

PM 25

51036-158

Labeling

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

1993
NOV 29 1996

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Morris Gaskins
MICRO-FLO CO.
P. O. Box 5948
Lakeland, FL 33807

Subject: Label Amendment Submission of 06/04/93 in Response to PR Notice 93-7
EPA Reg. No. 51036-158
MICRO FLO ATRAZINE 4FL

IMPORTANT NOTICE: This Letter Requires You to Submit a Notification to the Office of Compliance Monitoring within 20 Days.

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments listed on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

SERIOUS ERROR(S) ON SUBMITTED LABELING:

EPA has determined that one or more of the errors on the labeling you submitted to the Agency is categorized as "serious" as defined in PR Notice 93-11. In general, serious errors are those that may create a potential for harm to workers, handlers, other persons, or the environment; or those that prevent the achievement of the basic goals of the Worker Protection Standard (WPS) or FIFRA.

YOU MUST NOT SELL OR DISTRIBUTE (INCLUDING RELEASE FOR SHIPMENT) ANY PRODUCT BEARING THE SUBMITTED LABELING. Sale or distribution of any product with the incorrect labeling is a violation of FIFRA that could result in initiation of an action for civil penalties and/or cancellation of your product. This matter has been referred to the Office of Compliance Monitoring (OCM) for further action.

YOU MUST SUBMIT A NOTIFICATION TO THE OFFICE OF COMPLIANCE MONITORING WITHIN 20 DAYS OF THE DATE OF THIS LETTER.



Recycled/Recyclable
Printed with Soy/Candle Ink on paper that
contains at least 50% recycled fiber

Each notification must include the following information:

1. Registrant's name and address.
2. EPA Registration number of the product for which the labeling was submitted.
3. Whether any product already has been sold or distributed (this includes released for shipment) bearing the submitted labeling.

In addition, the notification must include the following information, IF you have already sold or distributed any product bearing the submitted labeling:

1. Quantity of the product that has been sold or distributed.
2. EPA Producing Establishment number.
3. Location of the product, if known.
4. Proposed plan for assuring that product with the incorrect labeling in your control, as well as that in the hands of dealers/distributors/users, will be corrected. The plan must include your proposal for assuring that the labeling is corrected as soon as possible.

Submit the notification to:

Michael Wood, Director
Compliance Division, (7203)
Worker Protection Notification
Office of Compliance Monitoring
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460

Failure to submit a notification also may result in initiation of an action under FIFRA for civil penalties, if you sold or distributed (this includes released for shipment) product bearing the incorrect labeling.

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IN ADDITION, YOU SHOULD CONTACT IMMEDIATELY THE PERSONS TO WHOM YOU SOLD OR DISTRIBUTED YOUR PRODUCT AND INFORM THEM NOT TO SELL OR DISTRIBUTE ANY PRODUCT WITH THE INCORRECT LABELING.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the WPS labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have neither been reviewed nor accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Submit the required notification. Then by the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- **BEFORE** selling or distributing any product bearing the final printed labeling as amended

AND

- **WITHIN** one year from date of this acceptance.

Submit the final printed labeling via the U.S. Postal Service to:

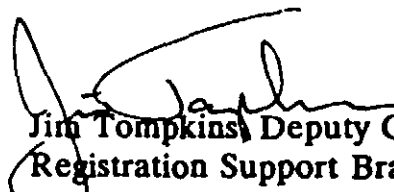
**Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001**

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Hand or courier deliveries of final labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch,
Registration Division (7505W)

Attachment

cc: Office of Compliance Monitoring

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**RESTRICTED USE PESTICIDE
DUE TO GROUND AND SURFACE WATER CONCERNS**

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OF PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

THIS PRODUCT IS A RESTRICTED USE HERBICIDE DUE TO GROUND AND SURFACE WATER CONCERNS. USERS MUST READ AND FOLLOW ALL PRECAUTIONARY STATEMENTS AND INSTRUCTIONS FOR USE IN ORDER TO MINIMIZE POTENTIAL FOR ATRAZINE TO REACH GROUND AND SURFACE WATER.

