

34704-909

6/2/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Premjit Halarnkar, Ph.D., MPA  
Loveland Products  
P.O. Box 1286  
Greeley, CO 80632-1286

**JUN 02 2014**

Re: Application for Pesticide Labeling Amendment  
Radiate  
EPA Reg. No. 34704-909  
Your submission dated April 21, 2014

Dear Dr. Halarnkar:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has been received and reviewed. BPPD has determined that the amendment is acceptable provided that you submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e).

Please provide three (3) copies of your final printed labeling to the Agency prior to shipment of your product. Should have any questions, you may contact Leonard Cole directly at 703.305.5412 or via email at [cole.leonard@epa.gov](mailto:cole.leonard@epa.gov).

Sincerely,

Linda A. Hollis, Chief  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)

CONCURRENCES

SYMBOL	▶ 7511P						
SURNAME	▶ COLE						
DATE	▶ 5/7/14						

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# Radiate

Reduces transplant shock and promotes shoot and root growth.

<b>ACTIVE INGREDIENTS:</b>		<b>By Wt</b>
3-Indolebutyric acid (IBA) .....		0.85%
Cytokinin, as Kinetin .....		0.15%
<b>OTHER INGREDIENTS:</b> .....		<b>99.00%</b>
	<b>TOTAL</b>	<b>100.00%</b>

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

FIRST AID	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  <b>FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL 1-866-944-8565.</b></p>	

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

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

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or 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.

**ACCEPTED**

**JUN 02 2014**

EPA REG. NO. 34704-909

EPA EST. NO. 72639-CA-001

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for  
the pesticide registered under  
EPA Reg. No. 34704-909

**NET CONTENTS 1.0 US GAL (3.785 L)**

EXP 04/14

**RADIATE®**  
**EPA REG. NO. 34704-909**

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

**Applicators and other handlers must wear:**

- Long sleeved shirt and long pants,
- Chemical resistant gloves in Category A, such as butyl rubber ≥ 14 mils, or natural rubber ≥ 14 mils, or neoprene rubber ≥ 14 mils or nitrile rubber ≥ 14 mils, and
- Shoes plus socks.

Follow the 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.

**PHYSICAL OR CHEMICAL HAZARDS**

Combustible. Do not use or store near heat or open flame.  
For chemical spill, leak, fire or exposure, call CHEMTREC at 1-800-424-9300.

**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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**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 handlers may be in the area during applications. 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 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,
- Chemical resistant gloves in Category A, such as butyl rubber ≥ 14 mils, or natural rubber ≥ 14 mils, or neoprene rubber ≥ 14 mils or nitrile rubber ≥ 14 mils, and
- Shoes plus socks.

**GENERAL INFORMATION**

Radiate® contains two (2) different plant growth regulators (PGRs) that stimulate early and improved root development. In addition, Radiate contains a mixture of vitamins that aid in successful transplanting and plant growth.

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When using a non-ionic surfactant, Loveland Products, Inc. recommends LI 700® at 0.25% to 0.5% v/v.

**USE DIRECTIONS FOR CHEMIGATION**

Apply Radiate through fixed or standing irrigation systems or through foliar applications. Foliar applications are preferred. Apply this product only through the following types of irrigation systems:

1. Sprinkler including big gun, solid set or hand move irrigation systems.
2. Calibrated overhead watering booms.
3. Drip (or micro sprinkler) irrigation systems.

Before applying this product through any type of irrigation system, perform a small-scale trial to determine if product performance and phytotoxicity results are acceptable.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems), used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person shall shut the system down and make necessary adjustments should the need arise.

**CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS**

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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 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 automatically 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, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

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Agitate the pesticide supply tank throughout the application of Radiate. Except for turfgrass, apply Radiate at the rate of 20.0 fluid ounces per acre at the end of the irrigation period in a sufficient amount of water to allow proper coverage of plant or crop. Fill the supply tank one-half full with water, add the appropriate amount of Radiate to the tank and finish filling the tank with water.

**DRIP/TRICKLE OR SPRINKLER CHEMIGATION**

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 backflow.

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 automatically 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 switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment. (This statement only applies to sprinkler chemigation.)

Agitate the pesticide supply tank throughout the application of Radiate. Except for turfgrass, apply Radiate at the rate of 20.0 fluid ounces per acre at the end of the irrigation period in a sufficient amount of water to allow proper coverage of plant or crop.

Fill the supply tank one-half full with water, add the appropriate amount of Radiate to the tank and finish filling the tank with water.

