**FIRST AID**

| IF ON SKIN OR CLOTHING: | • Take off contaminated clothing.  
|                        | • Rinse skin immediately with plenty of water for 15 to 20 minutes.  
|                        | • 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 by mouth to an unconscious person.  |
| IF IN EYES:            | • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing.  
|                        | • Call a poison control center or doctor for treatment advice.  |

In case of emergency call free the Bayer CropScience Emergency Response Telephone No. 1-800-321-1977.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Note To Physician: No specific antidote is available. Treat patient symptomatically.

**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. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:

- Protective eyewear
- Long-sleeved shirt and long pants
- Chemical-resistant gloves (e.g., neoprene)
- Shoes plus socks

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

ENGINEERING CONTROLS STATEMENT
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 (5)(c)-(d)), the handler PPE requirements may be reduced or modified as specified in the WPS.

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

ENVIRONMENTAL HAZARDS
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 or 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 waste.

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 honey bees. Exposure of adult bees to directed treatment or residues on blooming crops can lead to effects on honey bee larvae. See the "Instructions for Use" section of this label for specific crop application instructions that minimize risk to honey bee larvae.

2
Spray Drift Reduction Management

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Importance of Droplet Size: An important factor influencing drift is droplet size. Select nozzles and pressure that deliver medium spray droplets as indicated in nozzle manufacturer’s catalog and in accordance with ASABE Standard 5-672. Nozzles that deliver coarse spray droplets may be used to reduce spray drift provided spray volume per acre (GPA) is increased to maintain crop coverage.

For aerial application, spray should be released at the lowest possible height consistent with good pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided. Low humidity and high temperature increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

Wind Speed Restrictions: Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Do not apply when winds are greater than 15 mph and avoid gusty and windless conditions. Avoiding applications when wind direction is toward an aquatic area can reduce risk exposure to sensitive aquatic areas.

Restrictions During Temperature Inversions: Do not make aerial or ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which cause small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and little to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog. However, if fog is not present, the movement of smoke from a ground source can also identify inversions. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.
Airblast (Air Assist) Specific Recommendations: 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.

RUNOFF 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
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.

INSECT RESISTANCE STATEMENT
Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area. ULTOR® contains an active ingredient with a mode of action classified as a Group 23 insecticide—lipid biosynthesis inhibitor (LBI). Studies to determine cross-resistance of Group 23 insecticides with other chemical classes have demonstrated no cross-resistance. Bayer CropScience strongly encourages that ULTOR, applied alone or in tankmix combination with another Group 23 product, be applied in a block rotation or windrow approach with products from other chemical classes having a different mode of action before using additional applications (continued)
of Group 20 insecticides against the same target pest. Using a block rotation or windowed approach, along with other IPM practices, is considered an effective use strategy for preventing or delaying an insect pest’s ability to develop resistance to a given class of chemistry. Contact your local extension specialist, certified crop advisor and/or Bayer CropScience representative for additional resistance management or IPM recommendations. Also, for more information on Insect Resistance Management (IRM), visit the Insecticide Resistance Action Committee (IRAC) on the web at http://irac-online.org.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handles may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI). The requirements in this box only apply to sites of this product that are covered by the Worker Protection Standard.

Do not enter or allow workers entry into treated areas during the REI of 24 hours following application.

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:

- Long-sleeved shirt and long pants
- Protective eyewear
- Chemical-resistant gloves (e.g., neoprene)
- Shoes plus socks
STORAGE AND DISPOSAL

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

Pesticide Storage: ULTOR is packaged in polyethylene 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 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 dump 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) 334-7677, 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 Disposal: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalently) 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 reciperate. 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. Offer for recycling, if available or puncture and dispose of in sanitary landfill, or by other procedures approved by state and local authorities.
APPLICATION 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. ULTOR can be applied by air, or by ground equipment as a preventative treatment or timed to coincide with an early threshold level in developing insect populations.
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 Indigo® 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.
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. Following application to plant foliage, ULTOR is fully systemic, moving through phloem and xylem to new shoots, 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.
It is widely known that tankmixes and sequential treatments of horticultural spray oil with Captan and/or sulfur may cause adverse plant compatibility in tree crops; including ULTOR in this tankmix and/or sequential treatment scenario is not recommended.
Use in enclosed structures, such as greenhouses or planthouses, is not permitted.