MICRO FLO

ATRAZINE 4FL

For Season Long Weed Control In Corn, Sorghum and Certain Other Crops

ACTIVE INGREDIENTS:

Atrazine (2-chloro-4-ethylamino-6-isopropylamino-s-triazine) 40.80%

Related Compounds 2.20%

INERT INGREDIENTS: 57.00%

TOTAL 100.00%

Contains 4 pounds active ingredient 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 ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

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

EPA Reg. No. 51036-158

EPA Est. No. 51036-GA-1

Manufactured By

ACCEPTED
with COMMENTS
In EPA Letter Dated

NOV 29 1996/1993

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

51036-158

intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be applied aerially or by ground within 66 feet of the points where field surface water runoff enters perennial or intermittent streams and rivers or within 200 feet around natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66 foot buffer or set-back from runoff points must be planted to crop or seeded with grass or other suitable crop.

Do not apply this product through any type of irrigation system.

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 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.

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 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:

1. Coveralls
2. Waterproof gloves
3. Shoes plus socks
4. Chemical-resistant headgear for overhead exposure

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STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or 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 by other procedures approved by state and local authorities.

GENERAL INFORMATION

Atrazine 4L herbicide controls most annual broadleaf and grass weeds in corn, sorghum and certain other crops. Apply at the rates given under each crop before or after weeds emerge. Use lower rates on light soils and low organic matter soils. Use higher rates on heavy soils and high organic matter soils. Atrazine 4L acts mainly through root absorption so rainfall or irrigation is needed to move it into the root zone. Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control. Avoid using Atrazine 4L near adjacent desirable trees, shrubs, or plants, or injury may occur.

NOTE: Micro Flo Company does not recommend Atrazine 4L in combination with other herbicides or oils except as specifically described on the label. Atrazine 4L is non-flammable.

APPLICATION PROCEDURES

Atrazine 4L, a liquid formulation, should be mixed with water or liquid fertilizer and applied as a spray. Pour Atrazine 4L into the tank during or after filling. Hydraulic (jet) or mechanical agitation is recommended during mixing and application to keep the material in suspension. All return lines to the tank must discharge below liquid form in the liquid. Wash sprayer thoroughly after use.

Ground Application: Apply Atrazine 4L in 10 to 40 gallons of water per acre to assure even coverage unless otherwise specified. Use TeeJet 8002, 8003, or 8004 fan type or other appropriate nozzles with equal or greater size openings for broadcast applications. Use TeeJet 8002-E or 8004-E or similar nozzles for band applications. Screens in nozzles and in suction and in-line strainers should be no finer than 50-mesh. Use a pump with capacity sufficient to maintain 35-40 psi operating pressure.

Aerial Application: Use only where broadcast applications are specified. Apply a minimum of 1 gallon of water for each 2 pints of Atrazine 4L to be applied per acre. Do not apply where uniform coverage cannot be obtained or where excessive spray drift may occur. Avoid application directly to animals or humans. Flagmen or loaders should avoid inhalation of spray mist or contact with

skin and should wash thoroughly before eating and at the end of each day's operation. See Worker Safety section for required clothing.

Post-emergence Weed Control with Atrazine 4L plus Emulsifiable Oil in Water: The addition of oil to Atrazine 4L in water sprays may speed the activity of Atrazine 4L and provide quicker kill of weeds. However, under certain conditions the use of oil may seriously damage corn or sorghum. To minimize the possibility of damage, follow the directions, procedures, and precautions given below. For combining with Atrazine 4L, use a crop oil designated for use with Atrazine 4L containing at least 1% suitable emulsifier. Oils contaminated with water or other materials can cause compatibility problems and/or crop injury.

Post emergence application to corn and sorghum must be made before corn and sorghum reaches 12 inches in height.

EQUIPMENT PROCEDURES FOR ATRAZINE 4L AND EMULSIFIABLE OIL:

1. Thoroughly clean sprayer prior to use. Do not use sprayer contaminated with 2,4-D or other materials as crop damage or sprayer clogging may result.
2. Fill the spray tank with water, allowing for the addition of Atrazine 4L.
3. With the agitation system in operation, add the Atrazine 4L.
4. Add the emulsifiable oil last.
5. Empty the tank as completely as possible before refilling to prevent a buildup of oil in the tank. Keep the agitation system in operation to avoid a separation of the oil from the water in the spray mixture still remaining in the tank.
6. If an oil film starts to build up in the tank, drain the tank and clean out with a strong detergent solution or solvent.
7. Clean the sprayer thoroughly immediately after use by flushing the system with water containing a detergent.

