

## **PLEASE NOTE**

**This image contains more than one label  
approved for this product on this date.**

66222-89

09/29/2009

1/45



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

SEP 29 2009

Ms. Christie Hitchcock  
Product Registration  
MANA, Inc.  
4515 Falls of Neuse Road, Suite 300  
Raleigh, NC 27609

SUBJECT: Application for Pesticide Notification PRN 98-10  
Request Alternate Brand Name "Quali-Pro Prodiamine 65 WDG"  
EPA Reg. No. 66222-89  
Application Dated August 24, 2009

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 08/24/09 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs



United States  
Environmental Protection Agency  
Washington, DC 20460

☐  
☐  
☒

Registration  
Amendment  
Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 66222-89	2. EPA Product Manager Joanne Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Prodiamine 65 WG	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b>  SEP 29 2009
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of Alternate Brand Name: Quali-Pro Prodiamine 65 WDG.

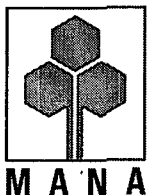
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false 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.

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Christie Hitchcock	Title Regulatory Specialist	Telephone No. (Include Area Code) 910-256-9342	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Data Application Received (Stamped)
2. Signature <i>Christie Hitchcock</i>	3. Title Regulatory Specialist		
4. Typed Name Christie Hitchcock	5. Date 08-24-09		



August 24, 2009

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504-P)  
US Environmental Protection Agency  
1200 Pennsylvania Ave., NW  
Washington, DC 20460

Re: Notification of Alternate Brand Name per PR Notice 98-10  
Prodiamine 65 WG - EPA Reg. No. 66222-89

To Whom It May Concern:

Makhteshim Agan of North America, Inc., is submitting a notification of an alternate brand name for the product referenced above. We are marketing the product under the name: **Quali-Pro Prodiamine 65 WDG**

In support of this submission, the following documents are attached:

- Application for Pesticide Registration (EPA Form 8570-1)
- One copy of final printed labeling

NOTIFICATION OF ALTERNATE BRAND NAME. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 152.46, and 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 USC 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.

Thank you for your help with this request. Please contact me by phone at 919-256-9342 or by email at [chitchcock@manainc.com](mailto:chitchcock@manainc.com) should you have questions or comments.

Sincerely,

Christie Hitchcock

Christie Hitchcock  
Regulatory Specialist

## Enclosures

**QUALI-PRO®**

# Prodiamine 65 WDG

## Herbicide

**ACTIVE INGREDIENT:**

Prodiamine (CAS No. 29091-21-2)

**INERT INGREDIENTS:**

**TOTAL:**

	% BY WT.
Prodiamine (CAS No. 29091-21-2)	65.0%
Inert Ingredients	35.0%
<b>TOTAL</b>	<b>100.0%</b>

EPA REG. NO. 66222-89

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

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

**Manufactured for:**

Makhteshim Agan of North America, Inc.

4515 Falls of Neuse Road, Suite 300

Raleigh, NC 27609

EPA 051104/EPA 072006/  
Notif 072308/Rev C

**NOTIFICATION**

**SEP 29 2009**

EPA EST. NO. 37429-GA-01BT EPA EST. NO. 37429-GA-02BO  
Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

13358

**Net Contents: 5 Pounds**

4/45

S/45

**QUALI-PRO**

NOTIFICATION

SEP 29 2009

# Prodiamine 65 WDG

## *Herbicide*

**ACTIVE INGREDIENT:**

Prodiamine (CAS No. 29091-21-2)

**% BY WT.**

65.0%

**INERT INGREDIENTS:**

35.0%

**TOTAL:**

100.0%

EPA REG. NO. 66222-89

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

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

**Manufactured for:**

**Makhteshim Agan of North America, Inc.**

**4515 Falls of Neuse Road, Suite 300**

**Raleigh, NC 27609**

13358

EPA 051104/EPA 072006/  
Notif 072308/Rev C

For 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
- conifer and hardwood seedling nurseries
- established perennials and wildflower plantings
- non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- Christmas tree farms
- drainage ditches in California and Arizona only

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 15-20 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>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. <b>For medical emergencies involving this product, call Prosar at 1-877-250-9291.</b>	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

### WPS USES:

**Applicators and other handlers (other than mixers and loaders) 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
- Chemical-resistant gloves such as butyl rubber >14 mils, neoprene rubber > 14 mils, or nitrile rubber >14 mils (See instructions for Category A on the EPA chemical resistance category selection chart if you want other options.)
- Shoes plus socks

### Mixers and loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as butyl rubber >14 mils, neoprene rubber > 14 mils, or nitrile rubber >14 mils (See instructions for Category A on the EPA chemical resistance category selection chart if you want other options.)
- Shoes plus socks

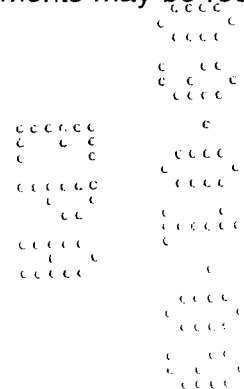
### NON-WPS USES:

**Mixers and loaders who handle this product for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) - in general, only agricultural plant uses are covered by the WPS - must wear:**

- Chemical-resistant gloves such as butyl rubber >14 mils, neoprene rubber > 14 mils, or nitrile rubber >14 mils (See instructions for Category A on the EPA chemical resistance category selection chart if you want other options.)

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

**ENGINEERING CONTROLS 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 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:

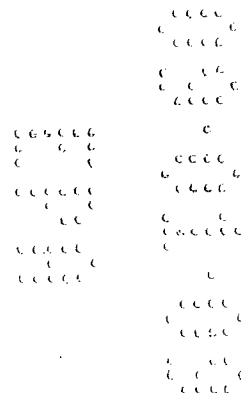
- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside; then wash thoroughly and put on clean clothing.
- After handling this product, immediately wash the outside of gloves before removing them; then remove gloves and all other PPE. Immediately wash 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 washwater.

### 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 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 this 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
- Waterproof gloves
- Shoes plus socks

### GENERAL INFORMATION

#### WHERE TO USE

Prodiamine 65 WDG is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- Established turfgrass (excluding golf course putting greens), lawns, and sod nurseries
- Container, field-grown, and landscape ornamentals
- Conifer and hardwood seedling nurseries
- Established perennial and wildflower plantings
- Non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- Christmas tree farms

Drainage ditches in California and Arizona only

#### HOW QUALI-PRO PRODIAMINE 65 WDG WORKS

Quali-Pro Prodiamine 65 WDG controls susceptible weeds by preventing growth and development



of newly germinated weed seeds. Weed control is most effective when Quali-Pro Prodiamine 65 WDG is activated by at least 0.5 inch of rainfall or irrigation or shallow incorporation (1-2 inches) before weed seeds germinate and within 14 days following application.

**USE PRECAUTIONS**

- Do not graze or feed livestock forage cut from areas treated with Quali-Pro Prodiamine 65 WDG.
- Do not apply Quali-Pro Prodiamine 65 WDG to plants that will be consumed for food use.
- Follow all applicable directions, restrictions, and precautions on the labels of EPA-registered tank mix partners.
- Do not blend Quali-Pro Prodiamine 65 WDG onto dry fertilizer or any other granular material.
- Chemigation Statement: do not apply this product through any type of irrigation system unless instructed otherwise in this label.
- Do not apply aerially.
- Do not apply to golf course putting greens.

**NEW PLANTINGS, REPLANTING, AND ROTATIONAL PLANTINGS**

Nursery, landscape, or non-cropland areas treated with Quali-Pro Prodiamine 65 WDG should be rotated only to ornamental species listed on this label for 1 year following application unless the following test has shown species safety:

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.

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.

**MIXING AND APPLICATION PROCEDURES**

**MIXING**

Quali-Pro Prodiamine 65 WDG must be mixed thoroughly in the spray tank to ensure uniform application. Follow these steps:

1. Fill the spray tank 1/4 full with clean water or fluid fertilizer only.
2. Start agitation and check to ensure it is working properly.
3. Add Quali-Pro Prodiamine 65 WDG directly into the tank.
4. Add the rest of the carrier to obtain the final spray volume.
5. A spray colorant may be used with Quali-Pro Prodiamine 65 WDG to mark areas as they are treated. This will improve application accuracy by minimizing swath skips and overlaps.

6. Maintain vigorous agitation in the spray tank before and during the application. This will ensure a well mixed spray suspension.
7. Do not allow spray suspension to dry in the tank. Thoroughly clean the sprayer after use by flushing the system with water containing a detergent. Refer to the **PESTICIDE DISPOSAL** section of this label for waste disposal.

#### **TANK MIXING QUALI-PRO PRODIAMINE 65 WDG**

Quali-Pro Prodiamine 65 WDG 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 consult 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 Quali-Pro Prodiamine 65 WDG in a tank mixture with other pesticides, observe the most restrictive label limitations and precautions on the labels of the products used.

Before tank mixing with other pesticides not named on this label, compatibility must be tested. See the **COMPATIBILITY TEST** section below.

#### **COMPATIBILITY TEST**

Before mixing Quali-Pro Prodiamine 65 WDG with other pesticides in the spray tank, test the compatibility by mixing all components (carrier and pesticide products) in a small container in proportionate quantities. For example, a 1 qt. jar would be 1/100 the volume of a 25 gal./acre spray rate. At 1 lb./acre, the Quali-Pro Prodiamine 65 WDG rate would be proportional to 4.5 g per quart. Add approximately 1.5 teaspoons to a qt. of water. Calculate amounts for other products based on rate per acre. An approximate volume would be 1.5 teaspoons for each lb./acre of a dry formulation and 0.5 teaspoons for each pt./acre of a liquid formulation. (See following table).

#### **AMOUNT OF COMPONENT TO ADD TO ONE QUART JAR OF SPRAY CARRIER (Assuming Carrier Volume of 25 gals./Acre)**

COMPONENTS FORMULATIONS	RATE PER ACRE	RATE PER 1000 SQ. FT.	LEVEL TEASPOONS
Quali-Pro Prodiamine 65 WDG	1.0 lb.	0.4 oz.	1.5
Dry Tank Mix Partners	1.0 lb.	0.4 oz.	1.5
Liquid Tank Mix Partners	1.0 pt.	0.4 oz.	0.5

If components do not ball up or form flakes, sludge, gels, oily films, or layers, then the mixture is compatible. Incompatibility will usually occur within 5 minutes after mixing. If the components are not compatible, a compatibility agent must be added to the tank mixture. Rerun the test to determine if the

mixture is suitable after addition of the compatibility agent. If components are still not compatible, do not tank mix.

### MIXING ORDER FOR TANK MIXTURES

Notes: 1. When mixing Quali-Pro Prodiamine 65 WDG with other components (carrier and partner pesticide products), allow products to completely dissolve between steps. This is key when tank mixing with ester formulations. 2. Maintain agitation throughout mixing and application of the mixture.

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

1. Add products packaged in water-soluble bags first. Agitate the tank mixture. Allow the water-soluble bags to completely dissolve and the product to disperse before adding any other tank mix partner.
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 flowable liquids (FL) or suspension concentrates (SC).
5. Add emulsifiable concentrates (EC) last.

### APPLICATION

Apply Quali-Pro Prodiamine 65 WDG in a minimum of 20 gals./acre (0.5 gal./1000 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.

### SPECIAL USE DIRECTIONS ESTABLISHED TURF

Quali-Pro Prodiamine 65 WDG is a preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turfgrasses including:

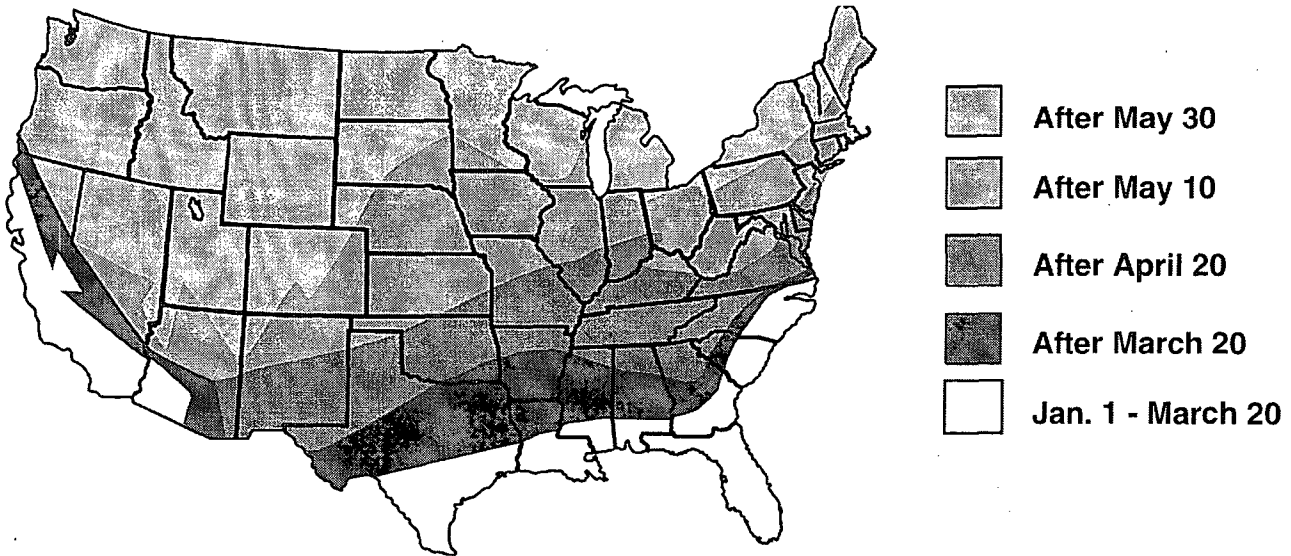
- golf courses excluding putting greens
- lawns
- sod nurseries

The maximum amount of Quali-Pro Prodiamine 65 WDG that may be applied per year is given for each turfgrass species in the **Annual Use Rates-Turfgrass** section of this label.

For optimum weed control, Quali-Pro Prodiamine 65 WDG 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.

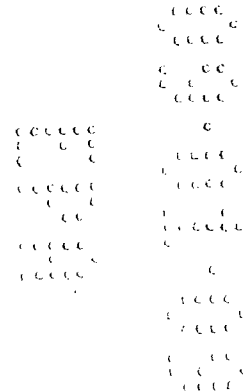
## CRABGRASS SEED GERMINATION DATES

Approximate Date



### Use Precautions - Turfgrass

1. Do not apply Quali-Pro Proflam 65 WDG to areas where dichondra, colonial bentgrass, velvet bentgrass, or annual bluegrass (*Poa annua*) are desirable species.
2. Do not harvest treated sod within 90 days of 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 Quali-Pro Proflam 65 WDG to turf stressed by conditions such as drought, low fertility, or pest damage.
4. Disturbing the herbicide barrier with cultural practices such as diking may result in reduced weed control.
5. Do not apply Quali-Pro Proflam 65 WDG to golf course putting greens.
6. If the depth of the creeping bentgrass root system becomes shallow and root tips contact proflam-treated soil, new root formation may be inhibited. Mowing height can affect the depth of a plant's root system. To avoid this, do not apply Quali-Pro Proflam 65 WDG to creeping bentgrass less than 0.5 inch in height.



