



PM 25 51036-105 ^{LABELING} page 1 of 16

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

DEC 2 1993

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 06045 in Response to PR Notice 93-7
EPA Reg. No. 51036-105
AMETRYNE 4 FL

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 reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (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 not been reviewed or 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:

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



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

Page 2

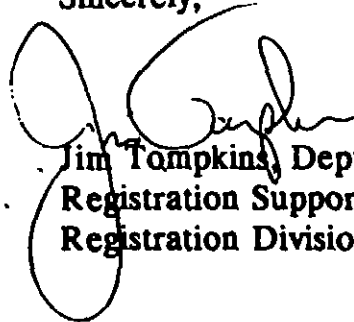
Submit the final printed labeling via the U.S. Postal Service to:

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

Hand or courier deliveries of final printed 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

MICRO-FLO COMPANY
EPA REG. NO. 51036-105 06/04/93
AMETRYNE 4 FL

ORIGINAL SUBMISSION

PRECAUTIONARY STATEMENTS: Delete references to removing and washing contaminated clothing, washing after handling.

APPLICATION HEADING (PAGE 4) Remove references to washing before eating (and) at the end of the day's operation.

User Safety Recommendations must be either in a box or printed on the label in a contrasting color from surrounding text.

Add the following User Safety Recommendation to the label:
"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."

The Ag Use Requirements section must either be placed in a box or printed on the label in a contrasting color from the surrounding text.

USER SAFETY RECOMMENDATIONS: The word "recommendations" is spelled incorrectly.

MICRO FLO

AMETRYNE 4FL HERBICIDE

For weed control in bananas, corn, grapefruit, oranges, pineapple, Sugarcane, and noncrop areas For use as a potato vine desiccant

ACTIVE INGREDIENT:

Ametryne: 2-ethyl-amino-4-isopropyl-amino-6-

methylthio-s-triazine 44.0%

INERT INGREDIENTS: 56.0%

TOTAL 100.0%

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 finger to back of throat. Do not induce vomiting or give anything by mouth to an unconscious person or convulsing person.

IF INHALED: Remove victim to fresh air. Apply respiration if indicated.

IF IN EYES: Flush eyes for at least 15 minutes with water. Call a physician immediately.

IF ON SKIN: Wash affected areas with soap and water.

See Additional Precautionary Statements Inside

NOTE TO PHYSICIAN: If ingested, there is no specific antidote. Induce emesis or lavage stomach. Give saline laxative and supportive therapy.

EPA Reg. No. 51036-105

EPA Est. No. 51036-GA-1

**Manufactured By
MICRO FLO COMPANY
P.O. BOX 5948
LAKELAND, FLORIDA 33802**

**ACCEPTED
with COMMENTS
in EPA Letter Dated**

DEC 2 1993

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

51036-105

PRECAUTIONARY STATEMENTS
Hazards To Humans And Domestic Animals

CAUTION

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

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Waterproof gloves
3. Shoes plus socks

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

USER SAFETY RECOMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing

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

CHEMIGATION PROHIBITION

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

ENVIRONMENTAL HAZARDS

Do not apply directly to any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place.

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 approved state and local procedures.

FAILURE TO FOLLOW PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR WEED CONTROL, AND/OR ILLEGAL RESIDUES.

Ametryne 4FL controls most annual broadleaf and grass weeds (see list under each crop). When applied before weed emergency Ametryne 4FL kills weeds as they germinate by entering roots. On existing weeds, it is effective through leaf contact. Following many years

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of continuous use of this product and chemically related products, biotypes of some of the weeds listed on this label have been reported which cannot be effectively controlled by this and the use of this product in combination with other registered herbicides which are not triazines. Consult with your State Agricultural Extension Service for specific recommendations. Avoid using Ametryne 4FL where adjacent desirable plants may be injured.

APPLICATION PROCEDURES GROUND APPLICATION: Use conventional ground sprayers equipped with nozzles that provide accurate and uniform application. Be certain that nozzles are uniformly spaced and the same size. Calibrate sprayer before use and recalibrate at the start of each season and when changing carriers. Use a pump with capacity to (1) maintain 35-40 psi at nozzles (2) provide sufficient agitation in tank to keep mixture in suspension and (3) to provide a minimum of 20% bypass at all times. Use centrifugal pumps which provide propeller shear action for dispersing and mixing this product. The pump should provide a minimum of 10 gals./minute/100 gal. tank size circulated through a correctly positioned sparger tube or jets. Use screens to protect the pump and to prevent nozzles from clogging. Screens placed on the suction side of the pump should be 16-mesh or coarser. Do not place a screen in the recirculation line. Use 50 mesh or coarser screens between the pump and boom, and where required, at the nozzles. Check nozzle manufacturer's recommendations. For band application, calculate amount to be applied per acre as follows:

band in inches		broadcast		amount needed
X rate per acre	=	per acre of field		row width in inches AERIAL

APPLICATION: Use aerial application only where specified in the use directions. Avoid applications under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. Avoid application to humans or animals. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin, and should wash thoroughly before eating and at the end of each day's operation.

MIXING PROCEDURES - ALL USES:

- (1) Be sure sprayer is clean and not contaminated with any other materials, or crop injury or sprayer clogging may result.
- (2) Fill tank 1/4 full with clean water or nitrogen solution (may be used in corn).
- (3) Start agitation.
- (4) Be certain that the agitation system is working properly and creates a rippling or rolling action on the liquid surface

(5) Make a slurry by adding Ametryne 4FL to a small amount of water in a separate container and pour slurry into tank.

(6) Continue filling tank until 90% full. Increase agitation if necessary to maintain surface action.

(7) Add tank mix herbicide(s) after this product is thoroughly suspended.

(8) Finish filling tank. Maintain agitation to avoid separation of materials.

(9) Empty tank as completely as possible before refilling to prevent buildup of emulsifiable concentrate residue from possible tank mix herbicides.

(10) If an emulsifiable concentrate film starts to build up in tank, drain it and clean with strong detergent solution or solvent.

(11) Clean sprayer thoroughly immediately after use by flushing system with water containing a detergent.