NOTE:

1. Do not use oil in Atrazine 4L sprays when corn or sorghum is under stress from prolonged cold, wet weather, poor fertility, or other factors or when corn or sorghum is wet and succulent from recent rainfall as crop injury may occur.
2. Do not use oils in sprays when treating inbred lines or any breeding stock as injury may occur.
3. Adding other insecticides, herbicides, liquid fertilizers, or other materials is not recommended because they may cause compatibility problems or crop injury.
4. Store and handle emulsifiable oil carefully. Oil contaminated with even a small amount of water may not emulsify properly when added to the tank.
5. Do not make more than one application of Atrazine 4L and

emulsifiable oil in water per season.

6. All return lines to the tank must discharge below liquid level.

CORN

One application will control most annual broadleaf grass weeds such as barnyardgrass, witchgrass (Panicum capillare), yellow foxtail, green foxtail, wild oats, large (hairy) crabgrass, giant foxtail, velvetleaf, morningglory, lambsquarters, pigweed, ragweed, nightshade, purslane, and mustard. Atrazine 4L may be applied either before planting, at planting or after planting at the rate indicated below. For preplant and pre-emergence applications, nitrogen solutions or complete liquid fertilizers may replace all or part of the water as a carrier of Atrazine 4L. Do not apply after corn has emerged as there is danger of liquid fertilizers causing crop injury.

Preplant: Broadcast in the spring after plowing at the rate indicated below. Apply before, during, or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation of Atrazine 4L. Best results have been obtained when Atrazine 4L is applied within two weeks prior to planting.

Pre-emergence: Apply during or shortly after planting prior to weed emergence at the rate indicated below.

Post-emergence: Apply before weeds exceed 1 1/2 inches in height at the rate indicated below. Postemergence application to corn must be made before corn reaches 12 inches in height.

RATE PER ACRE OF ATRAZINE 4L

Soil band+ Texture gal	Broadcast in 10 to 40 gal. of water/A	20-inch band+ in 5 to 20 gal of water/A	13-inch in 4 to 14 of water/A
LIGHT SOILS: Sands, loamy sands, and sandy loams	3 pints	1 1/2 pints	1 pint
MEDIUM SOILS: Silt and clay loams that are low in organic matter	3 pints	1 1/2 pints	1 pint

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HEAVY SOILS:	3 pints	2 pints	1 1/3
pints Silt and clay loams with medium to high organic matter & clays			
Peats, mucks and pints high organic clays (Apply post-emergence)	4 pints	2 pints	1 1/3

+Based on 40-inch row spacing. For other band or row widths, adjust the rate in proportion to the area actually treated. Northern Nutgrass or Yellow Nutsedge (*Cyperus esculentus*) Control: Broadcast 4 pints per acre preplant, pre-emergence, or post-emergence before nutgrass is more than 1 1/2 inches high. If applied before nutgrass begins growth, cultivate within 2 to 3 weeks. If applied after nutgrass has emerged, cultivate within 10 to 14 days.

Quackgrass Control on Land Going Into Corn Production: Broadcast 4 pints per acre in the spring. Plow 1 to 3 weeks after application.

NOTE: Applications for quackgrass suppression in corn and sorghum are restricted to a spring application only. No fall applications are permitted.

Post-emergence weed control with Atrazine 4L plus emulsifiable oil in water:

Ground Application: Broadcast 4 pints of Atrazine 4L and 1 gallon of emulsifiable oil in 20 to 40 gallons of water per acre after emergence but before weeds reach 1 1/2 inches in height.

Aerial Application: Broadcast 4 pints of Atrazine 4L and 1/2 gallon of emulsifiable oil in no less than 5 gallons of water per acre after weed emergence but before weeds reach 1 1/2 inches.

REMINDER: Postemergence application to corn and sorghum must be made before corn and sorghum reaches 12 inches in height.

