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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

APR 3 2009

Scott Baker Manager Registrations Loveland Products, Inc. P.O. Box 1286 Greeley, Colorado 80632-1286

Subject: Label Notifications for Pesticide Registration Notice 2007-4 and 98-10

1. Primary brand name change EVADE 4 FL

Dear Mr. Baker:

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 and 98-10 dated February 26, 2009 for:

EPA Registration 34704-915 EVADE 4 FL

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and 98-10 and finds that the label change(s) requested falls within the scope of PRN-2007-4 and 98-10. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by nonnotification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

Linda Arrington

Notifications & Minor Formulations Team Leader Registration Division (7505P)

Office of Pesticide Programs

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Please read instructions on a	Environmenta	a form. Inited States I Protection	n Agency		MB No. 2070 Registratio Amendmer Other	n OPP I	oval expires 2-25-35 dentifier Number
		Application	n for Pesticide -	Section I			
1. Company/Product Numbe 34704-915	•		2. EPA Produ	ict Manager		3. Proposed	Classification Restricted
4. Company/Product (Name) Prodiacade Herbicide			^{РМ#} Д3				//
5. Name and Address of App Loveland Products, In P.O. Box 1286 Greeley, Colorado 80 Check if this	nc.	de)	(b)(i), my pr to: EPA Reg.		ar or identical 3-10	in compositi	Section 3(c)(3) on and labeling ICATION 3 2009
		<u> </u>	Section - II	arrie		,,,,,,	0 () 2003
Amendment - Explain Resubmission in resp Notification - Explain Explanation: Use addition Notification of conta	onse to Agency letter below. al page(s) if necessar	y. (For section	Age "Me	al printed labels incy letter dated Too" Applicati er - Explain belo	on.	ne.	
			Section - III				
1. Material This Product Will Child-Resistant Packaging Yes No * Certification must be submitted	Be Packaged in: Unit Packaging Yes No If "Yes" Unit Packaging wgt.	No. per container		ging lo. per ontainer	✓ Gi		
3. Location of Net Contents Label Manner in Which Label is	ontainer	4. Size(s) Reta	, 2.5, 30, 55 gal.		ation of Label Di] ssure Sensitive		
		Stencile	Section - IV		- 1		
1. Contact Point (Complete	items directly below t	or identification		tacted, if neces	ssary, to proces	s this applica	tion.)
Name Scott Baker		1	Fitte Registration Manager			-347-1468 o	nclude Area Code)
	y knowlinglly false or		ion all attachments thereto ement may be punishal		ate and complet aprisonment or	6. Dafe	Stamped)
2. Signature	h	1	. Title Registration Manager		6 6 6 6 6 6 6	0 (. u
4. Typed Name Scott Baker		5	. _{Date} Februa	ıry 26, 2009)	() () () () () ()	U





Performance

Quality

Value

February 26, 2009

Document Processing Desk (REGIS)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
1801 S. Bell Street
Room 226A, Crystal Mall 2
Arlington, VA 22202

Subject:

Prodiacade Herbicide - EPA Reg. No. 34704-915

Loveland Products, Inc., is submitting an application by notification to update the container disposal in accordance with PR Notice 2007-4 and to change the primary brand name, this product will now be sold as EVADE 4 FL.

Please find the following enclosed:

- 1. Application for Registration
- 2. 2 copies of revised label

Primary Brand Name change: This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Container Disposal: Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Please contact me at 970-347-1468 or by e-mail: <u>scott.baker@uap.com</u> if there are any questions or comments concerning this submission.

Sincerely,

Scott Baker

Registration Manager

Enclosures





PRODIACADE HERBICIDE



For selective preemergence control of grass and broadleaf weeds in:

- established turfgrasses (excluding golf course putting greens)
- · lawns, and sod nurseries, container, field-grown, and landscape ornamentals
- · hardwood seedling nurseries
- · established perennial and wildflower plantings
- · Christmas tree farms

ACTIVE INGREDIENT:		
Prodiamine*		. 40.7%
OTHER INGREDIENTS:		. 59.3%
	TOTAL	100.0%
*CAS No. 20001 24 2		

Prodiacade contains 4 pounds active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

See additional precautionary statements and directions for use inside booklet.

FIRST AID

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 or convulsing 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 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
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 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.

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

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-301-7976.