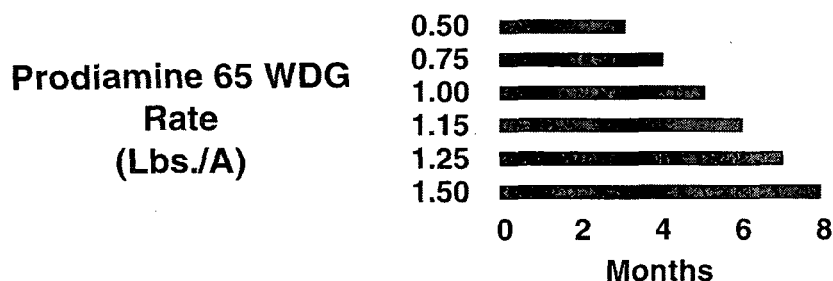
### Application Timing and Rate - Turfgrass

Quali-Pro Prodiamine 65 WDG may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications should be made before target weeds germinate. Quali-Pro Prodiamine 65 WDG will not control weeds that have already emerged.

The amount of Quali-Pro Prodiamine 65 WDG to apply is based upon:

1. the length of weed control desired (the higher the application rate, the longer the control) (see Figure 1);
2. the turf species; and
3. the maximum amount which can be applied to the turf species per calendar year (see Table 1).

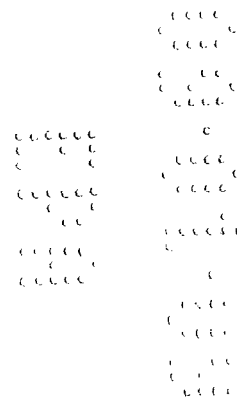
**Figure 1: Length of Crabgrass Control**



\*Length of control varies by region. This table is an average for planning purposes.

### Annual Use Rates - Turfgrass

Quali-Pro Prodiamine 65 WDG can be applied to the turfgrass species listed in the following table. Do not apply more than the highest rate listed for each species in a calendar year.



**TABLE 1: MAXIMUM APPLICATION RATE QUALI-PRO PRODIAMINE 65 WDG**  
**Per Calendar Year by Turfgrass Species<sup>1</sup>**

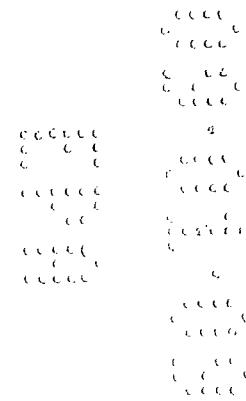
TURF SPECIES	LBS. OF PRODUCT/ACRE	OZ. OF PRODUCT/1000 SQ. FT.
Bermudagrass <sup>2</sup> Bahagrass Centipedegrass Kikuyugrass Seashore Paspalum St. Augustinegrass <sup>3</sup> Tall Fescue (including turf-type) Zoysiagrass	1.0 - 2.30 <sup>1</sup>	0.36 - 0.83
Buffalograss Kentucky Bluegrass Perennial Ryegrass	0.5 - 1.50 <sup>1</sup>	0.185 - 0.55
Fine Fescue	0.5 - 1.15 <sup>1</sup>	0.185 - 0.42
Creeping Bentgrass (0.5 inches or more in height) <sup>4</sup>	0.5 - 1.00 <sup>1</sup>	0.185 - 0.37

<sup>1</sup> Quali-Pro Prodiamine 65 WDG may be applied more than once a year as long as the total amount applied is not greater than the maximum application rate per calendar year for the turf species. All applications must be made before weed seeds germinate.

<sup>2</sup> May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 0.80 lb./A (0.30 oz./1000 sq. ft.). Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded.

<sup>3</sup> Use an initial rate of 0.75-1.5 lbs./acre (0.28-0.55 oz./1000 sq. ft.) per application.

<sup>4</sup> To avoid grass injury, do not apply Quali-Pro Prodiamine 65 WDG to creeping bentgrass mowed at less than 0.5 inch in height.





# **Weeds Controlled (Turf, Ornamentals)**

When used as directed in this label, Quali-Pro Prodiamine 65 WDG will control the following weeds:

• Barnyardgrass	• Henbit <sup>2</sup>	• Purslane, Common
• Bluegrass, Annual ( <i>Poa annua</i> ) <sup>1</sup>	• Itchgrass	• Pusley, Florida
• Carpetweed	• Johnsongrass (from seed)	• Rescuegrass <sup>4</sup>
• Chickweed, Common <sup>2</sup>	• Junglerice	• Shepherdspurse <sup>2</sup>
• Chickweed, Mouseear (from seed)	• Knotweed <sup>2</sup>	• Signalgrass, Broadleaf
• Crabgrass (Large, Smooth) <sup>3</sup>	• Kochia	• Speedwell, Persian
• Crowfootgrass	• Lambsquarters, Common	• Sprangletop
• Cupgrass, Woolly	• Lovegrass	• Spurge, Prostrate
• Foxtails, Annual	• Panicum (Texas, Fall, Browntop)	• Witchgrass
• Goosegrass <sup>5</sup>	• Pigweed	• Woodsorrel, Yellow (from seed)

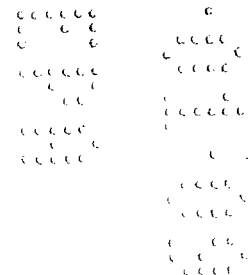
<sup>1</sup> In areas where *Poa annua* is a winter annual, apply Quali-Pro Prodiamine 65 WDG (see Table 1) in August or September to established, non-overseeded turf before *Poa annua* seeds germinate. These timings are approximate. Consult State Extension Service for more specific timing for your area. Also see the section of this label "*Poa Annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass."

<sup>2</sup> To control this weed, apply Quali-Pro Prodiamine 65 WDG in late summer, fall, or winter before weed seeds germinate.

<sup>3</sup> Fall Applications for Spring Crabgrass Control in Cool-Season Grasses: In those areas where the ground freezes in the winter, Quali-Pro Prodiamine 65 WDG can be applied in the fall at rates of 1.0-1.15 lbs./acre after the soil temperature falls below 50°F but before the ground freezes. This application will control crabgrass the following spring.

<sup>4</sup> Suppression only.

<sup>5</sup> In many areas, a single application of 1.0-2.3 lbs./acre of Quali-Pro Prodiamine 65 WDG will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, the most effective control may be maintained by making a "split application" (i.e., two applications) that does not exceed the maximum application rate per calendar year for the turfgrass species.



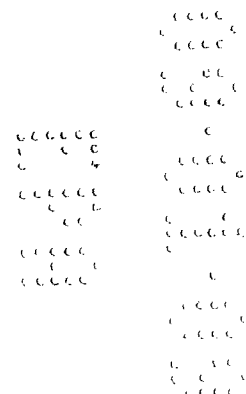
# **WHEN TO APPLY QUALI-PRO PRODIAMINE 65 WDG AFTER OVERSEEDING TURF**

Injury to desirable seedlings is likely if Quali-Pro Prodiamine 65 WDG is applied before the secondary roots of seedlings are in the second inch of soil (not thatch plus 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 Quali-Pro Prodiamine 65 WDG.

**When to Overseed After Application (All States)\*** Quali-Pro Prodiamine 65 WDG will inhibit the development of turfgrass species overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

\*Note: See exceptions for "*Poa Annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass" below.

AMOUNT OF QUALI-PRO PRODIAMINE 65 WDG Lbs. of Product/Acre	INTERVAL (MONTHS) BEFORE OVERSEEDING*		
	North	Transition	South
0.75	4	4	4
1.00	5	4	4
1.15	6	5	5
1.25	-	6	6
1.50	-	7	7
1.75	-	-	9
2.00	-	-	10
2.30	-	-	12

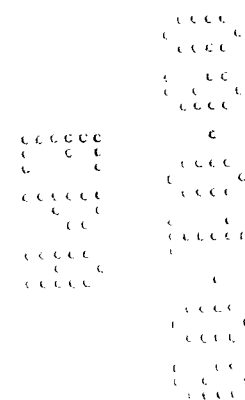


***Poa Annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (Arizona, California, Nevada, and Texas only)**

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

**HOW MUCH AND WHEN TO APPLY**

AMOUNT TO APPLY	WHEN TO APPLY	EXPECTED CONTROL	USE PRECAUTIONS
0.58-1.0 lb./acre	6 to 8 weeks <i>before</i> ryegrass overseeding  Second Application: 4 to 8 weeks <i>after</i> 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 enhance control.	Some seedling mortality and temporary reduction in root growth of new seedlings may occur. To reduce the potential for seedling mortality, maintain a moist seedbed with light, frequent irrigation. Make no more than 2 applications per year for this use, and do not exceed a total of 1.3 lbs./acre per year. Do not make a second application if any injury to the ryegrass is observed after the first application. Do not make a second application unless the product was first applied before overseeding.



***Poa Annua* Control in Perennial Ryegrass Overseedings (Alabama, Louisiana, Georgia, Mississippi, North Carolina, South Carolina, and Tennessee Only)**

Use this product on golf courses (excluding golf course putting greens) when overseeding with perennial ryegrass only (minimum seeding rate of 350 lbs./A).

**HOW MUCH AND WHEN TO APPLY**

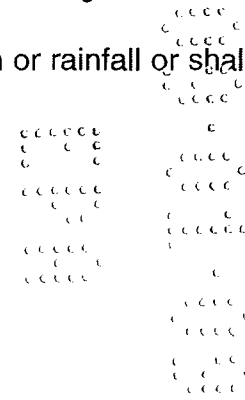
AMOUNT TO APPLY	WHEN TO APPLY	EXPECTED CONTROL	USE PRECAUTIONS
0.58 - 1.0 lb./acre	8 to 10 weeks <i>before</i> ryegrass overseeding	70% or greater	Some seedling mortality and temporary reduction in root growth of new seedlings may occur. To reduce the potential for seedling mortality, maintain a moist seedbed with light, frequent irrigation. To maximize seedling establishment, use lower rate and/or the maximum time interval before overseeding. To maximize <i>Poa annua</i> control, use higher rate and shorter time interval before overseeding.

**CONTAINER, FIELD GROWN, AND LANDSCAPE ORNAMENTALS (INCLUDING CHRISTMAS TREE FARMS)**

**Application Timing and Information**

Quali-Pro Prodiamine 65 WDG:

1. Will not control emerged weeds.
2. May be applied to newly transplanted and established ornamentals as 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:

1. In the spring when buds are rapidly growing and expanding, over-the-top application of Quali-Pro Prodiamine 65 WDG may temporarily injure new growth of desirable plants. To reduce the possibility of injury at this time, wait to apply Quali-Pro Prodiamine 65 WDG over the top of newly emerged vegetation until it has hardened off unless experience indicates that the ornamental plant will not be injured by the over-the-top application.
2. After application (immediately for deciduous plants) apply overhead irrigation to wash Quali-Pro Prodiamine 65 WDG from plant surfaces onto soil (watering plants before application may improve the washing process).

## Application Sites and Instructions

SITE	APPLICATION INSTRUCTIONS
Newly Transplanted Container or Field Nursery Stock	Delay application until soil has settled around transplants. Water transplants thoroughly before application. Apply after cuttings form roots and are established. To avoid inhibition of the tissue union, apply before budding/grafting or after buds/grafts have taken.
Established Container, Field Nursery Stock, or Landscape Plants	Apply at any time as a broadcast, over-the-top, or directed spray.
Landscape (or Ornamental) Plantings	Apply as a broadcast, over-the-top, or directed spray. Delay application to newly transplanted ornamentals until soil has settled around transplants.
Bare Ground Application for Container Placement	Apply to soil (including mulch, gravel, wood chips, or other permeable base) upon which containerized ornamentals are placed. After Quali-Pro Prodiamine 65 WDG is applied, perform shallow cultivation or hand weeding only to avoid disturbing the herbicide barrier.
In Shadehouses and Uncovered Polyhouses	After Quali-Pro Prodiamine 65 WDG is applied, uncovered polyhouses must remain open for at least 7 days and ornamentals must receive 2 irrigations totaling at least 1/2 inch of water.
Ornamental Bulbs and Perennial Wildflower Plantings	Quali-Pro Prodiamine 65 WDG may be applied to bulbs or perennial wildflower species listed in the section "Tolerant Ornamental Species." Apply before or after bulbs emerge but before bulbs bloom and weeds emerge. In wildflowers, a postemergence herbicide labeled for wildflowers may be needed to control weeds that have already emerged.

## HOW MUCH AND WHEN TO APPLY (Container, Field Grown and Landscape Ornamentals)

AMOUNT TO APPLY (BROADCAST)*	WHEN TO APPLY	COMMENTS/INSTRUCTIONS
1.0 - 2.3 lbs./acre or 0.37 - 0.83 oz./1000 sq. ft.	In the fall or spring before weeds ger- minate or after weeds are removed.	Use the higher rate for longer control. Quali-Pro Prodiamine 65 WDG may be applied more than once per year as long as the total amount of product applied does not exceed 2.3 lbs./acre per year.

\*Note: For band application, calculate amount per acre:

$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{broadcast rate} = \text{amount to apply per acre of field}$

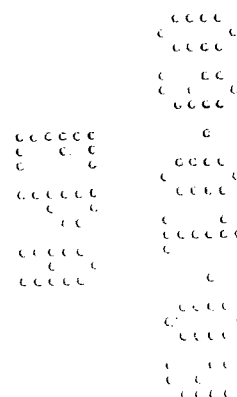
## EQUIVALENT MEASUREMENTS FOR QUALI-PRO PRODIAMINE 65 WDG

lbs./acre	oz./1000 sq. ft.	Approximate Equivalent – Tablespoons/1000 sq. ft.
1.0	0.37	1
1.5	0.55	1.5
2.0	0.74	2
2.3	0.83	2.25

## Tank Mixtures For Use on Container, Field Grown, and Landscape Ornamentals

Quali-Pro Prodiamine 65 WDG 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 Quali-Pro Prodiamine 65 WDG are for use only in states where the tank mix partner(s), application site, and intended use pattern are registered.

Follow the label(s) of the tank mix partner(s) for application rates, timing, weeds controlled, tolerant ornamentals, and specific use precautions and/or restrictions. Before mixing pesticides in the spray tank, test compatibility by mixing the products in a small container first. See the **COMPATIBILITY TEST** section of this label.



