

66222-15

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

JAN -5 2010

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

P. Leanne Pruett  
Makhteshim Agan of North America, Inc.  
4515 Falls of Neuse Road, Suite 300  
Raleigh, NC 27609

Subject: Label Amendment (New Use on Carrot, Celeriac, Cilantro, Okra, Parsley, and  
Leaf Petioles (Crop Subgroup 4B))  
Prometryn 4L Herbicide  
EPA Reg. No.66222-15  
Application Dated September 3, 2008

Dear Ms. Pruett:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable, provided that you do the following:

1. Submit the following data for prometryn within two (2) years from the date of this letter as a condition of registration for the new uses stated above:
  - a. Guideline 850.1350: Aquatic Invertebrate Life-cycle (Saltwater)  
Study must be conducted on mysid shrimp (*Mysidopsis bahia*)
  - b. Guideline 850.1400: Fish Early-Life Stage Toxicity Test (Saltwater)  
Recommend using sheepshead minnow (*Cyprinodon variegatus*)
  - c. Guideline 860.1300: Nature of the Residue – Plants  
A metabolism study reflecting application of prometryn to carrot or another root crop.
  - d. Guideline 860.1380 Storage Stability
    - i. In the Residue Chemistry Chapter of the Prometryn RED, HED concluded that the requirements for storage stability data were not fully satisfied for reregistration because information regarding sample storage intervals and conditions was needed for celery and cotton seed samples from studies reviewed in the 10/86 Prometryn Registration Standard. These data remain outstanding. To support the proposed use on the leaf petioles subgroup, information on sample storage conditions and intervals is required from the celery studies (MRIDs 00034043, 00093529, and 00093548). If the storage intervals for celery samples from these studies exceeded 37 months, or if

storage conditions differed from those represented in the storage stability studies, additional storage stability data or new crop field trials may be required.

- ii. To support the field rotational crop study (MRID 45190601), storage stability data are required reflecting the stability of residues of prometryn in samples of beet root and wheat hay, or straw stored frozen for up to 20-24 months.
  - e. Guideline 860.1500: Crop Field Trials – Carrot  
Three additional carrot trials are required in NAFTA Zones 5, 10, and 11 reflecting application according to the maximum proposed use pattern, including use of a surfactant; one of the trials should generate residue decline data.
  - f. Guideline 860.1900: Field Accumulation in Rotational Crops  
Additional information is required concerning the soil characteristics and sample harvest and handling procedures at the CA and MS sites for the study reported in MRID 45190601.
  - g. Guideline 870.6200: Acute & Subchronic Neurotoxicity
  - h. Guideline 870.7800: Immunotoxicity
2. You will submit and/or cite all data required for registration/registration review of your product when the Agency requires all registrants of similar products to submit data.
  3. You will submit production information (in pounds or gallons produced) for this product for the fiscal year in which the uses on **Carrot, Celeriac, Cilantro, Okra, Parsley, and Leaf Petioles (Crop Subgroup 4B)** are conditionally registered, in accordance with FIFRA §29. The fiscal year begins October 1 and ends September 30. The production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

This information must be submitted to:

Mr. Owen F. Beeder  
U.S. Environmental Protection Agency  
Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

4. You must make the following changes to the labeling:
  - a. Change the heading from “INERT INGREDIENTS” to “OTHER INGREDIENTS”.

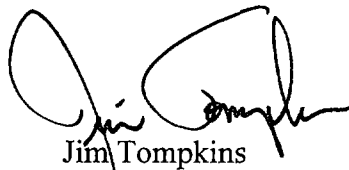
- b. On page 1, revise the use sites in alphabetical order.
- c. On pages 1 & 10, change the use site from “fennel” to “Florence fennel”.
- d. Change the restricted entry interval (REI) to 12 hours for all crops.
- e. Change the heading from “GENERAL INFORMATION” to “PRODUCT INFORMATION”.
- f. Due to the importance of resistance management to a long-term pest-management strategy, it is suggested that resistance management grouping symbols and statements be included on the labeling as described in PR Notice 2001-5.
- g. On page 5 under Cotton, revise the sentence to “Prometryn 4L may be applied...as **directed** in the following tables.”
- h. On pages 5 & 6 under Precautions, revise the sentence to “If tank mixed, follow precautions and label **directions** for use rates of product to be tank mixed.”
- i. On pages 10-12, change the heading from “Precautions” to “Restrictions”.
- j. Under Leafy Petioles, Carrots, Celeriac, Cilantro, Dill, Okra, Parsley, and Pigeon Peas, add the restriction “Do not apply aerially.”
- k. Throughout the label, change all instance of the crop from “celery” to “leafy petiole crop subgroup 4B”.
- l. Revise the application rates under Carrots, Celeriac, Cilantro, and Okra, to include the amount of product in pints per acre.
- m. On page 11 under Celeriac, revise the directions to read “Make one **postemergence** broadcast application at the rate of up to **1 gal (4 lbs active ingredient)** per acre to **celeriac up to the 6- to 8-leaf stage.**”
- n. On page 11 under Cilantro, revise the directions to read “Make **one preemergence** broadcast application at the rate of up to **3.2 pts (1.6 lbs active ingredient)** per acre.”
- o. On page 12 under Parsley, retain the restriction “California Only” since the directions given is only allowed in CA. Revise the directions to read “**Make one preemergence broadcast application at the rate of 2 to 4 pts (1 to 2 lbs active ingredient)** per acre in a minimum of 20 gallons of water **up to 14 days after planting** but before parsley emerges.”

