

## U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) Ariel Rios Building 1200 Pennsylvania Ave., NW Washington, D.C. 20460 EPA Registration. Number:

81927-36

Date of Issuance:

APR 30 2009

NOTICE OF PESTICIDE:

\_x\_ Registration
\_\_ Reregistration
(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:

Alligare Prodiamine 65 WG Herbicide

Name and Address of Registrant (include ZIP Code):

Alligare, Inc.

c/o Pyxis Regulatory Consulting, Inc.

4110 136<sup>th</sup> St., N.W.

Gig Harbor, WA 98332

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3 (c) (7) (A) provided that you:

- 1. Submit/cite all data required for the registration/ reregistration of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
- 2. Make the following label change: Change the EPA Registration Number to 81927-36.
- 3. Submit one (1) copy of the revised final printed label before the product is released for shipment.

Signature of Approving Official:

Joanne I. Miller, Product Manager 23

Herbicide Branch

Registration Division (7505P)

Date:

APR 3 0 2009

EPA Form 8570-6

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Sincerely,

Joanne I. Miller Product Manager (23) Herbicide Branch Registration Division (7505P)

Enclosure

# ACCEPTED with COMMENTS In EPA Letter Dated:

### Alligare Prodiamine 65 WG Herbicide

Under the Federal Instalticle.
Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

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

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ACTIVE INGREDIENT:	% BY WT.
Prodiamine (CAS No. 29091-21-2)	65.0%
OTHER INGREDIENTS:	<u>35.0%</u>
TOTAL ·	100.0%

# KEEP OUT OF REACH OF CHILDREN CAUTION

	<u> </u>
	FIRST AID
If in eyes:	<ul> <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> <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> <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> <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 the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
	HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

# 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.

#### **NET WEIGHT:**

Manufactured for: Alligare, LLC 13 N. 8<sup>th</sup> Street Opelika, AL 36801

EPA Reg. No. 81927-EPA Est. No.

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#### 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, or 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, or 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, or 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 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. Cnly 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

Alligare Prodiamine 65 WG Herbicide 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 ALLIGARE PRODIAMINE 65 WG HERBICIDE WORKS

Alligare Prodiamine 65 WG Herbicide controls susceptible weeds by preventing growth and development of newly germinated weed seeds. Weed control is most effective when Alligare Prodiamine 65 WG Herbicide is activated by at least 0.5 inch of rainfall or irrigation or shallow incorporation (1 to 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 Alligare Prodiamine 65 WG Herbicide.
- Do not apply Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide 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, Alligare, LLC suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

#### MIXING AND APPLICATION PROCEDURES

#### MIXING (For loose pack)

Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide 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 ALLIGARE PRODIAMINE 65 WG HERBICIDE

Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide 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
Alligare Prodiamine 65 WG Herbicide	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 Alligare Prodiamine 65 WG Herbicide 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.

- 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 aditation 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 Alligare Prodiamine 65 WG Herbicide 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 handheid 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**

Alligare Prodiamine 65 WG Herbicide is a preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turfgrasses including:

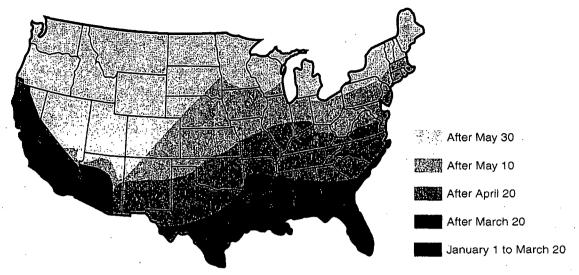
- · golf courses excluding putting greens
- lawns
- sod nurseries

The maximum amount of Alligare Prodiamine 65 WG Herbicide that may be applied per year is given for each turfgrass section of this label.

For optimum weed control, Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide 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.
- To avoid turfgrass injury, do not apply Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide to golf course putting greens.
- 6. If the depth of the creeping bentgrass root system becomes shallow and root tips contact prodiamine-treated solls is wroot formation may be inhibited. Mowing height can affect the depth of a plant's root system. To avoid this, do not apply Alligare Prodiamine 65 WG Herbicide to creeping bentgrass less than 0.5 inch in height.