EPA REG. NO. 34704-915 EPA EST. NO. 34704-MS-1

NET CONTENTS: 1 GAL. (3.78 L)

03/06

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

May be harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing vapor. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact, while mixing or handling the concentrated material, may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment

WPS Uses

Applicators, mixers, loaders, and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR part 170) - in general, agricultural-plant uses are covered - must wear: Long-sleeved shirt and long pants and shoes plus socks.

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

Engineering Control Statements

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 CRF 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided with all of the PPE specified above for applicators and other handlers, and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

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.

After handling this product immediately remove PPE, wash yourself thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash water.

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 indirectly through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, 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 12 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 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.



STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food, or feed by storage or disposal. For minor spills, leaks, or other accidental contamination, follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during clean up and disposal of wastes.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be dis-

posed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL (DISPOSABLE CONTAINERS): Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of container in a sanitary landfill, or incinerate, or burn if allowed by state and local authorities Stay out of smoke from burning container.

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

(Optional text for refillable containers)

This is a refillable container that must be returned to an authorized Loveland Products facility for refilling or disposal. For more information contact Loveland Products at 970-356-4400.

GENERAL INFORMATION

Where to Use

Prodiacade is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- · established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- · container, field-grown, and landscape ornamentals
- · hardwood seedling nurseries
- established perennial and wildflower plantings
- · Christmas tree farms

How Prodiacade Works

Prodiacade controls susceptible weeds by preventing growth and development of newly germinated weeds. Weed control is most effective when Prodiacade is activated by at least 0.5 inches of rainfall or irrigation or shallow incorporation (1-2 inches) before weed seeds germinate and within 14 days following application.

Use Precautions

- 1. Do not graze or feed livestock forage cut from areas treated with Prodiacade.
 2. Follow all applicable directions, restrictions, and precautions on the labels of EPAregistered tank mix partners.
- 3. Do not blend Prodiacade onto dry fertilizer or any other granular material.
- 4. Chemigation: Do not apply this product through any type of irrigation system unless instructed otherwise in this label.
- 5. Do not apply aerially.
- 6. Do not apply to golf course putting greens.

MIXING AND APPLICATION PROCEDURES

Mixing Prodiacade Alone

Prodlacade must be mixed thoroughly in the spray tank to ensure uniform application.

- 1. Fill the spray tank 1/4 full with clean water only.
- 2. Start agitation and check to ensure it is working properly.
- 3. For tank mixing instructions, refer to the section "Mixing Order for Tank Mixtures."
- 4. Maintain vigorous agitation in the spray tank before and during the application. This will ensure a well-mixed spray suspension. If Prodiacade was mixed with fertilizer in the spray tank, the fertilizer may aid resuspension of Prodiacade if agitation is disrupted. However, it is recommended that the entire tank be used before stopping agitation.
- 5. A spray colorant may be used with Prodiacade to mark areas as they are treated. This will improve application accuracy by minimizing swath skips and overlaps.
- 6. Thoroughly clean the sprayer after use by flushing the system with water containing a detergent.
- 7. Refer to the Pesticide Disposal section of this label for waste disposal. Do not allow spray suspension to dry in the tank.

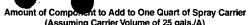
Tank Mixing Prodiacade

Prodiacade may be tank mixed with certain other EPA-registered herbicides to provide a broader spectrum of weed control or to control emerged weeds. Refer to the specific directions for use for tank mix partners, and refer to the label(s) of the individual tank mix partner(s) for use rate, application timing, weeds controlled, and specific precautions and/or restrictions. Tank mixes are permitted only in states where the tank mix partner(s) are registered for the application site and the turf and ornamental species listed. When using Prodiacade in a tank mixture with other pesticides, follow restrictions and precautions on the labels of the products used.

Before tank mixing pesticides, test compatibility by mixing the products in a small container first. See the Compatibility Test section.

Compatibility Test

Before mixing Prodiacade with other pesticides in the spray tank, test for compatibility by mixing all components (carrier and pesticide products) in an appropriate container in proportionate quantities. For example, 1 qt. would be 1/100 the volume of 25 gals/A spray rate. At 1.0 lb./A, the Prodiacade rate would be proportional to 6 ml. per quart. Add approximately 1 teaspoon to a quart of water. (See following table).



