


38167-5

PM 25

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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO. 38167-5 TERM OF ISSUANCE NAME OF PESTICIDE PRODUCT SLUR CYBACLINE 4L BOLDICIDE	DATE OF ISSUANCE FEB 25 1986
NAME AND ADDRESS OF REGISTRANT (Include ZIP code) <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> South Chemical Company 5100 Highway Suite 3200 Memphis, TN 38157 </div>		
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data. 2. Make the labeling changes listed below before you release the product for shipment: <ol style="list-style-type: none"> a. Add the phrase "EPA registration No. 38167-5." b. The signal word must be changed to Caution. c. The precautionary statement must be revised as follows. Harmful if swallowed, inhaled, or absorbed through skin. d. Add the following to the Statement of Practical Treatment. "Do not induce vomiting or give anything by mouth to an unconscious person." 		
<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE SIGNATURE OF APPROVING OFFICIAL  </div> <div> DATE 2/25/86 </div> </div>		

EPA Form 8570-6 (Rev. 5-76)

PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

90475:Erumsle:T-2:KENCO:2/21/86:3/5/86:TAR:MD

3. Verify that the product tested, 4# Cyanazine FL (data submitted by Helena Chemical) is identical to Setre Cyanazine 4L Herbicide.

If there are differences between the products, the data must be rereviewed in order to determine whether or not the studies are acceptable to support registration of 38167-5.

4. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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 constitutes acceptance of these conditions.

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

Robert J. Taylor
Product Manager (25)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Enclosures

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SETRE CHEMICAL COMPANY

ACCEPTED
W-Comment
FEB 25 1986
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. *38167-5*

Suite 3200 — Clark Tower
5100 Poplar Avenue
Memphis, Tennessee 38137
(901) 761-0050

SETRE
CYANAZINE 4L
Herbicide

ACTIVE INGREDIENT

Cyanazine: 2-chloro-4-(1-cyano-1-methylethylamino)-
6-ethyl-amino-s-triazine 43.0%

INERT INGREDIENTS 57.0%

TOTAL 100.0%

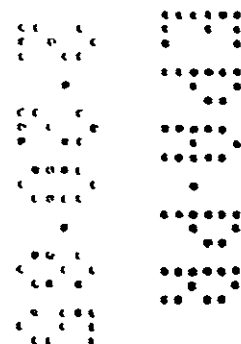
This product contains 4 lbs. cyanazine per gallon.

KEEP OUT OF REACH OF CHILDREN
WARNING
SEE ADDITIONAL PRECAUTIONS ON SIDE PANEL

EPA EST. NO.
EPA REG. NO.

NET CONTENTS

MANUFACTURED BY
SETRE CHEMICAL COMPANY
MEMPHIS, TN. 38137



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PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
WARNING

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

Keep out of reach of domestic animals, particularly cattle. Consumption of this product, spray solution, or water contaminated with product can result in serious illness or possible death of bovines.

STATEMENT OF PRACTICAL TREATMENT

If swallowed, drink one or two glasses of water immediately and induce vomiting by sticking finger down back of throat.

In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Do not use or store around the home environment.

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 FOR USE ON CORN

CYANAZINE 4L Herbicide is a selective preemergence herbicide for the control of annual grasses and broadleaved weeds in field corn. CYANAZINE 4L may also be used preemergence in certain tank-mix combinations with other herbicides as described below.

When CYANAZINE 4L is used alone or in combination with Sutan +, Eradicane, Alachlor (Lasso), or Paraquat, as directed on this label, there is no herbicide carryover which interferes with succeeding crops, and the user can rotate from corn to other crops. When CYANAZINE 4L is used in combination with atrazine, however, only corn or sorghum may be planted the following year. When CYANAZINE 4L is used in combination with Dual, refer to the Dual label for precautions on rotational crops.

As a preemergence herbicide, CYANAZINE 4L is active mainly through the roots; and therefore, its effect on weeds is dependent on adequate rainfall to move the herbicide into the root zone. A rotary hoeing or shallow cultivation is recommended if a rainfall or sprinkler irrigation has not occurred within about ten days after application of CYANAZINE 4L alone, as a tank-mix or as a sequential application. Moisture should be sufficient to wet the top 1 1/2 to 2 inches of soil or make the soil too wet to cultivate; for most soils one-half inch of moisture is sufficient.

Under conditions which delay weed germination, such as low temperature, lack of soil surface moisture, or when germination extends over a long period, the effectiveness of the herbicide may be impaired. Rotary hoeing, a shallow cultivation or a postemergence herbicide treatment may be of benefit under these circumstances. If the corn is cultivated, tillage should be shallow to minimize herbicide dilution in the soil.

