Ethephon 2 SL

For the removal of Dwarf Mistletoe in Ornamental Conifers and Leafy Mistletoe in Ornamental Deciduous Trees; for the elimination of undesirable fruit on Apple, Crabapple, Carob, and Olive trees; and for retarding the growth of Turfgrasses.

Active Ingredient: % BY WT.
Ethephon [(2-chloroethyl)-phosphonic acid] .......................... 21.7%
Inert Ingredients: ............................................................. 78.3%
TOTAL: ........................................................................ 100.0%

*Contains 2 pounds ethephon per gallon

EPA Reg. No. 66222-151

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO
Sí usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

If you do not understand the label, find someone to explain it to you in detail.

For additional precautionary, handling, and use statements, see inside of this booklet.

Manufactured for:
Makhteshim Agan of North America, Inc.
3120 Highwoods Blvd, Suite 100
Raleigh, NC 27604

EPA 101607/Notif 080508/Rev D

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 ON SKIN OR CLOTHING:
• Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15-20 minutes.
• Call a poison control center or doctor for treatment advice.

IF SWALLOWED:
• Immediately 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.
• Have person sip a glass of water if able to swallow.
• Do not give anything by mouth to an unconscious person.

IF INHALED:
• Move person to fresh air.
• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible.
• Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact Prosar at 1-877-250-9291 for emergency medical treatment information.

NOTE TO PHYSICIAN:
Probable mucosal damage may contraindicate the use of gastric lavage. No specific antidote is available. All treatments should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred. Victims of severe overexposure by inhalation should be kept under medical observation for up to 72 hours for delayed onset of pulmonary edema. In a victim of overexposure by ingestion, careful gastric lavage is required due to the possibility of stomach or esophageal perforation. This material is an acid, but the use of alkaline substances to neutralize it is contraindicated.

PF-37386-3

PROOF
THIS PROOF IS TO BE CHECKED FOR ACCURACY
Please review and approve Text, Spelling, Copy Placement, Size, Shape, Colors and DieLINE.
Authorized signature accepts responsibility for accuracy of all copy, color break and artwork. Cimarron Label is not liable for any discrepancies subsequently identified.

PLEASE NOTE: Due to color variance between printers/monitors, the colors represented by this proof cannot be deemed accurate. Please refer to a color matching system such as the Pantone Matching System for a true representation of spot colors.

THIS PROOF IS NOT ACCURATE FOR COLOR-MATCH.
DieLINE does not print.

Cimarron Label
Experts In Extended Text Labeling
4201 North Westport Ave - Sioux Falls, SD 57107
Phone: (605) 978-0451 - Fax: (605) 978-0463

Form: CS 006L - 11/8/2011
WE CANNOT PROCESS THIS ORDER WITHOUT AN AUTHORIZED SIGNATURE

ARTWORK IS APPROVED
REVISED PROOF NEEDED

Signed ________________________________ Date __________________
PRECAUTIONARY STATEMENTS

DANGER

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive: Causes irreversible eye damage. Wear safety goggles when handling. Harmful if swallowed or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Do not inhale vapors, as this product will irritate mucous membranes.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirts and short pants OR long-sleeved shirts and long pants.
- Chemical-resistant gloves made of any waterproof material such as nitrile, butyl, neoprene, and/or barrier laminate.
- Chemical-resistant footwear plus socks.
- Protective eyewear.
- Chemical-resistant headgear for overhead exposure.
- Chemical-resistant apron when mixing, loading, or cleaning equipment.

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

When handlers use closed systems, enclosed cabs, or aircraft 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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash contaminated clothing before reuse.
- Remove PPE 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

Do not contaminate water used for irrigation or domestic purposes. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Avoid spray drift to nearby crops, as this product will cause modifications in plant growth. Plant injury or reduced yields may result. Do not plant another crop within 30 days after treatment.

SPRAY DRIFT

Avoid spray drift. Do not apply when weather conditions may cause drift. Do not allow this product to drift onto non-target areas. Drift may result in illegal residues or injury to adjacent crops and vegetation in the form of leaf yellowing and defoliation. To avoid spray drift, do not apply aerially when wind speed is greater than 10 mph or during periods of temperature inversions. Use of larger droplet size will also reduce spray drift.

