



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

100-1300

Date of Issuance:

10 MAR 2008

NOTICE OF PESTICIDE:

[x] Registration
[] Reregistration
(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:

Prodiamine F 0.20% 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. 100-1300" to the label before you release the product for shipment.

COMMENTS CONTINUED ON PAGE 2 OF THIS NOTICE OF REGISTRATION.

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)

Handwritten signature: Joanne I. Miller

Date:

10 MAR 2008

page 2

EPA Reg. No. 100-1300

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:

<u>EPA Guideline Data Number</u>	<u>Guideline Descriptor</u>
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.
-

3 8 16

Proflaminate F 0.20% Herbicide

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

- Established lawns
- Landscape ornamentals
- Established perennials

Active Ingredient:	
Proflaminate*.....	0.20%
Other Ingredients:	99.80%
Total:	100.00%

*CAS No. 29091-21-2

EPA Reg. No. 100-XXXXX

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use on back of bag.

Guaranteed Fertilizer Analysis:

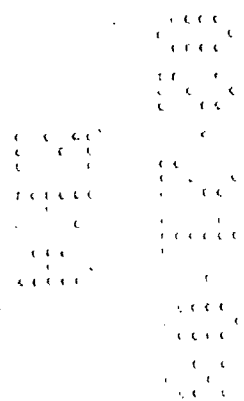
Nitrogen _____% (N)
 Phosphorus _____% (P₂O₅)
 Potassium _____% (K₂O)

_____ pounds
Net Weight

ACCEPTED
 with COMMENTS
 in EPA Letter Dated
 1 0 MAR 2008

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

100-1300



FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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.
<p>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.</p>	
<p>HOT LINE NUMBER For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call [1-800-888-8372] [Alternate Phone Number]</p>	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

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.

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.

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.

Proflam F 0.20% Herbicide controls certain grass and broadleaf weeds *before* they emerge and provides season-long control in established lawns and ornamentals in the landscape. Proflam F 0.20% Herbicide inhibits weed seed germination and root development in susceptible weeds. Proflam F 0.20% 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 (from seed)	Knotweed	Signalgrass, Broadleaf
Crabgrass (Large, Smooth)	Kochia	Speedwell, Persian
Crowfootgrass	Lambsquarter, Common	Sprangletop
Cupgrass, Woolly	Lovegrass	Spurge, Prostrate
Foxtails, Annual	Panicum (Texas, Fall, Browntop)	Witchgrass
Goosegrass ¹	Pigweed	Woodsorrel, Yellow (from 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.

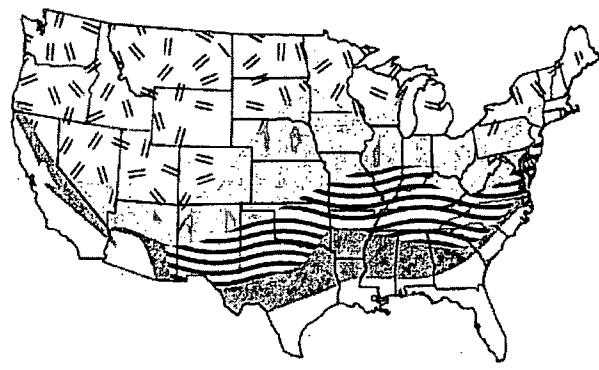
LAWNS

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 Proflaminate F 0.20% 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. Proflaminate 0.20% 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 1/2 inch of water within 14 days, either from watering or rain.

Crabgrass Seed Germination Dates [Optional Graphic]



Approximate Date		
After May 30 -	Zone A	(Diagonal lines)
After May 10 -	Zone B	(Dotted pattern)
After April 20 -	Zone C	(Horizontal lines)
After March 20 -	Zone D	(Cross-hatched pattern)
January 1 to March 20 -	Zone E	(White)

[Begin - OPTION 1]

Rates for Lawn Grass Species

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

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

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

[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 Models	[0.38 lb. a.i./A] [4.4 lb. product/1,000 sq. ft.] Base Rate (Treats 5,000 sq. ft.)	[0.5 lb. a.i./A] [5.7 lb. product/1,000 sq. ft.] Medium Rate (Treats 3,860 sq. ft.)	[0.75 lb. a.i./A] [8.6 lb. product/1,000 sq. ft.] High Rate (Treats 2,560 sq. ft.)
	Spreader A	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.

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 0.20% Herbicide as a broadcast, over-the-top, or directed application at 7.5-17.2 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 17.2 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 0.20% 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 an herbicide for emerged weeds.
- Plants under stress (such as heat, drought, or frost damage) may be sensitive to Prodiamine F 0.20% Herbicide.