CYANAZINE 4L is not effective when used preemergence on peat or muck soils. Do not use CYANAZINE 4L on sands or loamy sands (soils consisting of more than 70% sand) containing less than 1% organic matter. CYANAZINE 4L should be applied only once per crop season.

Observe all cautions and limitations on labeling of all products used in mixtures. The effectiveness of any combination is generally dependent on weed spectrum, soil texture, and soil organic matter content. Suggested rates for CYANAZINE 4L alone and all tank-mix combinations of CYANAZINE 4L with other herbicides can be found in rate tables contained in this label.

APPLICATION DIRECTIONS

General Mixing and Spraying Directions

Be sure the sprayer tank, boom and nozzles have been thoroughly flushed with clean water if another pesticide has been used previously.

Sufficient jet or mechanical agitation should be provided during the filling operation and during application to keep the tank mix combination uniformly suspended. Fill the spray tank at least one-half full of clean water and while pump and agitator are running, add the recommended amount of CYANAZINE 4L to the tank, then fill with water to the desired level. For tank mixes, once the CYANAZINE 4L is completely suspended in the water, add the recommended amount of atrazine, Sutan +, Eradicane 6.7E, alachlor (Lasso) 4EC, Dual 8E, or Paraquat CL to the tank while filling with water to the desired level. For tank mixes with atrazine 80W, completely suspend the atrazine in water prior to adding CYANAZINE 4L. Nitrogen solutions or complete liquid fertilizer may replace all or part of the water as carrier. Always check the compatibility of CYANAZINE 4L or CYANAZINE 4L tank mixes and liquid fertilizer, according to the Jar Test for compatibility instructions below, before the herbicides and fertilizer are mixed in the spray tank. Do not APPLY THE CYANAZINE 4L/PARAQUAT IN SUSPENSION TYPE LIQUID FERTILIZERS.

Allow the pump to run several minutes before application to ensure proper suspension and mixing of CYANAZINE 4L or other various mixtures. If CYANAZINE 4L or tank mix combinations of CYANAZINE 4L with atrazine are allowed to stand in a spray tank or nurse tank for an extended period (several hours or overnight), provide good agitation for several minutes before application to ensure proper suspension and mixing. Tank-mix combinations of CYANAZINE 4L with alachlor (Lasso), Dual, Sutan +, Eradicane, or Paraquat should be continuously agitated and should not be left in the spray tank for prolonged periods without agitation prior to use; batches of these should be mixed and applied the same day.

Apply with flat fan (even flat fan for band application) or flood nozzles in conjunction with 50 mesh nozzle screens and in-line screens. Carefully follow the nozzle manufacturer's recommendation for correct nozzle height, positioning and spacing. Check for uniform distribution of spray droplets. Apply at pressures of 20-40 psi to reduce chemical loss due to fine mist drift.

Check nozzles, pressure, and output regularly to ensure proper calibration and application.

Apply the spray solution containing CYANAZINE 4L evenly to the soil surface using 10-30 gallons per acre for ground application and for CYANAZINE 4L tank-mixes at 15-30 gallons per acre for ground application. CYANAZINE 4L may be applied by air using a minimum of 4 gallons of spray per acre.

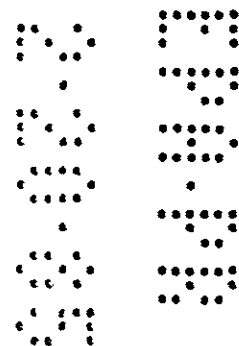
Consult your local Agricultural Extension Agent for help in determining soil texture, organic matter content, and the most appropriate herbicide rate or mixture ratio for local conditions.

WEEDS CONTROLLED BY CYANAZINE 4L ALONE AND IN
COMBINATION WITH HERBICIDE TANK MIXES SHOWN BELOW
GRASSES

Annual bluegrass	Barnyardgrass	Goosegrass	Stinkgrass (Indian
Annual Fescues	Bullgrass	Green foxtail	lovegrass)
Annual (Italian)	Crabgrass	Junglerice	Witchgrass
ryegrass	Fall panicum		Yellow Foxtail
	Giant Foxtail		

