PRO-MATE®
DIMENSION® 0.22% PLUS FERTILIZER

Weed Control with Premium Lawn Food

PRO-MATE® DIMENSION® 0.22% PLUS FERTILIZER is a selective herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns, ornamental landscape areas, and ornamental turf areas, including golf course fairways, roughs, and tee boxes. Not for use on turf being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

In the state of New York, this product may only be used by Professional Turf Applicators at no more than 5.22 lbs./1,000 sq. ft. per year (0.5 lb. a.i./acre/year); and is prohibited from use in Nassau and Suffolk Counties.

ACTIVE INGREDIENT:
Dithiopyr, 3,5-pyridinedicarboxylic acid,
2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,
S-dimethyl ester .............................................. 0.22%
INERT INGREDIENTS: ........................................ 99.78%
TOTAL: ..................................................... 100.00%
Product protected by U.S. Patent No. 4,692,184. Other patents pending.

KEEP OUT OF REACH OF CHILDREN
CAUTION
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION! CAUSES EYE IRRITATION. HARMFUL IF INHALED. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

SEE INSIDE LABEL FOR ADDITIONAL PRECAUTIONS, FIRST AID, AND DIRECTIONS FOR USE.

NET CONTENTS: 50 LBS.

Manufactured For
HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300 • COLLIERVILLE, TENNESSEE 38017
ENVIRONMENTAL HAZARDS

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in any manner inconsistent with its labeling. In New York State, this product may only be used by Professional Turf Applicators at no more than 5.22 lbs./1,000 sq. ft. per year (0.5 lb. a.i./acre/year) and is prohibited from use in Nassau and Suffolk Counties.

STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal. PESTICIDE STORAGE: Store this product only in its original container in a dry, cool, secured storage area.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable federal, state or local procedures.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. If empty, place in trash or offer for recycling, if available. If partly filled, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

SPILL: In case of spill, sweep up material and dispose of material according to "pesticide disposal" directions listed above.

GENERAL INFORMATION

This product is a selective herbicide that provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turf, including golf courses, highways, roads, and lawns. This product will not harm nearby established ornamentals when used according to label directions.

USE PRECAUTIONS

Turfgrass Safety – This product may be used on seeded, sodded, or sprigged lawns and ornamental turf that are well-established. The grass must have developed a good root system and a uniform stand, and have received at least two mowings following its seeding, sodding, or sprigging before it can receive its first application of this product. Use of this product on lawns and ornamental turf that are not well-established, or on those that have been weakened by weather-, pest-, disease-, chemical-, or mechanical-related stress, may increase the chances for turf injury. This product should only be applied to lawns and ornamental turf that are composed of the following turfgrass species that have been determined to be tolerant to applications of this product. When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

- **COOL-SEASON GRASSES**
  - Common Name: Bentgrass, creeping
    - Scientific Name: Agrostis palustris
  - Common Name: Bluegrass, Kentucky
    - Scientific Name: Poa pratensis
  - Common Name: Festuca, fine
    - Scientific Name: Festuca rubra

- **WARM-SEASON GRASSES**
  - Common Name: Bahiagrass
    - Scientific Name: Paspalum notatum
  - Common Name: Bermudagrass
    - Scientific Name: Cynodon dactylon
  - Common Name: Buffalo grass
    - Scientific Name: Buchloe dactyloides
  - Common Name: Carpetgrass
    - Scientific Name: Axonopus affinis

- **Use of this product on certain varieties of creeping bentgrass, such as 'Cohasset', 'Carrington', 'Seaside' and 'Washington' may result in undesirable turf injury. Not all varieties of creeping bentgrass have been tested.**

**DO NOT apply this product to Coastal bentgrass (Agrostis tenuis) varieties.**

**Use of this product on certain varieties of fine fescue may result in undesirable turf injury. The following fine fescue varieties have been found to be sensitive to this product: 'Atlantis', 'Banner', 'Beauty', 'Biljet', 'CF-2', 'Ezio', 'HF-93', 'Highlight', 'Ibiza', 'Jamestown', 'Kokelt', 'Majenta', 'Mary', 'Penniwren', 'Tamara', 'Tajvane', 'Waldorf' and 'Walrina'. Not all varieties of fine fescue have been tested.**

**DO NOT use this product on seeding Buffalograss and has established new roots.**

**NOTE:** It is not possible to evaluate all turfgrass varieties suggested that the user evaluate the response of turf prior to initiating large-scale use.

DIMENSION® TURFGRASS

ALASKA - NORTH
HAWAII - COASTAL SOUTH

GOLF

DO NOT apply this product to golf course putting greens.