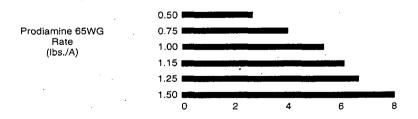
#### **Application Timing and Rate-Turfgrass**

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

The amount of Alligare Prodiamine 65 WG Herbicide 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**

Alligare Prodiamine 65 WG Herbicide 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.

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#### **TABLE 1: MAXIMUM APPLICATION RATE**

Alligare Prodiamine 65 WG Herbicide Per Calendar Year by Turfgrass Species<sup>1</sup>

Alligare Prodiamine 65 WG He	erbicide Per Calendar Year b	y rurigrass species
TURF SPECIES	LBS. OF PRODUCT/ACRE	OZ. OF PRODUCT/1,000 SQ. FT.
Bermudagrass <sup>2</sup> Bahiagrass Centipedegrass Kikuyugrass Seashore Paspalum St. Augustinegrass <sup>3</sup> Tall Fescue (including turf-type) Zoysiagrass	1.0 - 2.30'	0.36 - 0.83
Buffalograss Kentucky Bluegrass Perennial Ryegrass	0.5 - 1.501	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	0.185 - 0.37

<sup>&</sup>lt;sup>1</sup> Alligare Prodiamine 65 WG Herbicide 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.

#### Weeds Controlled (Turf, Ornamentals)

When used as directed in this label, Alligare Prodiamine 65 WG Herbicide will control the following weeds:

•	Barnyardgrass	• 1	Henbit <sup>2</sup>	•	Purslane, Common
•.	Bluegrass, Annual (Poa annua)1	•	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)3	•	Kochia	. •	Speedwell, Persian
•	Crowfootgrass	• .	Lambsquarters, Common	•	Sprangletop (CC)
•	Cupgrass, Woolly,	•	Lovegrass	•	Spurge, Prostrate
•	Foxtails, Annual	•	Panicum (Texas, Fall, Browntop)	•	Witchgrass course (CCCC)
•	Goosegrass⁵	•	Pigweed	•	Woodsorrel, Yellow (from seed)

<sup>&</sup>lt;sup>1</sup> In areas where *Poa annua* is a winter annual, apply Alligare Prodiamine 65 WG Herbicide (see Tablé 1) in August of 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 Bernadagrass Overseeded with Perennial Ryegrass".

#### WHEN TO APPLY ALLIGARE PRODIAMINE 65 WG HERBICIDE AFTER OVERSEEDING TURF

Injury to desirable seedlings is likely if Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide.

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

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

AMOUNT OF ALLIGARE PRODIAMINE 65 WG HERBICIDE	INTERVAL (MONTHS) BEFORE OVERSEEDING*		
Lbs. of Product/Acre	North	Transition	South
0.75	4	4	4

<sup>&</sup>lt;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>&</sup>lt;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>&</sup>lt;sup>4</sup> To avoid grass injury, do not apply Alligare Prodiamine 65 WG Herbicide to creeping bentgrass mowed at less than 0.5 inch in height.

<sup>&</sup>lt;sup>2</sup> To control this weed, apply Alligare Prodiamine 65 WG Herbicide 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, Alligare Prodiamine 65 WG Herbicide 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.

In many areas, a single application of 1.0-2.3 lbs./acre of Alligare Prodiamine 65 WG Herbicide 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.

AMOUNT OF ALLIGARE PRODIAMINE 65 WG HERBICIDE	INTERVAL (MONTHS) BEFORE OVERSEEDING*		EEDING*
Lbs. of Product/Acre	North	Transition	South
1.00	5	4	4
1.15	6	5	5
1.25	-	6	6
1.50	•	7	7
1.75	-	-	9
2.00	-	<u>-</u>	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	application for     70% or greater     control of <i>Poa</i> annua  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 Poa annua control, use higher rate and shorter time interval before overseeding.

