

# PRE-M<sup>®</sup> 1.5% Plus Fertilizer

**PRE-EMERGENT WEED CONTROL**  
For Use on Turfgrasses, Ornamentals, Landscape or Grounds Maintenance, and Non-cropland Areas.

<b>Active Ingredient:</b>	Pendimethalin, N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine* .....	1.50%
<b>Inert Ingredients:</b>	.....	98.50%
<b>Total</b>	.....	100.00%

\*Licensed under one or more of the following U.S. Patents: 3,920,742; 4,066,441.

# 0-0-8

## GUARANTEED ANALYSIS

<b>Soluble Potash (K<sub>2</sub>O)</b> .....	8.00%
<b>Sulfur (S) Total</b> .....	2.90%
2.90% Combined Sulfur (S)	
<b>DERIVED FROM:</b> Sulfate of Potash.	
<b>Chlorine (Cl) Max.</b> .....	2.00%

Made in U.S.A. Produced under the following U. S. Patent: 5,750,130 F1560

## KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)  
See below for additional precautionary statements.

In case of emergency endangering life or property involving this product, call day or night, Chem-Trec 1-800-424-9300.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes eye irritation. Harmful if absorbed through skin. Harmful if swallowed. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

#### FIRST AID

If swallowed	<ul style="list-style-type: none"><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 by the poison control center or doctor.</li><li>Do not give anything by mouth to an unconscious person.</li></ul>
If in eyes	<ul style="list-style-type: none"><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.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
If on skin or clothing	<ul style="list-style-type: none"><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 style="list-style-type: none"><li>Move person to fresh air.</li><li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>Call a poison control center or doctor for further treatment advice.</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 Chem-Trec at 1-800-424-9300 for emergency medical treatment information.

#### NOTE TO PHYSICIAN

Because of increased risk of chemical pneumonia or pulmonary edema caused by aspiration of the hydrocarbon solvent, vomiting should be induced only under professional supervision.

#### Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### 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.

#### ENVIRONMENTAL HAZARDS

This product is 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 aquatic sites. DO NOT contaminate water by cleaning of equipment or disposal 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 labeling must be in the possession of the user at time of pesticide application. DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only 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 24 hours.

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
- Chemical resistant gloves
- Shoes plus socks

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter treated area until dusts have settled.

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

#### STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

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

**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. Or call [1-800-CLEANUP] for disposal instructions. Never place unused product down any indoor or outdoor drain.

**Container Disposal:** Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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

Observe all cautions and limitations on this label and on the labels of products used in combination with this herbicide. Do not use this herbicide other than in accordance with the instructions set forth on this label. The use of this herbicide not consistent with this label can result in injury to turf, animals, or persons. Keep Container closed to avoid spills and contamination.

#### GENERAL INFORMATION

This product is a combination pre-emergent herbicide and fertilizer formulated to provide pre-emergence control of most annual grasses and certain broadleaf weeds as they germinate in any turfgrass site (lawns, sod, turf areas). Examples of such sites include, but are not limited to: grounds or lawns around residential and commercial establishments, multifamily dwellings, military and other institutions, parks, airports, roadsides, schools, picnic grounds, athletic fields, houses of worship, cemeteries; golf courses; prairiegrass areas; and sod farms.

This product can be used in and around field, liner, and container grown ornamental nurseries; established landscape ornamentals and ornamental gardens; listed groundcovers and bulbs; nonbearing fruit and nut trees; conifer and hardwood seedling nurseries; and for plantation site preparation and maintenance.

In addition, this product can be applied for general grounds maintenance around areas such as parking lots, driveways and roadsides, alleyways, bike and jogging paths, vacant lots, buildings, stone gardens and gravel yards, markers and fence lines, mulch beds and other similar areas. It may be used under asphalt or concrete treatments as part of a site preparation program.

This product is recommended for pre-emergence control of most annual grasses and certain broadleaf weeds as they germinate in any non-cropland area such as railroad, utility, highway, and pipeline rights-of-way; highway guardrails, delineators, and sign posts; bridge abutments and approaches; utility substations; petroleum tank farms; pumping installations; storage areas; fence rows; windbreaks and shelterbelts; paved or gravel surfaces; established wildflower plantings, and other similar areas where weed control is desired.

This product controls weeds as they germinate but will not control established weeds. Therefore, areas to be treated should be free of established weeds. For the control of established weeds, this product may be used in conjunction with herbicides registered for post-emergence use. Consult the labels of those herbicides for use rates, timings, and precautions or restrictions. Unusually cold, excessively wet, or hot and dry conditions that delay germination or extend germination over a long period of time can reduce weed control.

The efficacy of this product will improve if the application is followed by one-half inch of rainfall or its equivalent in sprinkler irrigation. If this product is not activated by rainfall or irrigation within 30 days, erratic weed control may result.

Applied according to label directions and under normal growing conditions, this product will not cause turf injury. Over-application can result in turf stand loss, turf injury, or soil residues. Uneven application can decrease weed control or cause turf injury. Seedling diseases, cold weather, excessive moisture, high soil pH, high soil salt concentration, or drought can weaken turfgrass and increase the possibility of turf damage from this product.

#### APPLICATION

Apply product uniformly at the recommended rate using a properly calibrated spreader (see table below for approximate settings). Check application routinely to determine proper calibration. Avoid overlaps that will increase rates above those recommended. Avoid application when winds may cause drift. Avoid contact of product with porous surfaces such as driveways, stone, or wood. Removing particles will help prevent staining.

