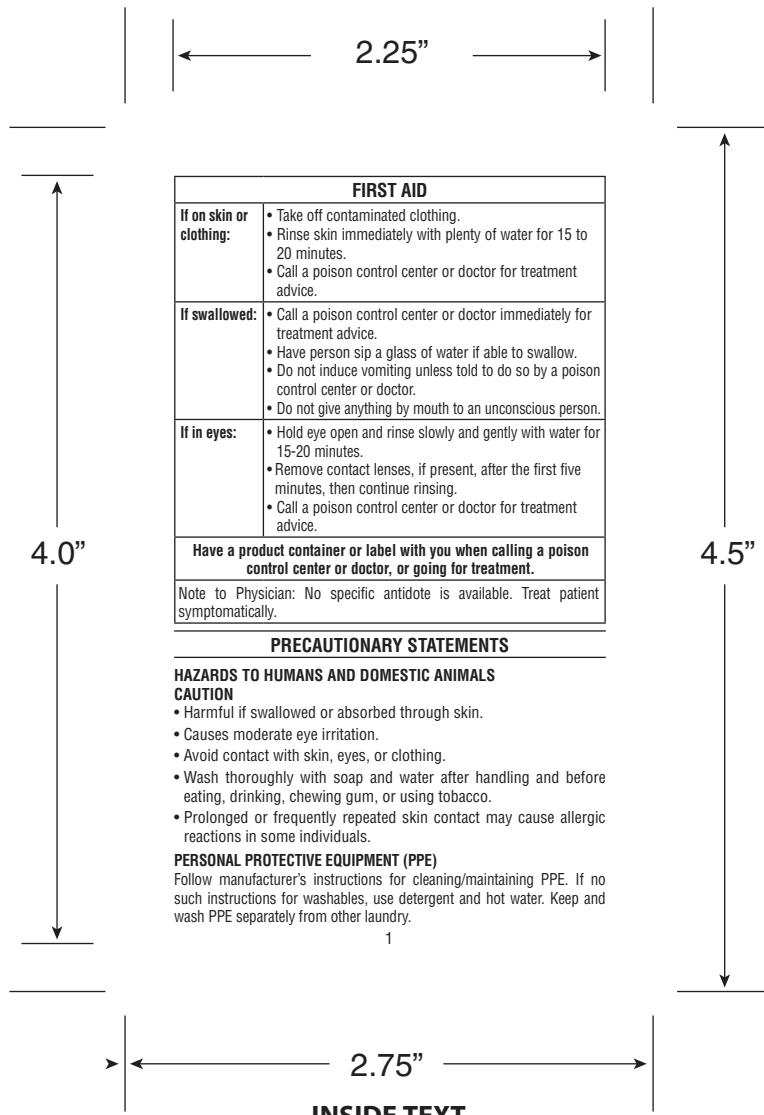


SMARTLINE US61383814B (170628) ULTOR SC 150 - 48 FL. OZ ETL - 8/16/17



COVER



2.25"

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INSIDE TEXT

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants.
- Chemical resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride ≥ 14 mils, or viton ≥ 14 mils.
- Shoes plus socks.

**ENGINEERING CONTROLS**

When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product.

**USER SAFETY REQUIREMENTS**

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

**ENVIRONMENTAL HAZARDS**

**For Terrestrial Use:** This pesticide is toxic to aquatic invertebrates and oysters. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. This product may contaminate water through drift of spray in wind. Do not apply 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 or rinsate.

This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

This product is potentially toxic to honey bee larvae through residues in pollen and nectar, but not to adult honeybees. Exposure of adult bees to direct treatment or residues on blooming crops can lead to effects on honeybee larvae. See the "Directions for Use" section of this label for specific crop application instructions that minimize risk to honey bee larvae.

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**Run Off Management**

This product may contaminate water through runoff or drift of spray in wind. This product has a high potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

**Endangered Species Advisory/Protection Requirements**

The use of any pesticide in a manner that may kill or otherwise harm endangered species or adversely modify their habitat is a violation of Federal law.

**CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, 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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL

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**INSIDE TEXT**

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INSIDE TEXT

OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** 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 OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

**DIRECTIONS FOR USE**

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

**Read the entire label before using this product.**

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, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, 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 24 hours.