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

#### **Application Timing and Information**

Alligare Prodiamine 65 WG Herbicide:

- 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 Alligare Prodiamine 65 We Herbicide may temporarily injure new growth of desirable plants. To reduce the possibility of injury at this time, wait to apply Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide is applied, perform shallow cultivation or hand weeding only, to avoid disturbing the herbicide barrier.		
In Shadehouses and Uncovered Polyhouses	After Alligare Prodiamine 65 WG Herbicide is applied, uncovered polyhouses must remain open for at least 7 days and ornamentals must receive 2 irrigations totaling at least ½ inch of water.		
Ornamental Bulbs and Perennial Wildflower Plantings	Alligare Prodiamine 65 WG Herbicide 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	In the fall or spring before weeds germinate or after weeds are removed	Use the higher rate for longer control Alligare Prodiamine 65 WG Herbicide may be applied more than
0.37 - 0.83 oz./1,000 sq. ft.		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:

Band width in inches

Row width in inches

broadcast rate =

amount to apply per acre of field

**EQUIVALENT MEASUREMENTS For Alligare Prodiamine 65 WG Herbicide** 

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

Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide on Ornamentals

PRODUCT	PRECAUTIONS/INSTRUCTIONS ' ' ()
Goal <sup>®</sup> or Galigan <sup>®</sup> (use on conifers only)	Mix with Alligare Prodiamine 65 WG Herbicide for postemergence centrel 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), Reward and Finale	These nonselective tank mix herbicides control most emerged arimual 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

Alligare Prodiamine 65 WG Herbicide will not harm most trees, shrubs, vines, and flowers. The species listed below in Table 2 are tolerant to Alligare Prodiamine 65 WG Herbicide. Alligare Prodiamine 65 WG Herbicide is approved for application, except in CA,

to the species in Table 3. Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide.

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

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

COMMON NAME	SCIENTIFIC NAME	
Greenstem Forsythia	Forsythia viridissima	
Gardenia, Cape-Jasmine	Gardenia jasminoides	
Gladiolus species**	Gladiolus spp.	
English Ivy	Hedera helix	
Rose of Sharon**	Hibiscus	
Chinese Hibiscus**	Hibiscus Rosa-sinensis	
Chinese Holly**	llex comuta	
Japanese Holly	llex crenata	
American Holly	llex opaca	
Holly	llex pemyi	
Yaupon Holly	llex vomitoria	
Iris species**	Iris spp.	
Winter Jasmine	Jasminium nudiflorum	
Chinese Juniper	Juniperus chinensis	
Shore Juniper	Juniperus conferta	
Creeping Juniper	Juniperus horizontalis	
Walnut*	Juglans spp.	
Shrimp Plant	Justicia brandegeana	
Crape Myrtle	Lagerstromia indica	
Amur Privet	Ligustrum amurense	
Japanese Privet	Ligustrum japonicum	
Glossy Privet (wax-leaf)	Ligustrum lucidum	
Big Blue Lillyturf	Liriope muscari	
Japanese Honeysuckle	Lonicera japonica	
Tatarian Honeysuckle	Lonicera tatarica	
Magnolia species**	Magnolia spp.	
Ice Plant	Maleophora luteola	
Crabapple*	Malus spp.	
Heavenly Bamboo	Nandina domestica	
Narcissus species**	Narcissus spp.	
Oleander	Nenum spp.	
Olive*	Olea europaéa	
Mondo Grass**	Ophiopogon japonicus	
Trailing African Daisy	Osteospermum fruticosum	
Sourwood	Oxydendrum arboreum ',, '	
Avocado*	Persea americana	
Frasier's Photinia (Redtip)	Photinia fraseri	
Spruce species** (Colorado Blue, Norway, etc.)	Picea spp.	
Lily-of-the Valley Shrub	Pieris japonica	
Calabrian Pine	Pinus brutia	
Canary Island Pine	Pinus canariensis	
Slash Pine	Pinus elliottii	
Aleppo Pine	Pinus halepensis	

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

COMMON NAME	SCIENTIFIC NAME	
Cranberry Bush	Vibumum trilobium	
Leatherleaf Viburnum	Vibumum wrightii	
Vinca	Vinca major	
Dwarf Periwinkle	Vinca minor	
Grape*	Vitis spp.	
Old Fashioned Weigela	Weigela florida	
Spanish Bayonet	Yucca aloifolia	
Yucca, Adam's Needle	Yucca filamentosa	