COMPATIBILITY TEST:

Nitrogen solutions may replace all or part of the water in the spray in corn. Since nitrogen solutions can vary, even within the same analysis, check compatibility each time before use. Commercial application equipment may improve compatibility in some instances. The following test assumes a spray volume of 25 gallons per acre. For other spray volumes, make appropriate changes in the ingredients. Check compatibility using this procedure.

1) Add 1 pint of fertilizer of each of 2 one-quart jars with tight lids.

2) To one of the jars add 1/4 tsp. or 1.2 milliliters of a compatibility agent approved for this use (1/4 tsp. is equivalent to 2 pts. per 100 gals. spray). Shake or stir gently to mix. Examples of compatibility agents include Compex* and Unite*.

3) To both jars add 2 teaspoons of Ametryne 4FL for each pound per acre to be applied.

4) After adding all ingredients, put lids on and tighten, and invert each jar ten times to mix. Let the mixtures stand 15 minutes and then look for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. Determine if the compatibility agent is needed in the separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, try slurrying the Ametryne 4FL in water before addition. If still incompatible, do not use the nitrogen solution and Ametryne 4FL in the same spray tank.

BANANAS AND PLANTAINS In Hawaii (Ametryne 4FL controls broadleaf and grass weeds including rattlebox (*Crotalaria* spp.), dalligrass, goosegrass (*Eleusine Indica*), Japanese tea, kukaipuaa and other crabgrass species (*Digitaria* spp.), pualele (sowthistle), common pursland, *Richardia* spp., spanishneedles, wild pea bean, *Amaranthus* spp., Flora's paintbrush, foxtail, junglerice, fireweed, and *Panicum* spp. In Puerto Rico, Ametryne 4FL controls broadleaf and grass weeds including *Commelina ciffusa*, *Paspalum* spp., *Axonopus compressus*, *Panicum* spp., *Digitaria* spp., and *Setaria* spp. Apply

Ametryne 4FL in Hawaii or Puerto Rico as a directed basal spray immediately after selling banana or plantain plants or any time thereafter. Apply before weeds emerge or to emerged, growing weeds. Use the lower rates for applications made before weed emergence and for young easy-to-kill weeds. Use the higher rates for more residual control and for controlling hard-to-kill weeds. Repeat as needed at 3 to 4 month intervals.

Rates of application per acre per application (minimum of 30 gallons water A) Maximum per year

Hawaii 4 to 8 quarts
6 gals (24#AI)

Puerto Rico 3.2 to 4.8 uarts
3.2 gals (12.8#AI)

In Central America apply 2 to 4 quarts of Ametryne 4FL in a minimum of 20 gals. of water A covering all vegetation thoroughly. Use the lower rate for application to young weeds, and the higher rate for application to heavier growth of older, hard to kill weeds. Repeat application 30 days later, covering all vegetation. Apply the third and subsequent applications as needed, covering only living vegetation. Use a maximum of 3.2 gals. (12.8#AI) of Ametryne 4FL per year.

CORN (Field corn, sweet corn, popcorn) Ametryne 4 FL controls annual broadleaf and grass weeds including Texas panicum (Texas millet), fall panicum, signalgrass (*Brachiaria* spp.), goosegrass, crabgrass, barnyardgrass, giant foxtail, yellow and green foxtails, nutsedge, shattercane, wild proso millet, cocklebur, lambsquarters, Florida pusley, morningglory, pigweed, wild mustard, ragweed, velvetleaf and smartweed. Weeds taller than specified in the rate table will not be controlled. Apply Ametryne 4FL as a post emergence directed spray to weeds after the smallest corn is at least 12 inches tall (measured to the highest leaf surface on tree standing plants).

PRECAUTION:

Do not spray over top of corn or injury will occur. Do not apply within 3 weeks of tasseling. Apply in a minimum of 20 gals. of water A to assure uniform coverage (nonpressure nitrogen solution may be substituted for all or part of the water). The entire weed must receive spray to be killed. Add a non-ionic surfactant such as (X-77, duPont WK, or Tronic, Phytofilm, 8020 Surfactant, or Spray Mate) at the rate of 2 qts./100 gals. of spray mixture (0.5% of spray volume). It is recommended that gauge wheels and or leaf lifter equipment be used to prevent leaf contact with the spray. Drop nozzles may be used but extreme care must be taken to keep the spray or drift from contacting the leaves and especially the whorl of the corn plant. Be sure the entire spray pattern is directed downward. Apply at a spray pressure of 30 psi or less to prevent

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"bounce back" - spray bouncing off soil or weeds and settling on corn leaves. Use rates of application according to the following geographical areas: AREA 1 Arizona, California, Colorado, Connecticut, Idaho, Illinois, Indiana, Iowa, Kansas, Maine, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Utah, Vermont, Washington, Wisconsin, Wyoming AREA 2 Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, West Virginia Where a rate range is indicated, use the high rate for relatively dense weed infestations.

Rates of Application for Corn
Broadcast rate per acre

Weed height	Weeds controlled*	Area 2	Area 1
Up to 2 inches	Brachiaria, broadleaves	3/5 qt.	
	Texas panicum, fall panicum,		
	barnyardgrass, goosegrass	1 qt.	1 3/5 t
	crabgrass	1 3/5 to 2 qts.	
	foxtail	1 3/5 to 2 qts	
	shattercane, nutsedge	Do not apply	
Up to 4 inches	wild proso millet	Do not apply	
2 to 4 inches	Brachiaria, broadleaves	1 qt.	
	Texas panicum, fall panicum		
	barnyardgrass, goosegrass	1 3/5 to 2 qts	
	foxtail	1 3/5 to 2 qts	
	shattercane, nutsedge	Do not apply	
4 to 6 inches	Brachiaria, broadleaves	1 3/5 to 2 qts	
	fall panicum, nutsedge	Do not apply	2 qts

*A mechanical cultivation may be required if weeds regrow.

Suggestions for Crop Rotation: Small grains, such as wheat, oats, and rye, may be planted in the fall following the recommended application. Do not plant any rotational crop other than small grains until the following year.

NOTE: Allow 30 days after the application before harvesting, grazing, or feeding forage to livestock.