BROADLEAVES

Annual groundcherry	Common purslane	Mayweed	Smallflower galinsoga
Annual morningglory	Corn spurry	Nightshade (annual)	Smartweed
Annual sedge	Curly dock (seedling)	Pigweed	(Pennsylvania)
Black mustard	Fiddleneck	Pineappleweed	Sunflower (wild, annu
Buffalobur	Florida pusley	plantain	common)
Buttercup (annual)	(Florida purslane)	poorjoe	Tarweed cuphea
Carpetweed	Hedge mustard	Prickly sida (teaweed)	(Gumweed)
Cocklebur	Jimsonweed	Prostrate knotweed	Velvetleaf
Common chickweed	kochia	Prostrate spurge	Wildbuckwheat
Common groundsel	Ladysthumb	Ragweed	Wild Mustard
Common mallow	Lambsquarters	Shepherdspurse	Wild Radish
			Wild Turnip



Jar Test for Compatibility

- Add one pint of liquid fertilizer or other carrier to be used to two quart jars. Mark one quart jar "with" and the other jar "without."
- To the jar marked "with" add $\frac{1}{4}$ teaspoon of a suitable compatibility agent. Shake gently for 5 to 10 seconds to mix. ($\frac{1}{4}$ teaspoon/pint = 2 pints/100 gallons.)
- To each jar add the appropriate amount of herbicide corresponding to the herbicide rate and spray volume selected (see following table). If more than one herbicide is used, add them separately; wettable powders first, flowables second, and emulsible concentrates last. Shake gently for 5 to 10 seconds after each addition.
- Let stand one-half hour and make observations. If any separation, agglomeration, or precipitation has occurred, again shake the jar 10 to 15 seconds.
 - If mixtures appear to be compatible in both jars, the herbicides can probably be used without a compatibility agent.
 - If the mixture in the jar marked "with" is compatible but the one in the jar marked "without" is incompatible, a compatibility agent should be used.
 - If both mixtures are incompatible, the liquid fertilizer and herbicide should not be used in the same spray tank.

JAR TEST FOR CYANAZINE 4L COMPATIBILITY WITH LIQUID FERTILIZER

Gallons Liquid Fertilizer per Acre	10	15	20	25	30	40
Teaspoons CYANAZINE 4L* per Pints of Fertilizer	2½	1½	1¼	1	¾	½

* Based on 1 quart CYANAZINE 4L (1 pound active ingredient) per acre in fertilizer volumes indicated. Increase volume proportionately to correspond with intended field rate in terms of quarts CYANAZINE 4L per acre (e.g., for field rate of 4 quarts CYANAZINE 4L in 20 gallons fertilizer per acre, add 5 teaspoons CYANAZINE 4L to 1 pint fertilizer for compatibility testing purposes. CALCULATION: At 4 quarts CYANAZINE 4L rate/20 gallons fertilizer, $4 \times 1\frac{1}{4}$ teaspoons = 5 teaspoons CYANAZINE 4L (1 pint of fertilizer).

If a test such as outlined indicates that components of a proposed mix are compatible, the applicator still has the responsibility of combining materials in sequence to the spray tank in accordance with directions prescribed on the label of the herbicides or pesticides involved.

Tests have indicated that compatibility agents, noted below by the various tank mix combinations, may give improved compatibility in liquid fertilizers.

Tank Mix Combination	Compatibility Agents
CYANAZINE 4L/Lasso 4EC (Liquid Fertilizer Grade)	Probably not needed in 28-0-0, 10-34-0. Complex may help in others.
CYANAZINE 4L/Dual 8E	Probably not needed in 28-0-0. Unite, Spray-Mate, Ivory Liquid may help in others.
CYANAZINE 4L/Sulan + 6.7E	Probably not needed in 28-0-0. Incompatible in 10-34-0. Unite, Spray-Mate, Kem-Link may help in others.

Application in Center Pivot Sprinkler Irrigation Water (For use in Western Plains States only)

CYANAZINE 4L alone or in tank-mix combinations with atrazine 4L or alachlor (Lasso) 4EC, may be applied in center pivot sprinkler irrigation water. Apply anytime after planting but prior to crop emergence. Pre-mix the herbicide(s) in water to form a slurry and inject at a carefully calibrated rate into the irrigation water during the entire period of the run. Mix as directed for a spray application.

Provide good agitation for the herbicide mixture throughout the application. Select the correct application rate of CYANAZINE 4L or the CYANAZINE tank-mix combinations from the rate tables listed on the label. Choose the rate according to the soil texture and organic matter as described. For fields with variable soils, use a tank-mix combination or adjust the rate correctly for the coarser textured, low organic matter sections of the field.