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

- Coveralls.
- Chemical resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride ≥ 14 mils, or viton ≥ 14 mils.
- Shoes plus socks.

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**PRODUCT INFORMATION**

**ULTOR®:**

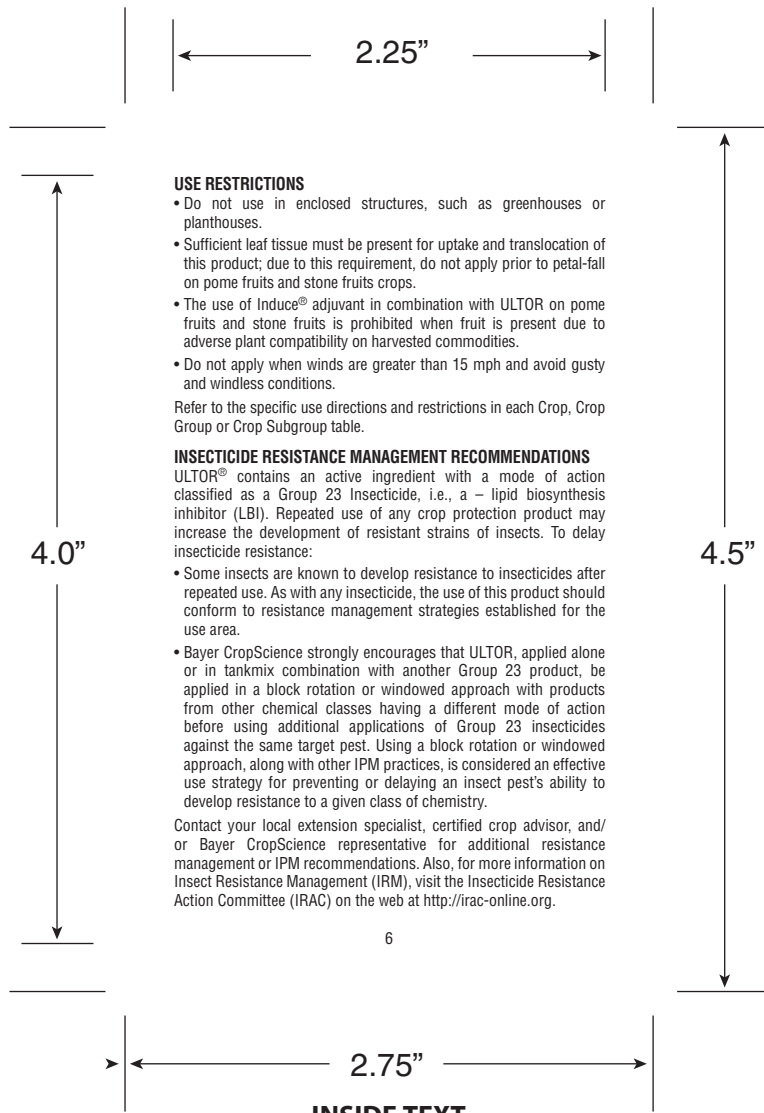
- Is a suspension concentrate formulation and is active primarily by ingestion against immature target pest life stages. In addition, fertility of adult female target pests, such as aphids and whiteflies, may be reduced.
- Can be applied by air or ground equipment as a preventative treatment or timed to coincide with an early threshold level in developing insect populations.
- Must be tank-mixed with a spray adjuvant / additive having spreading and penetrating properties to maximize leaf uptake and systemicity of the active ingredient within treated plants; please contact your local Bayer CropScience representative or PCA for specific recommendations by crop. The tank-mixture of ULTOR with an adjuvant / additive having sticking properties or crop protection product formulations containing built-in stickers have been shown to interfere with leaf uptake and should be avoided.
- It is widely known that tank mixtures and/or sequential treatments of horticultural spray oil with Captan and/or sulfur may cause adverse plant compatibility in tree and vine crops; including ULTOR in this tankmix and/or sequential treatment scenario is not recommended.
- Following application to plant foliage, ULTOR is fully systemic, moving through phloem and xylem to all plant tissues including new shoot, leaf and root tissues; systemicity and efficacy may be hindered during periods of cold temperatures, under drought conditions, or when plants are not actively growing.