**SUGGESTED MINIMUM SPRAY VOLUME (GAL)/A WHEN APPLYING RADIATE**

Crop	Ground		Air
	Dilute	Concentrate	
Vegetables, Field crops	15.0	—	5.0
Small fruits, Vines, Miscellaneous	150.0	50.0	15.0
Tree crops	400.0	50.0	20.0
Citrus	800.0	100.0	20.0

Depending upon the equipment used, and the specific crop, the spray volume applied per acre will differ. **Special considerations:** Radiate compatibility with other agricultural products has not been fully investigated. Compatibility of Radiate with other products requires testing for crop safety and performance prior to large-scale use. Products mixed with Radiate must be acidic (pH less than 7). Do not mix Radiate with any product(s) having a pH greater than 7. Repeat application may be necessary if it rains within 2 hours after application.

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Depending upon the equipment used and specific crop, spray volume applied per acre will differ. Apply sufficient water volume to ensure thorough coverage.

**APPLICATION INSTRUCTIONS TO REDUCE TRANSPLANT SHOCK AND PROMOTE NEW PLANT GROWTH**

<b>Crop</b>	<b>Amount of Radiate (Fl Oz)</b>	<b>Application Timing</b>	<b>Remarks</b>
Alfalfa, Clover, Hay	2.0 fl oz/A*	Seedling Alfalfa, Clover, Hay: apply at 2 to 4 trifoliolate stage. Established crop: at green-up	Promotes new root development and growth.
Brassica vegetables such as: Broccoli, Cabbage, Cauliflower & Mustard greens	Drench application in transplant water at 1.3 fl oz in 10.0 gal water.	1st: At time of transplant. 2nd: 10 to 14 days after first application.	Foliar application: Apply to achieve full coverage; use a non-ionic surfactant for hard to wet crops such as Cabbage.
	Foliar application: 2.0 fl oz/A*	1st: At 2 to 4 true leaf stage. 2nd: 10 to 14 days after first application.	
Bulb crops such as: Onion, Garlic, Leek	4.0 fl oz/A*	1st: At 2-to 4-leaf stage. 2nd: 10 to 14 days after first application.	
Canola (Oil)	2.0 fl oz/A*	1st: At 2- to 4-leaf stage.	Tank mix with glyphosate products registered for use on Roundup Ready® Canola.
Cereal crops, including Wheat, Barley, Rye, and Oats	2.0 fl oz/A*	1st: From the mid-tillering stage to the beginning of heading.	
Citrus fruits such as: Grapefruit, Lemon and Sweet orange	13.0 fl oz in 100 gal water	Apply when fruit are 5 mm in size. Make additional applications if needed.	Thoroughly apply spray.
Corn (Sweet, Field and Popcorn)	2.0 fl oz/A*	At 2- to 6-leaf stage.	Tank mix with glyphosate products registered for use on Roundup Ready Corn.
Cotton	2.0 fl oz/A*	1st: At 2 to 4 true leaf stage 2nd: 10 to 14 days after first application.	Can be tank mixed with glyphosate products registered for use on Roundup Ready Cotton.
Cucurbit vegetables such as: Cantaloupe, Cucumber, Honeydew, Muskmelon, Summer squash, and Watermelon	2.0 fl oz/A*	1st: If seeded, apply at 2 to 4 true leaf stage. 2nd: 10 to 14 days after first application.	Enhances root growth.
Fruiting vegetables such as: Eggplant, Pepper and Tomato	2.0 fl oz/A*	1st: At 2 to 4 true leaf stage. 2nd: 10 to 14 days later.	—
Grape	4.0 to 6.0 fl oz in 100 gal water	1st: Apply when Grapes are 2 to 3 mm in size. 2nd: 10 to 14 days after first application. 3rd: 45 days prior to harvest. 4th: 30 days prior to harvest.	Increases potential to enhance berry size.

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<b>Crop</b>	<b>Amount of Radiate (Fl Oz)</b>	<b>Application Timing</b>	<b>Remarks</b>
Leafy vegetables such as: Celery, Head lettuce, Leaf lettuce and Spinach	2.0 fl oz/A*	1st: At 2 to 4 true leaf stage. 2nd: 10 to 14 days after first application.	—
Legume vegetables (Succulent or dry) such as: Peas, Soybean, all types of Beans	2.0 fl oz/A*	At 2 to 5 trifoliolate leaf stage.	Can be tank mixed with glyphosate products registered for use on Roundup Ready Soybeans.
Peanut	2.0 fl oz/A*	1st: At 2 to 4 true leaf stage. 2nd: From 10 days after first application to peg initiation.	—
Tuber vegetables such as: Potato, Sweet potato, Yam	2.0 fl oz/A*	1st: At 2 to 4 true leaf stage. 2nd: 10 to 14 days after first application.	Foliar applications: apply thoroughly until dripping.
Root vegetables such as: Carrot, Ginseng, Horseradish, Parsley (turnip-rooted), Radish, Sugar beet, and Turnip	2.0 fl oz/A*	1st: At 2 to 4 true leaf stage. 2nd: 10 to 14 days after first application.	Foliar application: thorough spray coverage is necessary.
Pome/Stone fruits such as: Apple, Apricot, Cherry, Peach, Plum, and Plumcot	13.0 fl oz in 100 gal water	Apply when fruit are 5 mm in size. Make additional applications if needed.	—
Rice	2.0 fl oz/A*	1st: At 4- to 5-leaf stage.	—
Strawberry	1.3 fl oz in 10.0 gal water	1st: Spray immediately after transplant. 2nd: 10 to 14 days after first application.	—
Soybeans	2.0 fl oz/A*	At 2 to 5 trifoliolate leaf stage.	Tank mix with glyphosate products registered for use on Roundup Ready Soybeans.
Sorghum	2.0 fl oz/A*	At 2- to 6-leaf stage.	—
Wheat	2.0 fl oz/A*	1st: At 2- to 4-leaf stage.	—