Example:

A center pivot sprinkler that is 1320 feet long ($\frac{1}{4}$ mile) will irrigate 125.7 acres. A sandy loam soil containing 2% organic matter will require 2 quarts of CYANAZINE 4L per acre.

$$125.7 \text{ A} \times 2 \text{ lbs.} = 251.4 \text{ lbs. active CYANAZINE 4L}$$

or

$$251.4 \text{ quarts CYANAZINE 4L}$$

$$251.4 = 62.85 \text{ gallons CYANAZINE 4L}$$

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Mixing tank size 600 gallons. Sprinkler takes 20 hours to apply $\frac{1}{2}$ inch of water; injection rate =

$$600 = 30 \text{ gal./hr. or } 0.5 \text{ gal./minute}$$

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Calibrate injection pump to deliver the herbicide mix into the irrigation system at the rate of 30 gallons per hour or 0.5 gallons per minute.

For tank-mix combinations, select the correct dosage rate and follow the same procedures outlined above for each herbicide component.

Apply CYANAZINE 4L alone or in tank-mix combination with atrazine 4L or alachlor 4 EC in $\frac{1}{2}$ to 1 acre inch of water. Use this method of application only with irrigation systems designed for uniform application of water such as center pivot sprinklers.

Additional Use Precautions

- Apply product or tank mixes only through center pivot irrigation systems containing anti-siphon and check valves which will prevent water source contamination and overflow of the slurry tank and containing interlocking controls between metering device and the water pump to ensure simultaneous shut off.
- Inject the product and tank mixes with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing.
- Application of more than label recommended quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness.
- Do not apply when wind speed favors drift, when system connectors leak, when nozzles do not provide uniform distribution, or when lines containing the product must be drained and dismantled.
- Greater accuracy in calibration and distribution will be achieved by injecting a large volume or more dilute slurry per hour.
- Where sprinkler distribution patterns do not overlay sufficiently, unacceptable weed control may result. Where sprinkler distribution patterns overlap excessively, crop injury may result.

Preemergence - CYANAZINE 4L alone.

• Apply CYANAZINE 4L : immediately before planting, at planting, or after planting, but before the crop has emerged. Avoid removal of treated soil from seedrow prior to or during the planting operation.

Use CYANAZINE 4L at 1.2 to 4 quarts per acre in broadcast treatments. (For band application, use proportionately less.) Adjust the rate of application for a given soil as closely as possible to the optimum rate given in the Preemergence Broadcast Application Rates Per Acre for CYANAZINE 4L Table.

CYANAZINE 4L may be applied preemergence with liquid fertilizers. To apply CYANAZINE 4L with liquid fertilizer, fill the spray tank at least one-half full of liquid fertilizer and add the recommended amount of CYANAZINE 4L to the tank, then fill with liquid

fertilizer to the desired level. Sufficient jet or mechanical agitation should be provided during the filling operation and during application to keep the product uniformly suspended. If the fertilizer requirement is less than 15 gallons per acre, add sufficient water to increase the volume of the mixture to ensure adequate volume for even distribution to the soil surface. If incorporation of the fertilizer mixture is desired, use power cultivation equipment set for 2-3 inch depth, or a tandem disc set to penetrate 2-4 inches while operating at 4-6 mph. Do not store CYANAZINE 4L with liquid fertilizer in the sprayer or nurse tank.

Check to ensure the compatibility of CYANAZINE 4L with liquid fertilizer prior to mixing in the spray tank.

PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR CYANAZINE 4L FOR CORN

(For Band Application, Use P. -portionately Less)

Soil Texture Description	Quarts of CYANAZINE 4L Per Acre					
	Percent Organic Matter in Soil*					
	Less than 1%	1%	2%	3%	4%	Over 4%
Sandy, Loamy Sand	Do Not Use**	1.2	1.6	2.0	2.4	2.8
Sandy Loam	1.2	1.6	2.0	2.4	2.8	3.2
Loam, Silt Loam, Silt	1.6	2.0	2.4	2.8	3.2	3.6
Sandy Clay Loam, Clay Loam, Silty Clay Loam	2.0	2.4	2.8	3.2	3.6	4.0
Sandy Clay, Silty Clay, Clay	2.4	2.8	3.2	3.6	4.0	4.0
Peat and Muck	Not Recommended					

*For organic matter content between those listed adjust the rate proportionately.

**Do not use CYANAZINE 4L on sandy or loamy sands (soils consisting of more than 70% sand) containing less than 1% organic matter.