GRAPEFRUIT AND ORANGES FLORIDA: Apply Ametryne 4FL twice per year (see following table) in a minimum of 40 gals./A as a directed spray to thoroughly cover existing weeds. Weeds controlled include common bermudagrass (Cynodon dactylon), spanishneedles (Bidens bipinnata, and Florida pusley (Richardia scabra). Mow 7 to 10 days before application to obtain most effective control of dense stands

of common bermudagrass. Ametryne 4FL is most effective when good moisture conditions exist. Make the first application in the spring when weeds have resumed active growth, but before they exceed 4 inches in height. Make the second application 90 to 100 days later to obtain season long control. For heavy bermudagrass infestations, use the higher rates in the first application.

Broadcast rate per acre Florida
Light weed Heavy weed application

First (spring) infestation
4 to 4 4/5 qts 5 3/5 to 6 2/5 qts

Second (summer) infestation
4 to 4 4/5 qts 5 3/5 qts

TEXAS: Apply Ametryne 4FL in a minimum of 40 gals./A as a directed spray to thoroughly cover existing weeds. Use 3 lbs./A for control of heavy weed infestations and for top-kill of johnsongrass and marinevine (ivy treebine). Weeds controlled include barnyardgrass, buffelgrass, sandbur, Texas panicum (Colorado grass), silver leaf nightshade, pigweed, common purslane and sunflower. Use 2 lbs./A to control light weed infestations. For both rates, add a nonionic surfactant, such as duPont WK, X-77, or LOC, at the rate of 2 qts./100 gals. of spray mixture (0.5% of spray volume). Make the first application in the spring when weeds have resumed active growth, but before they exceed 4 inches in height. Make additional applications as needed up to 3 gal./Z per year. Ametryne 4FL is most effective when weeds are actively growing and 1 to 4 inches in height.

PRECAUTIONS (FLORIDA AND TEXAS):

- 1) Do not apply where trees have been established in the grove less than two years.
- 2) Apply no more than 3 gals. of Ametryne 4FL per year.
- 3) Do not allow spray to contact stems, fruit, or foliage on trees.
- 4) Do not apply where uniform coverage cannot be obtained or where excessive spray drift may occur.

NOTES (FLORIDA AND TEXAS):

- 1) Do not apply within 30 days of harvest.
- 2) Do not graze treated areas. PINEAPPLE For control of broadleaf and grass weeds including rattlebox (*Crotalaria* spp.), dallisgrass, goosegrass (*Eleusine indica*), Japanese tea, kukaipuaa and other crabgrass species (*Digitaria* spp.), pualele (sowthistle), common pursland, *Richardia* spp. spanishneedles, wild pea bean, *Amaranthus* spp., Flora's paintbrush, foxtail, junglerice, fireweed, and *Panicum* spp., apply up to 2 gals. of Ametryne 4FL/A as a blanket spray immediately after planting, or after plant crop harvest is completed and before weeds emerge. Additional blanket or interspace applications may be made at 1 to 2 month intervals

prior to differentiation as needed, but should not exceed 2 qts./A per application. Apply in a minimum of 30 gals. of water/A.

NOTE:

- 1) Do not apply more than 7.5 gals (30# AI) Ametryne 4FL per crop cycle.
- 2) Do not make the last application within 160 days of harvest.

SUGARCANE

To control weeds specified in the various states, apply Ametryne 4FL alone or in tank mix combinations. Broadcast aerially in a minimum volume of 5 gals. of spray/A, or broadcast or band by ground in a minimum of 20 gals./A, unless indicated otherwise. Repeat treatments, where needed, may be applied broadcast, band, or interline as recommended, with final application prior to close-in.

AERIAL APPLICATION: Use aerial application only where broadcast applications are specified. Unless specified otherwise, apply a minimum of 1 gal. of water for each 3/4 qt. of product applied/A, but conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. In order to assure that spray will be controllable within the target area when used according to label directions make applications at a maximum height, of 10 ft., using low drift nozzles at a maximum pressure of 40 psi, and restrict application to periods when wind speed does not exceed 10 mph. To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply Ametryne 4FL alone by aircraft at a minimum upwind distance of 800 ft. from sensitive plants, or apply Ametryne 4FL + Diuron at a minimum upwind distance of 500 ft. from sensitive plants.

FLORIDA: Apply 2/5 qt to 1 1/5 qt of Ametryne 4FL in a minimum of 20 gals. of water/A directed to the base of plant or ratoon sugarcane to emerged weeds. Avoid wetting sugarcane foliage or injury may occur. Use nozzle tips which will minimize atomization or spray drift. Use the higher rate for high grass populations. Apply up to 2 repeat applications, if needed, at 30 day intervals before close-in. To control alexandergrass (*Brachiaria plantaginea*), apply at the 3 to 4 leaf stage or before 3 inches tall. For mixed weed infestations, use 1.2 qts of Ametryne 4FL plus 0.5 lb. acid equivalent of 2,4-D amine/A and or 2 qts. of surfactant, such as (X-114 or ACL 209) for each 100 gals. of spray to improve weed control. Observe all precautions and limitations on labeling of all products used in mixtures. **HAWAII:** Use one of the following methods in plant or ratoon sugarcane for control of ageratum, rattlebox (*Crotalaria* spp.) dallisgrass, fireweed, goosegrass, (*Eleusine indica*), guineagrass, Japanese tea, kukaipuaa, and other crabgrass species (*Digitaria* spp.), morningglory, pualele (sowthistle), common purslane, *Richardia* spp., spanishneedles, wild pea bean, *Amaranthus* spp., Flora's

paintbrush, foxtail, junglerice, and swollen fingergrass. 1. Apply 4 to 8 qts./A before weeds or sugarcane emerge. A second and third application at 2 to 4 qts./A may be made, as needed, to emerged weeds prior to close-in. 2. Apply 2 to 4 qts. of Ametryne 4FL plus 2.5 to 5 lbs. of Diuron before sugarcane and weeds emerge. A second application at 2 to 4 qts. of Ametryne 4FL plus 2.5 to 5 lbs. of Diuron may be made as needed, postemergence to sugarcane and weeds. A third application at 2 to 3 qts. of Ametryne 4FL plus 2.5 to 3 lbs. of Diuron may be applied prior to close-in. For best results when Diuron is used on emerged weeds, add a non-ionic surfactant to the spray at the rate of 1 to 2 qts. per 100 gals. and apply as a directed spray.

NOTE: Use the minimum preemergence rates on nonirrigated sugarcane (high rainfall areas), on land first cropped to sugarcane, and for light weed infestations.