PRECAUTIONS

1. Do not apply more than 4 pints of Atrazine 4L to corn in any one year.
2. Land treated with Atrazine 4L should not be planted to any crop except corn until the following year or injury may occur.
3. Following harvest of a treated crop, plow (moldboard or diskplow) and thoroughly till the soil in fall or spring to minimize possible injury to rotational spring-seeded crops,

- regardless of the rate used.
4. If Atrazine 4L is applied after June 10, do not rotate with crops other than corn or sorghum the next year or injury may occur.
 5. In the High Plains and Intermountain areas of the West where rainfall is sparse and erratic or where irrigation is required, use Atrazine 4L to control weeds in corn only when corn is to follow corn or a crop of untreated corn or sorghum is to precede other rotational crops.
 6. In western Minnesota and eastern parts of the Dakotas, Nebraska, and Kansas, corn treated with Atrazine 4L should not be followed with soybeans if the broadcast rate applied was 4 pints per acre (or comparable rate in a band) or injury may occur.
 7. Do not plant sugar beets, tobacco, vegetables (including dry beans), spring-seeded small grains, or small-seeded legums and grasses the year following Atrazine 4L application or injury may occur.
 8. Do not graze treated or feed treated forage to livestock for 21 days following application.
 9. For postemergence applications, if there has been no previous soil application to that crop, the maximum rate is 2 lbs. a.i./acre (equivalent to 4 pints of 4L). If there has been a previous soil application to that crop, do not exceed a total of 2.5 lbs. a.i./acre.
 10. For soil applications prior to crop emergence (i.e., early preplant, preplant incorporated, preplant surface, at planting or preemergence) the following applies:
 - a.) On highly erodible soils, as defined by the Soil Conservation Service (SCS), if conservation tillage is utilized (>30% plant residue), the maximum rate is 2 pounds a.i./acre (equivalent to 4 pints of 4L). If plant residue is <30%, the maximum rate is 1.6 pounds a.i./acre (equivalent to 3.2 pints of 4L).
 - b.) On soils not highly erodible, the maximum rate is 2 pounds a.i./acre (equivalent to 4 pints of 4L).

TANK MIXTURES ON CORN

Dual* 6E: Use as tank mixture for control of certain broadleaf and grass weeds in corn. Refer to Dual 6E label for all directions, weeds controlled, precautions, and limitations.

Sim-trol 9DF or Sim-Trol 4L: Use as tank mixture for control of many annual weeds, including carpetweed, crabgrass, fall panicum, foxtail, lambsquarters, morningglory, pigweed, ragweed, and velvetleaf. Apply before planting, at planting, or after planting, but before crop and weeds emerge, at rates in Table 2A. Use 1:1 ratio for control of above weeds. Use 1:2 ratio for expected heavy infestations of crabgrass and fall panicum. Apply in a minimum of 20 gallons of water/A. Cultivate shallowly if weeds develop.

Preplant: Apply in spring during or after final seedbed

preparation. If soil is tilled or worked after application, avoid deep incorporation. For best results, apply within two weeks before planting.

Preemergence: Apply during or shortly after planting, but before crop and weeds emerge. Refer to Corn sections of this label and to Sim-Trol 9DF or Sim-Trol 4L label for further directions, limitations and cautions.

TABLE 2A
TANK MIXTURES WITH SIMAZINE ON CORN

RATIO** Soil Texture	1:1 RATIO*		1:2	
	This Product	Sim-Trol 9DF or Sim-Trol 4L	This Product	Sim-Trol 9DF or Sim-Trol 4L
Sand, loamy sand, 1.4 lb. sandy loam 2/3 pt.	2 pt.	1.1 lb. 2 pt.	1 1/3 pt.	2
Loam, silt loam, silt, clay loam, sandy clay loam, silty clay loam, 1.7 lb. sandy clay, or 1/3 pt. silty clay with low organic matter	2 1/2 pt.	1.3 lb. 2 1/2 pt.	1 2/3 pt.	3
Loam, silt loam, silt, clay loam, sandy clay loam, silty clay loam, sandy clay, or 2.1 lb. silty clay with 1/2 pt. medium to high organic matter, & clay (including dark prairie soils or the Corn Belt)	3 pt.	1.5 lb. 3 pt.	1 3/4 pt.	3

*For control of above weeds

**For control of expected heavy infestations of crabgrass and fall

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panicum

PREPLANT AND PRE-EMERGENCE APPLICATION
(IN EASTERN AND CENTRAL NEBRASKA AND NORTHEASTERN KANSAS ONLY)

BROADLEAF AND GRASS WEED CONTROL

RATE PER ACRE OF ATRAZINE 4L

	Broadcast in	20-inch band+
13-inch band+		
Soil	10 to 40 gals	in 5 to 20 gals
gals Texture	of water/A	of water/A
of water/A		in 4 to 14

Sand to sandy loams, eroded slopes and soils low in organic matter

DO NOT USE

Other soils	3	2	1
1/3			
(shallow incorpor-	pints	pints	
pints			
ation may improve			
control)			

+Based on 40-inch row spacing. When making band applications, reduce the broadcast rate per acre in proportion to the area treated.