Preemergence Tank Mixes

CYANAZINE 4L/Atrazine 80W or 4L

Use CYANAZINE 4L /Atrazine 80W or 4L as tank-mix combinations at a total rate of 1.2 to 4 pounds contained active ingredient per acre in broadcast treatments. (For band applications, apply proportionately less.) Apply before planting, at planting, or after planting. Avoid removal of treated soil from seedrow prior to or during the planting operation. Adjust the total combined rate of application for a given soil as closely as possible according to the optimum rate given in the Preemergence

Broadcast Application Rate Table for CYANAZINE 4L. Use two parts CYANAZINE 4L to one part atrazine (see Tables I and III for rates) or equal parts of both herbicides (see Tables II and IV for rates) at a combined rate equal to the CYANAZINE 4L rate of application for a particular soil. The two to one ratio of CYANAZINE 4L /atrazine is suggested for grassier conditions. Plant only corn or sorghum the year following the use of CYANAZINE 4L /atrazine tank mixes.

Table I

BROADCAST APPLICATION RATES PER ACRE OF TANK-MIX COMBINATIONS OF CYANAZINE 4L AND ATRAZINE 80W (2 Parts CYANAZINE: 1 Part Atrazine) FOR CORN

Soil Texture Description	Quarts of CYANAZINE 4L + Pounds of Atrazine 80W					
	Percent Organic Matter in Soil*					
	Less than 1%	1%	2%	3%	4%	Over 4%
Sand, Loamy Sand	Do Not Use	0.8+0.5	1.1+0.7	1.3+0.9	1.6+1.0	1.9+1.2
Sandy Loam	0.8+0.5	1.1+0.7	1.3+0.9	1.6+1.0	1.9+1.2	2.1+1.3
Loam, Silt Loam, Silt	1.1+0.7	1.3+0.9	1.6+1.0	1.9+1.2	2.1+1.3	2.4+1.5
Sandy Clay Loam, Clay Loam, Silty Clay Loam	1.3+0.9	1.6+1.0	1.9+1.2	2.1+1.3	2.4+1.5	2.7+1.7
Sandy Clay, Silty Clay, Clay	1.6+1.0	1.9+1.2	2.1+1.3	2.4+1.5	2.7+1.7	2.7+1.7
Peat and Muck	Not Recommended					

*For organic matter content between those listed adjust the rate proportionately.

Table II

**BROADCAST APPLICATION RATES
PER ACRE OF TANK-MIX
COMBINATIONS OF CYANAZINE 4L AND ATRAZINE 80W
(1 Part CYANAZINE: 1 Part Atrazine) FOR CORN**

Soil Texture Description	Quarts of CYANAZINE 4L + Pounds of Atrazine 80W					
	Percent Organic Matter in Soil*					
	Less than 1%	1%	2%	3%	4%	Over 4%
Sand, Loamy Sand	Do Not Use	0.6 + 0.75	0.8 + 1.0	1.0 + 1.25	1.2 + 1.5	1.4 + 1.75
Sandy Loam	0.6 + 0.75	0.8 + 1.0	1.0 + 1.25	1.2 + 1.5	1.4 + 1.75	1.6 + 2.0
Loam, Silt Loam, Silt	0.8 + 1.0	1.0 + 1.25	1.2 + 1.5	1.4 + 1.75	1.6 + 2.0	1.8 + 2.25
Sandy Clay Loam, Clay Loam, Silty Clay Loam	1.0 + 1.25	1.2 + 1.5	1.4 + 1.75	1.6 + 2.0	1.8 + 2.25	2.0 + 2.5
Sandy Clay, Silty Clay, Clay	1.2 + 1.5	1.4 + 1.75	1.6 + 2.0	1.8 + 2.25	2.0 + 2.5	2.0 + 2.5
Peat and Muck	Not Recommended					

*For organic matter content between those listed, adjust the rate proportionately.

Table III

**BROADCAST APPLICATION RATES
PER ACRE OF TANK-MIX
COMBINATIONS OF CYANAZINE 4L AND ATRAZINE 4L
(2 Parts CYANAZINE: 1 Part Atrazine) FOR CORN**