PRECAUTIONS:

- 1) Sugarcane growing in areas of exposed subsoil, in rocky areas, or in soils of low absorptive capacity may show temporary chlorosis following treatment.
- 2) Injury to sugarcane may occur when under moisture stress.
- 3) Certain sugarcane varieties may show a temporary chlorosis or stunting as a result of over-the-top application.

LOUISIANA: Use directions below for control of these weeds:

Weed height	Weeds controlled
Up to 3 inches	*Itchgrass (raoulgrass)
Up to 4 inches	barnyardgrass, crabgrass, fall panicum, foxtail, goosegrass, Texas panicum
Up to 5 inches	Annual sowthistle, common chickweed, henbit, paleseed plantain, swinecress
Up to 6 inches	Brachiaria spp., browntop panicum, cicklebur, Florida pusley, common lambs-quarters, morningglory, pigweed, ragweed, smartweed, velvetleaf, wild mustard

*Controls emerged itchgrass. May not control itchgrass germinating after treatment. Broadcast or band by ground equipment over the top of plant or ratoon sugarcane 2 qts. of Ametryne 4FL plus 0.5 lb. acid equivalent of 2,4-D amine plus 1 qt. of 83/17 Crop Oil Concentrate (or 1 pt. of nonionic surfactant, such as Phytofilm, 8020 Surfactant or Spray Mate) in a minimum of 20 gals. of water/A. Follow with one or two repeat over-the-top or directed applications, as needed, using 2 2/5 qts. of Ametryne 4FL plus 0.5 lb. of 2,4-D amine plus 1 qt. of crop oil concentrate (or 1 pt. of nonionic surfactant) in a minimum of 20 gals. of water/A. To avoid injury, do not apply over the top of sugarcane after April 10 or after sugarcane exceeds 20 inches in height. If needed, follow with one or two additional applications directed to the base of sugarcane (using same rates as in second or third application)

before close-in. Observe all precautions and limitations on labeling of all products used in mixtures.

PRECAUTIONS:

Temporary yellowing of sugarcane leaves may follow over-the-top applications.

PUERTO RICE: Use one of the following methods for control of *Amaranthus* spp., crabgrass, dallisgrass, foxtail, goosegrass (*Eleusine indica*), itchgrass (raoulgrass), junglerice, milkweed, morningglory, *Panicum* spp., pigweed, purpletop, purslane, *Richardia* spp., spanishneedles, sandbur, and sowthistle in plant and/or ratoon sugarcane as specified: 1. Plant or Ratoon Sugarcane: Apply 4 to 8 qts. of Ametryne 4FL/A before sugarcane or weeds emerge. Apply one or two additional applications, as needed at 2 to 4 qts./A before close-in, directed to the base of sugarcane. 2. Plant Sugarcane: Apply 4 qts./A before sugarcane emerges and before weeds exceed 5 inches in height. A second application at 3 1/5 qt./A may be made, as needed, over-the-top of sugarcane after the sugarcane and weeds emerge but prior to close-in. 3. Ratoon Sugarcane: Apply 3 1/5 qts/A interline or over-the-top of sugarcane and weeds prior to close-in. In plant or ratoon sugarcane, add 1 pt. of a nonionic surfactant to the spray volume to be applied/A where weeds have emerged at application. Treat before weeds exceed 5 inches in height.

PRECAUTIONS:

1) Sugarcane growing in areas of exposed subsoil, in rocky areas or during time of water stress may show a temporary chlorosis.

2) Do not apply Ametryne 4FL in combination with other herbicides when making over-the-top applications.

3) Temporary chlorosis or stunting may occur after over-the-top applications.

TEXAS: Use directions below for control of these weeds:

Weed Height	Weeds Controlled
Up to 2 inches	fall panicum, Texas panicum
Up to 4 inches	barnyardgrass, <i>Brachiaria</i> spp., cocklebur, Florida pusley, common lambsquarters, morningglory, ragweed, smartweed, velvetleaf, wild mustard
Up to 6 inches	pigweed, sunflower

Broadcast 1 1/5 qt to 2 qt/A preemergence or postemergence to sugarcane or weeds. Add a nonionic surfactant at the rate of 2 qts./100 gals. of spray mixture. Follow with one or two repeat applications, as needed. Make the final application before close-in. Use the higher rates of Ametryne for heavier weed infestations.

PRECAUTIONS:

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Temporary yellowing of sugarcane leaves may follow over-the-top applications.

POTATO VINE DESICCANT To kill potato vines and weed growth, apply Ametryne 4FL 10 to 14 days before harvest at the rates in the following table. Apply in a minimum of 100 gals. of water/A. Thorough coverage must be obtained in order to achieve a satisfactory kill. Complete vine kill is normally obtained in 10 to 14 days in the Southeast and in 14 to 17 days elsewhere. Vine kill may be delayed by unseasonably cold weather.

NOTE: Do not graze livestock on treated areas.

AREA Rate of Ametryne 4FL per acre

Florida 1 to 2 quarts

Southeast (N.C. 1 to 2 quarts or

TN, and south 1 qt. plus 2 gals. except FL

nonphytotoxic oil Northeast (VA, KY, & North), Midwest, 2 to 2 2/5 qts. North Central, Colo., and Wyo.

NONCROP LAND Ametryne 4FL provides weed control on industrial sites, railroad rights-of-way, around highway guard rails, lumberyards, petroleum tank farms, utility substations and airport runways. Use only where control of all vegetation is desired. Do not use near adjacent desirable trees, shrubs or plants, or in greenhouses, as injury may occur. Ametryne 4FL controls barnyardgrass, crabgrass, fall panicum, foxtails (giant green, yellow) goosegrass, nutsedge, shattercane, signalgrass, (Brachiaria spp.) Texas panicum (Texas millet), cocklebur, Florida pusley, lambsquarters, morninglory, wild mustard, pigweed, ragweed, smartweed, and velvetleaf. Apply to emerged actively growing weeds at the rates recommended in the rate chart "Rates of Application for Corn" on this label. Apply in at least 20 gals. of water/A and add a surfactant such as (X-77, duPont WK, or Tronic) at the rate of 2 qts./100 gals. of spray mixture (0.5% of spray volume). Cover weeds thoroughly with spray for good control. Do not plant desirable plants in treated areas for one year.