Post-emergence: For the control of broadleaves and grasses, apply post-emergence applications of Atrazine 4L in no less than 10 gallons of water per acre at the rate indicated in the table below. Weeds should not exceed 1 1/2 inches in height at application.

POST-EMERGENCE APPLICATION++
(weeds should not be more than 1 1/2 inches high)
Postemergence application to sorghum must be

made before

sorghum reaches 12 inches in height.

Rate per acre of Atrazine 4L

Weeds to be Band controlled	Stage or height of sorghum at treatment	Broadcast in 10-40 gal of water/A	20" Band in 5-20 gal of water/A	13" in gal
4-14 and soil of texture				

water/A

BROADLEAF AND GRASS WEEDS

Sand or loamy sand

D O N O T U S E

Sandy loam

See broadleaf weeds below

Silt loam to

Silt loam to

1/3
sandy clay

pints
loam

Olton and Pull-

1/3
clay soils

pints

Completely

emerged

At least 6

inches high

4

pints

4

pints

2

pints

2

pints

1

1

BROADLEAF WEEDS

Sandy loams and

3/4 pt

heavier soils in

plus

Oklahoma, New

1/4 - 1/2

Mexico, Texas,

surfact. West Kansas,

Colorado and

desert regions

of Arizona and

California only

At least 6

inches high

2 1/2 pts

plus

3/4 - 1 1/2

pt surfact.

1 1/4 pts

plus

3/8 - 3/4

pt surfact.

pt

+Based on 40-inch row spacing. ++Up to "close-in" Post-emergence broadleaf weed control with Atrazine 4L plus emulsifiable oil in water (new Mexico, Oklahoma, and Texas only): Apply when sorghum is 6 to 10 inches high and before no higher than 12 inches. Treat broadleaf weeds before they reach 6 inches.

Ground Application: Broadcast 2 1/2 pints of Atrazine 4L and 1/2 to 1 gallon of emulsifiable oil in 20 to 40 gallons of water per acre.

Aerial Application: Broadcast 2 1/2 pints of Atrazine 4L and 1/2 gallon of emulsifiable oil in no less than 5 gallons of water per acre.

PRECAUTIONS

1. Heavy rains immediately following application tend to result in excessive concentrations of herbicide in seed furrow, resulting in possible crop injury. Applications to furrow-planted sorghum should not be made until furrows are leveled (plowed-in). Deep planter marks or seed furrows should also be leveled before application.
2. Application made to sorghum growing under stress caused by minor element deficiency or to sorghum growing on highly calcareous soils may result in crop injury.
3. Do not plant any rotation crops other than those specified in the Suggestions For Rotational Crops Section below for 18 months following application.
4. Do not graze or feed forage from treated areas for 21 days following application.
5. Following harvest of a treated crop, plow (moldboard or disk-plow) and thoroughly till the soil in fall or spring to minimize possible injury to rotational spring-seeded crops, regardless of the rate used.

SUGGESTIONS FOR ROTATIONAL CROPS

1. Sorghum or corn may be planted the year following treatment.
2. All other rotational crops may be planted 18 months after application.
3. When the broadcast rate used does not exceed 2 1/2 pints per acre, fall wheat may be planted 15 months after application.

TANK MIXTURES ON GRAIN SORGHUM Igran* 80W Use as tank mixture for control of certain broadleaf and grass weeds in grain sorghum. Refer to Igran 80W label for all directions, weeds controlled, precautions, and limitations.

