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42519-3

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OCT 7 1997

E. M. Bellet, Ph.D.  
Consultant / Luxembourg-Pamol, Inc.  
5100 Poplar Avenue, Suite 2746  
Memphis, TN 38137

Gentlemen:

Subject: Revised Labeling  
Target MSMA 6 Plus  
EPA Registration No. 42519-3  
Your Submission Dated September 26, 1997

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

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- In the Environmental Hazards section you may delete "Do not contaminate waters used by animals, wildlife or aquatic life, or water used for domestic or irritation purposes". This statement is not required.

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,



for James A. Tompkins  
Product Manager (25)  
Herbicide Branch  
Registration Division (7505C)

Enclosure

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# Target MSMA 6 Plus

## MSMA Plus Surfactant For Postemergence Weed Control

<b>ACTIVE INGREDIENT:</b>		
Monosodium Acid Methanearsonate (MSMA)*	.....	48.30%
<b>INERT INGREDIENTS:</b>	.....	51.70%
<b>TOTAL:</b>	.....	100.00%

Total arsenic (as elemental), all in water soluble form. . . . . 22.30%

\*Product contains 6.0 lbs MSMA per gallon

**Keep Out of Reach of Children**  
**CAUTION**  
**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF IN EYES:** Immediately flush eyes with plenty of water and get medical attention.

**IF ON SKIN:** Immediately wash skin with plenty of soap and water. If irritation develops, seek medical attention.

**IF INHALED:** Remove victim to fresh air.

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

FOR CHEMICAL SPILL, LEAK, FIRE OR  
EXPOSURE CALL TOLL FREE:  
**1-800-424-9300**

**AGRICULTURAL CHEMICAL**  
DO NOT SHIP OR STORE WITH FOODS, FEEDS,  
DRUGS OR CLOTHING

EPA Reg. No. 42519-3

EPA Est. No. 42519-JSR-1

**Net contents: 2.5 Gallons**



Manufactured for:  
**LUXEMBOURG-PAMOL, INC.**  
5100 Poplar Avenue, Suite 2746  
Memphis, Tennessee 38137, U.S.A

3/570601

**ACCEPTED**  
*With Comments*  
OCT 7 1997

*Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 42519-3*

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system. Do not apply this product in a way that will contact workers or other persons, either directly or through spray drift. Only protected handlers may be in the area during application.

**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 in 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 (WPS).

Do not enter or allow worker entry into treated areas during restricted entry interval (REI) of 12 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
- waterproof gloves
- shoes and socks
- protective eyewear
- chemical resistant head gear for overhead exposure

**Non-Agricultural Use Requirements**

The requirements in this box apply to uses of this product that are NOT within the scope of the WPS for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, nurseries, or greenhouses. Keep children and domestic animals off treated areas until this material has been washed into the soil. The area being treated must be vacated by unprotected persons.

**STORAGE AND DISPOSAL**

**STORAGE:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not store this product near fertilizers, seeds, insecticides, or fungicides. Do not store near heat or open flame. Freezing point of this product is approximately -5°F. If stored below freezing point, warm to 50°F and agitate thoroughly before using. Containers should not be stacked more than six (6) high. Reclose all partially used containers by thoroughly tightening screw cap. Opened, partially used pesticides should be stored in original labeled containers when possible. When transfer to another container is necessary because of leakage or damage, carefully mark and identify contents of the new container. Absorb any spills with a suitable clay absorbent and dispose of as indicated under "Pesticide Disposal". For safety and prevention of unauthorized use, all pesticides should be stored in locked facilities. To prevent accidental misuse, different pesticides should be stored in separate areas with enough distance between them, to provide clear identification.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use 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.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent), adding rinsate to spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**PRECAUTIONARY STATEMENTS**

**CAUTION**

**Hazards to Humans and Domestic Animals**

Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes, and clothing. In cases of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation occurs.

**PERSONAL PROTECTIVE EQUIPMENT**

**Applicators and other handlers must wear:**

- Long sleeved shirt and long pants
- Waterproof gloves
- Shoes and socks
- Protective eyewear
- Chemical resistant apron when cleaning equipment, mixing or loading
- For exposure in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).
- For exposure outdoors, a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

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

**User Safety Recommendations**

**User should:**

- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

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 by disposal of equipment washwaters, or water used for domestic or irrigation purposes. Do not apply when weather conditions favor drift from target area.

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**GENERAL INFORMATION**

Target MSMA 6 Plus is a postemergence herbicide for use on cotton, ornamental turf, non-bearing fruit, nuts and non-crop areas. Target MSMA 6 Plus contains a surfactant (wetting agent) in proper ratio for best results. It is not necessary to add additional surfactant to the spray tank. Local conditions and recommendations vary. Consult agricultural experiment station or extension service weed specialists for recommendations in your area.

A partial list of weeds controlled with Target MSMA 6 Plus includes: Barnyardgrass, Brachiaria spp., Chickweed, Cocklebur, Crabgrass, Dallisgrass, Goosegrass, Johnsongrass, Nutsedge, Pigweed, Puncture vine, Sandbur.