Soil Texture Description	Quarts of CYANAZINE 4L + Quarts of Atrazine 4L					
	Percent Organic Matter in Soil*					
	Less than 1%	1%	2%	3%	4%	Over 4%
Sand, Loamy Sand	Do Not Use	0.8 + 0.4	1.1 + 0.5	1.3 + 0.7	1.6 + 0.8	1.9 + 0.9
Sandy Loam	0.8 + 0.4	1.1 + 0.5	1.3 + 0.7	1.6 + 0.8	1.9 + 0.9	2.1 + 1.1
Loam, Silt Loam, Silt	1.1 + 0.5	1.3 + 0.7	1.6 + 0.8	1.9 + 0.9	2.1 + 1.1	2.4 + 1.2
Sandy Clay Loam, Clay Loam, Silty Clay Loam	1.3 + 0.7	1.6 + 0.8	1.9 + 0.9	2.1 + 1.1	2.4 + 1.2	2.7 + 1.3
Sandy Clay, Silty Clay, Clay	1.6 + 0.8	1.9 + 0.9	2.1 + 1.1	2.4 + 1.2	2.7 + 1.3	2.7 + 1.3
Peat and Muck	Not Recommended					

*For organic matter content between those listed, adjust the rate proportionately.

Table IV

**BROADCAST APPLICATION RATES
PER ACRE OF TANK-MIX
COMBINATIONS OF CYANAZINE 4L AND ATRAZINE 4L
(1 Part CYANAZINE: 1 Part Atrazine) FOR CORN**

Soil Texture Description	Quarts of CYANAZINE 4L + Quarts of Atrazine 4L					
	Percent Organic Matter in Soil*					
	Less than 1%	1%	2%	3%	4%	Over 4%
Sand, Loamy Sand	Do Not Use	0.6 + 0.6	0.8 + 0.8	1.0 + 1.0	1.2 + 1.2	1.4 + 1.4
Sandy Loam	0.6 + 0.6	0.8 + 0.8	1.0 + 1.0	1.2 + 1.2	1.4 + 1.4	1.6 + 1.6
Loam, Silt Loam, Silt	0.8 + 0.8	1.0 + 1.0	1.2 + 1.2	1.4 + 1.4	1.6 + 1.6	1.8 + 1.8
Sandy Clay Loam, Clay Loam, Silty Clay Loam	1.0 + 1.0	1.2 + 1.2	1.4 + 1.4	1.6 + 1.6	1.8 + 1.8	2.0 + 2.0
Sandy Clay, Silty Clay, Clay	1.2 + 1.2	1.4 + 1.4	1.6 + 1.6	1.8 + 1.8	2.0 + 2.0	2.0 + 2.0
Peat and Muck	Not Recommended					

*For organic matter content between those listed, adjust the rate proportionately.

CYANAZINE 4L / Alachlor (Lasso) 4 EC

Use 0.6 to 2.0 quarts per acre of CYANAZINE 4L plus 2 quarts per acre of Lasso 4 EC (except on clays over 4% organic matter when Lasso should be applied at 2.5 quarts per acre) as a tank-mix combination immediately

before planting, at planting, or after planting, but before the crop has emerged. Avoid removal of treated soil from the seedrow prior to or during the planting operation. Use the rates recommended in Table V. (For band applications, apply proportionately less.)

Table V
**BROADCAST APPLICATION RATES
PER ACRE OF TANK-MIX
COMBINATIONS OF CYANAZINE 4L
AND ALACHLOR (LASSO) 4 EC FOR CORN**

Soil Texture Description	Quarts of CYANAZINE 4L + Quarts of Alachlor 4 EC					
	Percent Organic Matter in Soil*					
	Less than 1%	1%	2%	3%	4%	Over 4%
Sand, Loamy Sand	Do Not Use	0.6 + 2.0	0.8 + 2.0	1.0 + 2.0	1.2 + 2.0	1.4 + 2.0
Sandy Loam	0.6 + 2.0	0.8 + 2.0	1.0 + 2.0	1.2 + 2.0	1.4 + 2.0	1.6 + 2.0
Loam, Silt Loam, Silt	0.8 + 2.0	1.0 + 2.0	1.2 + 2.0	1.4 + 2.0	1.6 + 2.0	1.8 + 2.0
Sandy Clay Loam, Clay Loam, Silty Clay Loam	1.0 + 2.0	1.2 + 2.0	1.4 + 2.0	1.6 + 2.0	1.8 + 2.0	2.0 + 2.0
Sandy Clay, Silty Clay, Clay	1.2 + 2.0	1.4 + 2.0	1.6 + 2.0	1.8 + 2.0	2.0 + 2.0	2.0 + 2.5
Peat and Muck	Not Recommended					

*For organic matter content between those listed, adjust the rate proportionately.