APPLICATION INSTRUCTIONS
Foliar Spray Applications
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. Good coverage will help ensure maximum uptake by leaf surfaces and optimum systemicity within the plant.
MIXING INSTRUCTIONS
COMPATIBILITY / MIXING / ORDER-OF-MIXING
Observe all cautions and limitations on labelling of all products used in mixtures.
ULTOR is physically and biologically compatible with many registered pesticides and fertilizers or micronutrients. However, it is known that many components, including crop protection products, fertilizers, micronutrients, and spray adjuvants, may be present in a tankmix combination that creates very unique and adverse chemical reactions, resulting in high risk circumstances. It is impossible to determine physical, biological, and plant compatibility for all scenarios that may be encountered because of this reason. It is recommended that potential users determine the chemical, physical, biological and plant compatibility of such mixes prior to applications on a broad commercial scale.
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 thorougly and allow to stand for five minutes. If the combination remains mixed, or can be readily re-mixed, the mixture is considered physically compatible.
The proper mixing procedure for ULTOR alone or in tank mix combinations with other pesticides is:
1) Fill the spray tank 1/4 to 1/2 full with clean water;
2) While recirculating and with the agitator running, add any products in Polyvinyl acetate (PVA) bags (See Note). Allow time for thorough mixing;
3) Continue to fill spray tank with water until 1/2 full;
4) Add any other wettable powder (WP) or wettable granules (WG) products;
5) Add the required amount of ULTOR, and any other "wettable" (FL or SC) type products;
6) Allow enough time for thorough mixing of each product added to tank;
7) If applicable, add any remaining tank mix components: emulsifiable concentrates (EC), fertilizers, micronutrients, spray adjuvants.

(continues)
8) Fill spray tank to desired level and maintain constant agitation to ensure uniformity of spray mixture.

NOTE: Do not use PVA packets in a tank mix with products that contain boron or release free chlorine. The resultant reaction of PVA and boron or free chlorine is a plastic that is not soluble in water or solvents.

CROP ROTATION STATEMENT
Do not plant or replant any crop not listed on this label within 30 days after the last application.

CROP USE DIRECTIONS
Apply specified dosage of ULTOR early in the infestation as the population begins to develop or at early threshold for the target insect pest. Preventative applications are permitted where required for management of specific insect problems but generally require the higher dosage specified within the crop specific sections for optimal residual control. Degree of efficacy against labeled pests will be determined, in part, by the stage of pest development at application and infestation level of those pests.

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® adjuvant in combination with ULTOR on stone fruits and stone fruits is prohibited when fruit is present due to adverse plant compatibility on harvested commodities. 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 stone fruits and stone fruits.

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

Application rates within this label are based on full-size mature trees. Higher rates should be used for moderate to heavy insect pressure or where longer residual control is desired. Minimum application volumes of water: 50 GPa for conventional ground airblast sprayer, 30 GPa for high air velocity, low volume or air curtain sprayers, 10 GPa for aerial application.
### POME FRUITS

**Crops of Crop Group 11 Including:** Apple, Crabapple, Loquat, Mayhaw, Pear, Oriental pear, Quince.

<table>
<thead>
<tr>
<th>PESTS CONTROLLED</th>
<th>Rate</th>
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<tbody>
<tr>
<td>Aphids (including Woolly Apple Aphid)</td>
<td></td>
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<tr>
<td>Mite/bugs</td>
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<tr>
<td>Pear psylla</td>
<td></td>
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<tr>
<td>San Jose scale</td>
<td></td>
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<tr>
<td>Whiteflies</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>PESTS SUPPRESSED</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Apple gall midge</td>
<td>8.0 – 14.0</td>
</tr>
<tr>
<td>Codling moth</td>
<td></td>
</tr>
<tr>
<td>Mite-leafhopper</td>
<td></td>
</tr>
<tr>
<td>Pear leaf midge</td>
<td></td>
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<tr>
<td>White apple leafhopper</td>
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</tbody>
</table>

