



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

AUG 6 1998

Steven Rogosheske  
Riverside/Terra Corporation  
600 Fourth Street  
P.O. Box 6000  
Sioux City, IA 51102-6000

Subject: 120 Herbicide  
EPA Registration Number 9779-96  
Your submission dated July 23, 1997

Dear Mr. Rogosheske:

The label amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable, provided that you adhere to the following requirements:

1. On page 3, change the third paragraph from the bottom to the following (to remove "and similar non-crop areas"):

NON-CROP: 120 HERBICIDE is useful for controlling crabgrass, cocklebur, dallisgrass, goosegrass, johnsongrass, morningglory, nutsedge, pigweed, ragweed, watergrass, and similar weeds on drainage ditchbanks, rights-of-way, and storage yards.

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

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

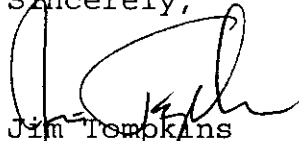
A stamped copy of the label is enclosed for your records.

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Note that there is a blank line in the middle of the fourth paragraph from the top of page 3 of the label that you may wish to remove.

If you have any questions about this letter, please contact Tobi Colvin-Snyder of my staff at 703-305-7801.

Sincerely,



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

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**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

**AUG 6 1998**

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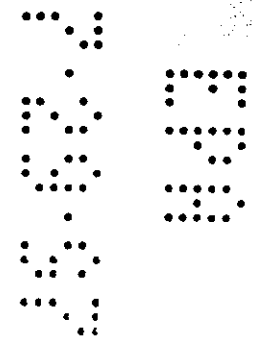
**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.**

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**120 HERBICIDE**

9779-96

Contains 6.6 pounds of MSMA per gallon without surfactant



<b>ACTIVE INGREDIENT</b>	
Monosodium Acid Methanearsonate*	51.0%
<b>INERT INGREDIENTS</b>	<u>49.0%</u>
<b>TOTAL</b>	<b>100.0%</b>

Total arsenic (as elemental) all in water soluble form 23.7%

\*Product contains 6.6 pounds of 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, or if available by administering syrup of ipecac. If person is unconscious, do not give anything by mouth and do not induce vomiting.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

**PRECAUTIONARY STATEMENTS**

**CAUTION**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

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

**Personal Protective Equipment:**

Applicators and other handlers (other than mixers and loaders) must wear long-sleeved shirt and long pants, waterproof gloves, and chemical-resistant footwear plus socks. For exposures outdoors, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). For exposures in enclosed areas, use 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).

Mixers and Loaders must wear long-sleeved shirt and long pants, waterproof gloves, chemical-resistant footwear plus socks, protective eyewear, and chemical-resistant apron when mixing or loading. For exposures outdoors use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). For exposures in enclosed areas, use 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).

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.

**Read Additional PRECAUTIONARY STATEMENTS.**

EPA Reg. No. 9779-96

EPA Est. Nos. 9979-AL-1<sup>M</sup>, 9779-AR-1<sup>P</sup>  
(Lot no. indicates establishment)

Manufactured For  
**TERRA INTERNATIONAL, INC.**  
P.O. Box 6000, Sioux City, Iowa 51102-6000  
*Riverside Serves Agriculture. Agriculture Serves Everyone.*

**NET CONTENTS**

9/G23/7

**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. 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, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment washwaters. Do not contaminate waters used for domestic consumption or by animals, wildlife, and aquatic life, or water for irrigation purposes.

**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.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

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.

**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 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, chemical-resistant footwear 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.

Keep unprotected persons and pets out of treated areas until sprays have dried.

**STORAGE AND DISPOSAL****DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL****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:** Triple rinse (or equivalent). 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.

**GENERAL INFORMATION:** 120 HERBICIDE is useful for selective post-emergent weed control, particularly for grassy weeds. Best results are obtained on young, actively growing weeds at air temperatures above 70°F.

**MIXING INSTRUCTIONS:** 120 HERBICIDE must be thoroughly mixed. Fill the spray equipment reservoir about half full with water and add the required amount of herbicide with agitation. Finish filling the reservoir with water and apply. After use, clean equipment thoroughly by flushing with water. Do not store spray solution in tanks for a prolonged period.

