

U.S. ENVIRONMENTAL PROTECTION AGENCY

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

NOTICE OF PESTICIDE:

x RegistrationReregistration(under FIFRA, as amended)

EPA Reg. Number:

100-1297

Date of Issuance:

1 0 MAR 200R

Term of Issuance:

Conditional

Name of Pesticide Product:

Prodiamine F 0.43% Herbicide

Name and Address of Registrant (include ZIP Code):

Syngenta Crop Protection, Inc.

P.O. Box 18300

Greensboro, NC 27419

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. Add the phrase "EPA Registration No. 100-1297" to the label before you release the product for shipment.

COMMENTS CONTINUED ON PAGE 2 OF THIS NOTICE OF REGISTRATION.

Joanne J. Miller

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

Enclosure

Signature of Approving Official:

Joanne I. Miller Product Manager 23 Herbicide Branch

Registration Division (7505P)

Date:

1 0 MAR 2009

EPA Form 8570-6

page 2 EPA Reg. No. 100-1297 Comments Continued:

2. Submit the following data required for the registration of this pesticide product within 1 year form the date of this Notice of Registration:

EPA Guideline Data Number	Guideline Descriptor
830.6317	Storage Stability Study
830.6320	Corrosion Characteristics

Observations must be made at 0, 3, 6, 0 &12 month intervals and submit the results electronically along with the hard copy.

- 3. Add an EPA establishment number and the "Net Contents" of package to the label.
- 4. Revise the "Precautionary Statements" by adding the following skin sensitization precaution: "Prolong or frequently repeated skin contact may cause allergic reactions in some individuals."; and if appropriate for the formulation add "Wear protective eyewear".
- 5. Submit one (1) copy of the final printed labeling before you release this product for shipment.
- 6. Submit and/or cite all data required for the registration of this product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of this product under FIFRA, section 4.

Prodiamine F 0.43% Herbicide

Provides long lasting control of grass and broadleaf weeds around the home in:

- Established lawns
- Landscape ornamentals
- Established perennials

Prodiamine*	
Other Ingredients:	9
Total:	10
*CAS No. 29091-21-2	ACCEPTED with COMMENTS in EPA Letter Dated
EPA Reg. No. 100-XXXXX	1 0 MAR 2008
EPA Est. No.	Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.
KEEP OUT OF REACH OF CHILDREN.	100-1297
CAUTION	100 1217
See additional precautionary statements and direct	tions for use on back of bag.
Guaranteed Fertilizer Analysis:	
$ \begin{array}{lll} \text{Nitrogen} & & __\% \ (\text{N}) \\ \text{Phosphorus} & & __\% \ (\text{P}_2\text{O}_5) \\ \text{Potassium} & & __\% \ (\text{K}_2\text{O}) \\ \end{array} $	
pounds Net Weight	

Prodiamine F 0.43% Herbicide Page 2 of 14

FIRST AID			
If on skin or	Take off contaminated clothing.		
clothing	Rinse skin immediately with plenty of water for 15-20 minutes.		
<u> </u>	Call a poison control center or doctor for treatment advice.		
If inhaled	Move person to fresh air.		
	If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.		
·	Call a poison control center or doctor for further treatment advice.		
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes.		
 Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. 			
	Call a poison control center or doctor for treatment advice.		
Have the product container or label with you when calling a poison control center or			
doctor, or going for treatment. You may also contact 1-800-888-8372 [alternate phone			
number] for emergency medical treatment information.			
HOT LINE NUMBER			
For 24 Hour Medical Emergency Assistance (Human or Animal) or			
Chemical Emergency Assistance (Spill, Leak, Fire, or Accident),			

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Call [1-800-888-8372] [Alternate Phone Number]

Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. [Wear protective eyewear.] Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and gloves. Remove and wash contaminated clothing before reuse.

Prodiamine F 0.43% Herbicide Page 3 of 14

Environmental Hazards

This product has low solubility in water. At the limits of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash waters.

Prodiamine F 0.43% Herbicide Page 4 of 14

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, INC. or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

- Not for use on plants being grown for sale or commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification.
- Read entire label before using this product.
- People and pets may re-enter after the application is complete.

Prodiamine F 0.43% Herbicide controls certain grass and broadleaf weeds *before* they emerge and provides season-long control in established lawns and ornamentals in the landscape. Prodiamine F 0.43% Herbicide inhibits weed seed germination and root development in susceptible weeds. Prodiamine F 0.43% Herbicide will not control established weeds.