<sup>\*</sup> 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)

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

COMMON NAME	SCIENTIFIC NAME	
	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	Linope spicata	
· Cardinal Flower, Indian Pink	Lobelia cardinalis	
Burgundy	L'oropetalum chinense	
Loosestrife; Modern Pink	Lythrum spp.	
Yaku Jima**, Silberfeder**	Miscanthus sinensis	
Evening Primrose	Oenothera missourensis	
Osmanthus (False Holly): Gulf Tide	Osmanthus heterophyllus	
Tree Peony	Paeonia suffruticosa	
Fountain Grass (Dwarf)**	Pennisetum setaceum	
	Perovskia atriplicifolia	
Dragonhead, False; Vivid	Physostegia virginiana	
Oak, Shumard's Red	Quercus Shumardii	
Yedda Hawthorne	Raphiolepsis umbellata	
'Delaware Valley White'	Rhododendron (including Azalea)	
'Flame Creeper'	, ,,, c c	
'Girard Crimson'	· · · · · · · · · · · · · · · · · · ·	
'George L. Tabor'		
'Wakeiebisu'		
'White Gumpo'		
Black-Eyed Susan: Goldstrum	Rudbeckia spp.	

COMMON NAME	SCIENTIFIC NAME	
Saxifrage; Purple Dome	Saxifraga spp.	
Pincushion Flower	Scabiosa spp.	
Stonecrop; Lidakense	Sedum cauticola	
Stonecrop	Sedum dasyphyllum	
Stonecrop; Dragon's Blood	Sedum spurium	
Spirea: Anthony Waterer	Spiraea bumalda	
Australian Brushcherry	Syzygium paniculatum	
Germander	Teucrium spp.	
Meadow Rue	Thalictrum dipterocarpum	
Veronica, Speedwell; Sunny Border	Veronica spp.	
Arrowood Viburnum	Vibumum suspensum	

<sup>\*\*</sup> Not for use on container grown plants.

#### VEGETATION MANAGEMENT

Alligare Prodiamine 65 WG Herbicide 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:
  - 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, Alligare Prodiamine 65 WG Herbicide will control the following weeds:

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

To control this weed, apply Alligare Prodiamine 65 WG Herbicide in late summer, fall, or winter before weed seeds germinate.

#### Application Timing and Information-Vegetation Management

Alligare Prodiamine 65 WG Herbicide:

- 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) inactionical 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:

Direct application of Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide may temporarily injure new growth of desirable plants. To reduce the possibility of injury at this time, wait to apply Alligare Prodiamine 65 WG Herbicide over the top of newly emerged vegetation until it has hardened off unless your experience

<sup>&</sup>lt;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.

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 Alligare Prodiamine 65 WG Herbicide 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/1,000 sq. ft.	In fall and/or spring before weeds germinate or after weeds are removed.	Use the higher rate for longer control.  Alligare Prodiamine 65 WG Herbicide 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:

Band width in inches x broadcast rate = amt. to apply per acre of field

Row width in inches

Equivalent Measurements for Alligare Prodiamine 65 WG Herbicide

lbs./A	oz./1,000 sq. ft.	Approximate Equivalent Tablespoons/1,000 sq. ft.
1.0	0.37	1
1.5	0.55	1 ½
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 "Tolerant Ornamental Species."  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

Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide 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

Tank Mix Partners for Alligare Prodiamine 65 WG Herbicide-Vegetation Management

PRODUCT	PRECAUTIONS/INSTRUCTIONS
Goal <sup>®</sup> , Galigan <sup>®</sup> (use on conifers only)	Mix with Alligare Prodiamine 65 WG Herbicide for postemergence control of certain broadleaf weeds including malva and filaree.
Gallery®, Princep®, Pennant®	See product labels for weed spectrum and tolerant ornamentals.
Touchdown <sup>®</sup> Pro (or other glyphosate-based labeled products), Reward <sup>®</sup> and Finale <sup>®</sup>	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 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 to liage of desirable plants.  Follow instructions on the tank mix partner's label, delay irrigation of the treated afrea 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

Alligare Prodiamine 65 WG Herbicide will not harm most trees, shrubs, vines, and flowers. The species listed below in Table 4 are tolerant to Alligare Prodiamine 65 WG Herbicide.