SUGARCANE

For control of many annual broadleaf and grass weeds, including amaranths, crabgrass, fireweed, Flora's paintbrush, foxtails, junglerice and wiregrass: Broadcast 2 to 4 quarts in 20 to 50 gallons of water/A for adequate coverage of the soil surface at time of planting or ratooning, but before cane emerges. One additional application may be made over cane as it emerges, and two additional applications may be made interline after emergence as directed sprays. For control of emerged pellitory weed (Florida only): Apply 0.8 to 1.2 pints in at least 40 gallons of water/A as a directed spray. Add 2 quarts of surfactant for each 50 gallons of spray. Thoroughly cover weed foliage.

PRECAUTIONS:

- 1) Do not apply after "close-in".
- 2) Do not apply more than 10 quarts/A to any one crop of cane. For control of alexandergrass, large crabgrass, pellitory (artillery) weed and spiny amaranth, use only one of the following methods at planting or ratooning (Florida only).

1. Apply 4 quarts in 20 to 50 gallons of water/A, preemergence, broadcast or banded over-the-top applications as needed, postemergence to sugarcane and weeds, at 2 quarts in 20 to 50 gallons of water/A. Treat before weeds exceed 1.5 inches in height.
2. Apply 1 to 3 times as needed, at 2 quarts in 20 to 50 gallons of water/A, either broadcast or banded over-the-top, post-emergence to sugarcane and weeds. Treat before weeds exceed 2.5 inches in height.

CHEMICAL FALLOW WHEAT-SORGHUM FALLOW

This treatment controls annual broadleaf and grass weeds following wheat harvest and in the following sorghum crop when grown under minimum tillage. Apply 5 pt. to wheat stubble immediately following wheat harvest. If weeds are present, remove them with a sweep plow or other suitable implement after application. Plant sorghum into wheat stubble the following spring with minimum disturbance of the soil. Use a surface planter, or a planter leaving a shallow furrow. If weeds are present at planting, remove them with a sweep plow or other suitable implement before planting.

PRECAUTIONS:

- 1) Use only on silt loam or finer textured soil.
- 2) Wheat-sorghum-fallow cropping sequence must be followed.
- 3) Do not apply following sorghum harvest.

NOTE: Do not graze or feed forage from treated area to livestock. Do not plant any crop other than those on this label within 18 months following treatment.

WHEAT-CORN-FALLOW (KS, NE)

This product controls cheatgrass (downy brome, chess), kochia, mustards, pigweed, Russian thistle, wild lettuce, wild sunflower, and volunteer wheat during period after wheat harvest. Weed control may extend into following corn crop grown under minimum tillage. Apply with ground equipment only. Follow directions for use, notes, and precautions in the "Wheat-Sorghum-Fallow" section above, substituting corn for references to sorghum.

WHEAT-FALLOW-WHEAT (CO, KS, MT, NE, ND, SD, AND WY)

For preemergence control of cheatgrass (downy brome, chess), common lambsquarters, field pennycress, kochia, mustard, Russian thistle, wild lettuce, and suppression of volunteer wheat during fallow period of a wheat-fallow-wheat rotation, apply 1 to 2 pt. in 10 to 40 gal. of water/A for ground application on all soils except those listed under "Precautions." For control of pigweed and wild sunflower, use the higher rate. Apply to stubble ground. Treat

only once during same fallow period. If weeds are present at application and this product is used alone, use either an approved contact herbicide before or after treatment, or tillage after treatment. Use tillage to control weeds which escape during fallow period. Till before planting. For this product applied alone, or in tank mixture with Paraquat CL. plant at least 2 inches deep and 12 months or more after application.

PRECAUTIONS:

- 1) Do not use on sand soil.
- 2) Do not treat eroded hillsides, caliche and rocky outcroppings, or exposed calcareous subsoil.
- 3) Do not treat soils or the Rosebud and Canyon Series in western NE and adjoining counties in CO and WY.
- 4) Do not treat soils with calcareous surface layers.
- 5) Avoid spray overlap.

NOTE: Do not graze treated areas within 6 months after applications.

NOTE: Where there are state/local requirements regarding atrazine use (including lower maximum rates and/or higher set-backs) which are different from the label, the more restrictive requirements apply.

*Dual trademark of Ciba-Geigy for metholachlor U.S. patent No. 3,937,730.

*Igran trademark of Ciba-Geigy for terbutryl U.S. patent No. 3,634,0622.

CONDITIONS OF SALE

All statements concerning the use of this product apply only when used as directed.

THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THIS PRODUCT OR ITS USE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL.

Read all directions carefully.