**MIXING INSTRUCTIONS:**

Fill the spray tank with half the required amount of water and with pump or agitator operating, add the recommended amount of Target MSMA 6 Plus, continue filling the tank with the balance of water and mix thoroughly.

Do not store spray solution in tank overnight. Clean application equipment thoroughly after use by flushing with water in a safe place.

**APPLICATION METHODS:**

Target MSMA 6 Plus should be applied with a low-pressure, properly calibrated sprayer having satisfactory pumping and bypass action. ADJUST NOZZLES TO KEEP SPRAY OFF COTTON FOLIAGE AND IN A MANNER TO ALLOW MAXIMUM COVERAGE OF WEEDS. Adequate coverage is very important for effective weed control. Apply during warm weather and when weeds are in an active stage of growth.

**COTTON:**

Target MSMA 6 Plus is useful as a directed postemergence spray for control of the weeds listed above. Mix Target MSMA 6 Plus at the rate of 2 1/2 pints in 40 gallons of water for application as a DIRECTED broadcast spray to one acre when weeds are small. For band application, apply 1 gallon of above diluted spray per acre for each 1 inch of band width to be treated of cotton grown in 40 inch rows spacing. A second or repeat application, if needed, should be timed about 1 to 3 weeks after the first application. Keep spray off cotton foliage. APPLY ONLY WHEN COTTON IS 3 INCHES HIGH TO FIRST BLOOM. DO NOT APPLY AFTER FIRST BLOOM.

DO NOT FEED TREATED FOLIAGE TO LIVESTOCK OR GRAZE TREATED AREAS. Slight buring and a reddish discoloration of cotton foliage may occasionally be seen following the recommended treatment; however cotton plants will develop normally and yield will not be affected.

**Emergency Preplant Application:**

When planting of cotton to prepared seedbeds has been delayed and weeds have emerged, one application of Target MSMA 6 Plus at the above rate can be made prior to seeding.

Do not feed treated foliage to livestock or graze treated areas.

NOTE: Applications to cotton in Florida should be confined to band treatments.

**ORNAMENTAL TURF GRASS:**

Target MSMA 6 Plus can be used for selective control of bahiagrass, barnyardgrass, chickweed, smolch and large crabgrass, dallisgrass, nutsedge, sandbur and wood sorrel with little or no injury to well-established, actively-growing turf grasses. Mow turf grass to height of 1 to 1 1/2 inches before treatment. Mix 1 fluid ounce (2 tablespoons) of Target MSMA 6 Plus in 5 gallons of water for application to an area of 1,000 square feet. Application should be uniform and thorough to adequately wet all undesirable plants. Two or more repeat treatments at 14 day intervals may be necessary. Make application during warm weather when temperature is between 80 and 90°F. DO NOT water turf for at least 24 hours after application. Turf grasses may be temporarily discolored. Bermudagrass, bluegrasses and zoysiagrass have shown tolerance to properly applied Target MSMA 6 Plus. Injury may result if applied to bent grasses and fescues. DO NOT apply to St. Augustinegrass, carpetgrass, centipede grass or to Dichondra. DO NOT reseed until 2 weeks after last application.

**NON-BEARING FRUITS AND NUTS:**

Target MSMA 6 Plus is effective as a directed post emergence spray for control of the above listed weeds in non-bearing almond, walnut, grapefruit, lemon, lime, orange and tangerine orchards and plantings of non-bearing apples, cherries, peaches, pears, plums and prunes. Mix at a rate of 2 1/2 pints Target MSMA 6 Plus in 100 gallons of water and apply to point of run-off. Application should be made when weeds are small, during warm weather and when conditions are favorable for good weed growth. If regrowth occurs, repeat applications should be made but not more than three applications per year. DO NOT allow spray solution to contact foliage, stems or bark of trees or vines. DO NOT use around trees or vines from which crops will be harvested within one year. In Florida use only as a spot treatment.

**NON-CROP:**

Target MSMA 6 Plus is effective in controlling the above listed weeds and many similar weeds on drainage ditchbanks, fence rows, rights of way, storage yards, and similar non-crop areas. Application should be made when weeds are small and conditions are favorable for good weed growth. Mix at a rate of 2 1/2 to 2 3/4 pints of Target MSMA 6 Plus in 40 gallons of water. Spray undesirable vegetation thoroughly to point of run-off. Adequate coverage and complete wetting of foliage is important for effective control. Repeat application may be necessary if regrowth occurs. Do not apply with hose-end applicators.

**WARRANTY - CONDITION OF SALE**

OUR RECOMMENDATIONS FOR USE of this product are based upon field use and tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. In no case shall Luxembourg-Pamol, inc. or the Seller be liable for consequential, special, or indirect damages resulting from the use of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by Luxembourg-Pamol, Inc. and is accepted as such by the buyer.

Manufactured by Luxembourg Industries (Pamol) Ltd.  
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