Alligare Prodiamine 65 WG Herbicide is approved for application, except in California, to the species in Table 5. Alligare Prodiamine 65 WG Herbicide 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 Alligare

Prodiamine 65 WG Herbicide.

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

Gladiolus species  English Ivy  Rose of Sharon  Chinese Hibiscus  Chinese Holly  Japanese Holly  Hex comuta  Hibs crenata  American Holly  Ilex opaca  Holly  Ilex pemyi  Yaupon Holly  Iris species  Iris spp.  Winter Jasmine  Chinese Juniper  Chinese Juniper  Juniperus conferta  Creeping Juniper  Creeping Juniper  Shrimp Plant  Crape Myrtle  Amur Privet  Japanese Privet  Glossy Privet (wax-leaf)  Big Blue Lillyturf  Hedera helix  Hex delix  Hex pemyi  Ilex comuta  Ilex opaca  Ilex pemyi  Ilex vomitoria  Iris spp.  Juniperus onifera  Juniperus chinensis  Juniperus conferta  Lagerstromia indica  Lagerstromia indica  Ligustrum amurense  Ligustrum japonicum  Ligiustrum lucidum  Ligiustrum lucidum  Liriope muscari		
Rose of Sharon Chinese Hibiscus Chinese Holly Japanese Holly Japanese Holly Illex comuta  Illex crenata Illex opaca Holly Holly Illex vomitoria Iris species Iris species Iris spp. Winter Jasmine Chinese Juniper Chinese Juniper Juniperus chinensis Shore Juniper Creeping Juniper Juniperus conferta Creeping Juniper Juniperus horizontalis Walnut** Juglans spp. Shrimp Plant Justicia brandegeana Crape Myrtle Lagerstromia indica Amur Privet Japanese Privet Ligustrum japonicum Glossy Privet (wax-leaf) Ligustrum lucidum		
Chinese Hibiscus Chinese Holly Japanese Holly Japanese Holly Illex comuta Illex corenata American Holly Holly Illex pemyi Yaupon Holly Iris species Iris spp. Winter Jasmine Chinese Juniper Chinese Juniper Juniperus chinensis Shore Juniper Juniperus conferta Creeping Juniper Juniperus horizontalis Walnut** Juglans spp. Shrimp Plant Justicia brandegeana Crape Myrtle Amur Privet Japanese Privet Ligustrum japonicum Glossy Privet (wax-leaf) Ligustrum lucidum	·	
Chinese Holly Japanese Holly Ilex comuta  American Holly Illex opaca Holly Yaupon Holly Iris species Iris spp. Winter Jasmine Chinese Juniper Chinese Juniper Juniperus chinensis Shore Juniper Juniperus conferta Creeping Juniper Juniperus horizontalis Walnut** Juglans spp. Shrimp Plant Justicia brandegeana Crape Myrtle Lagerstromia indica Amur Privet Jugustrum amurense Japanese Privet Ligustrum japonicum Glossy Privet (wax-leaf)  Ilex comuta Ilex opaca Ilex o	· · · · · · · · · · · · · · · · · · ·	
Japanese Holly  American Holly  Holly  Ilex opaca  Holly  Ilex pemyi  Yaupon Holly  Iris species  Iris spp.  Winter Jasmine  Chinese Juniper  Shore Juniper  Juniperus conferta  Creeping Juniper  Juniperus horizontalis  Walnut**  Juglans spp.  Shrimp Plant  Crape Myrtle  Amur Privet  Japanese Privet  Glossy Privet (wax-leaf)  Ilex crenata  Ilex opaca  I		
American Holly  Holly  Ilex opaca  Ilex pemyi  Yaupon Holly  Iris species  Iris spp.  Winter Jasmine  Chinese Juniper  Chinese Juniper  Juniperus chinensis  Shore Juniper  Juniperus conferta  Creeping Juniper  Juniperus horizontalis  Walnut**  Juglans spp.  Shrimp Plant  Juniperus direction dire		