	Rat	e Per	
Component Formulations	Acre	1,000 sq. ft.	Level Teaspoons
Prodiacade	21.0 ozs.	0.5 oz.	1.0
Dry Tank Mix Partners	1.0 lb.	0.4 oz.	1.5
Liquid Tark Mix Partners	9.0 pt.	• 0.4 eze	0.5

If compenents do not ball-up or form flakes, studge, gels oily films, or layers, then the mixture is compatible. Let the mixture is compatible after mixing stand of 15 minutes incompatibility will usually occur within 5 minutes after mixing it components are not compatible, use a compatibility agent and reput the total mixing if the mixing it is not a compatibility agent and reput the total mixing if the mixing it is not a compatible. bility agent and rerun the test to determine if the mixture is suitable. If the components are still not compatible, do not tank mix.

Mixing Order for Tank Mixtures

Notes: (1) When mixing Products of completely dissolve between steps. (2) Maintain agitation throughout mixing and application of the mixture.

Add the products to the spray tank in the following order:

- 1. Add the products packaged in water-soluble bags first. Agitate the tank mixture. Allow the water-soluble bags to completely dissolve and the products to disperse before adding any other tank mix partners.
- 2. Then add water-dispersible granules (WDG or WG formulations) and wettable powders (WP formulations). Add wettable powders to the tank as agitation continues. Allow the product to disperse completely before other products are added.
- 3. Add spray adjuvants and spray markers. Read the adjuvant's label first and use only those adjuvants approved for application to turf and ornamentals.
- 4. Add Prodiacade, other flowable liquids (FL) or suspension concentrates (SC).
- 5. Add emulsifiable concentrates (EC) last.

Application

Apply Prodiacade in a minimum of 20 gals/A (0.5 gal/1,000 sq. ft.) of carrier (water and/or fluid fertilizer) using a calibrated, low-pressure sprayer with 50-mesh or coarser screens. A broadcast boom or handheld wand designed for herbicide or insecticide application will provide the best results. Select nozzle pressure and gallonage to provide complete coverage.

Established Turf

Prodiacade is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turfgrasses including:

- · Golf courses excluding putting greens
- Sod nurseries

The maximum amount of Prodiacade that may be applied per year is given for each turfgrass species in the Annual Use Rates section of this label.

For optimum weed control, Prodiacade should be activated by at least 0.5 inch of rainfall or irrigation before weed seeds germinate and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

Crabgrass Seed Germination Dates



Use Restrictions - Turfgrass: Golf Courses, Lawns, and Sod Nurseries

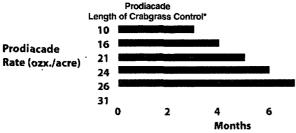
- 1. Do not apply Prodiacade to areas where dichondra, colonial bentgrass, velvet bent grass or annual bluegrass (Poa annua) are desirable species.
- 2. Do not cut (harvest) treated sod before 90 days after application. To avoid turfgrass injury, do not apply to newly set sod until the sod has rooted and exposed edges have filled in.
- 3. To avoid turfgrass injury do not apply Prodiacade to turf stressed by conditions such as drought, low fertility, or pest damage.
- 4. Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.
- 5. Do not apply Prodiacade to golf course putting greens.
- 6. If you consistently mow creeping bentgrass at a height of less than 0.5 inch do not apply Prodiacade.

Application Timing and Rate - Turfgrass

Prodiacade may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made before target weeds germinate because Prodiacade will not control weeds that have already

The amount of Prodiacade to apply depends upon:

- 1. the length of residual weed control desired (the higher the application rate, the longer the control),
- 2. the turf species,
- 3. the maximum amount which can be applied to the turf species per calendar year. (See the next 2 tables.)



*Length of control varies by region. This table is an average.

Annual Use Rates - Turfgrass

Prodiacade can be applied to the turfgrass species listed in the following table. Note: Do not apply more than the highest rate listed for each species in a calendar year.

Maximum Application Rate of Prodiacade Per Calendar Year by Turf Species			
Turf Species	Oz. Product/A	Oz. Product/1,000 sq. ft.	
Bermudagrass ² Bahiagrass Centipedegrass Kikuyugrass Seashore Paspalum St. Augustinegrass ³ Tall fescue (including turf-type) Zoysiagrass	21-481	0.5 - 1.1	
Buffalograss Kentucky Bluegrass Perennial Ryegrass	10-301	0.23 - 0.70	
Fine Fescue	10-24 ¹	0.23 - 0.55	
Creeping Bentgrass (0.5 inch or more in height ⁴)	10-211	0.23 - 0.48	

- 1 Prodiacade may be applied more than once a year as long as the total amount applied is not greater than the maximum application rate for each turf species. All applications must be made before weed seeds germinate.
- 2 May be used on newly sprigged or plugged bermudagrass at rates not to exceed 17 ozs./A (0.39 oz./1,000 sq. ft.). Newly sprigged or plugged bermudagrass stolon rooting may be temporarily inhibited.