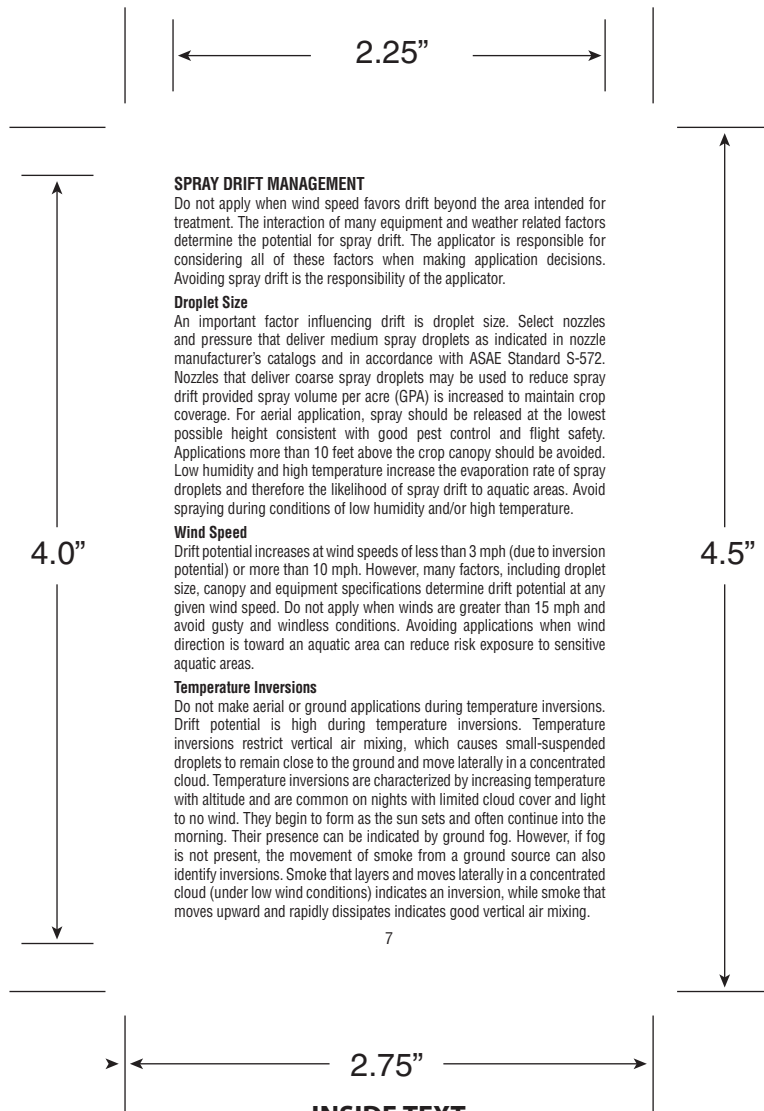
**APPLICATION INSTRUCTIONS**

- Foliar applications must be made using properly calibrated ground sprayers, fixed- or rotary-winged aircraft. Sufficient spray volume, based on the size and density of the treated crop, must be utilized that allows for good coverage of both young and old foliage without runoff or collection of spray solution on leaf margins, fruit, or other plant tissues. For optimum control of target pests on tree and vine crops, treating both sides of the plant during the same application period is recommended; for practices such as alternate row middles or tops and bottoms, both sides of the trees or vines must be treated within a 72-hour period. Good coverage will help ensure maximum uptake by leaf surfaces and optimum systemicity within the plant.

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**INSIDE TEXT**







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**Airblast (Air Assist) Applications for Tree Crops and Vineyards**

Airblast sprayers carry droplets into the canopy of trees/vines via a radial, or lateral directed air stream. The following drift management practices should be followed:

- Adjust deflectors and aiming devices so that spray is only directed into the canopy;
- Block off upward pointed nozzles when there is no overhanging canopy;
- Use enough air volume to penetrate the canopy and provide good coverage;
- Do not allow the spray to go beyond the edge of the cultivated area (i.e., turn off sprayer when turning at end rows);
- For applications to the outside rows, only spray inward, toward the orchard/grove.

**Aerial Applications**

- Mount the spray boom on the aircraft so as to minimize drift caused by wing tip vortices.
- The minimum practical boom length should be used, and should not exceed 75% of the wing span or rotor diameter.
- Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety.