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.

Statement for cholinesterase inhibitors

-(located in Statement of Practical Treatment or First Aid section)

This product is an organophosphorus ester that inhibits cholinesterase.

or

This product is an N-methyl carbamate acid ester that inhibits cholinesterase.

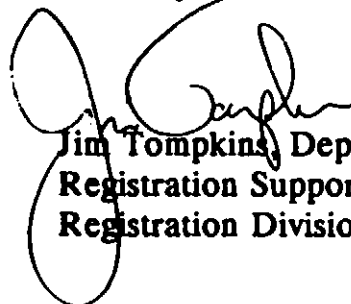
Submit the final printed labeling via the U.S. Postal Service to:

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

Hand or courier deliveries of final printed 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,

A handwritten signature in black ink, appearing to read "Jim Tompkins", is written over the typed name and title.

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

Attachment

MICRO FLO

AMETRYNE 4FL HERBICIDE

For weed control in bananas, corn, grapefruit, oranges, pineapple, Sugarcane, and noncrop areas For use as a potato vine desiccant

ACTIVE INGREDIENT:

Ametryne: 2-ethyl-amino-4-isopropyl-amino-6-

methylthio-s-triazine 44.0%

INERT INGREDIENTS: 56.0%

TOTAL 100.0%

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 finger to back of throat. Do not induce vomiting or give anything by mouth to an unconscious person or convulsing person.

IF INHALED: Remove victim to fresh air. Apply respiration if indicated.

IF IN EYES: Flush eyes for at least 15 minutes with water. Call a physician immediately.

IF ON SKIN: Wash affected areas with soap and water.

See Additional Precautionary Statements Inside

NOTE TO PHYSICIAN: If ingested, there is no specific antidote. Induce emesis or lavage stomach. Give saline laxative and supportive therapy.

EPA Reg. No. 51036-105

EPA Est. No. 51036-GA-1

**Manufactured By
MICRO FLO COMPANY
P.O. BOX 5948
LAKELAND, FLORIDA 33802**

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**ACCEPTED
with COMMENTS
in L'A Letter Dated**

DEC 2 1993
**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
51036-105**

PRECAUTIONARY STATEMENTS
Hazards To Humans And Domestic Animals

CAUTION

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

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Waterproof gloves
3. Shoes plus socks

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

USER SAFETY RECOMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing

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,

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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

CHEMIGATION PROHIBITION

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

ENVIRONMENTAL HAZARDS

Do not apply directly to any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place.

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 approved state and local procedures.

FAILURE TO FOLLOW PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR WEED CONTROL, AND/OR ILLEGAL RESIDUES.

Ametryne 4FL controls most annual broadleaf and grass weeds (see list under each crop). When applied before weed emergence Ametryne 4FL kills weeds as they germinate by entering roots. On existing weeds, it is effective through leaf contact. Following many years

of continuous use of this product and chemically related products, biotypes of some of the weeds listed on this label have been reported which cannot be effectively controlled by this and the use of this product in combination with other registered herbicides which are not triazines. Consult with your State Agricultural Extension Service for specific recommendations. Avoid using Ametryne 4FL where adjacent desirable plants may be injured.

APPLICATION PROCEDURES GROUND APPLICATION: Use conventional ground sprayers equipped with nozzles that provide accurate and uniform application. Be certain that nozzles are uniformly spaced and the same size. Calibrate sprayer before use and recalibrate at the start of each season and when changing carriers. Use a pump with capacity to (1) maintain 35-40 psi at nozzles (2) provide sufficient agitation in tank to keep mixture in suspension and (3) to provide a minimum of 20% bypass at all times. Use centrifugal pumps which provide propeller shear action for dispersing and mixing this product. The pump should provide a minimum of 10 gals./minute/100 gal. tank size circulated through a correctly positioned sparger tube or jets. Use screens to protect the pump and to prevent nozzles from clogging. Screens placed on the suction side of the pump should be 16-mesh or coarser. Do not place a screen in the recirculation line. Use 50 mesh or coarser screens between the pump and boom, and where required, at the nozzles. Check nozzle manufacturer's recommendations. For band application, calculate amount to be applied per acre as follows:

band in inches		broadcast	amount needed
X rate per acre	=	per acre of field	row width in inches AERIAL

APPLICATION: Use aerial application only where specified in the use directions. Avoid applications under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. Avoid application to humans or animals. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin, and should wash thoroughly before eating and at the end of each day's operation.

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MIXING PROCEDURES - ALL USES:

- (1) Be sure sprayer is clean and not contaminated with any other materials, or crop injury or sprayer clogging may result.
- (2) Fill tank 1/4 full with clean water or nitrogen solution (may be used in corn).
- (3) Start agitation.
- (4) Be certain that the agitation system is working properly and creates a rippling or rolling action on the liquid surface

(5) Make a slurry by adding Ametryne 4FL to a small amount of water in a separate container and pour slurry into tank.

(6) Continue filling tank until 90% full. Increase agitation if necessary to maintain surface action.

(7) Add tank mix herbicide(s) after this product is thoroughly suspended.

(8) Finish filling tank. Maintain agitation to avoid separation of materials.

(9) Empty tank as completely as possible before refilling to prevent buildup of emulsifiable concentrate residue from possible tank mix herbicides.

(10) If an emulsifiable concentrate film starts to build up in tank, drain it and clean with strong detergent solution or solvent.

(11) Clean sprayer thoroughly immediately after use by flushing system with water containing a detergent.

COMPATIBILITY TEST:

Nitrogen solutions may replace all or part of the water in the spray in corn. Since nitrogen solutions can vary, even within the same analysis, check compatibility each time before use. Commercial application equipment may improve compatibility in some instances. The following test assumes a spray volume of 25 gallons per acre. For other spray volumes, make appropriate changes in the ingredients. Check compatibility using this procedure.

1) Add 1 pint of fertilizer of each of 2 one-quart jars with tight lids.

2) To one of the jars add 1/4 tsp. or 1.2 milliliters of a compatibility agent approved for this use (1/4 tsp. is equivalent to 2 pts. per 100 gals. spray). Shake or stir gently to mix. Examples of compatibility agents include Compex* and Unite*.