 3 Use an initial rate of 16-32 oz/A per application.
- To avoid grass injury, do not apply Prodiacade to creeping bentgrass mowed at less then 0.5 inch in height.

Weeds Controlled

When used as directed in this label, Prodiacade will control the following weeds:

Barnyardgrass Kochia Bluegrass, Annual (Poa annua)1

Lambsquarters, Common

Carpetweed Lovegrass

Chickweed, Common² Panicum, (Texas, Fall, Browntop) Chickweed, Mouseear (from seed) Pigweed

Crabgrass (Large, Smooth)3 Purslane, Common Pusley, Florida Rescuegrass⁴ Crowfootgrass Cupgrass, Woolly Foxtails, Annual Goosegrass⁵ Henbit² Shepherdspurse² Signalgrass, Broadleaf Speedwell, Persian Sprangletop Itchgrass Spurge, Prostrate Johnsongrass (from seed)

Junglerice Witchgrass Woodsorrel, Yellow (from seed)

¹ In those areas where Poa annua is a winter annual, apply Prodiacade (see rate table) in August or September to established, non-overseeded turf before Poa annua seeds germinate. These timings are approximate. Consult State Extension Service for more specific timing for your area. Also see the section of this label Poa Annua Control in Established Bermudagrass Overseeded with Perennial Ryegrass

(AZ, CA, NV, and TX Only)

To control this weed , apply Prodiacade in late summer, fall, or winter before weeds

germinate.

3 Fall Applications for Spring Crabgrass Control in Cool-Season Grasses: In those areas where the ground freezes in the winter, Prodiacade can be applied in the fall at rates of 21-24 ozs./A after soil temperatures fall below 50oF, but before the ground freezes. This application will control crabgrass the following spring. 4 Suppression only.

5 In many areas a single appli ion of 21-48 ozs./A of Prodiacade will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, weed control will be most effective by making an initial application of 21-26 ozs./A followed by a second application 60-90 days later. Note: Do not

Rates Table.

When to Apply Prodiacade After Overseeding furf
Injury to deskrable seedlings is likely in Prodiacade in applical before the secondary roots of seedlings are in the second inch of soil, not that the public soil. To reduce the potential to injure overseeded turf, wait 60 days after seeding or until after the second mowing, whichever is longer, before applying Prodiacade.

exceed the maximum rate for the turf species listed in the Maximum Application

When to Overseed After Application - All States
Prodiacade will inhibit the development of surfgrass species overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

*Note: In AZ, CA, NV, and TX the overseeding interval can be shorter in established bermudagrass that has been overseeded with perennial ryegrass. See the next section, Poa Annua Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only).

Amount of Prodiacade	Interval (M	onths Before Overs	seeding)*
Ozs. Product/A	North	Transition	South
16	4	4	4
21	5	4	4
24	6	5	5
26	-	6	6
31	-	7	7
36	-	-	9
42	-	-	10
48	•	-	12

Poa Annua Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only)

Use on golf courses (excluding golf course putting greens), lawns, and sod nurseries when overseeding with perennial rye grass. (Minimum seeding rate of 350 lbs./A.)

mount to apply	When to Apply	Expected Control	Use Precautions
2-21 ozs/A*	6-8 weeds before ryegrass overseeding second application: 4-8 weeks after overseeding or when perennial ryegrass roots are in the second inch of soil	1 application for 70% or greater control of <i>Poa annua</i> second application may	1. Some seedling mortality and temporary reduction in root growth of new seedlings may occur. 2. To reduce the potential for seedling mortality maintain a moist seedbed with light, frequent irrigation. 3. Make no more than 2 applications per year for this use, and do not exceed a total of 27 ozs./A per year. 4. Do not make a second application if any injury to the ryegrass is observed after the first application. 5. Do not make a second application unless the product was first applied before overseeding.

desired (the higher the application rate, the longer the control). Note: The higher the rate, the greater the potential for seedling mortality.