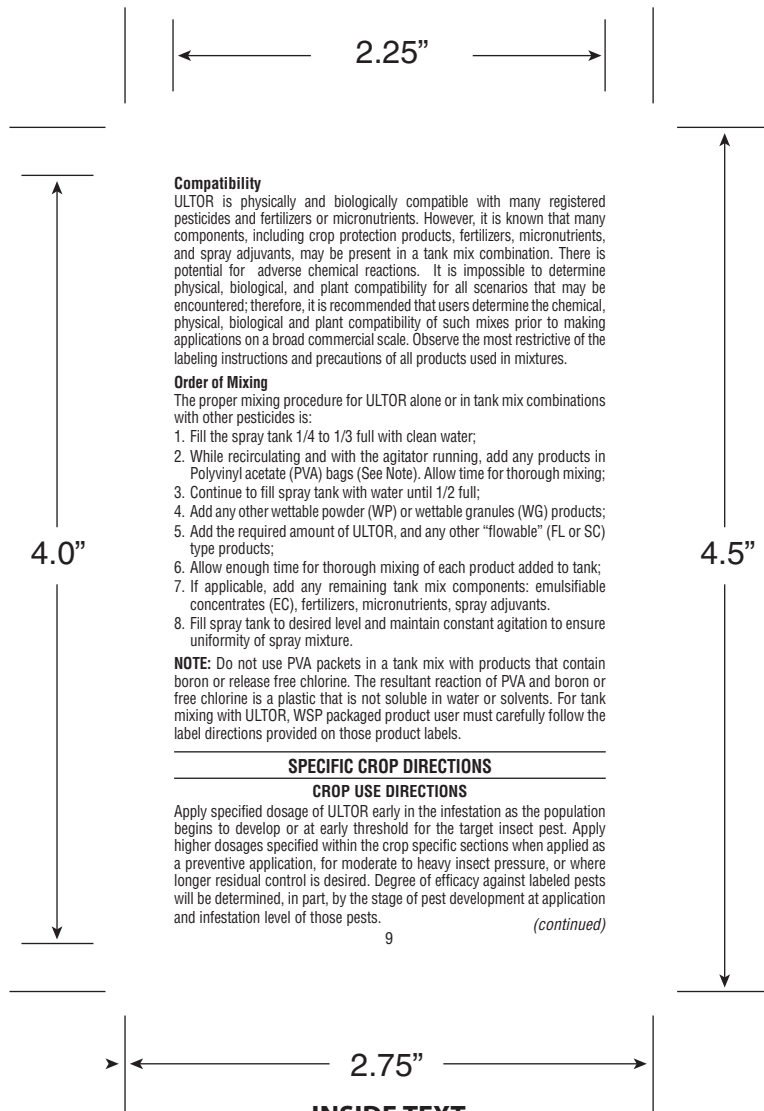
**COMPATIBILITY TESTING AND TANK MIX PARTNERS**

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.

- When considering mixing ULTOR with other pesticides, or other additives, first contact your supplier for advice.
- For further information, contact your local Bayer representative. If your supplier and Bayer representative have no experience with the combination you are considering, you should conduct a test to determine physical compatibility.
- To determine physical compatibility, add the recommended proportions of each chemical with the same proportion of water, as will be present in the chemical supply tank, into a suitable container, mix thoroughly and allow to stand for five minutes. If the combination remains mixed, or can be readily re-mixed, the mixture is considered physically compatible.

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Apply in adequate water for uniform coverage. For tree and vine crops, apply in a minimum of 50 GPA for conventional ground airblast sprayer, 30 GPA for high air velocity, low volume or air curtain sprayers, 10 GPA for aerial application; rates for tree and vine crops are based on full-size mature trees and vines. For field crops, apply in a minimum of 10 GPA by ground and 5 GPA by aerial application. For vegetable and potato crops, apply in a minimum of 15 GPA by ground and 5 GPA by aerial application.

**ULTOR must be tank-mixed with a spray adjuvant / additive having spreading and penetrating properties to maximize leaf uptake and systemicity of the active ingredient within treated plants; please contact your local Bayer CropScience representative or PCA for specific recommendations by crop.** However, the use of Induce<sup>®</sup> adjuvant in combination with ULTOR on pome fruits and stone fruits is prohibited when fruit is present due to adverse plant compatibility on harvested commodities. The tank-mixture of ULTOR with an adjuvant / additive having sticking properties or crop protection product formulations containing built-in stickers have been shown to interfere with leaf uptake and should be avoided. Sufficient leaf tissue must be present for uptake and translocation of this product; due to this requirement, do not apply prior to petal-fall on pome fruits and stone fruits crops.

