A FUNGICIDE FOR THE CONTROL OF DOWNY MILDEW, PHYTOPHTHORA, PYTHIUM AND VARIOUS OTHER DISEASES ON AGRICULTURAL AND GREENHOUSE CROPS, INDOOR AND OUTDOOR ORNAMENTALS, BEDDING PLANTS AND FORESTRY APPLICATIONS AND DOMESTIC TREES INCLUDING CONIFERS, PINES, OAKS AND TURF

ACTIVE INGREDIENTS:
Mono- and dipotassium salts of Phosphorous Acid* ........................................ 53%
OTHER INGREDIENTS: .................................................................................. 47%
TOTAL .................................................. 100%

*Contains 6.22 lbs./gallon of active ingredients, mono- and dipotassium salts of Phosphorous Acid. Equivalent to 3.90 lbs. Phosphorous Acid/gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See inside label booklet for First Aid and additional precautionary statements.

FIRST AID STATEMENTS

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:
- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

If swallowed:
- Call a poison control center or doctor for treatment advice.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: 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 or rinsate.

PHYSICAL AND CHEMICAL HAZARDS

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC - 1-800-424-9300.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

Do not apply this product in a way that will contact workers or other person, 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 State or Tribal 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. 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 4 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 over long-sleeved shirt and long pants,
- Socks, shoes,
- Chemical resistant gloves,
- Protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not enter treated areas without protective clothing until sprays have dried.

GENERAL APPLICATION INSTRUCTIONS

Apply RAMPART® T&O Fungicide by various application methods, including foliar sprays, trunk injection, soil drench, soil incorporation, and bare root dip. For foliar sprays, apply RAMPART T&O Fungicide with sufficient water for adequate coverage of foliage, according to crop and growth stage. To insure good coverage, spray to wet.

GENERAL APPLICATION INSTRUCTIONS (TRUNK INJECTION ONLY)

RAMPART T&O Fungicide is a systemic fungicide for the prevention and treatment of Downy Mildew, Sudden Oak Death (Phytophthora ramorum), root rots (Phytophthora spp.), Pythium and various other disease of agricultural trees, indoor and outdoor ornamentals, forestry applications including domestic trees, conifers, pines and oaks. This product may be applied up to the day of harvest.

MIXING INSTRUCTIONS

1. Fill the spray tank with ⅔ of the required volume of water.
2. Add RAMPART T&O Fungicide slowly to the tank and agitate by hydraulic or mechanical means.
3. Continue to fill the tank with water to the desired volume while agitation.
4. Continue agitation when applying.

For 5 gallon (18.925 liters) container sizes: this package can treat up to 4 acres at the maximum treatment rate.

For 2½ gallon (9.463 liters) container sizes: this package can treat up to 2 acres at the maximum treatment rate.

For 1 gallon (3.785 liters) container sizes: this package can treat up to 34,848 sq. ft. at the maximum treatment rate.

For 2½ gallon (9.463 liters) container sizes: this package can treat up to 2 acres at the maximum treatment rate.

For 5 gallon (18.925 liters) container sizes: this package can treat up to 4 acres at the maximum treatment rate.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:
- Long-sleeved shirt and long pants,
- Shoes plus socks,
- Protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (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:
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

EPA REG. NO. 34704-924
EPA EST NO. 34704-MS-001
NET CONTENTS 2½ GALS. (9.46 L)

091008 V3D 02B12
LOW VOLUME AND ULTRA-LOW VOLUME APPLICATIONS

Label rates are written for conventional application equipment. For LV/ULV equip-
ment, use per acre rate of RAMPART T&O Fungicide and adjust amount of water
to equipment needs. Always conduct a phytotoxicity test on a small area before
applying to a large area in order to assess any potential risk to plants.

COMPATIBILITY

Mixing RAMPART T&O Fungicide with certain surfactants, foliar fertilizers or other
pesticides may result in crop injury. RAMPART T&O Fungicide is a slightly acidic
buffer solution. Avoid mixing RAMPART T&O Fungicide with strongly acidic or alkali-
line materials. Do not tank mix without first testing the mixture’s compatibility nor
apply it without assessing its safety to the crop (phytotoxicity). It is not possible to
test all material combinations and environmental tank mix combinations. Always
conduct a test with the intended tank mix on a small area prior to any large scale
applications. To determine if a combination is phytotoxic to a specific crop, spray
a small area of foliage and fruit, and then evaluate 3-7 days later for visual symptoms.