CONTAINER, FIELD-GROWN, AND LANDSCAPE ORNAMENTAL PLANTINGS (INCLUDING CHRISTMAS TREE FARMS) Application, Timing, and Information

Prodiacade:

- 1. Will not control emerged weeds.
- 2. May be applied to newly-transplanted and established ornamentals as a broadcast or over-the-top spray.
- 3. Is most effective when applied to soil free of clods, weeds, and debris such as leaves and mulch.
- 4. Is most effective when the product is activated in the soil before weed seeds germinate and within 14 days after application.
- 5. Is activated when the treated area receives at least 0.5 inch of irrigation or rainfall, or shallow (1 to 2 inches) mechanical incorporation.

Use Precautions

To reduce injury potential:

10 Treduce Injury potential:

1. Direct application of Prodiacade to rapidly growing tissue or buds may injure desirable plants. In the spring when buds are rapidly growing and expanding, overthe-top application of Prodiacade may injure new growth of desirable plants, however, these effects are temporary. To reduce the possibility of injury at this time, wait to apply Prodiacade over the top of newly emerged vegetation until it has hardened off, unless your experience indicates that the ornamental plant will not be injured by the over-the-top application.

After application immediately apply overhead irrigation to the foliage to wash Prodiacade from plant surfaces onto soil (watering the foliage of plants before application may improve the washing process).

Ornamental and Chris	tmas Tree Farms - Application Sites and Instructions
Site	Application Instructions
Newly-Transplanted	Delay application until soil has settled around transplants.
Container or Field	Water transplants thoroughly before application.
Nursery Stock	Apply after cuttings form roots and are established.
	4. To avoid inhibition of the tissue union, apply before
	budding/grafting or after buds/grafts have taken.
Established Container,	Apply at any time as a broadcast, over-the-top, or directed
Field Nursery Stock, or	spray.
Landscape Plants	
Landscape (or	Apply as a broadcast, over-the-top, or as a directed spray.
Ornamental) Plantings	Delay applications to newly transplanted ornamentals until
	soil has settled around transplants.
Bare Ground	Apply to soil (including mulch, gravel, wood chips, or other
Application for	permeable base) upon which containerized ornamentals are
Container Placement	placed.
	After Prodiacade is applied, perform shallow cultivation or
	hand weeding only, to avoid disturbing the herbicide barrier.
In Shadehouses and	After Prodiacade is applied, uncovered polyhouses must
Uncovered Polyhouses	
	2 irrigations totaling at least ½ inch of water before covering.
Ornamental Bulbs and	Prodiacade may be applied to bulbs or perennial wildflower
Perennial Wildflower	species listed in the section. Apply before or after bulbs
Plantings	emerge but before bulbs bloom and weeds emerge.
	2. In wildflowers, a postemergence herbicide labeled for wild
	flowers may be needed to control weeds that have already
	l emerged.

How Much Prodiacade Amount to Apply (Broadcast)*	When to Apply	Comments/Instructions
21-48 ozs./A or 0.5-1.1 ozs./1,000 sq. ft.	In fall or spring before weeds germinate or after weeds are removed.	Use the higher rate for longer control. Prodiacade may be applied more than once per year as long as the total amount of product applied does not exceed 48 ozs./A per year.

^{*}Note: For band application, calculate amount per acre:

Band width in inches x broadcast rate = amount to apply/acre of field Row width in inches

Equivalent Measurements for Prodiacade

20000	it moderation to for	Approximate Equivalent -	
ozs/A	ozs./1,000 sq. ft.	Tablespoons/1,000 sq. ft	
21	0.5	1.0	
31	0.7	1.5	
42	1.0	2.0	
48	1.1	2.25	

Tank Mixtures For Use on Ornamentals

Prodiacade may be tank mixed with other registered herbicides listed on this label to provide a broader spectrum of weed control or to control emerged weeds. Tank mixes with Prodiacade are broader spectrum of weed control or to control emerged weeds. Tank mixes with Prodiacade are for use only in states where the tank mix partner(s), application site and intended use pattern are registered.

Follow the label directions of the tank mix partner(s) for application rates, timing, weeds controlled, tolerant ornamentals, and specific use precautions and/or restrictions. Before combining a tank mix partner in the spray tank, test for compatibility as described on this label.