Other Use Precautions

The Early postemergence crabgrass control describes if applied before crabgrass has displayed its fifth leaf. For best results, cultural practices that disturb the soil before application of this product. DO NOT apply this product:

- Apply this product directly to established lawns or lawns
- DO NOT use clippings from treated turf for mulching
- DO NOT apply this product to pastures. Keep pets away.

APPENDIX

Control of Crabgrass

Pre-emergence and Early Postemergence Control

- This product provides "preemergence" control of crabgrass from the ground up.
- It can also provide "early postemergence" control of crabgrass that emerged from the ground; however, it is often difficult to control ornamental turf. Post-emergence crabgrass control may be used as an additional, early postemergence control of crabgrass. This control generally corresponds to the time when benefits of this product's additional, early postemergence control may be seen. It can provide the user a 2-4 week longer period of time to control crabgrass. Application Frequency and Timing

- **This product may be applied as a single application as early as spring, summer, or fall.**
- **DO NOT apply more than 5.22 pounds of this product per 1,000 sq. ft. per year.**
- **In the state of New York, this product may only be used for the first season (0.5 lb. a.i./acre/year) and is prohibited from use in Nassau and Suffolk Counties.**
se with care when applying to organisms in adjacent aquatic area; the mean high water mark; disposing of equipment washing water in an area.

State, this product may only be used in the state of Oregon and is prohibited from being stored or transported outside this state. No trash or offer for recycling, discard product down any indoor sink.

Revised editions listed above.

radleaf weeds in established turf. nearby established ornamentals, mowing, including such as crabgrass, 3 months or more established forages.

In 9 years, 2012, listed the following established lawns and ornamental turfgrass species that have been tested: Velmex, Labeled, and Washington. This testing has been tested in:

Scientific Name: Festuca arundinacea L. tolerant Bates/Tiny Bicolor.

Scientific Name: Eremochloa ophioloides Pennisetum clandestinum Stenotaphrum secundatum Zoysia japonica and Washington may result in a low-quality lawn. These varieties have been tested in: Golph Course Putting Greens

DO NOT apply this product to golf course putting greens.

Other Use Precautions

Reemergence control described below is limited. Postemergence applications are only effective on crabgrass if applied before crabgrass has emerged. Apply products to establish lawns or ornamental turf only. DO NOT apply to flowers, vegetables, shrubs, or trees.

DO NOT use clipping from treated turf for mulching around vegetable or fruit trees.

DO NOT apply this product to pastures. Keep people and pets off treated areas until dust has settled.

APPLICATION DIRECTIONS

Control of Crabgrass

Pre-emergence and Early Postemergence Control

This product provides "pre-emergence" control of crabgrass (including the large, smooth and southern species) when applied prior to the emergence of crabgrass from the ground in established lawns and ornamental turf. Crabgrass will germinate slowly until the spring, early stages of crabgrass growth after the crabgrass has emerged from the ground. However, it is often difficult to see the very small, early stages of crabgrass in well-established lawns and ornamental turf. Post-emergence crabgrass control will be obtained only when this product is applied prior to the tiller of crabgrass, which generally appears before the crabgrass plants in the lawn or turf. So the practical benefit of this product's additional, early postemergence activity is that (compared to strictly preemergence crabgrass products) it can give the user a 2-4 week longer period of time to make applications and still control crabgrass.

Application Frequency and Timing

This product may be applied as a single application, as a split application, or as a sequential application for crabgrass control in the spring, summer, or fall.

DO NOT apply more than 2.22 pounds of this product per 1,000 square feet per application, and no more than 15.66 pounds of this product per 1,000 square feet per year.

In the state of New York, this product may only be used by professional applicators at no more than 2.22 lbs./1,000 sq. ft. per year (0.5 lbs. a.i./acre/year), and is prohibited from use in Nassau and Suffolk Counties.

Spring Applications

For single applications made in the spring of the year, one of the three control programs listed in Table 1 should be used. The use is considered to be preemergence control provided by this product is directly related to turfgrass competitiveness, and the use of

- Use Program #1 for preemergence control in the first 3-5 months of preemergence crabgrass control.
- Use Program #2 for preemergence control of crabgrass or weed control has not been confirmed as effective. The program may also provide broadleaf weed control for best results, use mechanical or power seedling equipment (split seeders) designed to give good seed-to-soil contact.