3) To both jars add 2 teaspoons of Ametryne 4FL for each pound per acre to be applied.

4) After adding all ingredients, put lids on and tighten, and invert each jar ten times to mix. Let the mixtures stand 15 minutes and then look for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. Determine if the compatibility agent is needed in the separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, try slurring the Ametryne 4FL in water before addition. If still incompatible, do not use the nitrogen solution and Ametryne 4FL in the same spray tank.

BANANAS AND PLANTAINS In Hawaii (Ametryne 4FL controls broadleaf and grass weeds including rattlebox (*Crotalaria* spp.), dalligrass, goosegrass (*Eleusine Indica*), Japanese tea, kukaipuaa and other crabgrass species (*Digitaria* spp.), pualele (sowthistle), common pursland, *Richardia* spp., spanishneedles, wild pea bean, *Amaranthus* spp., Flora's paintbrush, foxtail, junglerice, fireweed, and *Panicum* spp. In Puerto Rico, Ametryne 4FL controls broadleaf and grass weeds including *Commelina ciffusa*, *Paspalum* spp., *Axonopus compressus*, *Panicum* spp., *Digitaria* spp., and *Setaria* spp. Apply

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Ametryne 4FL in Hawaii or Puerto Rico as a directed basal spray immediately after selling banana or plantain plants or any time thereafter. Apply before weeds emerge or to emerged, growing weeds. Use the lower rates for applications made before weed emergence and for young easy-to-kill weeds. Use the higher rates for more residual control and for controlling hard-to-kill weeds. Repeat as needed at 3 to 4 month intervals.

Rates of application per acre per application (minimum of 30 gallons water A) Maximum per year

Hawaii 4 to 8 quarts
6 gals (24#AI)

Puerto Rico 3.2 to 4.8 uarts
3.2 gals (12.8#AI)

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In Central America apply 2 to 4 quarts of Ametryne 4FL in a minimum of 20 gals. of water A covering all vegetation thoroughly. Use the lower rate for application to young weeds, and the higher rate for application to heavier growth of older, hard to kill weeds. Repeat application 30 days later, covering all vegetation. Apply the third and subsequent applications as needed, covering only living vegetation. Use a maximum of 3.2 gals. (12.8#AI) of Ametryne 4FL per year.

CORN (Field corn, sweet corn, popcorn) Ametryne 4 FL controls annual broadleaf and grass weeds including Texas panicum (Texas millet), fall panicum, signalgrass (Brachiaria spp.), goosegrass, crabgrass, barnyardgrass, giant foxtail, yellow and green foxtails, nutsedge, shattercane, wild proso millet, cocklebur, lambsquarters, Florida pusley, morningglory, pigweed, wild mustard, ragweed, velvetleaf and smartweed. Weeds taller than specified in the rate table will not be controlled. Apply Ametryne 4FL as a post emergence directed spray to weeds after the smallest corn is at least 12 inches tall (measured to the highest leaf surface on tree standing plants).

PRECAUTION:

Do not spray over top of corn or injury will occur. Do not apply within 3 weeks of tasseling. Apply in a minimum of 20 gals. of water A to assure uniform coverage (nonpressure nitrogen solution may be substituted for all or part of the water). The entire weed must receive spray to be killed. Add a non-ionic surfactant such as (X-77, duPont WK, or Tronic, Phytofilm, 8020 Surfactant, or Spray Mate) at the rate of 2 qts./100 gals. of spray mixture (0.5% of spray volume). It is recommended that gauge wheels and or leaf lifter equipment be used to prevent leaf contact with the spray. Drop nozzles may be used but extreme care must be taken to keep the spray or drift from contacting the leaves and especially the whorl of the corn plant. Be sure the entire spray pattern is directed downward. Apply at a spray pressure of 30 psi or less to prevent

"bounce back" - spray bouncing off soil or weeds and settling on corn leaves. Use rates of application according to the following geographical areas: AREA 1 Arizona, California, Colorado, Connecticut, Idaho, Illinois, Indiana, Iowa, Kansas, Maine, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Utah, Vermont, Washington, Wisconsin, Wyoming AREA 2 Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, West Virginia Where a rate range is indicated, use the high rate for relatively dense weed infestations.

Rates of Application for Corn
Broadcast rate per acre

Weed height	Weeds controlled*	Area 2	Area 1
Up to 2 inches	Brachiaria, broadleaves	3/5 qt.	
	Texas panicum, fall panicum,		
	barnyardgrass, goosegrass	1 qt.	1 3/5 qt.
	crabgrass	1 3/5 to 2 qts.	
	foxtail	1 3/5 to 2 qts	
	shattercane, nutsedge	Do not apply	
Up to 4 inches	wild proso millet	Do not apply	
2 to 4 inches	Brachiaria, broadleaves	1 qt.	
	Texas panicum, fall panicum		
	barnyardgrass, goosegrass	1 3/5 to 2 qts	
	foxtail	1 3/5 to 2 qts	
	shattercane, nutsedge	Do not apply	
4 to 6 inches	Brachiaria, broadleaves	1 3/5 to 2 qts	
	fall panicum, nutsedge	Do not apply	2 qts

*A mechanical cultivation may be required if weeds regrow.

Suggestions for Crop Rotation: Small grains, such as wheat, oats, and rye, may be planted in the fall following the recommended application. Do not plant any rotational crop other than small grains until the following year.

NOTE: Allow 30 days after the application before harvesting, grazing, or feeding forage to livestock.

GRAPEFRUIT AND ORANGES FLORIDA: Apply Ametryne 4FL twice per year (see following table) in a minimum of 40 gals./A as a directed spray to thoroughly cover existing weeds. Weeds controlled include common bermudagrass (*Cynodon dactylon*), spanishneedles (*Bidens bipinnata*, and Florida pusley (*Richardia scabra*). Mow 7 to 10 days before application to obtain most effective control of dense stands

10515

of common bermudagrass. Ametryne 4FL is most effective when good moisture conditions exist. Make the first application in the spring when weeds have resumed active growth, but before they exceed 4 inches in height. Make the second application 90 to 100 days later to obtain season long control. For heavy bermudagrass infestations, use the higher rates in the first application.