### Tank Mix Partners For Quali-Pro Prodiamine 65 WDG on Ornamentals

PRODUCT	PRECAUTIONS/INSTRUCTIONS
Goal® or Galigan® (use on conifers only)	Mix with Quali-Pro Prodiamine 65 WDG for postemergence control of certain broadleaf weeds including malva and filaree.
Gallery®, Princep®, Pennant®	See product labels for weed spectrum and tolerant ornamentals.
Touchdown® Pro (or other glyphosate- based products), and Finale®	These nonselective tank mix herbicides control most emerged annual broadleaves and grasses. Take extreme care to prevent tank mixtures with these 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 contacting 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 Ornamental Species – Container, Field Grown, and Landscape Ornamentals

Quali-Pro Prodiamine 65 WDG will not harm most trees, shrubs, vines, and flowers. The species listed below in Table 2 are tolerant to Quali-Pro Prodiamine 65 WDG. Quali-Pro Prodiamine 65 WDG is approved for application, except in CA, to the species in Table 3. Quali-Pro Prodiamine 65 WDG may be applied over the top of the listed species.

When plants are under stress (such as heat, drought, or frost damage), some cultivars of listed plants may be sensitive to Quali-Pro Prodiamine 65 WDG.

**TABLE 2 – Tolerant Ornamental Species – Container, Field Grown, and Landscape (All States)**

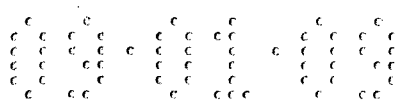
Common Name	Scientific Name
Fir species** (Balsam, Fraser, Noble, etc.)	<i>Abies spp.</i>
Japanese Maple	<i>Acer palmatum</i>
Norway Maple***	<i>Acer platanoides</i>
Kiwi*	<i>Actinidia chinensis</i>
Lily-of-the-Nile (African Lily)	<i>Agapanthus africanus</i>
Vine Hill Manzanita	<i>Arctostaphylos densiflora</i>
Cape Weed	<i>Arctotheca calendula</i>
Japanese Aucuba	<i>Aucuba japonica</i>

Barberry .....	<i>Berberis gladwynensis</i>
Wintergreen Barberry .....	<i>Berberis julianae</i>
Mentor Barberry .....	<i>Berberis mentorensis</i>
Japanese Barberry .....	<i>Berberis thunbergii</i>
Warty Barberry .....	<i>Berberis verruculosa</i>
Japanese Boxwood .....	<i>Buxus microphylla</i>
Weeping Bottlebrush .....	<i>Callistemon viminalis</i>
Scotch Heather .....	<i>Calluna vulgaris</i>
Hottentot Fig (Ice Plant) .....	<i>Carpobrotus edulis</i>
Feathery Cassia .....	<i>Cassia artemisoides</i>
Wild Lilac .....	<i>Ceanothus rigidus</i>
False Cypress .....	<i>Chamaecyparis pisifera</i>
Cleyera .....	<i>Cleyera japonica</i>
Citrus species* .....	<i>Citrus spp.*</i>
Flowering Dogwood .....	<i>Cornus florida</i>
American Dogwood .....	<i>Cornus stolonifera</i>
Pampas Grass .....	<i>Cortaderia selloana</i>
Cranberry Cotoneaster .....	<i>Cotoneaster apiculatus</i>
Cotoneaster .....	<i>Cotoneaster buxifolius</i>
Bearberry Cotoneaster .....	<i>Cotoneaster dammeri</i>
Rockspray Cotoneaster .....	<i>Cotoneaster microphyllus</i>
Hawthorne .....	<i>Crataegus spp.</i>
Italian Cypress .....	<i>Cupressus sempervirens</i>
White Trailing Ice Plant .....	<i>Delosperma alba</i>
Hop Bush .....	<i>Dodonea viscosa</i>
Silverberry .....	<i>Elaeagnus pungens</i>
Wintercreeper .....	<i>Euonymus fortunei</i>
Japanese Spindle Tree (Evergreen Euonymus) .....	<i>Euonymus japonica</i>
Spreading Euonymus .....	<i>Euonymus kiautschovica</i>
Japanese Aralia .....	<i>Fatsia japonica</i>
Border Forsythia .....	<i>Forsythia intermedia</i>
Greenstem Forsythia .....	<i>Forsythia viridissima</i>
Gardenia, Cape-Jasmine .....	<i>Gardenia jasminoides</i>
Gladiolus species** .....	<i>Gladiolus spp.</i>
English Ivy .....	<i>Hedera helix</i>
Rose of Sharon** .....	<i>Hibiscus</i>
Chinese Hibiscus** .....	<i>Hibiscus Rosa sinensis</i>
Chinese Holly** .....	<i>Ilex cornuta</i>



Japanese Holly	<i>Ilex crenata</i>
American Holly	<i>Ilex opaca</i>
Holly	<i>Ilex pernyi</i>
Yaupon Holly	<i>Ilex vomitoria</i>
Iris species**	<i>Iris spp.</i>
Winter Jasmine	<i>Jasminium nudiflorum</i>
Chinese Juniper	<i>Juniperus chinensis</i>
Shore Juniper	<i>Juniperus conferta</i>
Creeping Juniper	<i>Juniperus horizontalis</i>
Walnut*	<i>Juglans spp.</i>
Shrimp Plant	<i>Justicia brandegeana</i>
Crape Myrtle	<i>Lagerstromia indica</i>
Amur Privet	<i>Ligustrum amurense</i>
Japanese Privet	<i>Ligustrum japonicum</i>
Glossy Privet (wax-leaf)	<i>Ligustrum lucidum</i>
Big Blue Lillyturf	<i>Liriope muscari</i>
Japanese Honeysuckle	<i>Lonicera japonica</i>
Tatarian Honeysuckle	<i>Lonicera tatarica</i>
Magnolia species**	<i>Magnolia spp.</i>
Ice Plant	<i>Maleophora luteola</i>
Crabapple*	<i>Malus spp.</i>
Heavenly Bamboo	<i>Nandina domestica</i>
Narcissus species**	<i>Narcissus spp.</i>
Oleander	<i>Nerium spp.</i>
Olive*	<i>Olea europaea</i>
Mondo Grass**	<i>Ophiopogon japonicus</i>
Trailing African Daisy	<i>Osteospermum fruticosum</i>
Sourwood	<i>Oxydendrum arboreum</i>
Avocado*	<i>Persea americana</i>
Fraser's Photinia (Redtip)	<i>Photinia fraseri</i>
Spruce species** (Colorado Blue, Norway, etc.)	<i>Picea spp.</i>
Lily-of-the-Valley Shrub	<i>Pieris japonica</i>
Calabrian Pine	<i>Pinus brutia</i>
Canary Island Pine	<i>Pinus canariensis</i>
Slash Pine	<i>Pinus elliottii</i>
Aleppo Pine	<i>Pinus halepensis</i>
Austrian Black Pine	<i>Pinus nigra</i>
Longleaf Pine	<i>Pinus palustris</i>

Monterey Pine .....	<i>Pinus radiata</i>
Eastern White Pine .....	<i>Pinus strobus</i>
Scotch Pine .....	<i>Pinus sylvestris</i>
Loblolly Pine .....	<i>Pinus taeda</i>
Japanese Black Pine .....	<i>Pinus thunbergiana</i>
Virginia Pine .....	<i>Pinus virginiana</i>
Pistachio* .....	<i>Pistacia spp.</i>
Queensland Pittosporum .....	<i>Pittosporum rhombifolium</i>
Japanese Pittosporum .....	<i>Pittosporum tobira</i>
Japanese Yew .....	<i>Podocarpus macrophyllus</i>
English Laurel .....	<i>Prunus laurocerasus</i>
Almond, Apricot, Nectarine, Peach, Plum, and Prune* .....	<i>Prunus spp.</i>
Douglas Fir*** .....	<i>Pseudotsuga menziesii</i>
Firethorn, Scarlet .....	<i>Pyracantha coccinea</i>
Firethorn, Chinese .....	<i>Pyracantha fortuneana</i>
Firethorn, Formosa .....	<i>Pyracantha koidzumii</i>
Bradford Pear spp. ....	<i>Pyrus spp.</i>
Oak species .....	<i>Quercus rubra</i>
Indian Hawthorne .....	<i>Raphiolepis indica</i>
'Coral Bells' .....	<i>Rhododendron (including Azalea)</i>
'Formosa'	
'Hino-crimson'	
'PJM'	
'Roseum Elegans'	
Lady Bank's Rose .....	<i>Rosa banksiae</i>
Rosemary* .....	<i>Rosmarinus officinalis</i>
Leatherleaf Fern .....	<i>Rumohra adiantiformis</i>
	<i>Santolina virens</i>
Stonecrop .....	<i>Sedum album</i>
Japanese Boxcherry .....	<i>Syzygium paniculatum</i>
Japanese Yew .....	<i>Taxus cuspidata</i>
Yew .....	<i>Taxus media</i>
American Arborvitae .....	<i>Thuja occidentalis</i>
Star Jasmine .....	<i>Trachelospermum asiaticum</i>
Canada Hemlock .....	<i>Tsuga canadensis</i>
Tulip species .....	<i>Tulipa spp.</i>
Japanese Viburnum .....	<i>Viburnum japonicum</i>
Sweet Viburnum .....	<i>Viburnum odoratissimum</i>



Japanese Snowball.....	<i>Viburnum plicatum</i>
Canary Island Viburnum.....	<i>Viburnum rigidum</i>
Laurustinus.....	<i>Viburnum tinus</i>
Cranberry Bush.....	<i>Viburnum trilobium</i>
Leatherleaf Viburnum.....	<i>Viburnum wrightii</i>
Vinca.....	<i>Vinca major</i>
Dwarf Periwinkle.....	<i>Vinca minor</i>
Grape*.....	<i>Vitis spp.</i>
Old Fashioned Weigela.....	<i>Weigela florida</i>
Spanish Bayonet.....	<i>Yucca aloifolia</i>
Yucca, Adam's Needle.....	<i>Yucca filamentosa</i>

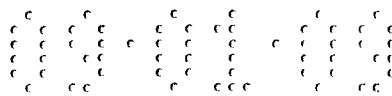
\* Do not use on food-producing trees, vines, or plants.

\*\* Not for use on container grown plants.

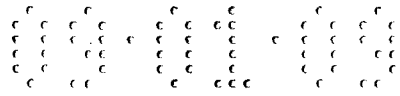
\*\*\*Landscape ornamentals only

**TABLE 3 – Tolerant Ornamental Species**  
**Container, Field Grown, and Landscape (All States Except CA)**

<b>Common Name</b>	<b>Scientific Name</b>
Abelia: Sherwood.....	<i>Abelia grandiflora</i>
Yarrow: King Edward.....	<i>Achillea spp.</i>
	<i>Agapanthus orientalis</i>
Five-Leaf or Chocolate Vine.....	<i>Akebia quintata</i>
Lady's Leek, Nodding Onion.....	<i>Allium cernuum</i>
Japanese Anemone.....	<i>Anemone hybrida</i>
Aquilegia: Red and Gold.....	<i>Aquilegia spp.</i>
Wormwood; Silver Mound, Castle.....	<i>Artemisia spp.</i>
Aster: Bonny Blue.....	<i>Aster spp.</i>
Purple Dome.....	<i>Aster X frikartii</i>
Lady Fern; Fern Lady.....	<i>Athyrium filix-femina</i>
Fibrous Begonia: Hardy Grandis.....	<i>Begonia spp.</i>
	<i>Bergenia cordifolia</i>
Snowbank.....	<i>Boltonia asteroides</i>
Bougainvillea.....	<i>Bougainvillea spp.</i>
Butterfly-Bush (Dwarf Blue); Royal Red.....	<i>Buddleia davidii</i>
Crimson Bottlebrush.....	<i>Callistemon citrinus</i>
Tussock Bellflower; (White Clips).....	<i>Campanula carpatica</i>
Trumpet Creeper, Trumpet Flower, Madame Galen.....	<i>Campis X tagliabuana</i>
	<i>Ceratostigma plumbaginoides</i>
	<i>Chrysanthemum nipponicum</i>



Coreopsis (Calliopsis); Early Sunrise, Moonbeam	Coreopsis spp.
Lucifer	Crocsmia spp.
Cooperi Pink	Delosperma spp.
Larkspur; Blue Elf	Delphinium spp.
Dianthus, Maiden Pinks 'Zing'	Dianthus deltoides
Cheddar Pink	Dianthus gratianopolitanus
Coneflower, Purple; Magnus	Echinacea purpurea
Weeping Forsythia	Forsythia suspensa
Gaillardia, Blanket Flower: 'Goblin'	Gaillardia spp.
	Gaura spp.
Gentian	Gentiana dahurica
Cranesbill	Geranium cinereum
Baby's Breath	Gypsophila repens
Sunrose	Helianthemum spp.
Daylily: Aztec Gold, Stella De Oro, Tender Love	Hemerocallis spp.
Coral Bell; Bridget Bloom	Heucherella spp.
Mallow; Disco Belle White	Hibiscus spp.
Hosta, Plantain Lily (Fragrant)	Hosta plantaginea
Hosta, 'Searsucker'	Hosta sieboldiana
	Houttuynia cordata var. variegata
Bigleaf Hydrangea	Hydrangea macrophylla
	Inula ensifolia
Sword-Leaved Iris; Jodlesong	Iris ensata
Siberian Iris; Cabernet	Iris siberica
Parsoni	Juniperus davurica
Crape Myrtle; Tuscarora	Lagerstromia indica X fauriei
Weeping Lantana	Lantana montevidensis
Lavender; Munstead	Lavender spp.
Edelweiss	Leontopodium alpinum
Chinese Privet; Variegata	Ligustrum sinense
Lily; Jazz	Lilium spp.
Liriope, Variegated	Liriope muscari var. variegata
Liriope, Creeping	Liriope spicata
Cardinal Flower, Indian Pink	Lobelia cardinalis
Burgundy	Loropetalum chinense
Loosestrife; Modern Pink	Lythrum spp.
Yaku Jima**, Silberfeder**	Miscanthus sinensis
Evening Primrose	Oenothera missourensis



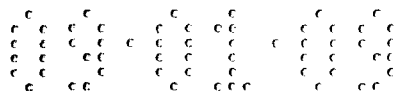
Osmanthus (False Holly): Gulf Tide.....	<i>Osmanthus heterophyllus</i>
Tree Peony.....	<i>Paeonia suffruticosa</i>
Fountain Grass (Dwarf)**.....	<i>Pennisetum setaceum</i>
	<i>Perovskia atriplicifolia</i>
Dragonhead, False; Vivid.....	<i>Physostegia virginiana</i>
Oak, Shumard's Red.....	<i>Quercus shumardii</i>
Yedda Hawthorne.....	<i>Raphiolepis umbellata</i>
'Delaware Valley White'.....	<i>Rhododendron (including Azalea)</i>
'Flame Creeper'	
'Girard Crimson'	
'George L. Tabor'	
'Wakeiebisu'	
'White Gumpo'	
Black-Eyed Susan: Goldstrum.....	<i>Rudbeckia spp.</i>
Saxifrage; Purple Dome.....	<i>Saxifraga spp.</i>
Pincushion Flower.....	<i>Scabiosa spp.</i>
Stonecrop; Lidakense.....	<i>Sedum cauticola</i>
Stonecrop.....	<i>Sedum dasyphyllum</i>
Stonecrop; Dragon's Blood.....	<i>Sedum spurium</i>
Spiraea: Anthony Waterer.....	<i>Spiraea bumalda</i>
Australian Brushcherry.....	<i>Syzygium paniculatum</i>
Germander.....	<i>Teucrium spp.</i>
Meadow Rue.....	<i>Thalictrum dipterocarpum</i>
Veronica, Speedwell; Sunny Border.....	<i>Veronica spp.</i>
Arrowood Viburnum.....	<i>Viburnum suspensum</i>

\*\* Not for use on container grown plants.