#### SUGGESTED SPREADER SETTINGS

Spreader	Recommended Rates lb per 1000 sq ft (lb per acre)				
	1.5 (67)	2.3 (100)	3.1 (133)	4.6 (200)	5.4 (233)
LESCO Rotary Calibration Gauge	#11	#12	#14	#16	#17
Cyclone <sup>®</sup> or Spyker <sup>®</sup>	3	3¼	4	4½	4¾

IMPORTANT: Spreader settings are only approximate. Age, condition of spreader, and operator speed can cause wide variation in application rate. Spreader should be calibrated prior to each application by the operator.

#### TURFGRASS APPLICATION CHART

Turfgrass Species	Weeds	Rates of PRE-M 1.5% Plus Fertilizer	Comments:
<b>NORTHERN GRASSES</b> Kentucky bluegrass Perennial ryegrass Fine fescue Tall fescue	crabgrass foxtail <i>Poa annua</i> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	2.3 to 5.4 lb/1,000 sq ft (100-233 lb/acre) as the initial application prior to weed germination in the spring.	Apply a repeat application of 1.5 to 2.3 lb/1,000 sq ft (67-100 lb/acre) after a minimum of 4 weeks for extended control or where heavy weed infestations are expected.
	goosegrass	2.3 to 5.4 lb/1,000 sq ft (100-233 lb/acre) in the spring prior to weed germination.	Apply a repeat application of 1.5 lb/1,000 sq ft (67 lb/acre)
	cutweed <i>Poa annua</i> chickweed lawn burweed henbit corn speedwell	2.3 to 5.4 lb/1,000 sq ft (100-233 lb/acre)	Apply in late summer or early fall prior to weed germination.
<b>Bentgrass and established <i>Poa annua</i> (1/2 inch height or taller)</b>	crabgrass foxtail <i>Poa annua</i> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	2.3 to 4.6 lb/1,000 sq ft (100-200 lb/acre) in the spring prior to weed germination.	Apply a repeat application of 1.5 to 2.3 lb/1,000 sq ft (67-100 lb/acre) after a minimum of 4 weeks for extended control or where heavy weed infestations are expected.
	goosegrass	2.3 to 3.1 lb/1,000 sq ft (100-133 lb/acre) prior to weed germination in the spring.	Apply a repeat application of 2.3 lb/1,000 sq ft (100 lb/acre) after a minimum of 4 weeks.
	cutweed <i>Poa annua</i> chickweed lawn burweed henbit corn speedwell	2.3 to 3.1 lb/1,000 sq ft. (100-133 lb/acre)	Apply in late summer or early fall prior to weed germination.
<b>SOUTHERN GRASSES</b> Bermudagrass* St. Augustinegrass Bahia grass Buffalograss Zoysiagrass Centipedegrass Tall fescue	crabgrass foxtail <i>Poa annua</i> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	2.3 to 5.4 lb/1,000 sq ft (100-233 lb/acre) prior to weed germination in the spring.	Apply a repeat application of 1.5 to 2.3 lb/1,000 sq ft (67-100 lb/acre) after a minimum of 4 weeks if necessary.
	goosegrass	2.3 to 5.4 lb/1,000 sq ft (100-233 lb/acre) prior to weed germination in the spring. Apply a repeat application 2.3 to 3.1 lb/1,000 sq ft (100-133 lb/acre) after minimum of 4 weeks.	An additional application of 1.5 lb/1,000 sq ft (67 lb/acre) may be applied for extended goosegrass control a minimum of 4 weeks after the second application.
	cutweed <i>Poa annua</i> chickweed lawn burweed henbit corn speedwell	2.3 to 5.4 lb/1,000 sq ft (100-233 lb/acre)	Apply in late summer or early fall prior to weed germination.

\*Not for use on greens or tees

The efficacy of this product will be improved if the application is followed by one-half inch of rainfall or its equivalent in sprinkler irrigation. If this product is not activated by rainfall or irrigation within 30 days, erratic weed control may result.

This product can be applied before or after post-emergence herbicides used to control emerged weeds in turfgrasses. For annual grass control applications can be made with Acclaim Extra<sup>1</sup> or MSMA to control emerged weeds. Broadleaf weeds can be controlled using Trimec<sup>2</sup>, Three-Way<sup>3</sup>, 2,4-D, and other similar products.

#### TURFGRASS PRECAUTIONS

Use only on well established turfgrass with a dense and uniform stand. On newly planted areas, application should not be made until the turfgrass has filled in and has been mowed at least four times. On turf that has been thinned or damaged due to winter injury, excessive moisture, etc., allow for turf recovery prior to making an application.

Applications made to overseeded warm-season turfgrasses may cause thinning or injury of the overseeded species.

Do not use on bentgrass or *Poa annua* (greens and tees) or injury may occur.

Delay reseedling or winter overseeding treated turfgrass for at least 2 months following application. Do not sprig turfgrass for 3 months after application.

#### INDUSTRIAL (unimproved) TURF

Industrial, or unimproved turf areas often have a different spectrum of weeds to be controlled than those found in fine turf as described elsewhere in this leaflet. This product will control annual grasses and broadleaf weeds mentioned in that section of this label as well as the following weeds that might germinate in established grasses in rights-of-way, roadsides, construction sites, parks, substations, lots, or similar areas:

Crowfootgrass, Itchgrass, Johnsongrass (from seed), Junglerice, Lovegrass, Browntop Panicum, Texas Panicum, Field Sandbur, Signalgrass, Mexican Sprangletop, Red Sprangletop, Witchgrass, Woolly Cupgrass, Carpetweed, Fiddleneck, Filaree, Kochia, Lambsquarters, Pigweed, Puncturevine, Florida Pusley, London Rocket, Shepherd's purse, Pennsylvania Smartweed, Annual Spurge, and Velvetleaf.

**Apply before weeds germinate.** A post-emergence herbicide such as 2,4-D, MSMA, or similar product is recommended to control established weeds.

## #069278

## T

## (front)

## Net Weight: 50 lb (22.7 kg)