Table 1: Recommended Single Application

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>USE (turfgrass cut)</th>
<th>RECOMMENDATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1 Preemergence High-Cut Turf</td>
<td>Turfgrass cut</td>
<td>Recommended</td>
</tr>
<tr>
<td>North</td>
<td>1.30 lbs./a.e.</td>
<td>turfgrass cut</td>
</tr>
<tr>
<td>Transition</td>
<td>1.91 lbs./a.e.</td>
<td>turfgrass cut</td>
</tr>
<tr>
<td>South</td>
<td>2.61 lbs./a.e.</td>
<td>turfgrass cut</td>
</tr>
<tr>
<td>Coastal South</td>
<td>3.82 lbs./a.e.</td>
<td>turfgrass cut</td>
</tr>
</tbody>
</table>

NOTE: 2.61 lbs. per 1,000 square feet is equal to 2.22 pounds per 1,000 square feet. (see *DO NOT apply more than 2.22 lbs. per 1,000 square feet per application*).

In the state of New York, this product may only be used by professional applicators at no more than 0.5 lbs. a.i./acre/year, and is prohibited in all areas not listed.

Tips for Improved Control

For best results, apply this product within 7 days after planting or within 7 days after planting or within 14 days after planting or within 14 days after planting. Use of pre-plant applications spaced 2-4 weeks apart is recommended. This will provide optimal control of crabgrass and other weeds.
...are only effective on crabgrass. Applications are only effective on crabgrass growth after the crabgrass has rhizomes in well-established lawns and is applied prior to the tillering of crablets in the lawn or turf. So the pretreatment crabgrass product(s) crabgrass. Crabgrass control in the south no more than 15.66 pounds of this or more than 5.22 lbs./1,000 sq. ft. per

**Spring Applications**

For single applications made in the spring or early summer, this product should be applied at the appropriate rate corresponding to one of the three control programs listed in Table 1 below, depending on the user's location, the turfgrass mowing height, and whether the use is considered to be preemergence or early postemergence at the time of the application. The duration of residual weed control provided by this product is directly related to the total rate applied, but will vary somewhat depending on weather, weed pressure, turfgrass competitiveness, and the user's location within a region.

1. Use Program #1 for preemergence control at sites where the turfgrass is cut high (e.g., homeowner lawns). This program provides 3-5 months of preemergence crabgrass control. This program should not be used for early postemergence crabgrass control.

2. Use Program #2 for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways), and (b) turfgrass maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence control of crabgrass.

Subsequent, sequential pre- and/or postemergence applications should be made where longer periods of control are desired. Where split fertilizer applications are recommended, the rates in Table 1 may be divided between two applications made 6-10 weeks apart and prior to crabgrass emergence.

<table>
<thead>
<tr>
<th>PROGRAM USE</th>
<th>#1 Preemergence (high-cut turf)</th>
<th>#2 Preemergence (low-cut turf)</th>
<th>#3 Postemergence (low-cut turf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>southern species</td>
<td>1.30 lbs./1,000 sq. ft.</td>
<td>1.91 lbs./1,000 sq. ft.</td>
<td>2.61 lbs./1,000 sq. ft.</td>
</tr>
<tr>
<td>transition</td>
<td>South</td>
<td>5.82 lbs./1,000 sq. ft.</td>
<td>5.22 lbs./1,000 sq. ft.</td>
</tr>
<tr>
<td>Coastal South</td>
<td>3.50 lbs./1,000 sq. ft.</td>
<td>5.22 lbs./1,000 sq. ft.</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** 2.61 lbs. per 1,000 square feet is equal to 0.25 lb. active ingredient per acre.

**DO NOT apply more than 5.22 lbs. of this product per 1,000 sq. ft. per application, and no more than 15.66 lbs. of this product per 1,000 sq. ft. per year. Postemergence control is limited, see “Crabgrass Control” and “Precautions” sections above. Regions include areas listed below. See Map of United States.

**May require split or sequential applications for full control.**

In the state of New York, this product may only be used by Professional Turf Operators at no more than 5.22 lbs./1,000 sq. ft. per year (0.5 lb. a.i./acre/year), and is prohibited from use in Nassau and Suffolk Counties.

- North: all areas not designated below.
- Transition: DE, KS, KY, MD, MO, NJ, NY, VA, Southeastern PA, southern areas of IL, IN, OH, & coastal areas of CT, NY & RI.
- South: AL, AR, AZ, CA, GA, LA, MS, NC, NM, NY, OK, SC, TN & TX.
- Coastal South: HI, FL & southern coastal areas of AL, GA, LA, MS, NC, SC & TX.