### VEGETATION MANAGEMENT

Quali-Pro Prodiamine 65 WDG may be applied to soil surfaces for preemergence control of many grass and broadleaf weeds in:

- Non-crop areas including ornamentals (does not include container or field grown ornamentals) and established perennial and wildflower plantings on or surrounding:
  - o Managed rights-of-way for transportation systems and utilities including roadways, roadsides, railways, and equipment yards;
  - o Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows.



### Weeds Controlled—Vegetation Management

When used as directed in this label, Quali-Pro Prodiamine 65 WDG will control the following weeds:

Barnyardgrass  
 Bluegrass, Annual (*Poa annua*)<sup>1</sup>  
 Carpetweed  
 Chickweed, Common<sup>1</sup>  
 Chickweed, Mouseear (from seed)  
 Crabgrass (Large, Smooth)<sup>3</sup>  
 Crowfootgrass  
 Cupgrass, Woolly  
 Foxtails, Annual  
 Goosegrass<sup>3</sup>  
 Henbit<sup>1</sup>  
 Itchgrass  
 Johnsongrass (from seed)  
 Junglerice  
 Knotweed<sup>1</sup>  
 Kochia  
 Lambsquarter, Common  
 Lovegrass  
 Panicum (Texas, Fall, Browntop)  
 Pigweed  
 Purslane, Common  
 Pusley, Florida  
 Rescuegrass<sup>2</sup>  
 Shepherdspurse<sup>1</sup>  
 Signalgrass, Broadleaf  
 Speedwell, Persian  
 Sprangletop  
 Spurge, Prostrate  
 Witchgrass  
 Woodsorrel, Yellow (from seed)

<sup>1</sup> To control this weed, apply Quali-Pro Prodiamine 65 WDG in late summer, fall, or winter before weed seeds germinate.

<sup>2</sup> Suppression only.

<sup>3</sup> Sequential applications may be made as long as the total amount of product applied does not exceed 2.3 lbs./A per year. To control weeds, all applications must be made before weed seeds germinate.



### Application Timing and Information—Vegetation Management

Quali-Pro Prodiamine 65 WDG:

1. Provides residual preemergence weed control.
2. Will not control emerged weeds.
3. May be applied to newly transplanted and established ornamentals as a broadcast or over-the-top spray.
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 inches of irrigation or rainfall or shallow (1-2 inches) mechanical incorporation.
6. Is most effective when applied to soil free of clods, weeds, and debris such as leaves and mulch.

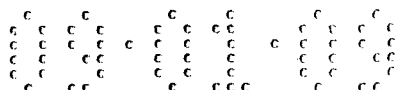
### Use Precautions—Vegetation Management

To reduce injury potential:

1. Direct application of Quali-Pro Prodiamine 65 WDG to rapidly growing tissue or buds may injure desirable plants. In the spring when buds are rapidly growing and expanding, over-the-top application of Quali-Pro Prodiamine 65 WDG may temporarily injure new growth of desirable plants. To reduce the possibility of injury at this time, wait to apply Quali-Pro Prodiamine 65 WDG 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.
2. After application (immediately for deciduous plants), irrigate the treated area to wash Quali-Pro Prodiamine 65 WDG from plant surfaces onto soil. Watering plants before application may improve the washing process.

### How Much and When to Apply—Vegetation Management

AMOUNT TO APPLY (BROADCAST)*	WHEN TO APPLY	COMMENTS/INSTRUCTIONS
1.0-2.3 lbs./A. or 0.37-0.83 oz/1000 sq.ft.	In fall and/or spring before weeds germinate or after weeds are removed.	Use the higher rate for longer control. Quali-Pro Prodiamine 65 WDG may be applied more than once per year as long as the total amount of product applied does not exceed 2.3 lbs./A. per year.



\*Note: For band application, calculate amount per acre:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{broadcast rate} = \text{amt. to apply/acre of field}$$

#### Equivalent Measurements for Quali-Pro Prodiamine 65 WDG

Lbs./A	Oz./1000 sq. ft.	Approximate Equivalent Tablespoons/1000 sq. ft.
1.0	0.37	1
1.5	0.55	1 1/2
2.0	0.74	2
2.3	0.83	2 1/4

#### Application Sites and Use Precautions–Vegetation Management

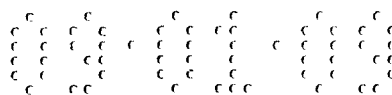
SITE	USE PRECAUTIONS
Ornamental Trees, Shrubs, Vines	Apply as a broadcast, over-the-top, or as a directed spray. Delay applications to newly transplanted ornamentals until soil has settled around transplants.
Ornamental Bulbs and Perennial Wildflower Plantings	May be applied to bulbs or perennial wildflower species listed in the section <b>Tolerant Ornamental Species</b> . Apply before or after bulbs emerge but before bloom and weeds emerge. In wildflowers, a postemergence herbicide labeled for wildflowers may be needed to control weeds that have already emerged.

#### Tank Mixtures–Vegetation Management

Quali-Pro Prodiamine 65 WDG 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 Quali-Pro Prodiamine 65 WDG are for use only in states where the tank mix partner(s), application site, and intended use pattern are registered.

Follow the label(s) of the tank mix partner(s) for application rates, timing, weeds controlled, tolerant ornamentals, and specific use precautions and/or restrictions. Before combining tank mix partners in the spray tank, test compatibility by mixing the products in a small container. See the **COMPATIBILITY TEST** section.





## Tank Mixing and Application—Vegetation Management

### Tank Mix Partners for Quali-Pro Prodiamine 65 WDG

PRODUCT	PRECAUTIONS/INSTRUCTIONS
Goal®, Galigan® (use on conifers only)	Mix with Quali-Pro Prodiamine 65 WDG for postemergence control of certain broadleaf weeds including malva and filaree.
Gallery®, Princep®, Pennant®	See product labels for weed spectrum and tolerant ornamentals.
Touchdown®Pro (or other glyphosate-based labeled products), Reward® and Finale®	These non-selective tank mix herbicides control most emerged annual broadleaves and grasses. Take extreme care to prevent tank mixtures with these partner products from contacting the foliage and stems of turf-grass, 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 contacting foliage of desirable plants. Follow 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 Ornamental Species\*—Vegetation Management

### \*Not for use on container or field grown ornamentals

Quali-Pro Prodiamine 65 WDG will not harm most trees, shrubs, vines, and flowers. The species listed below in Table 4 are tolerant to Quali-Pro Prodiamine 65 WDG.

Quali-Pro Prodiamine 65 WDG is approved for application, except in California, to the species in Table 5. Quali-Pro Prodiamine 65 WDG may be applied over the top of the listed species.

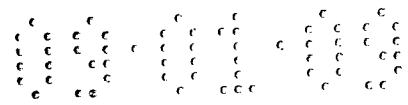
When plants are under stress (such as heat, drought, or frost damage), some cultivars of listed plants may be sensitive to Quali-Pro Prodiamine 65 WDG.

**TABLE 4: TOLERANT ORNAMENTAL SPECIES\*—VEGETATION MANAGEMENT—ALL STATES**

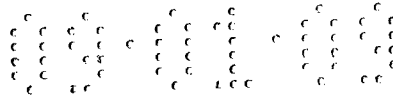
#### Common Name

#### Scientific Name

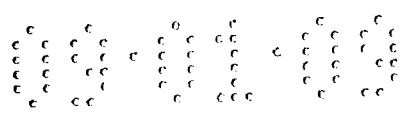
Fir species (Balsam, Fraser, Noble, etc.) ..... *Abies spp.*  
 Japanese Maple ..... *Acer palmatum*



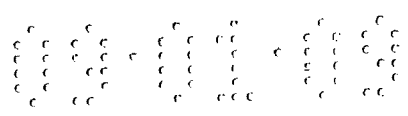
Norway Maple***	<i>Acer platanoides</i>
Kiwi**	<i>Actinidia chinensis</i>
Lily-of-the-Nile (African Lily)	<i>Agapanthus africanus</i>
Vine Hill Manzanita	<i>Arctostaphylos densiflora</i>
Cape Weed	<i>Arctotheca calendula</i>
Japanese Aucuba	<i>Aucuba japonica</i>
Barberry	<i>Berberis gladwynensis</i>
Wintergreen Barberry	<i>Berberis julianae</i>
Mentor Barberry	<i>Berberis mentorensis</i>
Japanese Barberry	<i>Berberis thunbergii</i>
Warty Barberry	<i>Berberis verruculosa</i>
Japanese Boxwood	<i>Buxus microphylla</i>
Weeping Bottlebrush	<i>Callistemon viminalis</i>
Scotch Heather	<i>Calluna vulgaris</i>
Hottentot Fig (Ice Plant)	<i>Carpobrotus edulis</i>
Feathery Cassia	<i>Cassia artemisoides</i>
Wild Lilac	<i>Ceanothus rigidus</i>
False Cypress	<i>Chamaecyparis pisifera</i>
Cleyera	<i>Cleyera japonica</i>
Citrus species**	<i>Citrus spp.</i>
Flowering Dogwood	<i>Cornus florida</i>
American Dogwood	<i>Cornus stolonifera</i>
Pampas Grass	<i>Cortaderia selloana</i>
Cranberry Cotoneaster	<i>Cotoneaster apiculatus</i>
Cotoneaster	<i>Cotoneaster buxifolius</i>
Bearberry Cotoneaster	<i>Cotoneaster dammeri</i>
Rockspray Cotoneaster	<i>Cotoneaster microphyllus</i>
Hawthorne	<i>Crataegus spp.</i>
Italian Cypress	<i>Cupressus sempervirens</i>
White Trailing Ice Plant	<i>Delosperma alba</i>
Hop Bush	<i>Dodonea viscosa</i>
Silverberry	<i>Elaeagnus pungens</i>
Wintercreeper	<i>Euonymus fortunei</i>
Japanese Spindle Tree (Evergreen Euonymus)	<i>Euonymus japonica</i>
Spreading Euonymus	<i>Euonymus kiautschovica</i>
Japanese Aralia	<i>Fatsia japonica</i>
Border Forsythia	<i>Forsythia intermedia</i>
Greenstem Forsythia	<i>Forsythia viridissima</i>



Gardenia, Cape-Jasmine.....	<i>Gardenia jasminoides</i>
Gladiolus species.....	<i>Gladiolus</i> spp.
English Ivy.....	<i>Hedera helix</i>
Rose of Sharon.....	<i>Hibiscus</i>
Chinese Hibiscus.....	<i>Hibiscus Rosa-sinensis</i>
Chinese Holly.....	<i>Ilex cornuta</i>
Japanese Holly.....	<i>Ilex crenata</i>
American Holly.....	<i>Ilex opaca</i>
Holly.....	<i>Ilex pernyi</i>
Yaupon Holly.....	<i>Ilex vomitoria</i>
Iris species.....	<i>Iris</i> spp.
Winter Jasmine.....	<i>Jasminium nudiflorum</i>
Chinese Juniper.....	<i>Juniperus chinensis</i>
Shore Juniper.....	<i>Juniperus conferta</i>
Creeping Juniper.....	<i>Juniperus horizontalis</i>
Walnut**.....	<i>Juglans</i> spp.
Shrimp Plant.....	<i>Justicia brandegeana</i>
Crape Myrtle.....	<i>Lagerstromia indica</i>
Amur Privet.....	<i>Ligustrum amurense</i>
Japanese Privet.....	<i>Ligustrum japonicum</i>
Glossy Privet (wax-leaf).....	<i>Ligustrum lucidum</i>
Big Blue Lillyturf.....	<i>Liriope muscari</i>
Japanese Honeysuckle.....	<i>Lonicera japonica</i>
Tatarian Honeysuckle.....	<i>Lonicera tatarica</i>
Magnolia species.....	<i>Magnolia</i> spp.
Ice Plant.....	<i>Maleophora luteola</i>
Crabapple**.....	<i>Malus</i> spp.
Heavenly Bamboo.....	<i>Nandina domestica</i>
Narcissus species.....	<i>Narcissus</i> spp.
Oleander.....	<i>Nerium</i> spp.
Olive**.....	<i>Olea europaea</i>
Mondo Grass.....	<i>Ophiopogon japonicus</i>
Trailing African Daisy.....	<i>Osteospermum fruticosum</i>
Sourwood.....	<i>Oxydendrum arboreum</i>
Avocado**.....	<i>Persea americana</i>
Fraser's Photinia (Redtip).....	<i>Photinia fraseri</i>
Spruce species*** (Colorado Blue, Norway, etc.).....	<i>Picea</i> spp.
Lily-of-the-Valley Shrub.....	<i>Pieris japonica</i>



Calabrian Pine .....	<i>Pinus brutia</i>
Canary Island Pine .....	<i>Pinus canariensis</i>
Slash Pine .....	<i>Pinus elliottii</i>
Aleppo Pine .....	<i>Pinus halepensis</i>
Austrian Black Pine .....	<i>Pinus nigra</i>
Longleaf Pine .....	<i>Pinus palustris</i>
Monterey Pine .....	<i>Pinus radiata</i>
Eastern White Pine .....	<i>Pinus strobus</i>
Scotch Pine .....	<i>Pinus sylvestris</i>
Loblolly Pine .....	<i>Pinus taeda</i>
Japanese Black Pine .....	<i>Pinus thunbergiana</i>
Virginia Pine .....	<i>Pinus virginiana</i>
Pistachio** .....	<i>Pistacia spp.</i>
Queensland Pittosporum .....	<i>Pittosporum rhombifolium</i>
Japanese Pittosporum .....	<i>Pittosporum tobira</i>
Japanese Yew .....	<i>Podocarpus macrophyllus</i>
English Laurel .....	<i>Prunus laurocerasus</i>
Almond, Apricot, Nectarine, Peach, Plum, Prune** .....	<i>Prunus spp.</i>
Douglas Fir*** .....	<i>Pseudotsuga menziesii</i>
Firethorn, Scarlet .....	<i>Pyracantha coccinea</i>
Firethorn, Chinese .....	<i>Pyracantha fortuneana</i>
Firethorn, Formosa .....	<i>Pyracantha koidzumii</i>
Bradford Pear spp. ....	<i>Pyrus spp.</i>
Oak species .....	<i>Quercus rubra</i>
Indian Hawthorne .....	<i>Raphiolepis indica</i>
'Coral Bells' .....	<i>Rhododendron (including Azalea)</i>
'Formosa'	
'Hino-crimson'	
'PJM'	
'Roseum Elegans'	
Lady Bank's Rose .....	<i>Rosa banksiae</i>
Rosemary** .....	<i>Rosmarinus officinalis</i>
Leatherleaf Fern .....	<i>Rumohra adiantiformis</i>
	<i>Santolina virens</i>
Stonecrop .....	<i>Sedum album</i>
Japanese Boxcherry .....	<i>Syzygium paniculatum</i>
Japanese Yew .....	<i>Taxus cuspidata</i>
Yew .....	<i>Taxus media</i>



