

66222-55

9/27/2013

117



**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Office of Pesticide Programs**  
**Registration Division (7504P)**  
**Ariel Rios Building**  
**1200 Pennsylvania Ave., NW**  
**Washington, D.C. 20460**

EPA Registration Number:

66222-55

Date of Issuance:

SEP 27 2013

**NOTICE OF PESTICIDE:**

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance: **Unconditional**

Name of Pesticide Product:

**PRAMITOL 2L/DIURON 2L**

**Name and Address of Registrant (include ZIP Code):**

**Makhteshim Agan of North America, Inc.**  
**3120 Highwoods Blvd #100**  
**Raleigh, NC 27604**

**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.

EPA received a label amendment request submitted on September 27, 2013. EPA grants this request under the authority of section 3(c)(5) of the Federal Insecticide, Fungicide and Rodenticide Act, as amended. With this accepted labeling, all requirements set forth in the Reregistration Eligibility Decision (RED) for **Prometon** have been satisfied. Therefore, EPA reregisters the product listed above. This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Submit one (1) copy of final printed labeling. Amended labeling will supersede all previously accepted labels. A copy of your label stamped "Accepted" is enclosed for your records. Products shipped after twelve (12) months from the date of this Notice or the next printing of your label, whichever occurs first, must bear the new revised label.

The basic confidential statement of formula (CSF) dated 11/21/12 and alternate CSFs #1 and #2 dated 07/31/12 were all found to be acceptable.

If you have any questions regarding this Notice, please contact Maggie Rudick at (703) 347-0257 or at [rudick.maggie@epa.gov](mailto:rudick.maggie@epa.gov).

Signature of Approving Official:

**Kable Bo Davis**  
**Product Manager 25**  
**Herbicide Branch**  
**Registration Division (7505P)**

Date:

SEP 27 2013

2/7

Group **C1** Herbicide

# PRAMITOL<sup>®</sup> 2L-DIURON 2L

## HERBICIDE

FOR TOTAL VEGETATION CONTROL OF WEEDS IN NONCROP AREAS

Bare ground weed control around buildings, storage areas, fences, pumps, machinery, fuel tanks, recreational areas, roadways, guard rails, airports, military installations, highway medians, pipelines, railroads, lumberyards, industrial sites, and rights-of-way.

ACTIVE INGREDIENT:	% BY WT.
Prometon: 2,4-bis(isopropylamino)-6-methoxy-s-triazine.....	21.62%
Diuron: 3-(3,4-dichlorophenyl)-1,1-dimethylurea.....	21.62%
OTHER INGREDIENTS:.....	56.76%
	<b>TOTAL 100.00%</b>

Contains 2 lbs. Prometon and 2 lbs. Diuron per gallon

**ACCEPTED**

SEP 27 2013

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under EPA Reg No. 66222-55

EPA Reg No. 66222-55

Manufactured for:  
Makhteshim Agan of North America, (MANA) Inc.  
3120 Highwoods Blvd, Suite 100  
Raleigh, NC 27604

EPA Est. No. [REDACTED]

NET CONTENTS: \_\_\_ GALLON(S)

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

FIRST AID	
<b>IF SWALLOWED:</b>	<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 do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF IN EYES:</b>	<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 eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<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>
<b>IF INHALED:</b>	<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>
<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 Prozar: 1-877-250-9291 for emergency medical treatment information.</p>	

#### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

**All mixers, loaders, applicators, and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton
- A NIOSH approved dust/mist filtering respirator with any N, R, P or HE filter or a NIOSH-approved dust/mist filtering respirator with approval number prefix TC-21C, and
- A chemical-resistant apron when mixing, loading, or cleaning equipment or spills

In addition, mixers and loaders supporting motorized ground equipment and handlers cleaning up spill or equipment must wear chemical-resistant gloves, such as those listed above.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**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.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide may adversely affect non-target plants. Do not contaminate water used for irrigation or domestic purposes. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as specified on this label.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Applications around a cistern or well may result in contamination of drinking water or groundwater.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that it 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.