Weeds Controlled [Optional Graphic]

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

¹In many areas, a single application will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, make a second application 60-90 days later to ornamentals and lawns (if recommended for your lawn grass species.)

²Suppression only.

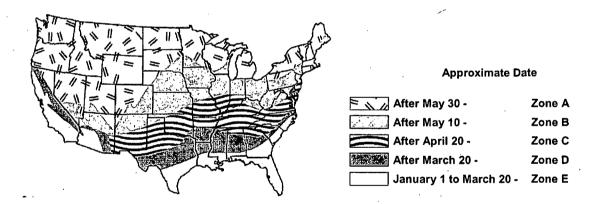
LAWNS

How to Apply

 Refer to Rates for Grass Species in table and Granular Spreader Settings table for spreader settings to deliver the rate recommended for your lawn grass species.
 Uniform coverage is necessary to provide the most effective level of control.

- Make a single application of Prodiamine F 0.43% Herbicide to the lawn in the early spring prior to crabgrass emergence. See *Crabgrass Germination Dates* in the map below for the best timing in your area. Always apply before weeds emerge. Prodiamine 0.43% Herbicide will not control emerged crabgrass.
- If you have a known serious weed problem or live in an area with an extended growing season, you may need to make a second application 60-90 days later.
- If you live in Zones D and E (see *Crabgrass Germination Dates* map), you may apply a higher rate (Medium or High Rate) or make two applications for more effective crabgrass control, if recommended for your lawn grass species.
- Do not make a second application to Fine Fescue, Creeping Bentgrass and newly sprigged and plugged Bermudagrass. Do not make a second application if you applied the High Rate to Buffalograss, Kentucky Bluegrass or Perennial Ryegrass.
- For best control After application, water-in with ½ inch of water within 14 days, either from watering or rain.

Crabgrass Seed Germination Dates [Optional Graphic]



[Begin - OPTION 1]

Rates for Lawn Grass Species

	Application Schedule ¹	Application Rate ²		e ²
Bermudagrass (established) Bahiagrass Centipedegrass Kikuyugrass	First Application	Base	Medium	High
Seashore Paspalum St. Augustinegrass Tall Fescue (including turf- type) Zoysia	Second Application (optional)	Base or Medium or High	Base or Medium or High	Base or Medium or Hìgh
Buffalograss Kentucky Bluegrass Perennial Ryegrass	First Application	Base	Medium	High
, crommar ryograss	Second Application (optional)	Base or Medium	Base or Medium	_
Fine Fescue (including Red Fescue) One Application Only		Base or Medium or High	-	_
Creeping Bentgrass	ing Bentgrass One Application Only		_	
Bermudagrass (newly sprigged and plugged) ³	One Application Only	Base or Medium		_

¹A second application may be necessary because of heavy weed pressure or extended growing season.

²See *Granular Spreader Settings* table for spreader settings to deliver the rate.

³Newly sprigged or plugged Bermudagrass rooting may be temporarily slowed.

[End - OPTION 1]

[Begin - OPTION 2]

Rates for Lawn Grass Species

	Application Rate ¹		
	Base	Medium	High
Bermudagrass (established) Bahiagrass Centipedegrass Kikuyugrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf-type) Zoysia	√	✓	/
Buffalograss Kentucky Bluegrass Perennial Ryegrass	✓	✓	✓
Fine Fescue (Red Fescue)	√	/	✓
Creeping Bentgrass	<u> </u>	/	
Bermudagrass (newly sprigged and plugged) ²	√ .	1	_

¹See *Granular Spreader Settings* table for spreader settings to deliver the rate.

[End - OPTION 2]

[Spreader models and settings available at the time of final printed labeling. X's on this table are place holders and represent the numerical spreader settings to be added at the time of final printed labeling.]

Granular Spreader Settings^{1,2,3}

Make and	[0.38 lb. a.i./A] [2.0 lb. product/1,000 sq. ft.] Base Rate (Treats 5,000 sq. ft.)	[0.5 lb. a.i./A] [2.7 lb. product/1,000 sq. ft.] Medium Rate (Treats 3,860 sq. ft.)	[0.75 lb. a.i./A] [4.0 lb. product/1,000 sq. ft.] High Rate (Treats 2,560 sq. ft.)
Spreader A	X	X	X
Spreader B	X	X	X
Spreader C	X	X	X
Spreader D	X	X	X
Spreader E	X	X	X
Spreader F	X	X	X
Spreader G	X	X	X
Etc.	X	X	X

¹Assume 3 mph walking speed.