American Arborvitae	.....	<i>Thuja occidentalis</i>
Star Jasmine	.....	<i>Trachelospermum asiaticum</i>
Canada Hemlock	.....	<i>Tsuga canadensis</i>
Tulip species	.....	<i>Tulipa spp.</i>
Japanese Viburnum	.....	<i>Viburnum japonicum</i>
Sweet Viburnum	.....	<i>Viburnum odoratissimum</i>
Japanese Snowball	.....	<i>Viburnum plicatum</i>
Canary Island Viburnum	.....	<i>Viburnum rigidum</i>
Laurustinus	.....	<i>Viburnum tinus</i>
Cranberry Bush	.....	<i>Viburnum trilobium</i>
Leatherleaf Viburnum	.....	<i>Viburnum wrightii</i>
Vinca	.....	<i>Vinca major</i>
Dwarf Periwinkle	.....	<i>Vinca minor</i>
Grape**	.....	<i>Vitis spp.**</i>
Old Fashioned Weigela	.....	<i>Weigela florida</i>
Spanish Bayonet	.....	<i>Yucca aloifolia</i>
Yucca, Adam's Needle	.....	<i>Yucca filamentosa</i>

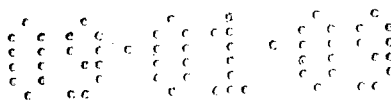
\*Not for use on container or field grown ornamentals.

\*\*Do not use on food-producing trees, vines, or plants.

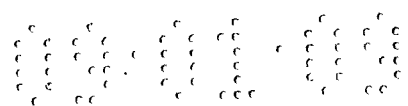
\*\*\*Landscape ornamentals only.

**TABLE 5: TOLERANT ORNAMENTAL SPECIES\*—VEGETATION MANAGEMENT—ALL STATES EXCEPT CA**

COMMON NAME	SCIENTIFIC NAME
Abelia: Sherwood	<i>Abelia grandiflora</i>
Yarrow: King Edward	<i>Achillea spp.</i>
	<i>Agapanthus orientalis</i>
Five-Leaf or Chocolate Vine	<i>Akebia quintata</i>
Lady's Leek, Nodding Onion	<i>Allium cernuum</i>
Japanese Anemone	<i>Anemone hybrida</i>
Aquilegia: Red and Gold	<i>Aquilegia spp.</i>
Wormwood; Silver Mound, Castle	<i>Artemisia spp.</i>
Aster: Bonny Blue, Purple Dome	<i>Aster spp.</i>
	<i>Aster X frikartii</i>
Lady Fern; Fern Lady	<i>Athyrium filix-femina</i>
Fibrous Begonia: Hardy Grandis	<i>Begonia spp.</i>
	<i>Bergenia cordifolia</i>



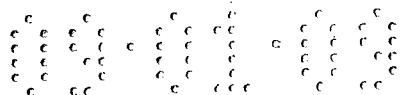
Snowbank .....	<i>Boltonia asteroides</i>
Bougainvillea .....	<i>Bougainvillea</i> spp.
Butterfly-Bush (Dwarf Blue); Royal Red .....	<i>Buddleia davidii</i>
Crimson Bottlebrush .....	<i>Callistemon citrinus</i>
Tussock Bellflower; (White Clips) .....	<i>Campanula carpatica</i>
Trumpet Creeper, Trumpet Flower, Madame Galen .....	<i>Campis X tagliabuana</i>
	<i>Ceratostigma plumbaginoides</i>
	<i>Chrysanthemum nipponicum</i>
Coreopsis (Calliopsis); Early Sunrise, Moonbeam .....	<i>Coreopsis</i> spp.
Lucifer .....	<i>Crocasmia</i> spp.
Cooperi Pink .....	<i>Delosperma</i> spp.
Larkspur; Blue Elf .....	<i>Delphinium</i> spp.
Dianthus, Maiden Pinks 'Zing' .....	<i>Dianthus deltoides</i>
Cheddar Pink .....	<i>Dianthus gratianopolitanus</i>
Coneflower, Purple; Magnus .....	<i>Echinacea purpurea</i>
Weeping Forsythia .....	<i>Forsythia suspensa</i>
Gaillardia, Blanket Flower: 'Goblin' .....	<i>Gaillardia</i> spp.
	<i>Gaura</i> spp.
Gentian .....	<i>Gentiana dahurica</i>
Cranesbill .....	<i>Geranium cinereum</i>
Baby's Breath .....	<i>Gypsophila repens</i>
Sunrose .....	<i>Helianthemum</i> spp.
Daylily: Aztec Gold, Stella De Oro, Tender Love .....	<i>Hemerocallis</i> spp.
Coral Bell; Bridget Bloom .....	<i>Heucherella</i> spp.
Mallow; Disco Belle White .....	<i>Hibiscus</i> spp.
Hosta, Plantain Lily (Fragrant) .....	<i>Hosta plantaginea</i>
Hosta, 'Searsucker' .....	<i>Hosta sieboldiana</i>
	<i>Houttuynia cordata</i> var. <i>variegata</i>
Bigleaf Hydrangea .....	<i>Hydrangea macrophylla</i>
	<i>Inula ensifolia</i>
Sword-Leaved Iris; Jodlesong .....	<i>Iris ensata</i>
Siberian Iris; Cabernet .....	<i>Iris siberica</i>
Parsoni .....	<i>Juniperus davurica</i>
Crape Myrtle; Tuscarora .....	<i>Lagerstromia indica</i> X <i>fauriei</i>
Weeping Lantana .....	<i>Lantana montevidensis</i>
Lavender; Munstead .....	<i>Lavender</i> spp.
Edelweiss .....	<i>Leontopodium alpinum</i>
Chinese Privet; Variegata .....	<i>Ligustrum sinense</i>



Lily; Jazz .....	<i>Lilium spp.</i>
Liriope, Variegated. ....	<i>Liriope muscari</i> var. <i>variegata</i>
Liriope, Creeping. ....	<i>Liriope spicata</i>
Cardinal Flower, Indian Pink. ....	<i>Lobelia cardinalis</i>
Burgundy. ....	<i>Loropetalum chinense</i>
Loosestrife; Modern Pink. ....	<i>Lythrum spp.</i>
Yaku Jima, Silberfeder** .....	<i>Miscanthus sinensis</i>
Evening Primrose .....	<i>Oenothera missouriensis</i>
Osmanthus (False Holly): Gulf Tide. ....	<i>Osmanthus heterophyllus</i>
Tree Peony. ....	<i>Paeonia suffruticosa</i>
Fountain Grass (Dwarf)** .....	<i>Pennisetum setaceum</i>
	<i>Perovskia atriplicifolia</i>
Dragonhead, False; Vivid. ....	<i>Physostegia virginiana</i>
Oak, Shumard's Red44 .....	<i>Quercus shumardii</i>
Yedda Hawthorne .....	<i>Raphiolepis umbellata</i>
'Delaware Valley White' .....	<i>Rhododendron (including Azalea)</i>
'Flame Creeper'	
'Girard Crimson'	
'George L. Tabor'	
'Wakeiebisu'	
'White Gumpo'	
Black-Eyed Susan: Goldstrum. ....	<i>Rudbeckia spp.</i>
Saxifrage; Purple Dome .....	<i>Saxifraga spp.</i>
Pincushion Flower .....	<i>Scabiosa spp.</i>
Stonecrop; Lidakense .....	<i>Sedum caudicicola</i>
Stonecrop. ....	<i>Sedum dasyphyllum</i>
Stonecrop; Dragon's Blood .....	<i>Sedum spurium</i>
Spiraea: Anthony Waterer .....	<i>Spiraea bumalda</i>
Australian Brushcherry .....	<i>Syzygium paniculatum</i>
Germander .....	<i>Teucrium spp.</i>
Meadow Rue .....	<i>Thalictrum dipterocarpum</i>
Veronica, Speedwell; Sunny Border. ....	<i>Veronica spp.</i>
Arrowood Viburnum .....	<i>Viburnum suspensum</i>

\*Not for use on container or field grown ornamentals.

\*\* Landscape ornamentals only.

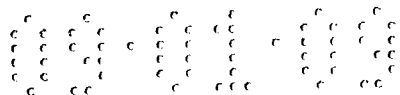


**CONIFER AND HARDWOOD SEEDLING NURSERIES (NON-ORNAMENTAL, FORESTRY USE ONLY)–VEGETATION MANAGEMENT–QUALI-PRO PRODIAMINE 65 WDG**

1. Provides residual preemergence weed control in conifer and hardwood seedling nurseries.
2. Provides the most effective weed control when the product is activated in the soil by 0.5 inch of irrigation or rainfall before weed seeds germinate and within 14 days after application.
3. Should be applied to conifer and hardwood seedling nurseries any time after the soil has settled around newly transplanted seedlings and liners.

SITE	APPLICATION RATE		TIMING	COMMENTS/INSTRUCTIONS
	Lbs./A	Oz./1000 sq.ft		
Conifer and Hardwood Seedling Nurseries	1.0-2.3	0.37-0.84	Apply in fall or spring before weed seeds germinate or after weeds are removed.	Use higher rate range for longer control. More than one application per year is permitted, but do not apply more than 2.3 lbs./A per year.
Southern Pine Seedbeds	0.75	---	Just after seeding and/or a minimum of 3 weeks after most seedlings have shed their seedcoat.	To assist in the establishment of Southern pine seedbeds, apply this product preemergence just after seedling pines. Application after emergence of pine seedlings should not occur until 3 weeks after most seedlings have shed their seedcoat. Mix this product with clean water and broadcast spray at 20 to 40 psi in a minimum of 20 gals. of water per treated area. After application, sprinkler irrigate beds with approximately 1/2 inch of water.
Hardwood, Seedbeds: Oak ( <i>Quercus</i> spp.), Sweetgum, Green Ash	0.75-1.5	---	When seedlings are at least 6 weeks old (from time of 50% germination).	Use higher rate for longer control and when higher weed pressure is anticipated. The lower rate will provide 2 to 3 months of weed control. Broadcast to beds and apply approximately 1/2 inch of sprinkler irrigation afterwards.





### Tank Mixtures—Conifer Seedling Nurseries—Vegetation Management

Quali-Pro Prodiamine 65 WDG 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 Quali-Pro Prodiamine 65 WDG are for use only in states where the tank mix partner, application site, and intended use pattern are registered.

Follow the label of the tank mix partner for application rates, timing, weeds controlled, tolerant ornamentals, and specific use precautions and/or restrictions. Before combining the tank mix partner in the spray tank, test compatibility by mixing the products in small container. See the **COMPATIBILITY TEST** section.

### Tank Mixing and Application—Vegetation Management

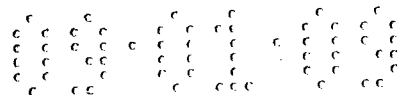
#### Tank Mix Partner for Quali-Pro Prodiamine 65 WDG-Conifer Seedling Nurseries

PRODUCT	PRECAUTIONS/INSTRUCTIONS
Goal®, Galigan® (use on conifers only)	Mix with Quali-Pro Prodiamine 65 WDG for postemergence control of certain broadleaf weeds including malva and filaree.

### VEGETATION MANAGEMENT (NON-CROP AREAS)

- May be applied in soil surfaces for preemergence control of many grass and broadleaf weeds.
- Is most effective when activated by at least 0.5 inch rainfall or irrigation or shallow incorporation before weed seeds germinate and within 14 days after application.

SITE	APPLICATION RATE		TIMING	COMMENTS/ INSTRUCTIONS
	LBS./A	OZ./1000 SQ.FT		
Non-crop areas including ornamentals on or surrounding managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards), facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows	1.0-2.3	0.36-0.83	Before weed seeds germinate	Use higher rate for longer control. This product may be applied more than once per year, but do not apply more than 2.3 lbs./A per year.



Quali-Pro Prodiamine 65 WDG may be tank mixed with other registered herbicides to provide a broader spectrum of weed control or to control emerged weeds or brush. Tank mixes with Quali-Pro Prodiamine 65 WDG are for use only in states where the tank mix partner(s) are registered for the application site.

#### Tank Mix Partners with Quali-Pro Prodiamine 65 WDG—Vegetation Management

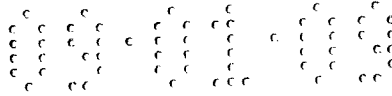
PRODUCTS	COMMENTS
Touchdown® Pro (and glyphosate-based products <sup>1</sup> ) Gramoxone®, Reward®, Predict®, Princep®, Vanquish®, diuron-based products <sup>1</sup> , Finale®, Gallery, Garlon®, Goal®, Krovar® I and II, Oust®, Arsenal®, Spike™, and Telar®	Follow the label(s) of the tank mix partner(s) for application rates, timing, weeds controlled, tolerant ornamentals, and specific use precautions and/or restrictions. Do not mix Quali-Pro Prodiamine 65 WDG with any product whose label prohibits mixing with another pesticide.

<sup>1</sup> Products with this chemical as the active ingredient and which are labeled for the same use may be used.

#### CHEMIGATION INSTRUCTIONS-OVERHEAD SPRINKLER IRRIGATION APPLICATION

##### Use Precautions

1. Apply this product only through an overhead sprinkler irrigation system. Do not apply this product through any other type of irrigation system.
2. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.
3. To avoid injury to foliage, make sure foliage is sufficiently wet before application or adequate irrigation is applied after application.
4. If sprinkler distribution patterns do not overlap sufficiently, unacceptable weed control may result.
5. If sprinkler distribution patterns overlap excessively, injury to leatherleaf ferns may result.
6. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to public water systems unless pesticide label-prescribed safety devices for public water systems are in place.
7. If necessary, a person knowledgeable of the chemigation system and responsible for its operation, or someone under the supervision of the responsible person, shall shut the system down and make necessary adjustments.



