

ACTIVE INGREDIENT:

Prodimame: (N ³ , N ³ -Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine.....	0.20%
INERT INGREDIENTS:	99.80%
Total	100.00%

For selective preemergence control of grass and broadleaf weeds in:

- Established turf grasses (excluding golf course putting greens) and lawns
- Landscape ornamentals (including established perennials and wildflower plantings)

DRIVEN BY
Duration^{CR}
Controlled Release Fertilizer

30-0-15

ST

GUARANTEED ANALYSIS

Total Nitrogen (N).....30.00%

2.40% Ammoniacal Nitrogen
23.10% Urea Nitrogen*
4.50% Nitrate Nitrogen**

Soluble Potash (K₂O)..... 15.00%***
Sulfur (S).....3.00%

3.00% Combined Sulfur

Derived from: Urea, Polymer Coated Urea, Ammonium Sulfate, Potassium Nitrate Chlorine (Cl) Max.....0.10%

***22.50% slowly available nitrogen from polymer coated urea**
****4.50% slowly available nitrate nitrogen from polymer coated potassium nitrate**
*****15.00% slowly available potash from polymer coated potassium nitrate**

#023006 **MSDS#02-013**

KEEP OUT OF REACH OF CHILDREN CAUTION

See the following section, **Precautionary Statements, Hazards to Humans and Domestic Animals**, for additional information.

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, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- Established turf grasses (excluding golf course putting greens) and lawns
- Landscape ornamentals
- Established perennials and wildflower plantings

This product controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when Prodimame is activated by at least 0.5 inches of rainfall or irrigation, or with shallow (1-2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Not for use on plants being grown (1) for sale or other commercial use, (2) for commercial seed production, or (3) for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds. Do not graze or feed livestock forage cut from areas treated with this product. Do not apply this product through any type of irrigation system. Do not apply aerially. Do not apply to golf course putting greens.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

WEEDS CONTROLLED

When used in accordance with this label, this product will provide control of the following weeds:

Barnyardgrass	Foxtails, Annual	Kochia	Rescuegrass ³
Bluegrass, Annual (<i>Poa annua</i>)	Goosegrass ¹	Lambsquarter, Common	Shepherd's Purse ²
Chickweed, Common	Henbit	Lovegrass	Signalgrass, Broadleaf
Chickweed, Mouse ear (from seed)	Itchgrass	Panicum(Texas, Fall, Brown Top)	Sprangletop
Crabgrass(large, smooth)	Johnsongrass(from seed)	Pigweed	Spurge, Prostrate
Crowfootgrass	Junglerice	Purslane, Common	Witchgrass
Cupgrass, Woolly	Knotweed	Pusley, Florida	Woodsorrel Yellow (from seed)

- In many areas a single application of 325 to 750 lb/acre of this product will control the above listed weeds and goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control can be obtained by making an initial application of 325 to 750 lb/acre followed after 60 to 90 days by a second application at doses that would not exceed those given in the **Maximum Annual Rate Table**. Do not exceed the maximum rate for turf grass species listed in the **Maximum Annual Rate Table** above.
- Applications for this weed should be made in late summer, fall or winter prior to germination.
- Suppression only. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates recommended for each turf species. All applications must be made prior to germination of weed seeds.

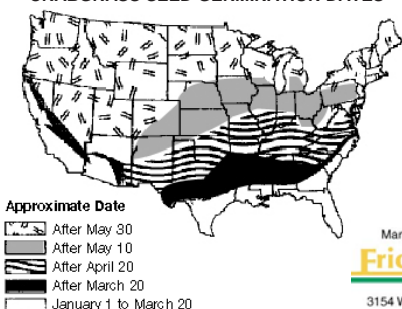
APPLICATION DIRECTIONS

Apply uniformly through suitable, calibrated commercial application equipment.

ESTABLISHED TURF

This product is a selective pre-emergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf grass and lawns. The maximum amount of this product that may be applied per year is given for each turf grass species in the **Maximum Annual Rates** section of this label. Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the information below for approximate crabgrass seed germination dates.