Holly  Yaupon Holly  Ilex vomitoria  Iris species  Inis spp.  Winter Jasmine  Chinese Juniper  Chinese Juniper  Juniperus chinensis  Shore Juniper  Juniperus conferta  Creeping Juniper  Juniperus horizontalis  Walnut**  Juglans spp.  Shrimp Plant  Justicia brandegeana  Crape Myrtle  Lagerstromia indica  Amur Privet  Ligustrum amurense  Japanese Privet  Ligustrum japonicum  Glossy Privet (wax-leaf)		
Yaupon Holly  Iris species  Iris spp.  Winter Jasmine  Chinese Juniper  Chinese Juniper  Juniperus chinensis  Shore Juniper  Juniperus conferta  Creeping Juniper  Juniperus horizontalis  Walnut**  Juglans spp.  Shrimp Plant  Justicia brandegeana  Crape Myrtle  Ligustrum amurense  Japanese Privet  Ligustrum japonicum  Glossy Privet (wax-leaf)		
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Creeping Juniper  Walnut**  Juglans spp.  Shrimp Plant  Justicia brandegeana  Crape Myrtle  Lagerstromia indica  Amur Privet  Ligustrum amurense  Japanese Privet  Ligustrum japonicum  Glossy Privet (wax-leaf)		
Walnut**  Shrimp Plant  Crape Myrtle  Amur Privet  Justicia brandegeana  Lagerstromia indica  Ligustrum amurense  Japanese Privet  Ligustrum japonicum  Ligustrum lucidum		
Shrimp Plant  Crape Myrtle  Amur Privet  Ligustrum amurense  Japanese Privet  Ligustrum japonicum  Glossy Privet (wax-leaf)  Ligustrum lucidum		
Crape Myrtle  Amur Privet  Ligustrum amurense  Japanese Privet  Glossy Privet (wax-leaf)  Lagerstromia indica  Ligustrum amurense  Ligustrum japonicum  Ligustrum lucidum		· · · · · · · · · · · · · · · · · · ·
Amur Privet  Ligustrum amurense  Japanese Privet  Ligustrum japonicum  Glossy Privet (wax-leaf)  Ligustrum lucidum	•	
Japanese Privet Ligustrum japonicum Glossy Privet (wax-leaf) Ligustrum lucidum		
Glossy Privet (wax-leaf)  Ligustrum lucidum	<del> </del>	
Big Blue Lillyturf Linope muscari		
Japanese Honeysuckle Lonicera japonica		
Tatarian Honeysuckle Lonicera tatarica		,
Magnolia species Magnolia spp.		
Ice Plant Maleophora luteola		
Crabapple**  Malus spp.		
Heavenly Bamboo Nandina domestica		
Narcissus species Narcissus spp.		
Oleander Nerium spp.		
Olive** Olea europaea		1000
Mondo Grass Ophiopogon japonicus		
Trailing African Daisy Osteospermum fruticosum		,
Sourwood Oxydendrum arboreum	, · ;	
Avocado** Persea americana	( + +, +, +, +, +, +, +, +, +, +, +, +, +	
Frasier's Photinia (Redtip) Photinia fraseri		
Spruce species*** (Colorado Blue, Norway, etc.) Picea spp.	, , , , , , , , , , , , , , , , , , ,	(
Lily-of-the Valley Shrub Pieris japonica		
Calabrian Pine Pinus brutia		, , , ,
Canary Island Pine Pinus canariensis		1666
Slash Pine Pinus elliottii		
Aleppo Pine Pinus halepensis	•	
Austrian Black Pine Pinus nigra		
Longleaf Pine Pinus palustrus		

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

COMMON NAME	SCIENTIFIC NAME  Vibumum wrightii  Vinca major		
Leatherleaf Viburnum			
Vinca			
Dwarf Periwinkle	Vinca minor		
Grape**	Vitis spp.**		
Old Fashioned Weigela	Weigela florida		
Spanish Bayonet	Yucca aloifolia		
Yucca, Adam's Needle	Yucca filamentosa		