²Newly sprigged or plugged Bermudagrass rooting may be temporarily slowed.

²It is recommended that you calibrate your spreader before application since manufacturer's settings can vary among the same model of spreader.

³Do not apply more than 1.5 lbs. ai/A per year.

Use Precautions [Optional Graphic]

- Do not apply to home putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass, or annual bluegrass (*Poa annua*) are desirable species.
- Tillage, aeration, or raking may shorten length of control.
- Seeding: Do not apply to overseeded areas for 60 days after seeding. Do not overseed for 4 months after using this product.
- **Sod:** Do not apply to newly set sod until the following year.

LANDSCAPE ORNAMENTALS

How to Apply [Optional Graphic]

- Apply Prodiamine F 0.43% Herbicide as a broadcast, over-the-top, or directed application at 3.5-8.0 lbs. product/1,000 sq. ft. Use higher rates when weed pressure was a severe problem in the past.
- Make a single application in fall and/or spring prior to weed emergence. Another application may be made 60-90 days later, if necessary. Do not exceed a total of 8.0 lbs. product/1,000 sq. ft per year.
- After application, water-in with ½ inch of water within 14 days, either from watering or rain. Or, incorporate into the top 1-2 inches of soil within 14 days after application.
- On established ornamentals, watering or rainfall soon after application will wash residues off plant foliage and activate Prodiamine F 0.43% Herbicide in the soil.
- On newly-transplanted ornamentals, apply after the soil has settled around the transplants.
- For best weed control, apply to soil free of clods, weeds, and debris such as leaves.
- Prior to application, control existing weeds by hand weeding, cultivation, or by the use of a herbicide for emerged weeds.
- Plants under stress (such as heat, drought, or frost damage) may be sensitive to Prodiamine F 0.43% Herbicide.

Prodiamine F 0.43% Herbicide Page 10 of 14

Tolerant Ornamentals

Prodiamine F 0.43% Herbicide will not harm most trees, shrubs, vines and flowers. See the two tables: *Tolerant Ornamentals - All States* and *Tolerant Ornamentals - All States* except California.

Tolerant Ornamentals - All States

Fir species (Balsam, Fraser, Noble, etc.) Japanese Maple Norway Maple Kiwi*

Lily-of-the-Nile (African Lily) Vine Hill Manzanita

Cape Weed
Japanese Aucuba

Barberry

Wintergreen Barberry
Mentor Barberry
Japanese Barberry
Warty Barberry
Japanese Boxwood
Weeping Bottlebrush
Scotch Heather

Hottentot Fig (Ice Plant)

Feathery Cassia
Wild Lilac
False Cypress
Cleyera
Citrus species*
Flowering Dogwood
American Dogwood
Pampas Grass

Cranberry Cotoneaster

Cotoneaster

Bearberry Cotoneaster Rockspray Cotoneaster

Hawthorne Italian Cypress

White Trailing Ice Plant

Hop Bush Silverberry Wintercreeper Japanese Spin

Japanese Spindle Tree (Evergreen Euonymus) Spreading Euonymus Japanese Aralia Border Forsythia Greenstem Forsythia Gardenia, Cape Jasmine

Gladiolus species English Ivv Rose of Sharon Chinese Hibiscus Chinese Holly Japanese Holly American Holly

Holly

Yaupon Holly Iris species Winter Jasmine Chinese Juniper Shore Juniper

Creeping Juniper Walnut* Shrimp Plant Crape Myrtle

Amur Privet
Japanese Privet

Glossy Privet (Wax-Leaf)

Big Blue Lillyturf Japanese Honeysuckle Tatarian Honeysuckle Magnolia species

Ice Plant Crabapple*

Heavenly Bamboo Narcissus species Oleander

Olive* Mondo Grass

Trailing African Daisy

Sourwood Avocado*

Frasier's Photinia (Redtip) Spruce species (Colorado Blue,

Norway, etc.)

Lily-of-the-Valley Shrub

Calabrian Pine Canary Island Pine

Slash Pine Aleppo Pine

Austrian Black Pine

Longleaf Pine Monterey Pine Eastern White Pine Scotch Pine Loblolly Pine

Japanese Black Pine

Virginia Pine Pistachio*

Queensland Pittosporum Japanese Pittosporum

Japanese Yew English Laurel

Almond, Apricot, Nectarine, Peach, Plum and Prune*

Douglas Fir Firethorn Scarlet Firethorn

Bradford Pear species

Red Oak

Indian Hawthorne Rhododendron

Azalea

Lady Bank's Rose Rosemary* Leatherleaf Fern Green santolina Sedum/Stonecrop Japanese Boxcherry Japanese Yew

Yew

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

Laurustinus Cranberry Bush Leatherleaf Viburnum

Vinca

Dwarf Periwinkle

Grape*

Old Fashioned Weigela Spanish Bayonet Yucca, Adam's Needle

^{*}Do not use on food producing trees, vines, or plants.