Product	Precautions/Instructions
Goat® (use on conifers only)	Mix with Prodiacade for postemergence control of certain broadleaf weeds including malva and filaree.
Gallery®, Princep®, Pennant Magnum®	See product labels for weed spectrum and tolerant ornamentals.
Touchdown Pro®, Roundup® or other glyphosate-based products, Finale®	These nonselective tank mix herbicides control many emerged annual broadleaves and grasses. Take extreme care to prevent tank mixtures with these partner products from contacting the foliage and stems of turfgrass, trees, shrubs, or other desirable vegetation because desirable vegetation may be severely injured or killed. Apply these tank mixtures as a directed spray and use a shield to prevent spray from contracting foliage of desirable plants. Following instructions on the tank mix partner's label, delay irrigation of the treated area to allow time for the herbicide to be absorbed by weed foliage.

Tolerant Omamental Specie

The species listed below in Table 1 are tolerant to Prodiacade. Prodiacade may be used for application, except in CA, to the species in Table 2. Prodiacade may be applied over the top of the listed species. The species that are not tolerant to Prodiacade when grown in containers are indicated.

When plants are under stress (such as heat, drought, or first damage), some cultivars of listed plants may be sensitive to Prodiacade.

Table 1. Tolerant Ofnamental Species - All States
Scientific Name
Common Name

Abies spp.

Acer palmatum

Acer platinoides

Acer platinoides

Acer platinoides

Acer platinoides

Acer platinoides

Acer platinoides

Actinida chinensis
Agapanthus africanus
Arctostaphylos densifloda
Arctotheca calendula

Kiliv
Kiliv
Kiliv
Liiv etithe-Nile (African Lily)
Vii e Hill Manzanita
Cape Weed

Arctotheca calendula
Aucuba japonica
Berberis gladwynensis
Berberis julianae
Berberis mentorensis
Berberis thunbergii
Berberis verruculosa

Cape Weed
Japanese Aucuba
Barberry
Wintergreen Barberry
Mentor Barberry
Japanese Barberry
Warty Barberry

Buxus microphylla Japanese Boxwood
Callistemon viminalls Weeping Bottlebrush
Calluna vulgaris Scotch Heather
Carpobrotus edulis Hottentot Fig (Ice Plant)
Cassia artemisioides Feathery Cassia
Ceanothus rigidus Wild Lilac
Chamaecyparis pisitera False Cypress

Cleyera japonica Cleyera
Citrus spp. Citrus species*
Comus florida Flowering Dogwood
Comus stolonifera American Dogwood
Cortaderia selloana Pampas Grass

Cortaderia selloana Pampas Grass
Cotoneaster apiculatus Cranberry Cotoneaster
Cotoneaster buxifolius Cotoneaster
Cotoneaster dammeri Bearberry Cotoneaster

Crataegus spp. Hawthorne
Cupressus sempervirens Italian Cypress
Delosperma alba White Trailing Ice Plant

Rockspray Cotoneaster

Dodonea viscosa Hop Bush
Elaeagnus pungens Silverberry
Euonymus fortunei Wintercreeper
Euonymus japonica Japanese Spi

Cotoneaster microphyllus

Euonymus japonica Japanese Spindle Tree (Evergreen Euonymus)
Euonymus kautschovicka Spreading Euonymus
Fatsia japonica Japanese Aralia
Forsythia intermedia Border Forsythia
Forsythia viridissima Greenstem Forsythia

Forsynta virussima Greensiem Forsynta Greensiem Forsynta Gardenia, Cape-Jasmine Gladiolus spp. Gladiolus species***

Hedera helix English Ivy

Hibiscus Rose of Sharon**

Hibiscus Rosa-sinensis
Ilex comuta
Ilex crenata
Ilex opaca
Ilex pernyi
Ilex pernyi

Chinese Holly**
Chinese Holly**
Japanese Holly
American Holly
Holly

Ilex vomitoria
Yaupon Holly
Iris spp.
Iris species**

Jasminium nudiflorum
Juniperus chinensis
Juniperus conferta
Juniperus horizontalis
Ludans spp.
Walnut*