Broadcast rate per acre Florida
Light weed Heavy weed application

First (spring) infestation
4 to 4 4/5 qts

5 3/5 to 6 2/5 qts

Second (summer) infestation
4 to 4 4/5 qts

5 3/5 qts

TEXAS: Apply Ametryne 4FL in a minimum of 40 gals./A as a directed spray to thoroughly cover existing weeds. Use 3 lbs./A for control of heavy weed infestations and for top-kill of johnsongrass and marinevine (ivy treebine) Weeds controlled include barnyardgrass, buffelgrass, sandbur, Texas panicum (Colorado grass), silver leaf nightshade, pigweed, common purslane and sunflower. Use 2 lbs./A to control light weed infestations. For both rates, add a nonionic surfactant, such as duPont WK, X-77, or LOC, at the rate of 2 qts./100 gals. of spray mixture (0.5% of spray volume). Make the first application in the spring when weeds have resumed active growth, but before they exceed 4 inches in height. Make additional applications as needed up to 3 gal./2 per year. Ametryne 4FL is most effective when weeds are actively growing and 1 to 4 inches in height.

PRECAUTIONS (FLORIDA AND TEXAS):

- 1) Do not apply where trees have been established in the grove less than two years.
- 2) Apply no more than 3 gals. of Ametryne 4FL per year.
- 3) Do not allow spray to contact stems, fruit, or foliage on trees.
- 4) Do not apply where uniform coverage cannot be obtained or where excessive spray drift may occur.

NOTES (FLORIDA AND TEXAS):

- 1) Do not apply within 30 days of harvest
- 2) Do not graze treated areas. PINEAPPLE For control of broadleaf and grass weeds including rattlebox (*Crotalaria* spp.), dallisgrass, goosegrass (*Eleusine indica*), Japanese tea, kukaipuaa and other crabgrass species (*Digitaria* spp.), pualele (sowthistle), common purslane, *Richardia* spp. spanishneedles, wild pea bean, *Amaranthus* spp., Flora's paintbrush, foxtail, junglerice, fireweed, and *Panicum* spp., apply up to 2 gals. of Ametryne 4FL/A as a blanket spray immediately after planting, or after plant crop harvest is completed and before weeds emerge. Additional blanket or interspace applications may be made at 1 to 2 month intervals

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prior to differentiation as needed, but should not exceed 2 qts./A per application. Apply in a minimum of 30 gals. of water/A.

NOTE:

- 1) Do not apply more than 7.5 gals (30# AI) Ametryne 4FL per crop cycle.
- 2) Do not make the last application within 160 days of harvest.

SUGARCANE

To control weeds specified in the various states, apply Ametryne 4FL alone or in tank mix combinations. Broadcast aerially in a minimum volume of 5 gals. of spray/A, or broadcast or band by ground in a minimum of 20 gals./A, unless indicated otherwise. Repeat treatments, where needed, may be applied broadcast, band, or interline as recommended, with final application prior to close-in.

AERIAL APPLICATION: Use aerial application only where broadcast applications are specified. Unless specified otherwise, apply a minimum of 1 gal. of water for each 3/4 qt. of product applied/A, but conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. In order to assure that spray will be controllable within the target area when used according to label directions make applications at a maximum height, of 10 ft., using low drift nozzles at a maximum pressure of 40 psi, and restrict application to periods when wind speed does not exceed 10 mph. To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply Ametryne 4FL alone by aircraft at a minimum upwind distance of 800 ft. from sensitive plants, or apply Ametryne 4FL + Diuron at a minimum upwind distance of 500 ft. from sensitive plants.

FLORIDA: Apply 2/5 qt to 1 1/5 qt of Ametryne 4FL in a minimum of 20 gals. of water/A directed to the base of plant or ratoon sugarcane to emerged weeds. Avoid wetting sugarcane foliage or injury may occur. Use nozzle tips which will minimize atomization or spray drift. Use the higher rate for high grass populations. Apply up to 2 repeat applications, if needed, at 30 day intervals before close-in. To control alexandergrass (*Brachiaria plantaginea*), apply at the 3 to 4 leaf stage or before 3 inches tall. For mixed weed infestations, use 1.2 qts of Ametryne 4FL plus 0.5 lb. acid equivalent of 2,4-D amine/A and or 2 qts. of surfactant, such as (X-114 or ACL 209) for each 100 gals. of spray to improve weed control. Observe all precautions and limitations on labeling of all products used in mixtures. **HAWAII:** Use one of the following methods in plant or ratoon sugarcane for control of ageratum, rattlebox (*Crotalaria* supp.) dallisgrass, fireweed, goosegrass, (*Eleusine indica*), guineagrass, Japanese tea, kukaipuaa, and other crabgrass species (*Digitaria* spp.), morningglory, pualele (sowthistle), common purslane, *Richardia* spp., spanishneedles, wild pea bean, *Amaranthus* spp., Flora's

paintbrush, foxtail, junglerice, and swollen fingergrass. 1. Apply 4 to 8 qts./A before weeds or sugarcane emerge. A second and third application at 2 to 4 qts./A may be made, as needed, to emerged weeds prior to close-in. 2. Apply 2 to 4 qts. of Ametryne 4FL plus 2.5 to 5 lbs. of Diuron before sugarcane and weeds emerge. A second application at 2 to 4 qts. of Ametryne 4FL plus 2.5 to 5 lbs. of Diuron may be made as needed, postemergence to sugarcane and weeds. A third application at 2 to 3 qts. of Ametryne 4FL plus 2.5 to 3 lbs. of Diuron may be applied prior to close-in. For best results when Diuron is used on emerged weeds, add a non-ionic surfactant to the spray at the rate of 1 to 2 qts. per 100 gals. and apply as a directed spray.

NOTE: Use the minimum preemergence rates on nonirrigated sugarcane (high rainfall areas), on land first cropped to sugarcane, and for light weed infestations.

PRECAUTIONS:

- 1) Sugarcane growing in areas of exposed subsoil, in rocky areas, or in soils of low absorptive capacity may show temporary chlorosis following treatment.
- 2) Injury to sugarcane may occur when under moisture stress.
- 3) Certain sugarcane varieties may show a temporary Chlorosis or stunting as a result of over-the-top application.