**Fall Applications**

This product can also be applied in the late summer or early fall (late August through November) at the "Program 3" use rates listed in Table 1 to provide control of crabgrass through the early part of the next spring. The fall application may be followed by an appropriate spring application to provide season-long control.

**Tips for Improved Control**

For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application. When treated lawn or ornamental turf areas are watered or receive significant rainfall within a few days after application of this product, improved weed control may result.

Use of split (half-rate) applications spaced 6-8 weeks apart may provide improved weed control.
Control of Other Grasses and Broadleaf Weeds

Spring Application
Used as directed for crabgrass control in the spring, this product will also control (at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence:

- Barnyardgrass
- Bluegrass (annual)
- Crowfootgrass
- Foxtail (yellow & green)*
- Goosegrass
- Kikuyugrass
- Lepregrass (common)
- Oxalis (buttercup, creeping, & yellow woodsorrel)
- Purslane (common)
- Ryegrass (annual & perennial)
- Smilrgrass
- Speedwell (corn)
- Spurge (prostrate and spotted)

*also controlled at the "Program 2" rates.

Fall Applications
Used as directed for late summer or early fall use, for crabgrass control through the early part of the next spring, this product will also control (at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence:

- Bittersweet
- Bluegrass (annual)
- Chickweed
- Geranium (Carolina)
- Herbbit
- Parsley-piert
- Pineappleweed
- Sheepheardspurse

APPLICATION EQUIPMENT AND INSTRUCTIONS
Apply PRO-MATE® DIMENSION® 0.22% Plus Fertilizer with drop or rotary spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader according to the equipment manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the lawn or ornamental turf area. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

CONDITIONS OF SALE – LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES
Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including any implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expenses of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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PRO-MATE® is a registered trademark of Helena Holding Company.
DIMENSION® is a registered trademark of Dow Agrisciences.
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PRO-MATE®

PRO-MATE® PLUS 0.22% PLUS FERTILIZER

lawn, ornamental landscape areas, and ornamental turf

ot for use on turf being grown for sale or other commer-
cial use in the state of New York, this product may only be used
and is prohibited from use in Nassau and Suffolk Counties.

ACTIVE INGREDIENT:

Dithiocarbamate, 3,5-dicyclicarboxylic acid, 2,6-

INERT INGREDIENTS: ....................................................

TOTAL: .................................................................

Product protected by U.S. Patent No. 4,692,198

KEEP OUT

PR

HAZARDS T

CAUTION! CAUSES EYE IRRITATION. HARMFUL IF

ed after handling. Remove contaminated clothing and

cause allergic reactions in some individuals.

IF IN EYES:                   • Hold eye open and rinse slowly:

  • Remove contact lenses, if present
  • Call a poison control center or di

IF INHALED:                  • Move person to fresh air:

  • If person is not breathing, call 911:
  • Call a poison control center or di

For additional information, in case of emergency, call 81
Have the product container or label with you when calling

HELEN

225 SCHILLING BOULEVARD

Job #51079
PRO-MATE® DIMENSION® 0.22% PLUS FERTILIZER

Weed Control with Premium Lawn Food

PRO-MATE® DIMENSION® 0.22% PLUS FERTILIZER is a selective herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns, ornamental landscape areas, and ornamental turf, including golf course fairways, roughs, and tee boxes.

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ACTIVE INGREDIENT:
Dithiocarbamyl[3,5-(3-fluorophenoxy)1,2-thiazolidinyl]-4-(2-methylpropoxy)-5-(2-methylpropyl)-0.22% ISO-butylphenyl disulfide……………...………………………………………0.22%

INERT INGREDIENTS: …………………………………………………………………………………………………………………………………………………99.78%

TOTAL: …………………………………………………………………………………………………………………………………………………………………100.00%

Product protected by U.S. Patent No. 4,692,184. Other patents pending.

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION! CAUSES EYE IRRITATION. HARMFUL IF INHALED. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact while handling material may cause allergic reaction in some individuals.

FIRST AID

IF IN EYES: 
• Hold eye open and rinse slowly and gently with water for 15-20 minutes.
• Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye.
• Call a poison control center or doctor for treatment advice.

IF INHALED: 
• Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
• Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

For additional information, in case of emergency, call 800-624-9300.

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

AD 08/2010

EPA Reg. No. 5905-538
EPA Est. No.: First letters of product batch code indicate producing establishment.
5905-FL-019 • 5905-WA-018 • 5905-NM-001 • 5905-KS-207

NET CONTENTS:
50 LBS.

Manufactured For

HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300 • COLLIERVILLE, TENNESSEE 38017

2019 SHE004