It is widely known that tank mixtures and/or sequential treatments of horticultural spray oil with Captan and/or sulfur may cause adverse plant compatibility in tree and vine crops; including ULTOR in this tank mix and/or sequential treatment scenario is not recommended.

| CHRISTMAS TREE PLANTATIONS   |              |             |
|--|--------------|-------------|
| Pests Controlled   | Product Rate |             |
|  | (fl oz/A)    | (lb ai/A)   |
| Aphids<br>(including root aphids and Adelgids)                       | 8.0 – 16.0   | 0.08 – 0.16 |
| Scales   |              |             |
| <b>Foliar Application Restrictions:</b>                              |              |             |
| Minimum interval between applications: <b>14 days</b>                |              |             |
| Maximum ULTOR allowed per calendar year: <b>32 fl oz/A</b>           |              |             |
| Maximum spirotetramat allowed per calendar year: <b>0.31 lb ai/A</b> |              |             |

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| HOPS   |              |             |
|--|--------------|-------------|
| Pests Controlled   | Product Rate |             |
|  | (fl oz/A)    | (lb ai/A)   |
| Hop aphid  | 8.0 – 10.0   | 0.08 – 0.10 |
| Twospotted spider mite   |              |             |
| <b>Foliar Application Restrictions:</b><br>Pre-Harvest Interval (PHI): <b>7 day(s)</b><br>Minimum interval between applications: <b>14 days</b><br>Maximum ULTOR allowed per calendar year: <b>20 fl oz/A</b><br>Maximum spirotetramat per calendar year: <b>0.2 lb ai/A</b> |              |             |

| POME FRUITS   |   |              |             |
|---|---|--------------|-------------|
| <b>Crops of Crop Group 11-10 Including:</b> Apple, Asian pear, Azarole, Chinese quince, Crabapple, Japanese quince, Loquat, Mayhaw, Medlar, Pear, Quince, Tejocote, including cultivars, varieties and/or hybrids of these commodities.   |   |              |             |
| Pests Controlled  |   | Product Rate |             |
|   |   | (fl oz/A)    | (lb ai/A)   |
| Aphids<br>(including Woolly<br>Apple Aphid)   | Pear psylla<br>Pear rust mite<br>San Jose scale | 8.0 – 14.0   | 0.08 – 0.14 |
| Apple rust mite   | Whiteflies                                      |              |             |
| Mealybugs   |   |              |             |
| Pests Suppressed  |   |              |             |
| Apple gall midge  | Pear leaf midge                                 |              |             |
| Codling moth  | Twospotted<br>spider mite                       |              |             |
| European red mite   | White apple<br>leafminer                        |              |             |
| Micro-lepidoptera   | leafhopper                                      |              |             |
| <b>Foliar Application Restrictions:</b><br>Pre-Harvest Interval (PHI): <b>7 day(s)</b><br>Minimum interval between applications: <b>14 days</b><br>Maximum ULTOR allowed per calendar year: <b>40 fl oz/A</b><br>Maximum spirotetramat per calendar year: <b>0.39 lb ai/A</b><br>Do not apply prior to petal-fall.<br>For control of San Jose scale west of the Rocky Mountains [including all of MT, WY, CO, and NM], apply immediately after petal fall, followed by a second application 14 – 21 days later. For control of San Jose scale east of the Rocky Mountains, apply immediately after petal fall; under heavy infestation pressure or where difficult control conditions exist, a second application may be necessary. |   |              |             |