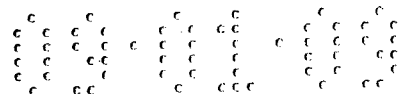
### Operation Instructions

1. 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.
2. The pesticide injection pipeline must contain a functional automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. 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.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.
6. 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.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.
8. Prepare a mixture with a minimum of 20 parts of water to 1 part Quali-Pro Prodiamine 65 WDG and inject this herbicide suspension mixture into the overhead system. Injecting a larger volume of a more dilute mixture per hour will usually provide more accurate calibration of metering equipment. Maintain sufficient agitation to keep the herbicide in suspension.
9. Before injecting Quali-Pro Prodiamine 65 WDG into the system, run the irrigation system long enough to wet the foliage, then inject Quali-Pro Prodiamine 65 WDG suspension mixture in the pesticide supply tank (see number 8 above) in 1 inch of irrigation water. After the application is complete, continue the irrigation until all residues are washed off the foliage.

### Application Precautions

To reduce injury potential:

1. Direct application of Quali-Pro Prodiamine 65 WDG to rapidly growing tissue or buds may injure desirable plants. Do not make over-the-top application of Quali-Pro Prodiamine 65 WDG until after newly formed tissue has hardened off.
2. Immediately wash Quali-Pro Prodiamine 65 WDG from plant surfaces onto soil.
3. Do not apply to newly transplanted ferns until after the plants are established and begin to grow.



**Weeds controlled**

**COMMON NAME**

**SCIENTIFIC NAME**

Florida Betony .....	<i>Stachys flordana</i>
Buttercup Oxalis .....	<i>Oxalis pes-caprae</i>
Crabgrass .....	<i>Digitaria spp.</i>
Common Vetch .....	<i>Vicia sativa</i>

**Weeds suppressed**

**COMMON NAME**

**SCIENTIFIC NAME**

Wandering Jew .....	<i>Zebrian pendual</i>
---------------------	------------------------

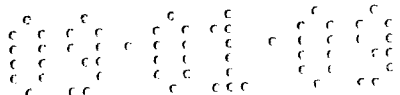
**FOR CONTROL OF CERTAIN WEEDS ON DRAINAGE DITCHES IN CALIFORNIA AND ARIZONA ONLY**

**Irrigation, Drainage Ditches, Spreading Grounds, Channels, Canals, and Similar Sites:**

Apply 1.0 to 2.3 lbs. per acre for preemergent control of shallow germinating annual grasses and small seeded broadleaf weeds. Prodiamine 65WG inhibits growth and development of newly germinated weed seeds. It will not control established vegetation. Higher rates of application provide for a longer control period. Sequential applications are allowed so long as the total amount of product applied does not exceed the maximum annual application of 2.3 lbs. per acre. Apply only when water is not present. For irrigation ditches, apply when ditch is not in use. To minimize movement of Prodiamine 65WG with irrigation water and to activate product, it is essential that the herbicide be fixed in the soil by moisture. Apply before expected seasonal rainfall (if possible when soil in the ditch is still moist). Following treatment, if rainfall has not totaled at least one-half inch within 14 to 21 days, fill ditch with water and allow to stand for 48 hours; drain off any remaining water before using ditch.

**Wastewater Treatment Facilities (Levees)**

Apply 1.0 to 2.3 lbs. per acre for preemergent control of shallow germinating annual grasses and small seeded broadleaf weeds. Use the higher rate of application for longer control periods. Sequential applications are allowed so long as the total amount of product applied does not exceed the maximum annual application of 2.3 lbs. per acre. Applications may be made down to the water level. Do not apply to the water. Care must be taken not to allow overspray of the water or drift into the water.



### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in original container away from fertilizer, feed, or foodstuffs.

**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 (flexible-bag-all weights):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.

**Nonrefillable Container (rigid-fifty lbs. 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. 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.

**Nonrefillable Container (rigid-greater than fifty lbs.):** 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. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

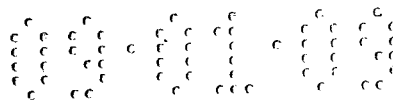
**Refillable Container:** Refillable container. Refill this container with prodiamine only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

### 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. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of 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.

Finale® - Bayer CropScience

Galigan® - Agan Chemical Manufacturers, Ltd.

Gallery®, Goal®, - Dow AgroSciences

Pennant®, Princep®, Touchdown® - Syngenta Group Company

Quali-Pro® is a registered trademark of Makhteshim Agan of North America, Inc.

NEXT

LABEL

66222-89

09/29/2009

1/21



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms. Christie Hitchcock  
Product Registration  
MANA, Inc.  
4515 Falls of Neuse Road, Suite 300  
Raleigh, NC 27609

SEP 29 2009

SUBJECT: Application for Pesticide Notification PRN 98-10  
Request Alternate Brand Name "PrimeOne Prodiamine 65 WDG"  
EPA Reg. No. 66222-89  
Application Dated August 24, 2009.

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 08/24/09 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs





United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 66222-89	2. EPA Product Manager Linda Arrington	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Prodiamine 65 WG	PM# <u>25</u> Registration Support Branch	
5. Name and Address of Applicant (Include ZIP Code) Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b>  SEP 29 2009
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification of Alternate Brand Name: PrimeraOne Prodiamine 65 WDG.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 152.46, and 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 USC 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.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Christie Hitchcock	Title Regulatory Specialist	Telephone No. (Include Area Code) 919-256-9342	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment, both under applicable law.			6. Date Application Received  (Stamped)  _____ _____ _____ _____
2. Signature 	3. Title Regulatory Specialist		
4. Typed Name Christie Hitchcock	5. Date 08-24-09		



NOTIFICATION

SEP 29 2004

PULL HERE TO OPEN

PrimeraONE

# Prodiamine 65WDG

## Herbicide

<b>ACTIVE INGREDIENT: % by Weight</b>	
Prodiamine (CAS No. 29091-21-2) . . .	65.0%
<b>INERT INGREDIENTS: . . . . .</b>	
<b>TOTAL . . . . .</b>	<b>100.0%</b>

EPA REG. NO. 66222-89

KEEP OUT OF REACH  
OF CHILDREN

**CAUTION**

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

EPA 051104/Notif 072308/Rev B

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 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>
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
IF INHALED:	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
IF SWALLOWED:	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies involving this product, call Prosar at 1-877-250-8291.	

Manufactured for Makhteshim Agan of North America, Inc. • 4515 Falls of Neuse Road, Suite 300 • Raleigh, NC 27609

EPA Est. No. 37429-GA-001<sup>st</sup>, 37429-GA-002<sup>nd</sup>  
Letter(s) in lot number correspond(s) to superscript  
in EPA Est. No.

13009

**Net Contents: 5 Pounds**



# Prodiamine 65WDG

## Herbicide

<b>ACTIVE INGREDIENT:</b> % by Weight	
Prodiamine (CAS No. 29091-21-2) . . .	65.0%
<b>INERT INGREDIENTS:</b> . . . . .	35.0%
<b>TOTAL:</b> . . . . .	100.0%

EPA REG. NO. 66222-89

KEEP OUT OF REACH OF CHILDREN

### CAUTION

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

13009

EPA 051104/Notif 072308/Rev B

#### 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 15-20 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>
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<b>IF INHALED:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>

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For medical emergencies involving this product, call Prosar at 1-877-250-9291.

Manufactured for Makhteshim Agan of North America, Inc. • 4515 Falls of Neuse Road, Suite 300 • Raleigh, NC 27609

**For preemergence control of grass and broad-leaf weeds in:**

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

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

**CAUTION:** Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**WPS USES:**

**Applicators and other handlers (other than mixers and loaders) 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
- Chemical-resistant gloves such as butyl rubber >14 mils, neoprene rubber >14 mils, or nitrile rubber >14 mils. (See instructions for Category A on the EPA chemical resistance category selection chart if you want other options.)
- Shoes plus socks

**Mixers and loaders must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as butyl rubber >14 mils, neoprene rubber >14 mils, or nitrile rubber >14 mils. (See instructions for Category A on the EPA chemical resistance category selection chart if you want other options.)
- Shoes plus socks

**NON-WPS USES:**

**Mixers and loaders who handle this product for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) – in general, only agricultural-plant uses are covered by the WPS – must wear:**

- Chemical-resistant gloves such as butyl rubber >14 mils, neoprene rubber >14 mils, or nitrile rubber >14 mils. (See instructions for Category A on the EPA chemical resistance category selection chart if you want other options.)

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

**ENGINEERING CONTROLS 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 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.
- After handling this product, immediately wash the outside of gloves before removing them; then remove gloves and all other PPE. Immediately wash 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 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.

(continued)

### AGRICULTURAL USE REQUIREMENTS

(continued)

**DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. Exception: If this 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
- Waterproof gloves
- Shoes plus socks

### GENERAL INFORMATION

#### WHERE TO USE

PrimeraOne Prodiamine 65 WDG is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- Established turfgrass (excluding golf course putting greens), lawns, and sod nurseries
- Container, field-grown, and landscape ornamentals
- Established perennial and wildflower plantings
- Christmas tree farms

#### HOW PRIMERAONE PRODIAMINE 65 WDG WORKS

PrimeraOne Prodiamine 65 WDG controls susceptible weeds by preventing growth and development of newly germinated weed seeds. Weed control is most effective when PrimeraOne Prodiamine 65 WDG is activated by at least 0.5 inch of rainfall or irrigation or shallow incorporation (1 – 2 inches) before weed seeds germinate and within 14 days following application.

### USE PRECAUTIONS

- **DO NOT** graze or feed livestock forage cut from areas treated with PrimeraOne Prodiamine 65 WDG.
- **DO NOT** apply PrimeraOne Prodiamine 65 WDG to plants that will be consumed for food use.
- Follow all applicable directions, restrictions, and precautions on the labels of EPA-registered tank mix partners.
- **DO NOT** blend PrimeraOne Prodiamine 65 WDG onto dry fertilizer or any other granular material.
- Chemigation Statement: **DO NOT** apply this product through any type of irrigation system unless instructed otherwise in this label.
- **DO NOT** apply aerially.
- **DO NOT** apply to golf course putting greens.

### NEW PLANTINGS, REPLANTING, AND ROTATIONAL PLANTINGS

Nursery, landscape, or non-crop land areas treated with PrimeraOne Prodiamine 65 WDG should be rotated only to ornamental species listed on this label for 1 year following application unless the following test has shown species safety:

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 re-treat exposed soil to maintain satisfactory weed control.

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.

### MIXING AND APPLICATION PROCEDURES

#### MIXING

PrimeraOne Prodiamine 65 WDG must be mixed thoroughly in the spray tank to ensure uniform application. Follow these steps:

1. Fill the spray tank 1/4 full with clean water or fluid fertilizer only.
2. Start agitation and check to ensure it is working properly.
3. Add PrimeraOne Prodiamine 65 WDG directly into the tank.
4. Add the rest of the carrier to obtain the final spray volume.
5. A spray colorant may be used with PrimeraOne Prodiamine 65 WDG to mark areas as they are treated. This will improve application accuracy by minimizing swath skips and overlaps.
6. Maintain vigorous agitation in the spray tank before and during the application. This will ensure a well mixed spray suspension.
7. **DO NOT** allow spray suspension to dry in the tank. Thoroughly clean the sprayer after use by flushing the system with water containing a detergent. Refer to the **Pesticide Disposal** section of this label for waste disposal.

#### TANK MIXING PRIMERAONE PRODIAMINE 65 WDG

PrimeraOne Prodiamine 65 WDG 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 consult 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 PrimeraOne Prodiamine 65 WDG in a tank mixture with other pesticides, observe the most restrictive label limitations and precautions on the labels of the products used.

Before tank mixing with other pesticides not named on this label, compatibility must be tested. See the **Compatibility Test** section below.

### COMPATIBILITY TEST

Before mixing PrimeraOne Prodiamine 65 WDG with other pesticides in the spray tank, test the compatibility by mixing all components (carrier and pesticide products) in a small container in proportionate quantities. For example, a 1 qt. jar would be 1/100 the volume of a 25 gal./acre spray rate. At 1 lb./acre, the PrimeraOne Prodiamine 65 WDG rate would be proportional to 4.5 g per quart. Add approximately 1.5 teaspoons to a qt. of water. Calculate amounts for other products based on rate per acre. An approximate volume would be 1.5 teaspoons for each lb./acre of a dry formulation and 0.5 teaspoons for each pt./acre of a liquid formulation. (See following table).

### AMOUNT OF COMPONENT TO ADD TO ONE QUART JAR OF SPRAY CARRIER (Assuming Carrier Volume of 25 gals./Acre)

Components Formulations	Rate per Acre	Rate per 1,000 sq. ft.	Level Teaspoons
PrimeraOne Prodiamine 65 WDG	1.0 lb.	0.4 oz.	1.5
Dry Tank Mix Partners	1.0 lb.	0.4 oz.	1.5
Liquid Tank Mix Partners	1.0 pt.	0.4 oz.	0.5

If components **DO NOT** ball up or form flakes, sludge, gels, oily films, or layers, then the mixture is compatible. Incompatibility will usually occur within 5 minutes after mixing. If the components are not compatible, a compatibility agent must be added to the tank mixture. Rerun the test to determine if the mixture is suitable after addition of the compatibility agent. If components are still not compatible, **DO NOT** tank mix.

### MIXING ORDER FOR TANK MIXTURES

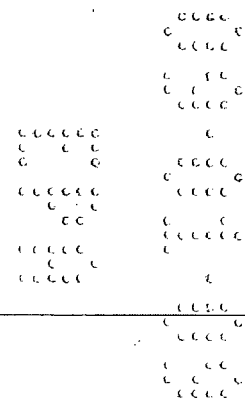
Notes: 1. When mixing PrimeraOne Prodiamine 65 WDG with other components (carrier and partner pesticide products), allow products to completely dissolve between steps. This is key when tank mixing with ester formulations. 2. Maintain agitation throughout mixing and application of the mixture.

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

1. Add products packaged in water-soluble bags first. Agitate the tank mixture. Allow the water-soluble bags to completely dissolve and the product to disperse before adding any other tank mix partner.
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 flowable liquids (FL) or suspension concentrates (SC).
5. Add emulsifiable concentrates (EC) last.

### APPLICATION

Apply PrimeraOne Prodiamine 65 WDG in a minimum of 20 gals./acre (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.





## SPECIAL USE DIRECTIONS ESTABLISHED TURF

PrimeraOne Prodiamine 65 WDG is a preemergence herbicide that when properly applied will control certain grass and broadleaf weeds in established turfgrasses including:

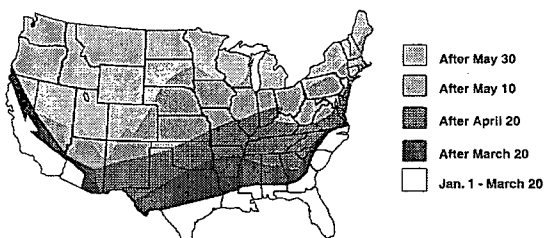
- golf courses excluding putting greens
- lawns
- sod nurseries

The maximum amount of PrimeraOne Prodiamine 65 WDG that may be applied per year is given for each turfgrass species in the **Annual Use Rates – Turfgrass** section of this label.