\*If application spray volume is greater than 15.0 gallons per acre, use the dilution rate of 13.0 fluid ounces per 100 gallons water.

**IN-FURROW APPLICATION OF RADIATE ON CROPS**

<b>Crop</b>	<b>Amount of Radiate (Fl Oz)</b>	<b>Application Timing</b>
Barley Field corn Grain sorghum Oats Rye Sugar beets Sugarcane Wheat	2.0 to 4.0 fl oz/A	Apply at planting in the seed furrow or 2 inches beside and 2 inches below seed or with a strip till machine 3 inches below the seed. Can be applied with or without starter fertilizer.

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**TURFGRASS**

**For Sod Grass:** Apply Radiate by ground using 20.0 to 40.0 gallons of water per acre. Use 2.5 fluid ounces to 6.5 fluid ounces product in 20.0 gallons to 40.0 gallons of water, respectively, at a 1:1000 dilution rate.

**For Turfgrass:** Apply Radiate by ground according to the table below using 1.0 to 10.0 gallons of water per 1000 square feet. Use Radiate for turf growth suppression at the dilution rate of 1:300 (4.2 fluid ounces product per 10.0 gallons water).

<b>Turf</b>	<b>Amount (Radiate/Gal Water/1000 Sq Ft*)</b>	<b>How and When to Apply</b>
<b>Warm climate grasses</b> such as: Bermuda, Bermuda hybrids, Centipede, St. Augustine & similar warm season grasses	0.13 to 0.65 fl oz/1.0 to 5.0 gal of water /1000 sq ft	Make applications at 2-week intervals during the growing season.
Dichondra	0.65 to 1.3 fl oz/5.0 to 10.0 gal of water /1000 sq ft	Make applications at 2-week intervals during the growing season.
<b>Cool Climate grasses</b> such as: Bluegrass, Fescue, Rye, and similar cool season grasses	0.13 to 0.65 fl oz/1.0 to 5.0 gal of water /1000 sq ft	Make applications at 2-week intervals during the growing season.

\*Apply 0.13 fluid ounce per gallon.

**ORNAMENTALS**

**Greenhouse and nursery grown ornamentals**

Differences in responsiveness may vary from one cultivar to another or from one set of growing conditions to another. Unless previous experience dictates otherwise, prior to widespread use, test a small number of plants from each cultivar to verify desired efficacy.

**Foliage Plants:**

- |            |               |              |                        |
|------------|---------------|--------------|------------------------|
| Aglaonema  | Dieffenbachia | Maranta      | Schefflera             |
| Ajuga      | Dracaena      | Palms        | Schlumbergera          |
| Anthurium  | Ficus         | Peperomia    | Spathiphyllum          |
| Aphelandra | Fittonia      | Philodendron | Syngonium              |
| Caladium   | Gynura        | Pilea        | Tradescantia           |
| Cissus     | Hoya          | Pothos       | Similar foliage plants |

**Bedding and Flowering Plants:**

- |               |            |            |                |
|---------------|------------|------------|----------------|
| Abutilon      | Cyclamen   | Impatiens  | Portulaca      |
| Aglais        | Dahlia     | Iris       | Roses          |
| Alyssum       | Delphinium | Jasminum   | Salvia         |
| Calceolaria   | Dianthus   | Lily       | Scabiosa       |
| Canna         | Foxglove   | Lupine     | Sedum          |
| Carnation     | Fuchsia    | Marigold   | Sempervivum    |
| Champaca      | Gardenia   | Michelia   | Tulips         |
| Chrysanthemum | Gazania    | Monarda    | Vinca          |
| Cineraria     | Geranium   | Osmachus   | Zinnia         |
| Columbine     | Gladiolus  | Petunia    | Similar plants |
| Coral Bells   | Gloxinia   | Poinsettia |                |



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**Woody Ornamentals:**

Arborvitae	Carissa	Juniper	Rhododendron
Aucuba	Chinese magnolia	Maple	Viburnum
Azalea	English ivy	Pine	Similar plants
Boxwood	Holly	Podocarpus	