Tolerant Ornamentals

Prodiamine F 0.20% 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.)	Rose of Sharon	Scotch Pine
Japanese Maple	Chinese Hibiscus	Loblolly Pine
Norway Maple	Chinese Holly	Japanese Black Pine
Kiwi*	Japanese Holly	Virginia Pine
Lily-of-the-Nile (African Lily)	American Holly	Pistachio*
Vine Hill Manzanita	Holly	Queensland Pittosporum
Cape Weed	Yaupon Holly	Japanese Pittosporum
Japanese Aucuba	Iris species	Japanese Yew
Barberry	Winter Jasmine	English Laurel
Wintergreen Barberry	Chinese Juniper	Almond, Apricot, Nectarine, Peach, Plum and Prune*
Mentor Barberry	Shore Juniper	Douglas Fir
Japanese Barberry	Creeping Juniper	Firethorn Scarlet
Warty Barberry	Walnut*	Firethorn
Japanese Boxwood	Shrimp Plant	Bradford Pear species
Weeping Bottlebrush	Crape Myrtle	Red Oak
Scotch Heather	Amur Privet	Indian Hawthorne
Hottentot Fig (Ice Plant)	Japanese Privet	Rhododendron
Feathery Cassia	Glossy Privet (Wax-Leaf)	Azalea
Wild Lilac	Big Blue Lillyturf	Lady Bank's Rose
False Cypress	Japanese Honeysuckle	Rosemary*
Cleyera	Tatarian Honeysuckle	Leatherleaf Fern
Citrus species*	Magnolia species	Green santolina
Flowering Dogwood	Ice Plant	Sedum/Stonecrop
American Dogwood	Crabapple*	Japanese Boxcherry
Pampas Grass	Heavenly Bamboo	Japanese Yew
Cranberry Cotoneaster	Narcissus species	Yew
Cotoneaster	Oleander	American Arborvitae
Bearberry Cotoneaster	Olive*	Star Jasmine
Rockspray Cotoneaster	Mondo Grass	Canada Hemlock
Hawthorne	Trailing African Daisy	Tulip species
Italian Cypress	Sourwood	Japanese Viburnum
White Trailing Ice Plant	Avocado*	Sweet Viburnum
Hop Bush	Frasier's Photinia (Redtip)	Japanese Snowball
Silverberry	Spruce species (Colorado Blue, Norway, etc.)	Canary Island Viburnum
Wintercreeper	Lily-of-the-Valley Shrub	Laurustinus
Japanese Spindle Tree (Evergreen Euonymus)	Calabrian Pine	Cranberry Bush
Spreading Euonymus	Canary Island Pine	Leatherleaf Viburnum
Japanese Aralia	Slash Pine	Vinca
Border Forsythia	Aleppo Pine	Dwarf Periwinkle
Greenstem Forsythia	Austrian Black Pine	Grape*
Gardenia, Cape Jasmine	Longleaf Pine	Old Fashioned Weigela
Gladiolus species	Monterey Pine	Spanish Bayonet
English Ivy	Eastern White Pine	Yucca, Adam's Needle

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

Tolerant Ornamentals - All States Except California

Abelia, Sherwood	<i>Houttuynia cordata var. variegata</i>
Yarrow	Bigleaf Hydrangea
Lily of the Nile, African Lily	Inula
Five-Leaf or Chocolate Vine	Parsoni
Lady's Leek, Nodding Onion	Weeping Lantana
Japanese Anemone	Lavender
Aquilegia, Red and Gold	Edelweiss
Wormwood, Silver Mound	Chinese Privet
Aster	Lily (<i>Lilium</i> species)
Frikart's Aster/Hybrid Aster	Lirope, Variegated
Lady Fern; Fern Lady	Lirope, Creeping
Fibrous Begonia; Hardy Grandis	Cardinal Flower, Indian Pink
Bergenia	Burgundy
Snowbank	Loosestrife
Bougainvillea	Miscanthus
Butterfly-Bush (Dwarf Blue)	Evening Primrose
Crimson Bottlebrush	Osmanthus (False Holly)
Tussock Bellflower	Tree Peony
Trumpet Creeper, Trumpet Flower	Fountain Grass (Dwarf)
Leadwort, Dwarf plumbago	Russian Sage
Montauk Daisy, Nippon Daisy	Dragonhead, False
Coreopsis (Calliopsis)	Oak, Shumard's Red
Lucifer	Yedda Hawthorne
Cooperi Pink	Black-Eyed Susan
Larkspur	Saxifrage
Dianthus, Maiden Pinks	Pincushion Flower
Cheddar Pink	Spirea
Coneflower, Purple	Australian Brushcherry
Weeping Forsythia	Germander
Gaillardia, Blanket Flower	Meadow Rue
<i>Gaura</i> species	Veronica, Speedwell
Gentian	Arrowood Viburnum
Cranesbill	
Baby's Breath	
Sunrose	
Daylily	
Coral Bells	
Mallow	
Hosta, Plantain Lily (Fragrant)	
Hosta	

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 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 [21.8 lb. bag]
- Treats up to 10,000 square feet of lawn [43.6 lb. bag]
- Treats up to 15,000 square feet of lawn [65.4 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

16 8 16

- 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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