Test the compatibility of spray adjuvants (i.e. stickers, spreaders, wetting agents)
with RAMPART T&O Fungicide before use. Do not use acidiﬁying type compatibil-
ity agents.

To determine the compatibility of RAMPART T&O Fungicide with other products,
use a jar compatibility test. Add the correct proportions of each product and the
appropriate quantity of water to clean container, thoroughly mix, then let stand for
3-5 minutes. If the mixture remains in solution or can be remixed readily, the prod-
ucts are considered compatible.

COMPATIBILITY (TRUNK INJECTION ONLY): Only use RAMPART T&O Fungicide
as a trunk injection. To avoid undesirable phytotoxicity, do not apply RAMPART T&O Fungicide to trees treated with other pesticides or copper based compounds at intervals less than 20 days, unless instructed to do so
by your consultant.

CHEMIGATION

APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS

Apply this product through microjet, drip, solid set and center pivot sprinkler irri-
gation systems. Do not apply this product through any other type of irrigation system.

PREPARATION OF INJECTION EQUIPMENT:

Remove scale, pesticide residues and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

APPLICATION INSTRUCTIONS:

Fill tank with ½ to ¾ of desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of RAMPART T&O Fungicide, then the remaining volume of water. Set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the solution of RAMPART T&O Fungicide into the irrigation water line so as to deliver the desired rate per acre. Inject the RAMPART T&O Fungicide solution with a positive displace-
ment pump into the main line ahead of a right angle turn to insure adequate mix-
ing. For other questions about calibration, contact State Extension Service spe-
cialists, equipment manufacturers or other experts.

NOTE: For Microjet and Drip Irrigation Systems: Avoid further irrigation of the treated area for 24 to 48 hours after treatment with RAMPART T&O Fungicide has been completed. For Solid Set and Center Pivot Irrigation Systems: Avoid further irrigation of the RAMPART T&O Fungicide treated area until after the foliage has completely dried. This will help to prevent washing the chemical off the crop.

GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS

The system must contain a functional check valve, vacuum relief valve, and low
pressure drain appropriately located on the irrigation pipeline to prevent water
source contamination from back ﬂow. The pesticide injection pipeline must contain
a functional, automatic, quick-closing check valve to prevent the ﬂow of ﬂuid back
toward the injection pump. The pesticide injection pipeline must also contain a
functional, normally closed, solenoid-operated valve located on the intake side of
the injection pump and connected to the system interlock to prevent ﬂuid from
being withdrawn from the supply tank when the irrigation system is either auto-
matically or manually shut down. The system must contain functional interlocking
controls to automatically shut off the pesticide injection pump when the water pump
motor stops. The irrigation line or water pump must include a functional pressure
drain appropriately located on the irrigation pipeline to prevent water
towards the injection pump. The pesticide injection pipeline must also contain a

Maintain continuous agitation in mix tank during mixing and application to
assure uniformity solution. Do not apply when wind speed favors drift, when
system connection or ﬁttings leak, when nozzles do not provide uniform distribu-
tion, when lines containing the product must be dismantled or drained. Crop
injury, lack of effectiveness, or illegal pesticide residues in the crop may result from
non-uniform distribution of chemigation water.
### Disease Prevention Method

<table>
<thead>
<tr>
<th>Disease</th>
<th>Application Method</th>
<th>Rate</th>
<th>Application Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phytophthora + Pythium + Rhizoctonia + Fire Blight + (Erwinia amylovora) Anthracnose+</td>
<td>Foliar Spray</td>
<td>1-2 quarts/100 gallons of water or 1/3 fluid ounce to 2/3 fluid ounce/gallon of water (2.5-5 liters/1000 liters of water)</td>
<td>Disease Prevention Program*: Apply lower rate at 2-3 week intervals after plants become established. Do not apply RAMPART T&amp;O Fungicide at intervals less than 3 days. Disease Control Program: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply RAMPART T&amp;O Fungicide at intervals less than 3 days.</td>
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### Disease Control Program

**Disease Prevention Program**: Apply lower rate at 2-3 week intervals after plants become established. Do not apply RAMPART T&O Fungicide at intervals less than 3 days.

**Disease Control Program**: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply RAMPART T&O Fungicide at intervals less than 3 days.

*Check with your local Extension Agent if you are unsure these conditions exist.

+ Except CA
**Disease** | **Application Method** | **Rate** | **Application Program**
--- | --- | --- | ---
Phytophthora | Soil Drench | 12-24 fluid ounces/100 gallons of water or 1-3/4 fluid ounce/gallon of water; (1-2 liters/1000 liters of water) | Apply 1-2 pts. of diluted solution per sq. foot. Adjust volume as needed to thoroughly wet media. Apply at 2-3 week intervals and repeat as needed. Do not apply RAMPART T&O Fungicide at intervals less than 3 days.