**PRODUCT INFORMATION**

Use of this product in certain portions of California, Oregon and Washington is subject to the January 22, 2004 Order for Injunctive relief in Washington Toxics Coalition, et al.v. EP, CO1-0132C (W. D. WA).

Pramitol 2L-Diuron 2L is a nonselective herbicide that can be used to control most annual weeds and some perennial weeds for an extended period of time on non-cropland areas such as industrial sites, railroad, utility and highway rights-of-ways, lumberyards, petroleum tank farms, storage areas, around farm buildings, along fence lines, and similar areas. Pramitol 2L-Diuron 2L can be applied in water before or after plant growth begins. Although Pramitol 2L-Diuron 2L has considerable activity through foliar contact, much of its activity is through roots; therefore, **its effectiveness is dependent on rainfall to move it into the root zone. Very dry soil conditions and lack of sufficient rainfall may result in poor weed control.**

This product will not provide herbicidal action in the treated area unless application is immediately followed by watering the area with at least ¼ " of water or application of the product just prior to a rain event sufficient to penetrate the root system of the target vegetation.

**Important:** Use only in areas where complete control of all vegetation is desired such as industrial sites, railroad and utility rights-of-ways, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.

Pramitol 2L-Diuron 2L is generally non-corrosive to equipment but may cause swelling or more rapid deterioration of hoses and fittings containing natural rubber.

**RESTRICTIONS:**

- Do not apply this product in a residential setting

**SPRAY DRIFT MANAGEMENT**

A variety of factors including weather conditions (e.g. wind direction, wind speed, temperature, relative humidity) and method of application (e.g., groundboom sprayer) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Use best practices to avoid drift to all non-target areas. Do not apply when conditions favor drift from target areas. The interaction of many equipment- and weather-related factors determine the potential for spray drift. Avoiding spray drift at the application site is the responsibility of the applicator. The applicator must follow the most restrictive precautions to avoid drift, including those found in this labeling as well as applicable state and local regulations and ordinances. A drift control agent may reduce drift, however, it may also decrease weed control.

Do not make aerial or ground applications into temperature inversions.

**Droplet Size:**

Use only medium or coarser spray nozzles according to ASAE (S572) definition for standard nozzles.

**Wind Speed:**

Do not apply at wind speeds greater than 10 mph.

**INDUSTRIAL SITES AND NONCROP AREAS/  
RAILROAD AND UTILITY RIGHTS-OF-WAYS**

Pramitol 2L-Diuron 2L can be applied before or up to 3 months after weed emergence. Application rates vary from 2.0–6.0 gals. of Pramitol 2L-Diuron 2L per acre. Degree of control and duration of control will vary depending on climatic conditions, soil type, the weeds present, the stage of growth of the weeds and other conditions. In the following application rates, the higher rates are intended for use on heavier soils where weed growth is heavy and where rainfall is expected to be relatively high. Use higher rates where longer residual control is desired in regions with a long growing season.

For best results, apply Pramitol 2L-Diuron 2L before weeds emerge or when weeds are young and actively growing. Pramitol 2L-Diuron 2L may be used as a pre-emergence or early post-emergence treatment at any time of the year **except** when ground is frozen. Although Pramitol 2L-Diuron 2L has considerable activity through foliar contact, much of its activity is through roots; therefore, **its effectiveness is dependent on rainfall to move it into the root zone. Very dry soil conditions and lack of sufficient rainfall may result in poor weed control.**

This product will not provide herbicidal action in the treated area unless application is immediately followed by watering the area with at least ¼ " of water or application of the product just prior to a rain event sufficient to penetrate the root system of the target vegetation.

Weeds greater than 4 inches must be mowed, removed, or hoed into the soil prior to application

Pramitol 2L-Diuron 2L may be tank mixed with glyphosate, 2,4-D, dicamba, pendimethalin, imazapyr, triclopyr, MSMA, Oust®, Plateau® and other herbicide products. Consult manufacturer's labels for specific rates and weeds controlled. Always follow the more restrictive label when making an application involving tank mixes.