CYANAZINE 4L / Dual 8E

Use 0.8 to 2.5 quarts per acre of CYANAZINE 4L with 1.25 to 2.5 pints per acre of Dual 8E as a tank mix combination before planting, at planting, or after planting but before the corn has emerged. If applied before planting, incorporate the herbicide combination into the soil to avoid moving the treated soil from the row during planting. If incorporating, use power-driven cultivation equipment set for 2-3 inch depth or a tandem disc set to penetrate 2-4

inches while operating at 4-6 mph. For thorough mixing, disc in two directions and follow with a harrow, drag, or other leveling device. Prior to the second discing, readjust the disc to prevent cutting deeper than 4 inches. If corn is planted on beds, apply and incorporate the tank mixture after bed formation.

Use the rates recommended in Table VI for broadcast applications. (For band application, apply proportionately less.)

Table VI
**BROADCAST APPLICATION RATES
PER ACRE OF TANK-MIX
COMBINATIONS OF CYANAZINE 4L
AND DUAL 8E FOR CORN**

Soil Texture Description	Pounds of CYANAZINE 4L + Pints of Dual 8E			
	Percent Organic Matter in Soil*			
	Less Than 1%	1% to 2.5%	2.5% to 4%	Over 4%
Sand, Loamy Sand	Do Not Use	0.8 - 1.4 + 1.25 - 1.5	1.4 - 1.6 + 1.5 - 1.75	1.75 + 2.0
Sandy Loam	0.8 + 1.25	1.2 - 1.4 + 1.25 - 1.5	1.4 - 1.75 + 1.5 - 1.75	2.0 + 2.0
Loam, Silt Loam, Silt	1.2 + 1.5	1.4 - 1.75 + 1.5 - 1.75	1.75 - 2.0 + 1.75 - 2.0	2.25 + 2.25
Sandy Clay Loam, Clay Loam, Silty Clay Loam, Sandy Clay, Silty Clay, Clay	1.4 + 1.5	1.6 - 2.0 + 1.75 - 2.0	2.0 - 2.25 + 2.0 - 2.25	2.25 + 2.5
Peat and Muck	Not Recommended			

*For higher organic matter levels use the higher dosage rates.

CYANAZINE 4L / Paraquat CL

Use **CYANAZINE 4L** + Paraquat CL as a tank-mix combination in broadcast treatments to kill existing vegetation and provide residual control of weeds where corn will be planted directly into a cover crop, established sod, or onto previous crop residues. This tank-mix combination may be applied in liquid nitrogen and/or complete liquid fertilizer solutions when 25 gallons or more of diluted spray are applied per acre. Liquid fertilizers containing phosphate will reduce the activity of Paraquat CL. When liquid fertilizer solutions containing phosphorus are used with Paraquat CL and a rapid kill is desired, use the high rate Paraquat CL label rate. *Do not apply CYANAZINE 4L plus Paraquat in suspension type liquid fertilizers.* For minimum-till or no-till corn production, use **CYANAZINE 4L** at rates given in the Preemergence Broadcast Application Rates Per Acre Table for **CYANAZINE 4L** for your soil texture, and add one or two pints of Paraquat CL. (For band application, use proportionately less.) Add X-77™ at 8 fluid ounces per 100 gallons of diluted spray, or other suitable surfactant at its recommended rate.

CYANAZINE 4L / Dual 8E / Paraquat CL

Use **CYANAZINE 4L** + Dual 8E + Paraquat CL as a tank-mix combination in broadcast treatments to kill existing vegetation and provide residual control of weeds where corn will be planted directly into a cover crop, established sod, or residues of previous crops. This tank-mix combination may be applied in liquid nitrogen and/or complete liquid fertilizer solutions when 25 gallons or more of diluted spray are applied per acre. Liquid fertilizers containing phosphate will reduce the activity of Paraquat CL. When liquid fertilizer solutions containing phosphorus are used with Paraquat CL and a rapid kill is desired, use the high Paraquat CL label rate. *Do not apply CYANAZINE plus Paraquat in suspension type liquid fertilizer.* For minimum-till or no-till corn production, use **CYANAZINE 4L** and Dual 8E at rates given in Table VI entitled "Broadcast Application Rates Per Acre of Tank-Mix Combinations of **CYANAZINE 4L** and Dual 8E on Corn"

for your soil texture, and add one or two pints of Paraquat CL. (For band application, use proportionately less.) Add X-77™ at 8 fluid ounces per 100 gallons of diluted spray, or other suitable surfactant at its recommended rate.

