



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (17505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

9779-319

Date of Issuance:

NOV 30 1993

Term of Issuance:

Conditional

Name of Pesticide Product:

Fluometuron + MSMA

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Riverside/Terra Corporation
600 Fourth Street
P.O. Box 6000
Sioux City, IA 51101

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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 9779-319".
 - b. Under **PRECAUTIONARY STATEMENTS**, do not delete the last two sentences "Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse." These sentences should remain on the label.
 - c. Modify the **ENVIRONMENTAL HAZARDS** section to read "This product is toxic to wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark."
3. Submit two copies of the revised final printed label before you release your product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Signature of Approving Official.

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Date:

11-29-93

NOV 30 1993

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registration under EPA Reg. No. 9779-319

R*

Fluometuron + MSMA

Herbicide without surfactant for control of weeds in cotton

ACTIVE INGREDIENTS

Fluometuron: 1,1-dimethyl-3-(a,a,a-trifluoro-m-tolyl) urea.....	13.2%
Monosodium acid methanearsonate*	27.6%
INERT INGREDIENTS.....	59.2%
TOTAL	100.0%

*Total arsenic, as elemental, all in water soluble form, 12.7%. Contains 2 lbs. Cotoran® 80W and 3.3 lbs. MSMA (6 lbs. DSMA equivalent) per gal.

~~STOP READ LABEL BEFORE USING.~~

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

- IF ON SKIN: Wash with plenty of soap and water. Get medical attention.
- 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: Flush with plenty of water. Call a physician.
- IF INHALED: Move victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

See additional PRECAUTIONARY STATEMENTS below.

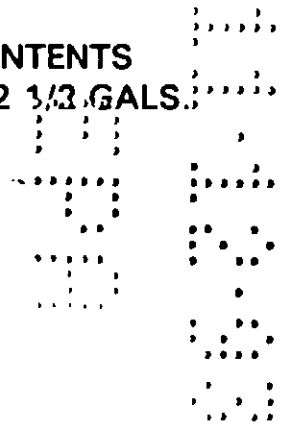
EPA Reg. No. 9779-

EPA Est. No. 9779-AR-1

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NET CONTENTS
2 1/2 GALS.

Manufactured For
RIVERSIDE/TERRA CORPORATION
Terra Centre, 600 Fourth Street, Sioux City, Iowa 51101
Riverside Serves Agriculture. Agriculture Serves Everyone.



PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed, absorbed through skin or inhaled. Causes eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust (vapor or spray mist). ~~Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.~~

Applicators and other handlers (other than mixers and loaders) must wear long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear.

Mixers and Loaders must wear long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, protective eyewear, and chemical-resistant apron when mixing or loading. For exposures outdoors, wear 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-14). For exposures in enclosed areas, wear 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.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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. Do not wash contaminated clothing back on. Remove all contaminated clothing immediately. Wash the outside of shoes before re-entry. Do not eat, drink, or use tobacco. Wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to wildlife. Do not apply directly to any body of water. Do not contaminate water when disposing of equipment washwaters.

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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 through any type of irrigation system.

Do not apply this product in a way that will drift onto workers or other persons at the time of application. 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), notification to workers, 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, waterproof gloves, shoes plus socks and protective eyewear.

PROTECTIVE CLOTHING

~~Wear protective clothing when handling or applying this product including long pants, long sleeve shirt, and impermeable gloves and boots. Mixer loaders should include an apron and full face shield when handling or mixing concentrate. Applicators should wear a mask or respirator approved by the Mining, Enforcement and Safety Administration and the National Institute for Occupational Safety and Health.~~

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

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STORAGE

Store in a dry location away from children, animals, foods, feeds, seeds, and other agricultural chemicals. Handle in accordance with information given under **PRECAUTIONARY STATEMENTS**. In the event of spillage or leakage, soak up material with absorbent clay, sand, sawdust, or other absorbent material. Scrape up and dispose of in accordance with information given under **DISPOSAL**. Repackage and relabel useable product in a sound container. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

DISPOSAL

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

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

GENERAL INFORMATION

Shake well before using. Use entire contents at one time.

Fluometuron + MSMA is effective for postemergence control of broadleaf and grass weeds in cotton, such as:

GRASS WEEDS

Barnyardgrass	Dallisgrass	Johnsongrass
Brachiaria spp.	Fall panicum	Nutgrass
Crabgrass	Foxtail	Ryegrass
Crowfootgrass	Goosegrass	Sandbur

BROADLEAF WEEDS

Buttonweed	Morningglory	Purslane
Cocklebur	Pigweed	Ragweed
Florida pusley	Prickly sida	Sesbania
Goathead	(ironweed or	Sicklepod
Jimsonweed	teaweed)	Smartweed
Lambsquarters	Puncturevine	Tumbleweed

BAND TREATMENT

For band applications, the following formula may be used to calculate the amount of Fluometuron + MSMA required:

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$$\frac{\text{band width (inches)}}{\text{row width (inches)}} \times 0.5 \text{ gal.} = \text{gals. needed}$$

per acre per acre

EQUIPMENT

Use conventional spray equipment with 80° fan-type nozzles. Screen size should be 50-mesh. After use, clean equipment thoroughly.

MIXING INSTRUCTIONS

Fluometuron + MSMA is a highly concentrated formulation and should be thoroughly shaken before mixing. Pour recommended amount of Fluometuron + MSMA into nearly filled spray tank or premix in a bucket half filled with water and pour mixture into nearly filled spray tank. By-pass agitation should terminate at the bottom of the tank to minimize foaming. Avoid leaving spray mixture in tank without constant agitation. Do not add surfactant to the mix or damage may result.

Apply Fluometuron + MSMA at the broadcast rate of ½ gal. per acre in 24 to 40 gals. of water per acre. Direct spray to the base of the cotton plants, avoiding the cotton foliage. Apply only when cotton is 3 inches high to first bloom. Best results are obtained when applied to young, actively growing weeds at air temperatures above 70°F.

PRECAUTIONS: Do not make more than two applications of Fluometuron + MSMA to the same crop or field in any one year.

Slight burning and a reddish discoloration of the cotton leaf may occur occasionally following treatment with products containing MSMA, but the cotton plants will develop normally.

West of Texas only: Do not use this product on sand, loamy sand, or fine sandy loam soils.

Keep children and livestock off treated areas until this material has been washed into the soil. Do not graze treated field or feed plants or gin trash from treated areas to livestock. Do not plant crops other than cotton within six months after last application.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller and Buyer, assumes the risk of any such use.

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