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- p. On page 14, revise the first bullet to "Mix in clean supply tank the ~~recommended~~ **directed** amount of this product for acreage to be covered and needed quantity of water."
  
- q. On page 14, revise the seventh bullet to "Do not overlap application. Follow ~~recommended~~ **directed** label rates, application timing, and other directions, ~~and~~ precautions, **and restrictions** for crop being treated."

A stamped copy of your label is enclosed for your records. This label supercedes all previously accepted labels. You must submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after eighteen (18) months from the date of this letter or the next printing of the label, whichever occurs first, must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Sincerely,



Jim Tompkins  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)

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# PROMETRYN 4L

## Herbicide

For Agricultural or Commercial Use Only. Not for use by homeowners.

For selective weed control in cotton, carrot, celeriac, cilantro, leafy petioles (cardoon, celery, Chinese celery, celtuce, fennel, Rhubarb, Swiss chard), parsley, dill, okra, and pigeon peas

<b>ACTIVE INGREDIENT:</b>	<b>% BY WT.</b>
Prometryn: 2,4-bis (isopropyl-amino)-6-(methylthio)-s-triazine .....	44.0%
<b>INERT INGREDIENTS:</b> .....	<b>56.0%</b>

**TOTAL** 100.0%  
 ACCEPTED  
 with COMMENTS  
 in EPA Letter Dated  
**JAN - 5 2010**

Contains 4 lbs. active ingredient per gal.  
 Shake well before using.  
**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

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

66222-15

#### 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> </ul>                             |
| <b>IF IN EYES:</b>             | <ul style="list-style-type: none"> <li>• Do not give anything by mouth to an unconscious person.</li> <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> </ul>                    |
| <b>IF INHALED:</b>             | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor for treatment advice.</li> <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> </ul>                       |
| <b>IF ON SKIN OR CLOTHING:</b> | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor for further treatment advice.</li> <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> |

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.

#### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Do not breathe vapor or spray mist. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling.

#### ENVIRONMENTAL HAZARDS

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 contaminate water when disposing of equipment wash water or rinsate. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

##### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of waterproof materials such as butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, or neoprene rubber ≥ 14 mils

##### In addition, mixers and loaders supporting aerial applications must wear:

- Chemical-resistant apron
- Any NIOSH approved particulate filter respirator with the approval number prefix TC-84A.

#### NET CONTENTS: 2.5 GALLON(S)



Manufactured for:  
 Makhteshim Agan of North America, Inc.  
 4515 Falls of Neuse Rd., Suite 300  
 Raleigh, NC 27609

EPA Reg. No. 66222-15  
 EPA Est. No. [REDACTED]

<b>FIRST AID</b>	
<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 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 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>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOT LINE NUMBER</b> For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call <b>1-800-888-8372</b>	

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**PRECAUTIONARY STATEMENTS**

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**Hazards to Humans and Domestic Animals**

**CAUTION**

Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Harmful if absorbed through skin. Wash thoroughly with soap and water after handling.

**Personal Protective Equipment (PPE)**

Formulators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves made of any waterproof materials, such as butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, or neoprene rubber  $\geq 14$  mils.

**Environmental Hazards**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters, unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

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**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

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**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 should 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. All such risks shall be assumed by Buyer and User, and 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. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **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.

Only for formulation into a herbicide for the following uses: carrot, celeriac, cilantro, cotton, leafy petioles crop subgroup 4B, okra, parsley, pigeon peas, and rhubarb.

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### STORAGE AND DISPOSAL

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

#### **Pesticide Storage**

Store in a dry place.

#### **Pesticide Disposal**

Pesticide wastes may be toxic. Improper disposal of unused pesticide or rinsate is a violation of federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

#### **Container Disposal**

Completely empty bag into equipment. This is a reusable bag. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than Prometryn Technical. Reseal and return the container to an authorized Syngenta refilling facility. If the container is not to be refilled, triple rinse (or equivalent) and offer for recycling or reconditioning or puncture and 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.

For minor spills, follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

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### CHEMICAL AND PHYSICAL PROPERTIES

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Please refer to Prometryn Technical Bulletin.

**LABELING FOR FORMULATED PRODUCTS**

This product may be used to formulate product for specific use(s) not listed on the Manufacturing Use Product (MP) label of the formulator, use group, or grower has complied with the U.S. EPA requirements regarding support of such use(s).

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For non-emergency (e.g., current product information), call  
Syngenta Crop Protection at 1-800-334-9481.

Syngenta Crop Protection, Inc.  
Greensboro, North Carolina 27409  
[www.syngenta-us.com](http://www.syngenta-us.com)

SCP 542A-L9H 1203 (Product ID. 50361)

	December 18, 1987
Revised	August 30, 1988
Revised	October 5, 1992
Revised	May 25, 1993
Revised	September 9, 1996
	(change size of label)
Revised	June 20, 1997
	(Syngentaize)
Revised	May 14, 1999
Revised	December 7, 1999
Syngenta Format	September, 2002
First Aid	August 2003