Performance may also be enhanced by the use of surfactants, crop oils or other adjuvants. See manufacturer's label for specific rates. When an adjuvant is to be used with this product, Makhteshim Agan of North America, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

Using properly calibrated equipment, mix the labeled amount of Pramitol 2L-Diuron 2L in the spray tank in the appropriate amount of water with the agitator running. If desirable, a spray pattern indicator may be added at the

label rate. Apply uniformly to the area to be treated. Pramitol 2L-Diuron 2L must be kept in suspension at all times. Agitate by mechanical or hydraulic means in the spray tank. If bypass agitation is used, it should terminate at bottom of tank in order to minimize foaming. Use 50 mesh or larger screens.

For control of annual and susceptible perennial weeds and grasses, broadcast 2.0-6.0 gals. Pramitol 2L-Diuron 2L in 50-100 gals. of water per acre. For control of hard-to-kill perennial weeds and grasses, broadcast 4.0-6.0 gals. of Pramitol 2L-Diuron 2L in 50-100 gals. of water per acre.

When applying Pramitol 2L-Diuron 2L to a small area with backpack or pump-up sprayers with capacities of 1-3 gals., calibrate the sprayer so that 1 gal. of water covers 500 sq. ft. Then mix 8 - 14 fl. oz. of Pramitol 2L-Diuron 2L with water to obtain a total volume of 1 gal. and apply uniformly over a 500 sq. ft. area. For hard-to-kill perennial weeds and grasses, use the higher rate. Although Pramitol 2L-Diuron 2L has considerable activity through foliar contact, much of its activity is through roots; therefore, **its effectiveness is dependent on reaching the root zone.**

In arid areas where deep-rooted perennials are a problem, best results can be obtained by making the application from midsummer through late fall or prior to the rainy season.

**WEEDS CONTROLLED**

Apply Pramitol 2L - Diuron 2L at rates varying from 2.0-6.0 gallons per acre to control weeds including but not limited to:

**Broadleaves**

2.0 - 4.0 gallons/A, up to 6.0 gallons/A in areas of high rainfall or dense vegetation

Ageratum	Horsenettle	Rabbit Tobacco
Bindweed	Horseweed	Ragweed
Bristlegrass, Knotweed	Knawel	Sesbania
Carrot, Wild	Kochia	Shepherdspurse
Chickweed	Lambsquarter	Sicklepod
Cocklebur	Marigold	Smartweed, Annual
Corn Speedwell	Mexican Clover	Sowthistle, Annual
Corn Spurry	Morningglory, Annual	Spanishneedles
Dallisgrass	Pennycress	Tansymustard
Dayflower	Pigweed	Velvetleaf
Dogfennel	Pineappleweed	(Buttonweed)
Fiddleneck	Plantain	Wild Buckwheat
(Amsinckia)	Pokeweed	Wild Lettuce
Flora's Paintbrush	Prickly Lettuce	Wild Mustard
Goldenrod	Prickly Sida	Wild Radish
Gromwell	(Teaweed)	
Groundcherry, Annual	Puncturevine	
Hawksbeard	Purslane	

**Grasses**

2.0 - 3.25 gallons/A

Barnyardgrass	Lovegrass, Annual	Ryegrass, Annual
(Watergrass)	Oatgrass	Sandbur
Bromegrass, Downy	Orchardgrass	Seedling Johnsongrass
Bluegrass, Annual	Peppergrass	Velvetgrass
Crabgrass	Quackgrass	Vernalgrass
Foxtail	Rattail Fescue	(Sweet annual)
Goosegrass	Red Sprangletop	
Kyllings	Ricegrass	

3.25 - 4.0 gallons / A, up to 6.0 gallons/A in areas of high rainfall or dense vegetation

Bermudagrass
Guineagrass
Maidengrass
Pangolagrass
Rhizome Johnsongrass (Suppression.)

**RESTRICTIONS WHEN USED ON INDUSTRIAL SITES AND NONCROP AREAS:**

- Do not use this product on or near desirable plants, including within the dripline of roots of desirable trees and shrubs, since injury to desirable plants and other vegetation may result.
- Do not use this product to sloped areas where desirable vegetation or nearby water bodies may be located downhill of the application area, since injury to desirable plants and other vegetation may result.
- Do not use on land to be cropped.
- Do not use for weed control in greenhouses.
- Do not enter or allow entry until sprays have dried.
- Weeds greater than 4 inches must be mowed, removed, or hoed into the soil prior to application. Use of Pramitol 2L-Diuron 2L is limited to one application per year. The maximum use rate is 24 lbs of product/A (12 lbs. diuron a.i. and 12 lbs. prometon a.i./A) or the equivalent of 6 gallons of Pramitol 2L-Diuron 2L/A.