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.

The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses, or to applications using dry formulations.

1. The distance of the outermost nozzles on the boom must not exceed 3/4 of the wingspan or rotor.
2. Nozzles must always point backward parallel with airstream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the AERIAL DRIFT REDUCTION ADVISORY below:

AERIAL DRIFT REDUCTION ADVISORY

This section is advisory in nature and does not supersede the mandatory label requirements.

Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly or under unfavorable environmental conditions (See Wind, Temperature and Humidity, and Temperature Inversions).

Controlling Droplet Size

Volume – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

Pressure – Do not exceed the nozzle manufacturer’s recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

Number of Nozzles – Use the minimum number of nozzles that provide uniform coverage.

Nozzle Orientation – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.

Nozzle Type – Use a nozzle type that is specified for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drip nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Boom Length

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

Applications should not be made above the top of the target plant. If the product is intended for aerial safety. Making aerial applications exposes reduce exposure of droplets.

Swath Adjustment

When applications are made placed downwind. Therefore, field, the applicator should consider the following for drift that increase with increasing drift potential:

Wind

Drift potential is lowest in high-speed winds. However, many factors, including drift potential at a reduced speed below 2 mph due to the reduced downwash. NOTE: Lowering wind speed will increase drift.

Temperature and Humidity

When making applications in which larger droplets provide sufficient coverage and control, apply larger droplets. The pesticide should only be applied when climatic conditions are suitable for control, consistent with its labeling.

It is a violation of Federal law to apply this pesticide in a manner inconsistent with its labeling. It is also a violation of Federal law to apply this pesticide to an adjacent sensitive area (e.g., known habitat for threatened species) or to applications using dry formulations.

Sensitive Areas

The pesticide should only be allowed for use in agricultural field crops. These requirements do not apply to forestry applications, public health uses, or to applications using dry formulations. The applicator is responsible for considering all these factors when making decisions.

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ducts. Read the entire label before using this product.

**USER 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), notification to workers, and restricted-entry intervals. 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 48 hours. The REI is 72 hours in areas where average rainfall is less than 25 inches per year.

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 over long-sleeved shirt and long pants, chemical-resistant gloves such as any waterproof gloves, chemical-resistant footwear plus socks, and protective eyewear. For overhead exposure, chemical-resistant headgear is also required.

Notify workers of the application by warning them orally and by posting warning signs at entrance to treated areas.

**GENERAL INFORMATION**

Quali-Pro Ethephon 2 SL removes dwarf mistletoe from ORNAMENTAL CONIFERS and leafy mistletoe from ORNAMENTAL DECIDUOUS TREES. Quali-Pro Ethephon 2 SL eliminates undesirable fruit from APPLE, CRABAPPLE, CAROB, and OLIVE TREES. When used on TURFGRASSES, Quali-Pro Ethephon 2 SL retards grass growth to reduce mowing frequency.

For local recommendations on rates, spray volumes (gallons of water per acre), and spray equipment under varying temperature and rainfall conditions, consult your Extension Pomologist, Horticultural Specialist, or Farm Advisor for his experience with this product in your area.

When an adjuvant is to be used with this product, Makhteshim Agan of North America, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

**USE LIMITATIONS**

Do not treat weak trees disease damaged trees
Quali-Pro Ethephon 2 SL will remove dwarf mistletoe shoots in ornamental conifers and leafy mistletoe from ornamental deciduous trees.