For optimum weed control, PrimeraOne Prodiamine 65 WDG 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

Approximate Date



### Use Precautions – Turfgrass

1. **DO NOT** apply PrimeraOne Prodiamine 65 WDG to areas where dichondra, colonial bentgrass, velvet bentgrass, or annual bluegrass (*Poa annua*) are desirable species.
2. **DO NOT** harvest treated sod within 90 days of 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 PrimeraOne Prodiamine 65 WDG 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 PrimeraOne Prodiamine 65 WDG to golf course putting greens.
6. If the depth of the creeping bentgrass root system becomes shallow and root tips contact prodiamine-treated soil, new root formation may be inhibited. Mowing height can affect the depth of a plant's root system. To avoid this, do not apply PrimeraOne Prodiamine 65 WDG to creeping bentgrass less than 0.5 inch in height.

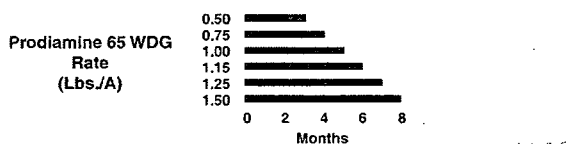
### Application Timing and Rate – Turfgrass

PrimeraOne Prodiamine 65 WDG may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications should be made before target weeds germinate. PrimeraOne Prodiamine 65 WDG will not control weeds that have already emerged.

The amount of PrimeraOne Prodiamine 65 WDG to apply is based upon:

1. the length of weed control desired (the higher the application rate, the longer the control) (see Figure 1);
2. the turf species; and
3. the maximum amount which can be applied to the turf species per calendar year (see Table 1).

Figure 1: Length of Crabgrass Control\*



\*Length of control varies by region. This table is an average for planning purposes.

### Annual Use Rates – Turfgrass

PrimeraOne Prodiamine 65 WDG can be applied to the turfgrass species listed in the following table. **DO NOT** apply more than the highest rate listed for each species in a calendar year.

**TABLE 1: MAXIMUM APPLICATION RATE PRIMERAONE PRODIAMINE 65 WDG**  
**Per Calendar Year by Turfgrass Species<sup>1</sup>**

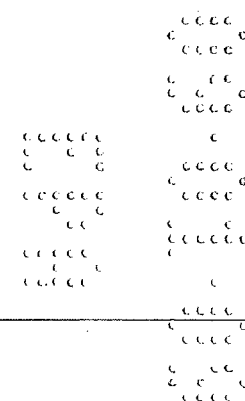
TURF SPECIES	LBS. OF PRODUCT / ACRE	OZ. OF PRODUCT / 1,000 SQ. FT.
Bermudagrass <sup>2</sup> Bahia grass Centipedegrass Kikuyugrass Seashore Paspalum St. Augustinegrass <sup>3</sup> Tall Fescue (including turf-type) Zoysiagrass	1.0 – 2.30 <sup>1</sup>	0.36 – 0.83
Buffalograss Kentucky Bluegrass Perennial Ryegrass	0.5 – 1.50 <sup>1</sup>	0.185 – 0.55
Fine Fescue	0.5 – 1.15 <sup>1</sup>	0.185 – 0.42
Creeping Bentgrass (0.5 inches or more in height) <sup>4</sup>	0.5 – 1.00 <sup>1</sup>	0.185 – 0.37

<sup>1</sup> PrimeraOne Prodiamine 65 WDG may be applied more than once a year as long as the total amount applied is not greater than the maximum application rate per calendar year for the turf species. All applications must be made before weed seeds germinate.

<sup>2</sup> May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 0.80 lb./A (0.30 oz./1,000 sq. ft.). Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded.

<sup>3</sup> Use an initial rate of 0.75 – 1.5 lbs./acre (0.28 – 0.55 oz./1000 sq. ft.) per application.

<sup>4</sup> To avoid grass injury, do not apply PrimeraOne Prodiamine 65 WDG to creeping bentgrass mowed at less than 0.5 inch in height.



# **Weeds Controlled (Turf, Ornamentals)**

When used as directed in this label, PRIMERAONE PRODIAMINE 65 WDG will control the following weeds:

Barnyardgrass	Henbit <sup>2</sup>	Purslane, Common
Bluegrass, Annual ( <i>Poa annua</i> ) <sup>1</sup>	Itchgrass	Pusley, Florida
Carpetweed	Johnsongrass (from seed)	Rescuegrass <sup>4</sup>
Chickweed, Common <sup>2</sup>	Junglerice	Shepherdspurse <sup>2</sup>
Chickweed, Mouseear (from seed)	Knotweed <sup>2</sup>	Signalgrass, Broadleaf
Crabgrass (Large, Smooth) <sup>3</sup>	Kochia	• Speedwell, Persian
Crowfootgrass	Lambsquarters, Common	• Sprangletop
Cupgrass, Woolly	Lovegrass	• Spurge, Prostrate
Foxtails, Annual	Panicum (Texas, Fall, Browntop)	• Witchgrass
Goosegrass <sup>5</sup>	Pigweed	• Woodsorrel, Yellow (from seed)

<sup>1</sup> In areas where *Poa annua* is a winter annual, apply PrimeraOne Prodiamine 65 WDG (see Table 1) 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."

<sup>2</sup> To control this weed, apply PrimeraOne Prodiamine 65 WDG in late summer, fall, or winter before weed seeds germinate.

<sup>3</sup> Fall Applications for Spring Crabgrass Control in Cool-Season Grasses: In those areas where the ground freezes in the winter, PrimeraOne Prodiamine 65 WDG can be applied in the fall at rates of 1.0 – 1.15 lbs./acre after the soil temperature falls below 50°F but before the ground freezes. This application will control crabgrass the following spring.

<sup>4</sup> Suppression only.

<sup>5</sup> In many areas, a single application of 1.0 – 2.3 lbs./acre of PrimeraOne Prodiamine 65 WDG will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, the most effective control may be maintained by making a "split application" (i.e., two applications) that does not exceed the maximum application rate per calendar year for the turfgrass species.

# **WHEN TO APPLY PRIMERAONE PRODIAMINE 65 WDG AFTER OVERSEEDING TURF**

Injury to desirable seedlings is likely if PrimeraOne Prodiamine 65 WDG is applied before the secondary roots of seedlings are in the second inch of soil (not thatch plus 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 PrimeraOne Prodiamine 65 WDG.

**When to Overseed After Application (All States)\*** – PrimeraOne Prodiamine 65 WDG will inhibit the development of turfgrass species overseeded too soon after application. Follow rates and intervals in the table below for best overseeding / reseeding results.

\* Note: See exceptions for "*Poa annua* control in Established Bermudagrass Overseeded with Perennial Ryegrass" below.

AMOUNT OF PRIMERAONE PRODIAMINE 65 WDG	INTERVAL (MONTHS) BEFORE OVERSEEDING*		
	North	Transition	South
Lbs. of Product / Acre			
0.75	4	4	4
1.00	5	4	4
1.15	6	5	5
1.25	–	6	6
1.50	–	7	7
1.75	–	–	9
2.00	–	–	10
2.30	–	–	12

## ***Poa annua* control in Established Bermudagrass Overseeded with Perennial Ryegrass (Arizona, California, Nevada, and Texas only)**

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

## **HOW MUCH AND WHEN TO APPLY**

AMOUNT TO APPLY	WHEN TO APPLY	EXPECTED CONTROL	USE PRECAUTIONS
0.58 – 1.0 lb./acre	6 to 8 weeks before ryegrass overseeding  second application: 4 to 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 enhance control	Some seedling mortality and temporary reduction in root growth of new seedlings may occur. To reduce the potential for seedling mortality, maintain a moist seedbed with light, frequent irrigation. Make no more than 2 applications per year for this use, and do not exceed a total of 1.3 lbs./acre per year. <b>DO NOT</b> make a second application if any injury to the ryegrass is observed after the first application. <b>DO NOT</b> make a second application unless the product was first applied before overseeding.

***Poa annua* control in Perennial Ryegrass Overseedings (Alabama, Louisiana, Georgia, Mississippi, North Carolina, South Carolina, and Tennessee Only)**

Use this product on golf courses (excluding golf course putting greens) when overseeding with perennial ryegrass only (minimum seeding rate of 350 lbs./A).

**HOW MUCH AND WHEN TO APPLY**

AMOUNT TO APPLY	WHEN TO APPLY	EXPECTED CONTROL	USE PRECAUTIONS
0.58 – 1.0 lb./acre	8 to 10 weeks before ryegrass overseeding	70% or greater	Some seedling mortality and temporary reduction in root growth of new seedlings may occur. To reduce the potential for seedling mortality, maintain a moist seedbed with light, frequent irrigation. To maximize seedling establishment, use lower rate and/or the maximum time interval before overseeding. To maximize <i>Poa annua</i> control, use higher rate and shorter time interval before overseeding.

**CONTAINER, FIELD-GROWN, AND LANDSCAPE ORNAMENTALS (INCLUDING CHRISTMAS TREE FARMS)**

**Application Timing and Information**

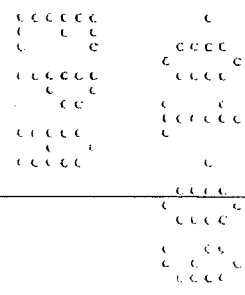
PrimeraOne Prodiamine 65 WDG:

1. Will not control emerged weeds.
2. May be applied to newly-transplanted and established ornamentals as 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:

1. In the spring when buds are rapidly growing and expanding, over-the-top application of PrimeraOne Prodiamine 65 WDG may temporarily injure new growth of desirable plants. To reduce the possibility of injury at this time, wait to apply PrimeraOne Prodiamine 65 WDG over the top of newly emerged vegetation until it has hardened off unless experience indicates that the ornamental plant will not be injured by the over-the-top application.
2. After application (immediately for deciduous plants) apply overhead irrigation to wash PrimeraOne Prodiamine 65 WDG from plant surfaces onto soil (watering plants before application may improve the washing process).



### Application Sites and Instructions

Site	Application Instructions
Newly-Transplanted Container or Field Nursery Stock	Delay application until soil has settled around transplants. Water transplants thoroughly before application. Apply after cuttings form roots and are established. To avoid inhibition of the tissue union, apply before budding/grafting or after buds/grafts have taken.
Established Container, Field Nursery Stock or Landscape Plants	Apply at any time as a broadcast, over-the-top, or directed spray.
Landscape (or Ornamental) Plantings	Apply as a broadcast, over-the-top, or directed spray. Delay application to newly-transplanted ornamentals until soil has settled around transplants.
Bare Ground Application for Container Placement	Apply to soil (including mulch, gravel, wood chips, or other permeable base) upon which containerized ornamentals are placed. After PrimeraOne Prodiamine 65 WDG is applied, perform shallow cultivation or hand weeding only to avoid disturbing the herbicide barrier.
In Shadehouses and Uncovered Polyhouses	After PrimeraOne Prodiamine 65 WDG is applied, uncovered polyhouses must remain open for at least 7 days, and ornamentals must receive 2 irrigations totaling at least 1/2 inch of water.
Ornamental Bulbs and Perennial Wildflower Plantings	PrimeraOne Prodiamine 65 WDG may be applied to bulbs or perennial wildflower species listed in the section "Tolerant Ornamental Species." Apply before or after bulbs emerge but before bulbs bloom and weeds emerge. In wildflowers, a postemergence herbicide labeled for wildflowers may be needed to control weeds that have already emerged.

### HOW MUCH AND WHEN TO APPLY – (Container, Field-Grown and Landscape Ornamentals)

Amount to Apply (Broadcast)*	When to Apply	Comments/Instructions
1.0 – 2.3 lbs./acre or 0.37 – 0.83 oz./1,000 sq. ft.	In the fall or spring before weeds germinate or after weeds are removed.	Use the higher rate for longer control. PrimeraOne Prodiamine 65 WDG may be applied more than once per year as long as the total amount of product applied does not exceed 2.3 lbs./acre per year.

\* Note: For band application calculate amount per acre:

$\frac{\text{Band width in inches} \times \text{broadcast rate}}{\text{Row width in inches}} = \text{amount to apply per acre of field}$

**EQUIVALENT MEASUREMENTS FOR PRIMERAONE PRODIAMINE 65 WDG**

lbs./acre	oz./1,000 sq. ft.	Approximate Equivalent – Tablespoons/1,000 sq. ft.
1.0	0.37	1
1.5	0.55	1.5
2.0	0.74	2
2.3	0.83	2.25

**Tank Mixtures For Use on Container, Field-Grown, and Landscape Ornamentals**

PrimeraOne Prodiamine 65 WDG 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 PrimeraOne Prodiamine 65 WDG are for use only in states where the tank mix partner(s), application site, and intended use pattern are registered.

Follow the label(s) of the tank mix partner(s) for application rates, timing, weeds controlled, tolerant ornamentals, and specific use precautions and/or restrictions. Before mixing pesticides in the spray tank, test compatibility by mixing the products in a small container first. See the **Compatibility Test** section of this label.

**Tank Mix Partners for PRIMERAONE PRODIAMINE 65 WDG on Ornamentals**

Product	Precautions/Instructions
Goal® or Galigan® (use on conifers only)	Mix with PrimeraOne Prodiamine 65 WDG for postemergence control of certain broadleaf weeds including malva and filaree.
Gallery®, Princep®, Pennant®	See product labels for weed spectrum and tolerant ornamentals.

(continued)

**Tank Mix Partners for PRIMERAONE PRODIAMINE 65 WDG on Ornamentals**

(continued)

Product	Precautions/Instructions
Touchdown® Pro (or other glyphosate-based products), and Finale®	These nonselective tank mix herbicides control most emerged annual broadleaves and grasses. Take extreme care to prevent tank mixtures with these 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 contacting 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 Ornamental Species – Container, Field-Grown, and Landscape Ornamentals**

PrimeraOne Prodiamine 65 WDG will not harm most trees, shrubs, vines, and flowers. The species listed below in Table 2 are tolerant to PrimeraOne Prodiamine 65 WDG. PrimeraOne Prodiamine 65 WDG is approved for application, except in CA, to the species in Table 3. PrimeraOne Prodiamine 65 WDG may be applied over the top of the listed species.

When plants are under stress (such as heat, drought, or frost damage), some cultivars of listed plants may be sensitive to PrimeraOne Prodiamine 65 WDG.