COMMON NAME	SCIENTIFIC NAME		
Abelia: Sherwood	Abelia grandiflora		
Yarrow: King Edward	Achillea spp.		
	Agapanthus orientalis		
Five-Leaf or Chocolate Vine	Akebia quintata		
Lady's Leek, Nodding Onion	Allium cemuum		
Japanese Anemone	Anemone hybrida		
Aquilegia: Red and Gold	Aquilegia spp.		
Wormwood; Silver Mound, Castle	Artemisia spp.		
Aster: Bonny Blue, Purple Dome .	Aster spp.		
	Aster X frikartii		
Lady Fern; Fern Lady	Athyrium filix-femina		
Fibrous Begonia: Hardy Grandis	Begonia spp.		
	Bergenia cordifolia		
Snowbank	Boltonia asteroides		
Bougainvillea	Bougainvillea spp.		
Butterfly-Bush (Dwarf Blue); Royal Red	Buddleia davidii		
Crimson Bottlebrush	Callistemon citrinus		
Tussock Bellflower; (White Clips)	Campanula carpatica		
Trumpet Creeper, Trumpet Flower, Madame Galen	Campis X tagliabuana		
	Ceratostigma plumbaginoides		
	Chrysanthemum nipponicum		
Coreopsis (Calliopsis); Early Sunrise, Moonbeam	Coreopsis spp.		
Lucifer	Crocosmia spp.		
Cooperi Pink	Delosperma spp.		
_arkspur; Blue Elf	Delphinium spp.		
Dianthus, Maiden Pinks 'Zing'	Dianthus deltoides		
Cheddar Pink	Dianthus gratianopolitanus		
Coneflower, Purple; Magnus	Echinacea purpurea		
Neeping Forsythia	Forsythia suspensa		
Gaillardia, Blanket Flower: 'Goblin'	Gaillardia spp.		
The state of the s	Gaura spp.		
Gentian	Gentiana dahunca		

<sup>\*</sup>Not for use on container or field grown ornamentals.
\*\*Do not use on food producing trees, vines, or plants.
\*\*\*Landscape ornamentals only.

COMMON NAME	SCIENTIFIC NAME		
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	Linope 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	Osmanthus heterophyllus		
Tree Peony	Paeonia suffruticosa		
Fountain Grass (Dwarf)**	Pennisetum setaceum		
	Perovskia atriplicifolia		
Dragonhead, False; Vivid	Physostegia virginiana		
Oak, Shumard's Red 44	Quercus Shumardii		
Yedda Hawthorne	Raphiolepsis umbellata		
'Delaware Valley White'	Rhododendron (including Azalea)		
'Flame Creeper'	control control		
'Girard Crimson'	·		
'George L. Tabor'			
'Wakeiebisu'			
'White Gumpo'			
Black-Eyed Susan: Goldstrum	Rudbeckia spp.		
Saxifrage; Purple Dome	Saxifraga spp.		
Pincushion Flower	Scabiosa spp.		

COMMON NAME	SCIENTIFIC NAME		
Stonecrop; Lidakense	Sedum cauticola		
Stonecrop	Sedum dasyphyllum		
Stonecrop; Dragon's Blood	Sedum spurium		
Spirea: Anthony Waterer	Spiraea bumalda		
Australian Brushcherry	Syzygium paniculatum		
Germander	Teucrium spp.		
Meadow Rue	Thalictrum dipterocarpum		
Veronica, Speedwell; Sunny Border	Veronica spp.		
Arrowood Viburnum	Vibumum suspensum		

<sup>\*</sup>Not for use on container or field grown ornamentals.

### CONIFER AND HARDWOOD SEEDLING NURSERIES (NON-ORNAMENTAL, FORESTRY USE ONLY)-VEGETATION MANAGEMENT-ALLIGARE PRODIAMINE 65 WG HERBICIDE

1. Provides residual preemergence weed control in conifer and hardwood seedling nurseries.

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.

. Should be applied to conifer and hardwood seedling nurseries any time after the soil has settled around newly transplanted

seedlings and liners

SITE	APPLICA	TION RATE	TIMING	COMMENTS/INSTRUCTIONS
	LBS./A	OZ./1,000 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 seeding 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 ½ inch of water.
Hardwood, Seedbeds: Oak (Quercus 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 ½ inch of sprinkler irrigation.