LOUISIANA: Use directions below for control of these weeds:

Weed height	Weeds controlled
Up to 3 inches	*Itchgrass (raoulgrass)
Up to 4 inches	barnyardgrass, crabgrass, fall panicum, foxtail, goosegrass, Texas panicum
Up to 5 inches	Annual sowthistle, common chickweed, henbit, paleseed plantain, swinecress
Up to 6 inches	Brachiaria spp., browntop panicum, cocklebur, Florida pusley, common lambs-quarters, morningglory, pigweed, ragweed, smartweed, velvetleaf, wild mustard

*Controls emerged itchgrass. May not control itchgrass germinating after treatment. Broadcast or band by ground equipment over the top of plant or ratoon sugarcane 2 qts. of Ametryne 4FL plus 0.5 lb. acid equivalent of 2,4-D amine plus 1 qt. of 83/17 Crop Oil Concentrate (or 1 pt. of nonionic surfactant, such as Phytofilm, 8020 Surfactant or Spray Mate) in a minimum of 20 gals. of water/A. Follow with one or two repeat over-the-top or directed applications, as needed, using 2 2/5 qts. of Ametryne 4FL plus 0.5 lb. of 2,4-D amine plus 1 qt. of crop oil concentrate (or 1 pt. of nonionic surfactant) in a minimum of 20 gals. of water/A. To avoid injury, do not apply over the top of sugarcane after April 10 or after sugarcane exceeds 20 inches in height. If needed, follow with one or two additional applications directed to the base of sugarcane (using same rates as in second or third application)

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before close-in. Observe all precautions and limitations on labeling of all products used in mixtures.

PRECAUTIONS:

Temporary yellowing of sugarcane leaves may follow over-the-top applications.

PUERTO RICE: Use one of the following methods for control of *Amaranthus* spp., crabgrass, dallisgrass, foxtail, goosegrass (*Eleusine indica*), itchgrass (raoulgrass), junglerice, milkweed, morningglory, *Panicum* spp., pigweed, purpletop, purslane, *Richardia* spp., spanishneedles, sandbur, and sowthistle in plant and/or ratoon sugarcane as specified: 1. Plant or Ratoon Sugarcane: Apply 4 to 8 qts. of Ametryne 4FL/A before sugarcane or weeds emerge. Apply one or two additional applications, as needed at 2 to 4 qts./A before close-in, directed to the base of sugarcane. 2. Plant Sugarcane: Apply 4 qts./A before sugarcane emerges and before weeds exceed 5 inches in height. A second application at 3 1/5 qt./A may be made, as needed, over-the-top of sugarcane after the sugarcane and weeds emerge but prior to close-in. 3. Ratoon Sugarcane: Apply 3 1/5 qts/A interline or over-the-top of sugarcane and weeds prior to close-in. In plant or ratoon sugarcane, add 1 pt. of a nonionic surfactant to the spray volume to be applied/A where weeds have emerged at application. Treat before weeds exceed 5 inches in height.

PRECAUTIONS:

1) Sugarcane growing in areas of exposed subsoil, in rocky areas or during time of water stress may show a temporary chlorosis.

2) Do not apply Ametryne 4FL in combination with other herbicides when making over-the-top applications.

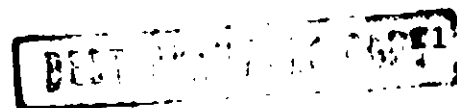
3) Temporary chlorosis or stunting may occur after over-the-top applications.

TEXAS: Use directions below for control of these weeds:

Weed Height	Weeds Controlled
Up to 2 inches	fall panicum, Texas panicum
Up to 4 inches	barnyardgrass, <i>Brachiaria</i> spp., cocklebur, Florida pusley, common lambsquarters, morningglory, ragweed, smartweed, velvetleaf, wild mustard
Up to 6 inches	pigweed, sunflower

Broadcast 1 1/5 qt to 2 qt/A preemergence or postemergence to sugarcane or weeds. Add a nonionic surfactant at the rate of 2 qts./100 gals. of spray mixture. Follow with one or two repeat applications, as needed. Make the final application before close-in. Use the higher rates of Ametryne for heavier weed infestations.

PRECAUTIONS:



Temporary yellowing of sugarcane leaves may follow over-the-top applications.

POTATO VINE DESICCANT To kill potato vines and weed growth, apply Ametryne 4FL 10 to 14 days before harvest at the rates in the following table. Apply in a minimum of 100 gals. of water/A. Thorough coverage must be obtained in order to achieve a satisfactory kill. Complete vine kill is normally obtained in 10 to 14 days in the Southeast and in 14 to 17 days elsewhere. Vine kill may be delayed by unseasonably cold weather.

NOTE: Do not graze livestock on treated areas.

AREA Rate of Ametryne 4FL per acre

Florida	1 to 2 quarts
Southeast (N.C.	1 to 2 quarts or
TN, and south	1 qt. plus 2 gals. except FL

nonphytotoxic oil Northeast (VA, KY, & North), Midwest, 2 to 2 2/5 qts. North Central, Colo., and Wyo.

NONCROP LAND Ametryne 4FL provides weed control on industrial sites, railroad rights-of-way, around highway guard rails, lumberyards, petroleum tank farms, utility substations and airport runways. Use only where control of all vegetation is desired. Do not use near adjacent desirable trees, shrubs or plants, or in greenhouses, as injury may occur. Ametryne 4FL controls barnyardgrass, crabgrass, fall panicum, foxtails (giant green, yellow) goosegrass, nutsedge, shattercane, signalgrass, (Brachiaria spp.) Texas panicum (Texas millet), cocklebur, Florida pusley, lambsquarters, morningglory, wild mustard, pigweed, ragweed, smartweed, and velvetleaf. Apply to emerged actively-growing weeds at the rates recommended in the rate chart "Rates of Application for Corn" on this label. Apply in at least 20 gals. of water/A and add a surfactant such as (X-77, duPont WK, or Tronic) at the rate of 2 qts./100 gals. of spray mixture (0.5% of spray volume). Cover weeds thoroughly with spray for good control. Do not plant desirable plants in treated areas for one year.

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.

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Statement for cholinesterase inhibitors

-(located in Statement of Practical Treatment or First Aid section)

This product is an organophosphorus ester that inhibits cholinesterase.

or

This product is an N-methyl carbamate acid ester that inhibits cholinesterase.

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