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**STONE FRUITS**  
**Crops of Crop Group 12-12 Including:** Apricot; apricot, Japanese; capulin; cherry, black; cherry, Nanking; cherry, sweet; cherry, tart; Jujube, Chinese; nectarine; peach; plum; plum, American; plum, beach; plum, Canada; plum, cherry; plum, Chickasaw; plum, Damson; plum, Japanese; plum, Klamath; plum, prune; plumcot; sloe; cultivars, varieties, and/or hybrids of these

| Pests Controlled  | Product Rate |             |
|---|--------------|-------------|
|   | (fl oz/A)    | (lb ai/A)   |
| Aphids<br>Mealybugs<br>San Jose scale<br>White peach scale<br>Whiteflies  | 8.0 – 14.0   | 0.08 – 0.14 |
| <b>Pests Suppressed</b>   |              |             |
| Black scale<br>Cherry fruit fly<br>European fruit lecanium scale<br>European red mite<br>Nematodes<br>Spotted Wing Drosophila<br>Twospotted spider mite |              |             |

**Foliar Application Restrictions:**  
 Pre-Harvest Interval (PHI): **7 day(s)**  
 Minimum interval between applications: **14 days**  
 Maximum ULTOR allowed per calendar year: **24 fl oz/A**  
 Maximum spirotetramat per calendar year: **0.24 lb ai/A**  
 Do not apply prior to petal-fall.  
 For control of San Jose scale, apply immediately after petal fall; under heavy infestation pressure or where difficult control conditions exist, a second application may be necessary.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.  
**Pesticide storage**  
 ULTOR is packaged in poly-ethylene containers. Do not allow product or containers to freeze. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and

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feed. Store in original container and out of the reach of children, preferably in a locked storage area.  
Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer CropScience Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer CropScience Emergency Response Telephone No. is (800) 334-7577, or contact Chemtrec at (800) 424-9300.

**Pesticide disposal**  
Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by 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**  
**Rigid, Non-refillable containers (equal to or less than 5 gallons)**  
Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure 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 1/4 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.

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 mix tank or collect rinsate for later use or disposal. Insert pressure-rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

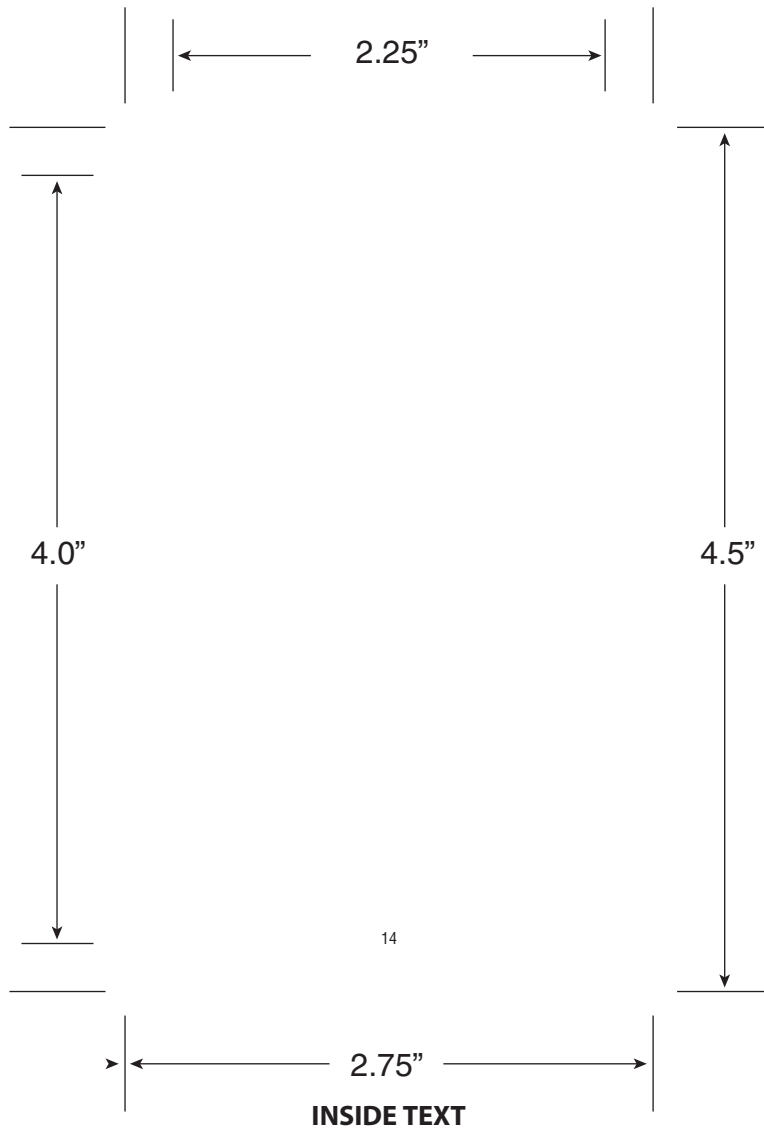
Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