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

Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide-Conifer Seedling Nurseries

PRODUCT PRECAUTIONS/INSTRUCTIONS .		
Goal <sup>®</sup> , Galigan <sup>®</sup> (use on conifers only)	Mix with Alligare Prodiamine 65 WG Herbicide 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.

<sup>\*\*</sup> Landscape ornamentals only.

 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	SITE APPLICATION RATE		TIMING	COMMENTS/INSTRUCTIONS	
	LBS./A	OZ./1000 SQ. FT			
NonCrop Areas, Including, ornamentals, on or surrounding managed rights-of-way for transportation systems and utilities	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.	
(including roadways, roadsides, railways, and equipment yards)					
Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows					

Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide are for use only in states where the tank mix partner(s) are registered for the application site.

Tank-mix Partners with Alligare Prodiamine 65 WG Herbicide-Vegetation Management

PRODUCTS	COMMENTS
Touchdown Pro (and glyphosate-based products) Gramoxone, Reward, Predict, Princep, Vanquish, diuron-based products; 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 Alligare Prodiamine 65 WG Herbicide with any product whose label prohibits mixing with another pesticide.

<sup>&</sup>lt;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** 

- Apply this product only through an overhead sprinkler irrigation system. Do not apply this product through any other type of irrigation system.
- 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.
- 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-rescribed 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 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

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- designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.
- 8. Prepare a mixture with a minimum of 20 parts of water to 1 part Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide in to the system, run the irrigation system long enough to wet the foliage, then inject Alligare Prodiamine 65 WG Herbicide 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:

- Direct application of Alligare Prodiamine 65 WG Herbicide to rapidly growing tissue or buds may injure desirable plants.
  Do not make over-the-top application of Alligare Prodiamine 65 WG Herbicide until after newly formed tissue has hardened off.
- 2. Immediately wash Alligare Prodiamine 65 WG Herbicide 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	Stachys flordana
Buttercup Oxalis	Oxalis pes-caprae
Crabgrass	Digitaria spp.
Common Vetch	Vicia sativa

#### Weeds suppressed

COMMON NAME	SCIENTIFIC NAME
Wandering Jew	Zebrian pendual

### FOR CONTROL OF CERTAIN WEEDS ON DRAINAGE DITCHES (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. Alligare Prodiamine 65 WG Herbicide 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 Alligare Prodiamine 65 WG Herbicide 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 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. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state-and local authorities, by burning. If burned, stay out of smoke.

#### CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

To the extent consistent with applicable law, upon purchase or use of this product, purchaser and user agree to the following terms:

<u>Warranty:</u> Alligare, LLC (the Company) warrants that this product conforms to the chemical description on the label in all material respects and is reasonably fit for the purpose referred to in the directions for use, subject to the exceptions noted below, which are beyond the Company's control. To the extent consistent with applicable law, the Company makes no other representation or

warranty, express or implied, concerning the product, including no implied warranty of merchantability or fitness for a particular purpose. To the extent consistent with applicable law, no such warranty shall be implied by law, and no agent or representative is authorized to make any such warranty on the Company's behalf.

<u>Terms of Sale:</u> The Company's directions for use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, and the manner of use or application (including failure to adhere to label directions), all of which are beyond the Company's control. To the extent consistent with applicable law, all such risks are assumed by the user.

<u>Limitation of Liability:</u> To the extent consistent with applicable law, the exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damages, and in no event shall damages or any other recovery of any kind exceed the price of the product which caused the alleged loss, damage, injury or other claim. To the extent consistent with applicable law, under no circumstances shall the Company be liable for any special, indirect, incidental or consequential damages of any kind, including loss of profits or income. Some states do not allow the exclusion or limitation of incidental or consequential damages.

The Company and the seller offer this product, and the purchaser and user accept this product, subject to the foregoing warranty, terms of sale and limitation of liability, which may be varied or modified only by an agreement in writing signed on behalf of the Company by an authorized representative.

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[EPA approval date]