### MISTLETOE REMOVAL

<table>
<thead>
<tr>
<th>Sites</th>
<th>Amount</th>
<th>Specific Directions</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>DWARF MISTLETOE</td>
<td>0.2 pints/</td>
<td>Apply as a foliar spray to dwarf mistletoe shoots before mistletoe seed dispersal.</td>
<td>Applications made in conjunction with sylvicultural mistletoe management will prevent spread of the mistletoe parasite to other parts of the tree and other trees.</td>
</tr>
<tr>
<td>On Ornamental Conifers</td>
<td>20 gallons</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.1 pint/</td>
<td>For effective removal, all mistletoe shoots must be sprayed to wet.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20 gallons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>On Ornamental Douglas Firs</td>
<td>1 pint/</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>20 gallons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LEAFY MISTLETOE</td>
<td>0.2 quarts/</td>
<td>Make foliar applications after fall leaf drop through mid-winter.</td>
<td>Large mistletoe infections and mistletoe found in mesquite may be difficult to control with a single application and re-treatment may be necessary.</td>
</tr>
<tr>
<td>On Ornamental Deciduous Trees</td>
<td>20 gallons</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.1 pint/</td>
<td>For effective removal, all mistletoe shoots must be sprayed to wet.</td>
<td></td>
</tr>
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<td></td>
<td>20 gallons</td>
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<td></td>
</tr>
</tbody>
</table>

### UNDESIRABLE FRUIT ELIMINATION

(For Use Only on Ornamentals)

Quali-Pro Ethephon 2 SL will reduce or eliminate undesirable fruit development on apple, crabapple, carob, and olive trees.

<table>
<thead>
<tr>
<th>Sites</th>
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</tr>
</thead>
<tbody>
<tr>
<td>APPLES, CRABAPPLES</td>
<td>8.0 – 12.0 fl. oz./20 gallons</td>
<td>Apply as a foliar spray at the flower bud to full bloom stage prior to fruit set. Wet foliage thoroughly.</td>
<td>Application must be made before fruit set for best results. Some leaf drop or temporary leaf yellowing may occur after treatment.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Excess application of Quali-Pro Ethephon 2 SL can result in excessive leaf drop and tree defoliation. Use higher rates when temperatures are cool.</td>
<td></td>
</tr>
<tr>
<td>CAROB (Ceratonia siliqua)</td>
<td>6.0 fl. oz./20 gallons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLIVE* (Olea europaea)</td>
<td>12.0 fl. oz./20 gallons</td>
<td>Apply as a foliar spray. Wet all foliage thoroughly. Amount of spray will depend on tree size.</td>
<td></td>
</tr>
</tbody>
</table>

*This recommendation is not intended to be used on commercial fruit production as a thinning agent.

### USE LIMITATIONS

- Do not treat weak trees or trees under stress (drought, insect, or disease damaged trees), as excessive leaf drop or twig drop can occur.
- Do not use Quali-Pro Ethephon 2 SL with additives other than recommended on this label.
- Avoid spills of concentrated product on spray equipment or airplane parts.
- IMMEDIATELY RINSE ANY SPILLS WITH PLENTY OF WATER, AS QUALI-PRO ETHEPHON 2 SL IS CORROSIVE.

### EQUIPMENT CLEANING

Because of the acidic nature of this product, prolonged exposure to spray deposits will damage acrylic plastics, certain paints, and metals. Rinse thoroughly all exposed acrylic-plastic materials and painted surfaces with a detergent and water within one hour after exposure to spray deposits.
Coomitment with Products containing the active ingredient Trinexapac-Ethyl: Tank mixtures of Quali-Pro Ethephon 2 SL at 5
STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE:
Store in a cool, dry place and away from food, feed, and other pesticides.

IF SPILLED: If container is broken or contents have spilled, follow all precautions indicated above and clean up immediately. Before cleaning up, put on full-length trousers, long-sleeved shirt, protective gloves, and goggles or face shield. Soak up spill with absorbent media such as sand, earth, or other suitable material and dispose of waste at an approved waste disposal facility.

PESTICIDE DISPOSAL:
Pesticide wastes are acutely hazardous. 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:
Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If container is burned, stay out of smoke.

IMPORTANT: Read the entire DIRECTIONS FOR USE and the LIMITATION OF WARRANTY AND LIABILITY before using this product. If terms are not acceptable, return the unopened product container at once.

LIMITATION OF WARRANTY AND LIABILITY
Read the entire Directions for Use, Conditions 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 Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. 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 Makhteshim Agan of North America, Inc.’s election, the replacement of product.

QualiPro® is a registered trademark of Makhteshim Agan of North America, Inc.

Primo MAXX™ is a trademark of Syngenta Crop Protection.
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