Yaupon Holly
Iris species**
Walnut Juniper
Yaupon Holly
Iris species**

Walnut Species**

Yaupon Holly
Iris species**

Walnut Juniper

Walnut Walnut Walnut Manut Manu

 Jugians spp.
 Walnut*

 Justicia brandegeana
 Shrimp plant

 Lagerstromia indica
 Crape Myrtle

 Ligustrum amurense
 Amur Privet

 Ligustrum japonicum
 Japanese Privet

 Ligustrum lucidum
 Glossy Privet (Wax-Leaf)

 Liniope muscari
 Big Blue Lillyturf

Lonicera japonica Japanese Honeysuckle
Lonicera tatarica Tatarian Honeysuckle
Magnolia spp. Magnolia species**
Maleophora luteola luteola Crabanole*

Malus spp. Crabapple*
Nandina domestica Heavenly Bamboo
Narcissus spp. Narcissus species**
Nerium spp. Oleander
Olive*

Ophiopogon japonicus Mondo Grass**

Osteospermum fruiticosum Trailing African Daisy

Oxydendrum arboreum Sourwood

 Persea americana
 Avocado*

 Photinia fraseri
 Frasier's Photinia (Redtip)

 Picea spp.
 Spruce species**(Colorado Blue, Norway, etc.)

 Pieris japonica
 Lily-of-the-Valley Shrub

 Pinus brutia
 Calabrian Pine

 Pinus canariensis
 Canary Island Pine

Pinus canariensis Canary Isla Pinus elliottii Slash Pine

Scientific Name Pinus halepensis Pinus nigra Pinus palustrus Pinus radiata Pinus strobus Pinus sylvestris Pinus taeda Pinus thunbergiana Pinus virginiana Pistacia spp. Pittosporum rhombifolium Pittosporum tobira Podocarpus macrophyllus Prunus laurocerasus

Pseudotsuga menziesii Pyracantha coccinea Pyracantha fortuneana Pyracantha koidzumii Pyrus spp. Quercus rubra Raphiolepsis indica Rhododendron (Including Azalea)

Prunus spp.

Rosa banksiae Rosmarinus officinalis Rumohra adiantiformis Santolina virens Sedum album Syzygium paniculatum Taxus cuspidata Taxus media Thuja occidentalis Trachelospermum asiatum Tsuga canadensis

Tulipa spp. Viburnum japonicum Viburnum odoratissimum Viburnum plicatum Vibumum rigidum Viburnum tinus Vibumum trilobium Vibumum wrightii Vinca major Vinca minor Vitis spp.

Weigela florida Yucca aloifolia Yucca filamentosa *Do not use on food producing trees, vines, or plants.

**Not for use on container grown plants.

Table 2. Tolerant Ornamental Species/Varieties - All States Except CA Scientific Name Common Name

Abelia grandiflora Achillea spp. Agapanthus orientalis Akebia quintata

Allium cemuum Anemone hybrida Aquilegia spp. Artemisia spp. Aster spp. Aster x frikartii

Athyrium filix-femina Begonia spp. Bergenia cordifolia

Boltonia asteroids Bougainvillea spp.

Buddleia davidii Callistemon citrinus

Campanula carpatica

Campis x tagliabuana

Ceratostigma plumbaginoides Chrysanthemum nipponicum

Coreopsis spp. Crocosmia spp. Delosperma spp. Delphinium spp.

Dianthus deltoides Dianthus gratianopolitanus Echinacea purpurea

Longleaf Pine Monterey Pine Eastern White Pine

Austrian Black Pine

Common Name Aleppo Pine

Scotch Pine Loblolly Pine Japanese Black Pine Virginia Pine Pistachio*

Queensland Pittosporum Japanese Pittosporum Japanese Yew

English Laurel Almond, Apricot, Nectarine, Peach, Plum and

Prune' Douglas Fir** Firethorn Scarlet Firethorn Firethorn Bradford Pear spp. Oak species Indian Hawthorn 'Coral Bells' 'Formosa'

'Hino-crimson' 'PJM' 'Roseum Elegans' Lady Bank's Rose Rosemary* Leatherleaf Fern

Stonecrop Japanese Boxcherry Japanese Yew

American Arborvitae Star Jasmine Canada Hemlock Tulip species Japanese Viburnum Sweet Viburnum Japanese Snowball Canary Island Viburnum Laurustinus