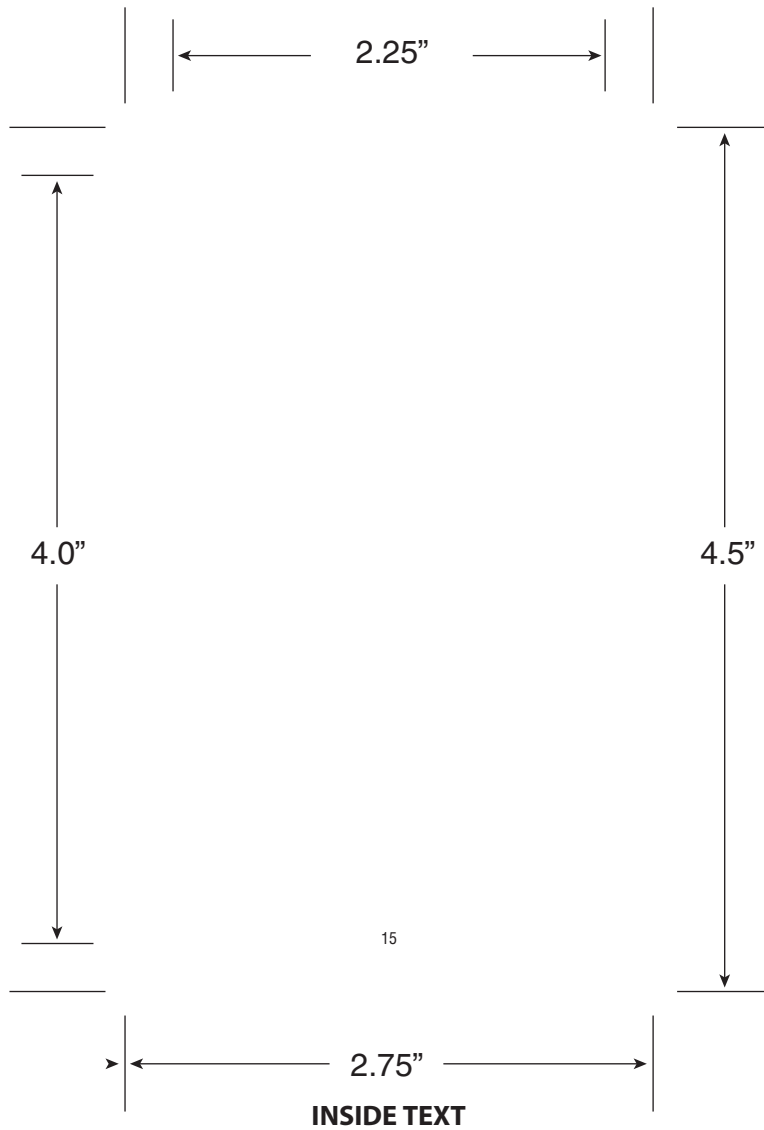
INDUCE is a registered trademark of Helena Holding Company



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INSIDE TEXT







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Net Contents: 1 QT. 1 PT. (48 FL. OZ).



**ULTOR®**

GROUP 2a INSECTICIDE

**For Agricultural Use Only:**  
**For control of listed insects on certain tree and vine crops.**

**ACTIVE INGREDIENT:**

Spirotetramat: cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl-ethyl carbonate ..... 14.50%

**OTHER INGREDIENTS:** ..... 85.50%

**TOTAL: 100.00%**

ULTOR Contains 1.25 pounds spirotetramat per U.S. gallon (150 grams AI/liter)

EPA Reg. No. 264-1065

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY**  
Call 24 Hours A Day 1-800-334-7577  
For **PRODUCT USE** information Call 1-866-99BAYER (1-866-992-2937)

**Please refer to booklet for additional precautionary statements and directions for use.**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

- Harmful if swallowed or absorbed through skin.
- Causes moderate eye irritation.
- Avoid contact with skin, eyes, or clothing.
- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Bayer CropScience LP  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709  
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