**Notes and Restrictions**

- Pre-Harvest Interval (PHI): 7 days.
- Minimum interval between applications: 14 days.
- Maximum LDCS allowed per crop season: 40 fluid ounces/acre (3.4 lb a.i./A).
- Do not apply until after petal fall.
- For control of San Jose scale in areas 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.
<table>
<thead>
<tr>
<th>PESTS CONTROLLED</th>
<th>Rate</th>
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</thead>
<tbody>
<tr>
<td>Aphids</td>
<td></td>
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<tr>
<td>Mealybugs</td>
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<tr>
<td>San Jose scale</td>
<td></td>
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<tr>
<td>White peach scale</td>
<td></td>
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<tr>
<td>Whiteflies</td>
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<table>
<thead>
<tr>
<th>PESTS SUPPRESSED</th>
<th>Rate</th>
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<tbody>
<tr>
<td>Black scale</td>
<td>8.0 – 14.0</td>
</tr>
<tr>
<td>Cherry fruit fly</td>
<td></td>
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<tr>
<td>European fruit mealyrium</td>
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<tr>
<td>Nematodes</td>
<td></td>
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</tbody>
</table>

Notes and Restrictions
- Pre-harvest interval (PHI): 7 days.
- Minimum interval between applications: 14 days.
- Maximum LDDR allowed per crop season: 24 fluid ounces/Acre (0.31 lb a.i/acre).
- Do not apply until after 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.
### HOPS

<table>
<thead>
<tr>
<th>PEST CONTROLLED</th>
<th>Rate fluid ounces/Acre</th>
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</thead>
<tbody>
<tr>
<td>Hops aphid</td>
<td>8.0 – 10.0</td>
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</tbody>
</table>

**Notes and Restrictions**
- Pre-Harvest Interval (PHI): 7 days.
- Minimum interval between applications: 14 days.
- Maximum ULTITR allowed per crop season: 20 fluid ounces/Acre (0.32 lb a.i/A).

### CHRISTMAS TREE PLANTATIONS

<table>
<thead>
<tr>
<th>PESTS CONTROLLED</th>
<th>Rate fluid ounces/Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aphids (including red aphids and adelgids)</td>
<td>8.0 – 16.0</td>
</tr>
<tr>
<td>Scales</td>
<td></td>
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</tbody>
</table>

**Notes and Restrictions**
- Minimum interval between applications: 14 days.
- Maximum ULTITR allowed per season: 32 fluid ounces/Acre (0.32 lb a.i/A).
IMPORTANT: READ BEFORE USE

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. 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 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 ELECTIVE, THE REPLACEMENT OF PRODUCT.

ULTOR is a registered trademark of Bayer CropScience
Induce® is a registered trademark of Helena Holding Company
ULTOR®
For Agricultural Use Only: For control of listed insects on pome fruit, stone fruit, hops, and Christmas tree plantations.
ACTIVE INGREDIENT:
spirodeltamet: cis-1-(2,3-dimethylphenyl)-6-methoxy-2-oxo-1-
axaprop(4,5,6-oxa-3-thienyl)ethan-4-yethyl carbonate .......................... 14.5%
INERT INGREDIENTS: ................................................................. 85.5%
ULTOR contains 1.25 pounds of spirodeltamet per US gallon, or 150 grams per liter.
EPA Reg. No. 264-1965

STOP - Read the label before use
KEEP OUT OF REACH OF CHILDREN
CAUTION
Si usted no entiende el etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

For PRODUCT USE Information Call 1-800-999-2522 (1-800-499-2522)
For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577
See back panel for First Aid, additional Precautionary Statements, and Storage and Disposal.

Bayer CropScience LP
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Research Triangle Park, North Carolina 27709
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Net Contents: 1 GT. 1 PT.
(48 FL. OZ).