Cranberry Bush Leatherleaf Viburnum Vinca

Dwarf Periwinkle Grape* Old Fashioned Weigela

Spanish Bayonet Yucca, Adam's Needle

Yarrow: King Edward

Five-leaf or Chocolate Vine Lady's Leek, Nodding Onion Japanese Anemone Aquilegia: Red and Gold Wormwood; Silver Mound, Castle Aster: Bonny Blue, Purple Dome

Lady Fern; Fern Lady

Fibrous Begonia: Hardy Grandis

Snowbank Bougainvillea

Butterfly-Bush (Dwarf Blue); Royal Red

Crimson Bottlebrush Tussock Bellflower; (White Clips)

Trumpet Creeper, Trumpet Flower, Madame

Coreopsis (Calliopsis): Early Sunrise, Moonbeam

Lucifer Cooperi Pink

Larkspur; Blue Elf Dianthus, Maiden Pinks 'Zing'

Cheddar Pink

Coneffower, Purple; Magnus

Common Name

Forsythia suspena Weeping Forsythia Gaillardia, Blanket Flower: 'Goblin' Gaillardia spp. Gaura spp.

Gentiana dahurica Gentian Geranium cinereum Cranesbill Baby's Breath Sunrose Baylily: Azlec Gold, Stella De Oro, Tender Love Gypsophila repens Helianthemum spp.

Scientific Nam

Hemerocallio spp. Heucherella spp. Coral Bell, Bridge Bloom Mallow; Disco Belle White Hibiscus spp. Hosta, Plantain Lily (Fragrant) Hosta plantaginea Hosta sieboldiana Hosta, 'Searsucker

Houttuynia cordata var. variega Billea Hydrangea Hydrangea macrophylla ... Inula ensifolia

Sword Leaved Iris; Jodlesong Siberian Iris; Cabernet Iris ensata Iris siberica Juniperus davurica Parsoni Crape Myrtle; Tuscarora Lagerstromia indica x fauriei Weeping Lantana Lavender; Munstead Edelweiss Lantana montevidensis Lavender spp. Leontopodium alpinum Chinese Privet: Variegata Ligustrum sinense

Lily: Jazz Lilium spp. Liriope, Variegated Liriope muscari var. variegata Liriope muscan va Liriope spicata Lobelia cardinalis Liriope, Creeping Cardinal Flower, Indian Pink Loropetalum chinense Burgundy Lythrum spp. Loosestrife; Modern Pink

Miscanthus sinensis Oenothera missourensis Osmanthus heterophyllus Paeonia suffruticosa

Pennisetum setaceum Perovskia atriplicifolia Physostegia virginiana Quercus shumardii Raphiolepsis umbellata

Rhododendron (including Azalea)

Oak, Shumard's Red Yedda Hawthorne 'Delaware Valley White' 'Flame Creeper 'Girard Crimson' 'George L. Tabor'

'Wakeiebisu' 'White Gumpo' Black-Eyed Susan: Goldstrum Saxifrage; Purple Dome Pincushion Flower Redbeckia spp. Saxifraga spp. Scabiosa spp. Stonecrop: Lidakense Sedum cauticola Sedum dasyphyllum Sedum spurium Stonecrop

Stonecrop; Dragon's Blood Spiraea bumalda Spirea: Anthony Waterer Syzygium paniculatum Australian Brushcherry Teucrium spp. Germander

Thalictrum dipterocarpum Meadow Rue Veronica spp.

Veronica, Speedwell; Sunny Border Arrowood Viburnum

Vibumum suspensum Arro
** Not for use on container grown plants.

NEW PLANTINGS, REPLANTING AND ROTATIONAL PLANTINGS

Nursery, landscape, or non-cropped land areas treated with Prodiacade should be rotated only to ornamental species listed on this label for 1 year following application unless the following test has shown species safety:

Yaku Jima**, Silberfeder* Evening Primrose

Tree Peony
Fountain Grass (Dwarf)**

Dragonhead, False; Vivid

Osmanthus (False Holly): Gulf Tide

Before planting a species not listed on this label, it is recommended that several test strips of an indicator plant such as wheat, sorghum or corn be sown into the treated area. If the indicator plants germinate and grow normally to a height of 12 inches with normal root development, it is safe to plant.

In areas disturbed by new plantings or replanting of labeled species, it may be necessary to retreat exposed soil to maintain satisfactory weed control, but do not apply more than 48 ozs./A per year.

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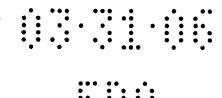
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