**Root Dip** | 2 quarts/100 gallons of water; (2½ fluid ounce/gallon of water) 5 liters/1000 liters water | Apply as a pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.

Fusarium+ | Trunk Injection | 3 teaspoons/linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters/linear meter of canopy width or 5 centimeters DBH.) Inject directly in to tree. | Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications.

Pythium Rhizoctonia+ | Foliar Spray | 2-3 fluid ounces/1,000 square feet; (20-30 milliliters/100 square meters) | Apply amount in minimum of 2 gal. of water/1000 sq. ft. Apply at 10-21 day intervals as needed. Do not mow or irrigate treated areas until sprays have completely dried. For sod farms and large areas: Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed.

**Irrigation** | Overhead: 2-3 quarts/acre. (5-7 liters/ hectare) in at least 100 gallons of water; (1000 liters of water), | Apply with normal irrigation schedule. Apply at 10-21 day intervals and repeat as needed.

* Do not graze livestock in treated conifer nurseries and/or plantations. Do not feed forage to livestock from treated nurseries and/or plantations.
+ Except CA

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**TURF**

*(INCLUDES RESIDENTIAL AND COMMERCIAL LAWN APPLICATIONS BY COMMERCIAL APPLICATORS)*

RAMPART T&O Fungicide is a systemic fungicide, which is used for the control of Pythium blight, Summer Complex (Bermuda and others), Dollar Spot, Grey Leaf Spot, Brown Patch, Anthracnose and damping-off diseases to turf grasses on sod farms and lawns, commercial turf production, golf courses (including tees and greens), parks and commercial landscapes. Begin preventative applications when conditions first favor disease and repeat at described intervals. Use higher rates under severe disease conditions.

**Disease** | **Application Method** | **Rate** | **Application Program**
--- | --- | --- | ---
Pythium (Yellow Turf) | Foliar Spray | 2-3 fluid ounces/1,000 square feet; (20-30 milliliters/100 square meters) | Apply amount in minimum of 2 gal. of water/1000 sq. ft. Apply at 10-21 day intervals as needed. Do not mow or irrigate treated areas until sprays have completely dried. For sod farms and large areas: Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed.

Pythium Rhizoctonia+ | Foliar Spray | 3-6 quarts/100 gallons of water/acre; (7-15 liters/1000 liters of water/hectare) | Apply at 20-21 day intervals and repeat as needed.

Irrigation | Overhead: 2-3 quarts/acre. (5-7 liters/ hectare) in at least 100 gallons of water; (1000 liters of water), | Apply with normal irrigation schedule. Apply at 10-21 day intervals and repeat as needed.

* Do not graze animals on treated turf. Do not feed droppings from treated turf to livestock and poultry.
+ Except CA

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**STORAGE AND DISPOSAL**

**PESTICIDE STORAGE:** Do not contaminate water, food, or feed by storage or disposal. Store in a cool, dry place.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse this container or materials in the container. Do not incinerate or incinerate empty containers.

**CONDITIONS OF SALE AND LIMITATION OF LIABILITY BEFORE PURCHASING OR USING THIS PRODUCT, read the entire Directions for Use and the following Conditions of Sale and Limitation of Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way.

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label, or use of this product contrary to the label instructions, all of which are beyond the control of LOVELAND PRODUCTS, INC. and the seller. The buyer or user of this product assumes all such inherent risks.

Subject to the foregoing inherent risks, LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use under normal conditions of use. EXCEPT AS WARRANTED IN THIS LABEL AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS PRODUCT IS SOLD "AS IS." AND LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

IN THE UNLIKELY EVENT THAT BUYER OR USER BELIEVES THAT LOVELAND PRODUCTS, INC. HAS BREACHED A WARRANTY CONTAINED IN THIS LABEL AND TO THE EXTENT REQUIRED BY APPLICABLE LAW, BUYER OR USER MUST SEND WRITTEN NOTICE OF ITS CLAIM TO THE FOLLOWING ADDRESS: LOVELAND PRODUCTS, INC., ATTENTION: LAW DEPARTMENT, P.O. BOX 1286, GREELEY, COLORADO 80632-1286.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE BUYER’S OR USER’S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORTS, SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

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LOVELAND PRODUCTS, INC.

P.O. BOX 1286, GREELEY, COLORADO 80632-1286