Prodiamine F 0.43% Herbicide Page 12 of 14

Tolerant Ornamentals - All States Except California

Abelia, Sherwood

Yarrow

Lily of the Nile, African Lily Five-Leaf or Chocolate Vine Lady's Leek, Nodding Onion

Japanese Anemone Aquilegia, Red and Gold Wormwood, Silver Mound

Aster

Frikart's Aster/Hybrid Aster Lady Fern; Fern Lady

Fibrous Begonia; Hardy Grandis

Bergenia Snowbank Bougainvillea

Butterfly-Bush (Dwarf Blue) Crimson Bottlebrush

Tussock Bellflower

Trumpet Creeper, Trumpet Flower

Leadwort, Dwarf plumbago Montauk Daisy, Nippon Daisy

Coreopsis (Calliopsis)

Lucifer

Cooperi Pink Larkspur

Dianthus, Maiden Pinks

Cheddar Pink Coneflower, Purple Weeping Forsythia Gaillardia, Blanket Flower

Gaura species
Gentian
Cranesbill
Baby's Breath
Sunrose
Daylily
Coral Bells

Mallow

Hosta, Plantain Lily (Fragrant)

Hosta

Houttuynia cordata var. variegata

Bigleaf Hydrangea

Inula Parsoni

Weeping Lantana

Lavender
Edelweiss
Chinese Privet
Lily (Lilium species)
Lirope, Variegated
Lirope, Creeping

Cardinal Flower, Indian Pink

Burgundy Loosestrife Miscanthus Evening Primrose Osmanthus (False Holly)

Tree Peony

Fountain Grass (Dwarf)

Russian Sage Dragonhead, False Oak, Shumard's Red Yedda Hawthorne Black-Eyed Susan

Saxifrage

Pincushion Flower

Spirea

Australian Brushcherry

Germander Meadow Rue Veronica, Speedwell Arrowood Viburnum

Prodiamine F 0.43% Herbicide Page 13 of 14

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in a cool, dry place. Keep container closed and away from food, feedstuffs, and domestic water supplies.

Container Disposal

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or [or 1-800-888-8372] [or Supplemental Distributor telephone number] for disposal instructions. Never place unused product down any indoor or outdoor drain.

Optional Marketing Claims

- Treats up to 5,000 square feet of lawn [10.1 lb. bag]
- Treats up to 10,000 square feet of lawn [20.3 lb. bag]
- Treats up to 15,000 square feet of lawn [30.4 lb. bag]
- Treats up to 3.900 square feet of ornamental plants
- Feeds [The Lawn] Up To 2 Months
- Feeds [The Lawn] up To 3 months
- Feeds [The Lawn] Up To 4 Months
- Easy To Apply
- Contains Slow Release Nitrogen [For Lawn Feeding Efficiency]
- Provides [Quick] Spring Greenup
- Provides A Barricade To Crabgrass Germination
- Controlled Release Feeding for Uniform Growth
- Stimulates Root Growth
- Manage Your Lawn Like A Professional
- Prevents Crabgrass In Lawns
- [Provides] [Season-Long] Control Of Crabgrass
- Controls Crabgrass [Before It Germinates] [In A Single Application]
- Keeps Crabgrass From Germinating
- 2-In-1 Fertilize And Crabgrass Control [In A Single Application]
- Crabgrass Preventer [+] [With] Lawn Fertilizer
- Controls Crabgrass and Broadleaf Weeds [Before They Germinate]
- Controls Crabgrass and Other Grass Weeds [Before They Germinate]
- Prevent Crabgrass and Fertilize [Your Lawn] In [One] [A Single] Application

Prodiamine F 0.43% Herbicide Page 14 of 14

- Apply In [Early] Spring
- Contains Barricade® [Preemergent Herbicide]
- Formulated for Home Lawns Will Not Burn
- Satisfaction Guaranteed

Barricade® is a trademark of a Syngenta Group Company

Questions or Comments?

Call [800 number] or visit our Website at [www.____.com]

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Manufactured for: Syngenta Crop Protection, Inc. Greensboro, North Carolina 27409 www.syngenta-us.com

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