CRABGRASS SEED GERMINATION DATES



USE PRECAUTIONS: The following precautions apply to the use of this product in turf grasses and lawns: (1) Application of this product may thin emerged annual bluegrass and newly overseeded grasses. (2) Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil. (3) Do not cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year. (4) Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury. (5) Disturbing the herbicide barrier with cultural practices such as diking may result in reduced weed control. (6) Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.

RATES OF APPLICATION

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds. Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

MAXIMUM ANNUAL RATES

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

Maximum Application Rate per Calendar Year ¹		
Turf Species	lb Pro Ap Cavalcade 0.20% Plus Fertilizer / acre	lb Ai per Acre
Bermudagrass ²	750 lbs	1.5
Bahiagrass		
Centipedegrass		
Seashore Paspalum		
St. Augustinegrass		
Tall Fescue (including turf-type)	500 lbs	1.0
Zoysia		
Buffalograss		
Kentucky Bluegrass		
Perennial Ryegrass		
Creeping Red Fescue	375 lbs	0.75
Creeping Bentgrass	325 lbs	0.65

- These are the maximum rates per calendar year by species limitations.
- May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 250 lbs./A. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass, and Rescuegrass due to reduced product rates used in sprigging situations.
- Do not apply more than 750 lbs. of this product per calendar year.
- Use higher rates of this product to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the **Maximum Annual Rates Table**.

SUGGESTED SPREADER SETTINGS*

Spreader	Recommended Rates in lb per 1,000 sq ft	
	3 lb	4 lb
Perma-Green high gear	3.75	4.25
Perma-Green low gear	3.25	3.75
Lesco #	13	15
Lesco letter	D	F
Cyclone/Spyker	3.5	4.5
Vicon 4.5 mph	20	28
Lely 4.5 mph	3.75	4.5

*ATTENTION: These settings are only approximate. Age, condition of the spreader and operator speed can cause wide variation.

WHEN TO APPLY AFTER OVERSEEDING TURF

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

WHEN TO OVERSEED AFTER APPLICATION

This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the following table for best overseeding/ reseeded results.

Cavalcade 0.20% Plus Fertilizer Rate (lb/Acre)	ai	Months Before Overseeding		
		North	Transition	South
250	.50	4	4	4
325	.66	5	4	4
275	.74	6	5	5
400	.80	-	6	6
500	1.00	-	7	7
570	1.14	-	-	9
650	1.30	-	-	10
750	1.50	-	-	12

STORAGE AND DISPOSAL

STORAGE: Store this product in its original container in a dry, cool, secured area. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal. **PRODUCT DISPOSAL:** As a responsible environmental practice, where possible, it is recommended that all of the contents of the bag be used, carefully following label directions and precautions. **IF EMPTY:** Do not reuse this bag. Place in trash or offer for recycling if available. **IF PARTLY FILLED:** Call you local waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. **SPILL:** In case of spill, sweep up and dispose of material according to Product disposal directions above.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact while handling the material may cause allergic reactions in some individuals.

FIRST AID

- IF SWALLOWED:** Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- IF IN EYES:** Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
- IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. 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, or when going for treatment, you may also call 1-800-858-7378 for emergency medical treatment advice. See side panel for additional Precautionary Statements.

CONDITIONS OF SALE AND WARRANTY

The **Directions for Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, 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, or the manner of use or application all of which are beyond the control of Frick Services, Inc. or the Seller. All such risks shall be assumed by the Buyer. Frick Services, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above. **Frick Services, Inc. makes no other express or implied Warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Frick Services, Inc. or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this Product.** Frick Services, Inc. and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Frick Services, Inc.

Pro Ap is a trademark of Frick Services, Inc. Cavalcade is a trademark of Sipcam Agro USA, Inc.

EPA REG. NO. 60063-28-040249
EPA EST. NO. 040249-IN-010
Net Weight: 50 lb (22.68 kg)