**TABLE 2 – Tolerant Ornamental Species – Container, Field-Grown, and Landscape (All States)**

Common Name	Scientific Name	Common Name	Scientific Name
Fir species**	<i>Abies</i> spp.	Greenstem Forsythia	<i>Forsythia viridissima</i>
(Balsam, Fraser, Noble, etc.)		Gardenia, Cape –	<i>Gardenia jasminoides</i>
Japanese Maple	<i>Acer palmatum</i>	Jasmine	
Norway Maple***	<i>Acer platanoides</i>	Gladiolus species**	<i>Gladiolus</i> spp.
Kiwi*	<i>Actinidia chinensis</i>	English Ivy	<i>Hedera helix</i>
Lily-of-the-Nile	<i>Agapanthus africanus</i>	Rose of Sharon**	<i>Hibiscus</i>
(African Lily)		Chinese Hibiscus**	<i>Hibiscus Rosa-sinensis</i>
Vine Hill Manzanita	<i>Arctostaphylos densiflora</i>	Chinese Holly**	<i>Ilex cornuta</i>
Cape Weed	<i>Arctotheca calendula</i>	Japanese Holly	<i>Ilex crenata</i>
Japanese Aucuba	<i>Aucuba japonica</i>	American Holly	<i>Ilex opaca</i>
Barberry	<i>Berberis gladwynensis</i>	Holly	<i>Ilex pernyi</i>
Wintergreen Barberry	<i>Berberis julianae</i>	Yaupon Holly	<i>Ilex vomitoria</i>
Mentor Barberry	<i>Berberis mentorensis</i>	Iris species**	<i>Iris</i> spp.
Japanese Barberry	<i>Berberis thunbergii</i>	Winter Jasmine	<i>Jasminium nudiflorum</i>
Warty Barberry	<i>Berberis verruculosa</i>	Chinese Juniper	<i>Juniperus chinensis</i>
Japanese Boxwood	<i>Buxus microphylla</i>	Shore Juniper	<i>Juniperus conferta</i>
Weeping Bottlebrush	<i>Callistemon viminalis</i>	Creeping Juniper	<i>Juniperus horizontalis</i>
Scotch Heather	<i>Calluna vulgaris</i>	Walnut*	<i>Juglans</i> spp.
Hottentot Fig (Ice Plant)	<i>Carpobrotus edulis</i>	Shrimp Plant	<i>Justicia brandegeana</i>
Feathery Cassia	<i>Cassia artemisoides</i>	Crape Myrtle	<i>Lagerstromia indica</i>
Wild Lilac	<i>Ceanothus rigidus</i>	Amur Privet	<i>Ligustrum amurense</i>
False Cypress	<i>Chamaecyparis pisifera</i>	Japanese Privet	<i>Ligustrum japonicum</i>
Cleyera	<i>Cleyera japonica</i>	Glossy Privet (wax-leaf)	<i>Ligustrum lucidum</i>
Citrus species*	<i>Citrus</i> spp.*	Big Blue Lillyturf	<i>Liriope muscari</i>
Flowering Dogwood	<i>Cornus florida</i>	Japanese Honeysuckle	<i>Lonicera japonica</i>
American Dogwood	<i>Cornus stolonifera</i>	Tatarian Honeysuckle	<i>Lonicera tatarica</i>
Pampas Grass	<i>Cortaderia selloana</i>	Magnolia species**	<i>Magnolia</i> spp.
Cranberry Cotoneaster	<i>Cotoneaster apiculatus</i>	Ice Plant	<i>Maleophora luteola</i>
Cotoneaster	<i>Cotoneaster buxifolius</i>	Crabapple*	<i>Malus</i> spp.
Bearberry Cotoneaster	<i>Cotoneaster dammeri</i>	Heavenly Bamboo	<i>Nandina domestica</i>
Rockspray	<i>Cotoneaster microphyllus</i>	Narcissus species**	<i>Narcissus</i> spp.
Cotoneaster		Oleander	<i>Nerium</i> spp.
Hawthorne	<i>Crataegus</i> spp.	Olive*	<i>Olea europaea</i>
Italian Cypress	<i>Cupressus sempervirens</i>	Mondo Grass**	<i>Ophiopogon japonicus</i>
White Trailing Ice Plant	<i>Delosperma alba</i>	Trailing African	<i>Osteospermum fruticosum</i>
Hop Bush	<i>Dodonea viscosa</i>	Daisy	
Silverberry	<i>Elaeagnus pungens</i>	Sourwood	<i>Oxydendrum arboreum</i>
Wintercreeper	<i>Euonymus fortunei</i>	Avocado*	<i>Persea americana</i>
Japanese Spindle Tree	<i>Euonymus japonica</i>	Frasier's Photinia (Redtip)	<i>Photinia fraseri</i>
(Evergreen Euonymus)		Spruce species**	<i>Picea</i> spp.
Spreading Euonymus	<i>Euonymus kiautschovica</i>	(Colorado Blue, Norway, etc.)	
Japanese Aralia	<i>Fatsia japonica</i>	Lily-of-the-Valley Shrub	<i>Pieris japonica</i>
Border Forsythia	<i>Forsythia intermedia</i>	Calabrian Pine	<i>Pinus brutia</i>



Common Name	Scientific Name	Common Name	Scientific Name
Canary Island Pine	<i>Pinus canariensis</i>	Lady Bank's Rose	<i>Rosa banksiae</i>
Slash Pine	<i>Pinus elliottii</i>	Rosemary*	<i>Rosmarinus officinalis</i>
Aleppo Pine	<i>Pinus halepensis</i>	Leatherleaf Fern	<i>Rumohra adiantiformis</i>
Austrian Black Pine	<i>Pinus nigra</i>		<i>Santolina virens</i>
Longleaf Pine	<i>Pinus palustris</i>	Stonecrop	<i>Sedum album</i>
Monterey Pine	<i>Pinus radiata</i>	Japanese Boxcherry	<i>Syzygium paniculatum</i>
Eastern White Pine	<i>Pinus strobus</i>	Japanese Yew	<i>Taxus cuspidata</i>
Scotch Pine	<i>Pinus sylvestris</i>	Yew	<i>Taxus media</i>
Loblolly Pine	<i>Pinus taeda</i>	American Arborvitae	<i>Thuja occidentalis</i>
Japanese Black Pine	<i>Pinus thunbergiana</i>	Star Jasmine	<i>Trachelospermum asiaticum</i>
Virginia Pine	<i>Pinus virginiana</i>	Canada Hemlock	<i>Tsuga canadensis</i>
Pistachio*	<i>Pistacia</i> spp.	Tulip species	<i>Tulipa</i> spp.
Queensland Pittosporum	<i>Pittosporum rhombifolium</i>	Japanese Viburnum	<i>Viburnum japonicum</i>
Japanese Pittosporum	<i>Pittosporum tobira</i>	Sweet Viburnum	<i>Viburnum odoratissimum</i>
Japanese Yew	<i>Podocarpus macrophyllus</i>	Japanese Snowball	<i>Viburnum plicatum</i>
English Laurel	<i>Prunus laurocerasus</i>	Canary Island Viburnum	<i>Viburnum rigidum</i>
Almond, Apricot, Nectarine, Peach, Plum, and Prune*	<i>Prunus</i> spp.	Laurustinus	<i>Viburnum tinus</i>
Douglas Fir***	<i>Pseudotsuga menziesii</i>	Cranberry Bush	<i>Viburnum trilobium</i>
Firethorn, Scarlet	<i>Pyracantha coccinea</i>	Leatherleaf Viburnum	<i>Viburnum wrightii</i>
Firethorn, Chinese	<i>Pyracantha fortuneana</i>	Vinca	<i>Vinca major</i>
Firethorn, Formosa	<i>Pyracantha koidzumii</i>	Dwarf Periwinkle	<i>Vinca minor</i>
Bradford Pear spp.	<i>Pyrus</i> spp.	Grape*	<i>Vitis</i> spp.
Oak species	<i>Quercus rubra</i>	Old Fashioned Weigela	<i>Weigela florida</i>
Indian Hawthorne	<i>Raphiolepis indica</i>	Spanish Bayonet	<i>Yucca aloifolia</i>
'Coral Bells'	<i>Rhododendron</i>	Yucca, Adam's Needle	<i>Yucca filamentosa</i>
'Formosa'	(including		
'Hino-crimson'	<i>Azalea</i> )		
'PJM'			
'Roseum Elegans'			

**TABLE 3 – Tolerant Ornamental Species**  
**Container, Field-Grown, and Landscape – (All States Except CA)**

Common Name	Scientific Name	Common Name	Scientific Name
Abelia: Sherwood	<i>Abelia grandiflora</i>	Wormwood; Silver	<i>Artemisia</i> spp.
Yarrow: King Edward	<i>Achillea</i> spp.	Mound, Castle	
	<i>Agapanthus orientalis</i>	Aster: Bonny Blue,	<i>Aster</i> spp. c
Five-Leaf or Chocolate Vine	<i>Akebia quintata</i>	Purple Dome	<i>Aster X frikartii</i> c
Lady's Leek, Nodding Onion	<i>Allium cernuum</i>	Lady Fern; Fern Lady	<i>Athyrium filix-femina</i> c
Japanese Anemone	<i>Anemone hybrida</i>	Fibrous Begonia:	<i>Begonia</i> spp. c
Aquilegia: Red and Gold	<i>Aquilegia</i> spp.	Hardy Grandis	<i>Ergenia cordifolia</i> c

Common Name	Scientific Name	Common Name	Scientific Name
Snowbank	<i>Boltonia asteroides</i>	Crape Myrtle;	<i>Lagerstromia indica X fauriei</i>
Bougainvillea	<i>Bougainvillea</i> spp.	Tuscarora	
Butterfly-Bush (Dwarf Blue);	<i>Buddleia davidii</i>	Weeping Lantana	<i>Lantana montevidensis</i>
Royal Red		Lavender; Munstead	<i>Lavender</i> spp.
Crimson Bottlebrush	<i>Callistemon citrinus</i>	Edelweiss	<i>Leontopodium alpinum</i>
Tussock Bellflower;	<i>Campanula carpatica</i>	Chinese Privet; Variegata	<i>Ligustrum sinense</i>
(White Clips)		Lily; Jazz	<i>Lilium</i> spp.
Trumpet Creeper,	<i>Campis X tagliabuana</i>	Liriope,	<i>Liriope muscari</i> var. <i>variegata</i>
Trumpet Flower,	<i>Ceratostigma</i>	Variegated	
Madame Galen	<i>plumbaginoides</i>	Liriope, Creeping	<i>Liriope spicata</i>
	<i>Chrysanthemum nipponicum</i>	Cardinal Flower, Indian Pink	<i>Lobelia cardinalis</i>
Coreopsis (Calliopsis);	<i>Coreopsis</i> spp.	Burgundy	<i>Loropetalum chinense</i>
Early Sunrise,		Loosestrife; Modern Pink	<i>Lythrum</i> spp.
Moonbeam		Yaku Jima**, Silberfeder**	<i>Miscanthus sinensis</i>
Lucifer	<i>Crocasmia</i> spp.	Evening Primrose	<i>Oenothera missourensis</i>
Cooperi Pink	<i>D delosperma</i> spp.	Osmanthus	<i>Osmanthus</i>
Larkspur; Blue Elf	<i>Delphinium</i> spp.	(False Holly): Gulf Tide	<i>heterophyllum</i>
Dianthus, Maiden	<i>Dianthus deltoides</i>	Tree Peony	<i>Paeonia suffruticosa</i>
Pinks 'Zing'		Fountain Grass (Dwarf)**	<i>Pennisetum setaceum</i>
Cheddar Pink	<i>Dianthus gratianopolitanus</i>		<i>Perovskia atriplicifolia</i>
Coneflower, Purple;	<i>Echinacea purpurea</i>	Dragonhead, False; Vivid	<i>Physostegia virginiana</i>
Magnus		Oak, Shumard's Red	<i>Quercus shumardii</i>
Weeping Forsythia	<i>Forsythia suspensa</i>	Yedda Hawthorne	<i>Raphiolepis umbellata</i>
Gaillardia, Blanket	<i>Gaillardia</i> spp.	'Delaware Valley White'	<i>Rhododendron</i>
Flower: 'Goblin'	<i>Gaura</i> spp.	'Flame Creeper'	(including
Gentian	<i>Gentiana daturica</i>	'Girard Crimson'	<i>Azalea</i> )
Cranesbill	<i>Geranium cinereum</i>	'George L. Tabor'	
Baby's Breath	<i>Gypsophila repens</i>	'Wakeiebisu'	
Sunrose	<i>Helianthemum</i> spp.	'White Gumpo'	
Daylily: Aztec Gold,	<i>Hemerocallis</i> spp.	Black-Eyed Susan: Goldstrum	<i>Rudbeckia</i> spp.
Stella De Oro, Tender Love		Saxifrage; Purple Dome	<i>Saxifraga</i> spp.
Coral Bell; Bridget Bloom	<i>Heucherella</i> spp.	Pincushion Flower	<i>Scabiosa</i> spp.
Mallow; Disco Belle White	<i>Hibiscus</i> spp.	Stonecrop; Lidakense	<i>Sedum cauticola</i>
Hosta, Plantain Lily	<i>Hosta plantaginea</i>	Stonecrop	<i>Sedum dasyphyllum</i>
(Fragrant)		Stonecrop; Dragon's Blood	<i>Sedum spurium</i>
Hosta, 'Searsucker'	<i>Hosta sieboldiana</i>	Spirea: Anthony Waterer	<i>Spiraea bumalda</i>
	<i>Houttuynia cordata</i> var. <i>variegata</i>	Australian Brushcherry	<i>Syzygium paniculatum</i>
Bigleaf Hydrangea	<i>Hydrangea macrophylla</i>	Germander	<i>Teucrium</i> spp.
	<i>Inula ensifolia</i>	Meadow Rue	<i>Thalictrum dipterocarpum</i>
Sword-Leaved Iris; Jodlesong	<i>Iris ensata</i>	Veronica, Speedwell;	<i>Veronica</i> spp.
Siberian Iris; Cabernet	<i>Iris siberica</i>	Sunny Border	
Parsoni	<i>Juniperus davurica</i>	Arrowood Viburnum	<i>Viburnum suspensum</i>

\*\* Not for use on container-grown plants.

### STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original container away from fertilizer, feed, or food stuffs.

**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 (flexible-bag-all weights):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.

**Nonrefillable Container (rigid-fifty lbs. 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. 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.

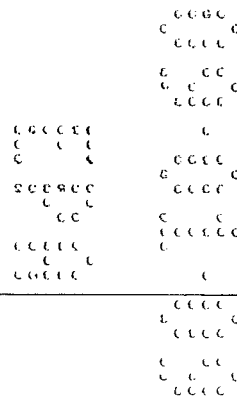
**Nonrefillable Container (rigid-greater than fifty lbs.):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

(continued)

### STORAGE AND DISPOSAL

(continued)

**Refillable Container:** Refillable container. Refill this container with prodiamine only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.



**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.

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**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.

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