**COTTON:** 120 HERBICIDE is useful as a directed spray application to weeds in cotton for post-emergent control of grasses and broadleaved weeds, including barnyardgrass, crabgrass, cocklebur, Dallisgrass, foxtail, goosegrass, Johnsongrass, morningglory, nutsedge, pigweed, puncturevine, ragweed, sandbur, and watergrass.

120 HERBICIDE should be applied with a low volume sprayer having satisfactory pumping and bypass action. Nozzles should be placed so as to give good coverage of the weeds and grasses. Proper coverage is very important. Mix at a rate of 3 pints of

120 HERBICIDE plus 1 quart ACTIVATE PLUS, or comparable surfactant, in 50 gallons of water to form the spray solution. Apply at a broadcast rate of 40 gallons of this solution per acre.

**PREPLANT APPLICATION:** If planting of cotton has been delayed and weeds have emerged, use one preplant application. Apply the spray solution at a broadcast rate of 40 gallons per acre. Cotton may be planted immediately following the preplant application.

**DIRECTED APPLICATION:** Direct the spray solution to the base of the cotton plant. Nozzles should be placed so as to avoid spraying the cotton foliage, but to give good coverage of the weeds and grasses. Apply the spray solution at a broadcast rate of 40 gallons per acre. For band application, apply at a rate of 1 gallon of the spray solution per 1 inch of band width to be treated on the cotton grown in 40 inch rows. A second application may be required during humid growing conditions. Time the second application, if necessary, about 1 to 3 weeks after the first application.

Slight burning and a reddish discoloration of the cotton leaves may occasionally occur following the recommended treatment, but the cotton plant will develop normally.

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 fields.

**AGRICULTURAL PLANTINGS:** 120 HERBICIDE is useful as a directed application in non-bearing grape vineyards and in non-bearing deciduous fruit, nut and citrus orchards, for the following crops: almond, apple, apricot, cherry, grapefruit, lemon, lime, orange, peach, pear, plum, prune, and tangerine orchards. For this label, the term "non-bearing" is defined as a crop which is not expected to bear fruit for at least one year. It should be applied at the rate of 1/3 to 1/2 gallon per acre.

Mix 120 HERBICIDE at the rate of 1/3 gallon plus 1 quart ACTIVATE PLUS, or a comparable surfactant cleared by EPA for use on these crops in 50 gallons of water. Apply as a directed spray in interspaces and around bases of trees or vines. Spray unwanted vegetation to just short of run-off. If regrowth occurs, reapply as required. However, do not exceed 3 applications per year.

Do not allow spray solution to contact leaves, stems, or bark. Use a shield, if necessary, for nursery plantings or young trees. Do not apply around trees or vines from which fruit will be harvested within one year of treatment.

**LAWN AND ORNAMENTAL TURF:** 120 HERBICIDE is useful for the control of Dallisgrass, sandbur, bahiagrass, nutsedge, barnyardgrass, chickweed, and wood sorrel with little or no injury to good lawn grasses. On new lawns, do not treat until after three mowings. Good grasses may be temporarily discolored. Zoysia, bluegrass, and bermuda are quite tolerant. Do not use on St. Augustine or centipede. Mow lawns 1 to 1 1/2 inches high before treatment. Mix 1 fluid ounce (2 tablespoons) of 120 HERBICIDE and 1/2 fluid ounce (1 tablespoon) of ACTIVATE PLUS or a comparable surfactant cleared by EPA for use on lawn and turf in 5 gallons of water and apply to an area of 1,000 square feet. Spray thoroughly to wet all undesirable plants. Repeat applications, 10 to 14 days apart, may be needed for good control. Do not apply with hose-end applicators.

**NON-CROP:** 120 HERBICIDE is useful for controlling crabgrass, cocklebur, Dallisgrass, goosegrass, Johnsongrass, morningglory, nutsedge, pigweed, ragweed, watergrass, and similar weeds on drainage ditchbanks, rights-of-way, storage yards and similar non-crop areas.

Mix 120 HERBICIDE at the rate of 2 quarts plus 1 quart ACTIVATE PLUS, or a comparable surfactant cleared by EPA for use on the specified non-crop areas in 50 gallons of water. Spray the unwanted vegetation thoroughly to the point of run-off. Any spray equipment that gives good coverage may be used. If regrowth occurs, retreat as required.

**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.