**Garden Grown Tree Fruits:**

Apple	Guava	Litchi	Persimmon
Asian pear	Grape	Longara	Plum
Apricot	Jujubee	Mango	Prunes
Cherry	Kumquat	Orange	Starfruit
Fig	Lemon	Peach	Similar plants

**Application Rates and Timing:**

Dilute 0.85 fluid ounce of Radiate in 10.0 gallons of water (1:1500 dilution rate) for plants less than 2 years old. Dilute 1.3 fluid ounces Radiate in 10.0 gallons of water (1:1000 dilution rate) for mature plants. Repeat applications at 10 to 14 day intervals when required. Apply the last spray 1 to 2 weeks prior to sale. Uniform and thorough spray coverage is necessary for best results.

**CUTTINGS**

**Dilution rate:**

**For softwood cuttings use a 1:20 dilution rate** (0.5 fluid ounce product in 10.0 fluid ounces of water); **For medium wood cuttings use a 1:10 dilution rate** (1.0 fluid ounce product in 10.0 fluid ounces of water); **For hard wood cuttings use a 1:5 dilution rate** (2.0 fluid ounces product in 10.0 fluid ounces water).

Radiate: Use on **all nursery stock cuttings** including **Woody ornamentals, Deciduous hardwoods, Evergreens, Ground Covers, and Perennials** such as: African violet, Arborvitae, Azalea, Aster, Barberry, Begonia, Boxwood, Camellia, Crape-myrtle, Clematis, Chrysanthemum, Cypress, Dahlia, Delphinium, Dogwood, Euonymus, Forsythia, Fuchsia, Geranium, Heather, Hibiscus, Holly, Honeysuckle, Ivy, Japanese quince, Jasmine, Juniper, Lilac, Magnolia, Minor, Myrtle, Pachysandra, Photinia, Pivet, Pyracantha (Firethorn), Rhododendron, Rose, Spirea, Yew, Viburnum, Vinca, Wriggle and many others.

Obtain cuttings from vigorous, healthy plants and keep cuttings moist and cool such as in an ice chest. With a sharp knife, trim the cutting (2 to 8 inches long) with a diagonal cut just below a node or leaf. Dip the basal end of cutting, individually or in bunches, into the Radiate solution for **3 to 5 seconds**.

Following dipping, place cuttings into planting medium. Depending on the species, rooting will take place in several weeks or months under a moist greenhouse environment. Transplanting may be performed once the cuttings have rooted.

**TO REDUCE TRANSPLANT SHOCK AND PROMOTE NEW ROOT GROWTH - For Shrubs, Flowers, Groundcovers & Houseplants**

**Rose, Arborvitae, Gardenias, flowering trees and other ornamentals in bare root transplant or from containers:** Use 2.0 tablespoons of Radiate per 10.0 gallons of water. Apply solution to root area in transplanting hole and then cover roots with soil. After planting, repeat applications biweekly as a drench to thoroughly wet the root area using a solution consisting of 1.0 tablespoon of Radiate per 10.0 gallons of water.

**Annual and perennial flowers (bedding plants):** Use 1.0 tablespoon of Radiate per 10.0 gallons of water and apply to thoroughly saturate roots at time of planting. Repeat at weekly intervals until plants are well established.

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**Groundcovers such as Ivy, Iceplant, Geranium, Cotoneaster, Barberry, & Ajuga:** Use 1.0 tablespoon of Radiate per 10.0 gallons of water and apply thoroughly to saturate the root area at time of planting. Repeat at weekly intervals until plants are well established.

**Houseplants (repotting and planting):** Use 1.0 tablespoon of Radiate per 10.0 gallons of water and water thoroughly at weekly intervals to saturate the root zone until plants are well established.

**Established plants:** To continue new root growth, use 1.0 tablespoon of Radiate per 10.0 gallons of water and water plants with solution once a month.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Radiate should be stored in its original container in a cool, dry locked place out of the reach of children and out of direct sunlight.

**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 to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at [www.acrecycle.org](http://www.acrecycle.org). If not recycled, then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**For packages up to 5 gallons: 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.

**For chemical spill, leak, fire or exposure, call CHEMTREC at 1-800-424-9300.**

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

BEFORE BUYING OR USING THIS PRODUCT, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and 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

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when the product is used in strict accordance with such 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, CO 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, OR 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, LOVELAND PRODUCTS, INC. AND 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.

LI 700 and Radiate are registered trademarks of Loveland Products, Inc.  
Roundup Ready is a registered trademark of Monsanto Technology LLC.

**FORMULATED FOR**  
**LOVELAND PRODUCTS, INC.**  
**P.O. BOX 1286, GREELEY, COLORADO 80632-1286**