**ASPHALT PAVEMENT**

Pramitol 2L-Diuron 2L may be used to extend the useful life of asphalt pavement by preventing weeds from emerging through it. Pramitol 2L-Diuron 2L must be applied to the ground before laying asphalt.

Apply Pramitol 2L-Diuron 2L only where the area to be treated has been prepared according to good construction practices. If rhizomes, tubers, or other vegetative parts are present in the site, they must be removed by scalping with a grader blade. Re-compaction of the site following disking or plowing will allow good penetration of Pramitol 2L-Diuron 2L and will help to ensure proper asphalt curing and good weed control.

Pramitol 2L-Diuron 2L will not completely control woody vegetation such as small trees, brush, or woody vines. Roots of such species must be grubbed and removed from the site before application.

Apply Pramitol 2L-Diuron 2L to the ground before laying rapid, medium, or slow curing asphalt coatings such as those used on parking lots, highway shoulders and median strips, roadways, and other industrial sites. Apply Pramitol 2L-Diuron 2L just before laying of the asphalt coating to prevent possible lateral movement of the herbicide by rainfall or other mechanical means. Sprayers should be equipped to provide continuous agitation of the spray mixture during application to ensure application of a uniform spray emulsion.

Apply Pramitol 2L-Diuron 2L uniformly at the rate of 4.0 gals./acre (11.75 fl. oz./1000 sq. ft.) in a minimum of 100 gals. of water per acre to ensure thorough and uniform wetting of the soil surface. Use the lower rate to control annual and susceptible perennial weeds and grasses. Use the higher rate to control hard-to-kill perennial weeds and grasses.

In arid areas where deep-rooted perennials are a problem, best results can be obtained by making the application from midsummer through late fall or prior to the rainy season.

**RESTRICTIONS WHEN USED UNDER ASPHALT:**

- Do not mix Pramitol 2L-Diuron 2L with asphalt.
- Do not use Pramitol 2L-Diuron 2L under asphalt coatings less than 2 inches thick.
- Do not apply Pramitol 2L-Diuron 2L to soil saturated with water. The condition of the soil should be favorable for penetration or proper asphalt curing may be affected.
- Do not use this product on or near desirable plants, including within the dripline of roots of desirable trees and shrubs, since injury to desirable plants and other vegetation may result.
- Do not use this product to sloped areas where desirable vegetation or nearby water bodies may be located downhill of the application area, since injury to desirable plants and other vegetation may result.
- Do not use on land to be cropped.
- Do not use for weed control in greenhouses.
- Do not enter or allow entry until sprays have dried.
- Use of Pramitol 2L-Diuron 2L is limited to one application per year. The maximum use rate is 0.18 lb ai/500 ft<sup>2</sup> or the equivalent to a maximum of 16 lbs of product/A (8 lbs. diuron a.i. and 8 lbs. prometon a.i./A) or the equivalent of 4 gallons of Pramitol 2L-Diuron 2L/A.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store at temperatures above 32°F.

**PESTICIDE DISPOSAL:** Wastes resulting from use of this product must be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:**

**Nonrefillable Container (five gallons or less):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**Nonrefillable Container (greater than five gallons):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

**Refillable Container:** Refillable container. Refill this container with prometon only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. For final disposal, offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**LIMITATION OF WARRANTY AND LIABILITY**

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY.**

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the 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 Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

Pramitol® is a registered trademark of Makhteshim Agan of North America Inc.

Oust® is a registered trademark of E.I. Du ont de Nemours

Plateau® is registered trademark of BASF Corporation

Pramitol2L-Diuron2L (66222-55)( DCI update 070206) (SAL Updates 2007-025-17)  
(PLP DCI 8 Mo. Response – to EPA 2-21-2011 edits 6-17-13, 9-24-13b)