**Preplant Incorporated Tank Mixes or
Preplant Incorporated with a
Sequential Preemergence Application of
CYANAZINE 4L**

CYANAZINE 4L / Sutan + 6.7E

Use 0.8 to 2 quarts per acre of **CYANAZINE 4L** plus 1.8 to 2.4 quarts per acre of Sutan + 6.7E as either a tank-mix combination and incorporate immediately or apply **CYANAZINE 4L** preemergence following preplant incorporated application of Sutan + 6.7E. Use the rates recommended in Table VII. (For band applications, apply proportionately less.) For incorporation, use power-driven cultivation equipment set for a two-to three-inch depth, or a tandem disc set to cut to a depth of about 4 inches while operating at four to six miles per hour. For thorough mixing, disc in two directions, and follow with a harrow, drag or other leveling device. Prior to the second discing, readjust the disc to prevent cutting deeper than 4 inches.

Existing stands of yellow and purple nutsedge must be turned under and chopped up prior to chemical treatments.

DO NOT USE FOR MILO OR SORGHUM. DO NOT USE FOR CORNSEED STOCK.

**Additional Weeds Controlled by CYANAZINE 4L
Plus Sutan + 6.7E Combinations**

Grasses	Sandbur Shattercane (Wild Cane)* Texas Panicum
Sedges	Yellow nutsedge (Yellow nutgrass) Purple nutsedge (Purple nutgrass)

*Suppression only—refer to the Sutan + label for appropriate supplemental cultural and tillage practices.

Table VII

**BROADCAST APPLICATION RATES
PER ACRE OF TANK-MIX
COMBINATIONS OF CYANAZINE 4L
AND SUTAN + 6.7E* FOR CORN**

Soil Texture Description	Quarts of CYANAZINE 4L + Quarts of SUTAN + 6.7E					
	Percent Organic Matter in Soil**					
	Less than 1%	1%	2%	3%	4%	Over 4%
Sand, Loamy Sand	Do Not Use	0.8 + 1.8	1.0 + 1.8	1.2 + 1.8	1.4 + 1.8	1.6 + 1.8
Sandy Loam	0.8 + 1.8	1.0 + 1.8	1.2 + 1.8	1.4 + 1.8	1.6 + 1.8	1.8 + 1.8
Loam, Silt Loam, Silt	1.0 + 1.8	1.2 + 1.8	1.4 + 1.8	1.6 + 1.8	1.8 + 1.8	2.0 + 2.4
Sandy Clay Loam, Clay Loam, Silty Clay Loam	1.2 + 1.8	1.4 + 1.8	1.6 + 1.8	1.8 + 1.8	2.0 + 2.4	2.0 + 2.4
Sandy Clay, Silty Clay, Clay	1.4 + 1.8	1.6 + 1.8	1.8 + 1.8	2.0 + 1.8	2.0 + 2.4	2.0 + 2.4
Peat and Muck	Not Recommended					

*Use the rates in this table for general weed control. For fields with moderate to heavy infestations of sandbur, wildcane, nutsedge, Texas panicum, refer to the Sutan + label for appropriate higher rates. Do not apply **CYANAZINE** / Sutan + on sands and loamy sands of less than one percent organic matter and the light sandy soils of eastern coastal states. Cultivation is suggested in addition to the **CYANAZINE** / Eradicane treatment in fields with a moderate to heavy infestation of sandbur, wildcane, Texas panicum or nutgrass.

**For organic matter content between those listed, adjust the rate proportionately.

CYANAZINE 4L/Eradicane 6.7E

Use 0.8 to 2.0 quarts per acre of CYANAZINE 4L plus 1.8 to 2.4 quarts per acre of Eradicane 6.7E as a tank-mix combination and incorporate immediately or apply CYANAZINE 4L preemergence following preplant incorporated application of Eradicane 6.7E. Use the rates recommended in Table VIII (For band applications, apply proportionately less.) For incorporation, use power-driven cultivation equipment set for a two- to three-inch depth, or a tandem disc set to cut to a depth of about four inches while operating at four to six miles per hour. For thorough mixing, disc in two directions (cross disc), and follow with a harrow, drag or other leveling device. Prior to the second discing, readjust the disc to prevent cutting deeper than four inches.

Existing stands of quackgrass, purple and yellow nutsedge must be turned under and thoroughly chopped up prior to chemical treatments.

DO NOT USE FOR MILO OR SORGHUM. DO NOT USE FOR CORNSEED STOCK.

**Additional Weeds Controlled by CYANAZINE 4L
Plus Eradicane 6.7E Combinations**

Grasses	Sandbur Shattercane (Wild Cane)* Quackgrass
Perennial Weeds	Nutsedge (nutgrass)

**Suppression only — refer to the Eradicane label for appropriate supplemental cultural and tillage practices.*

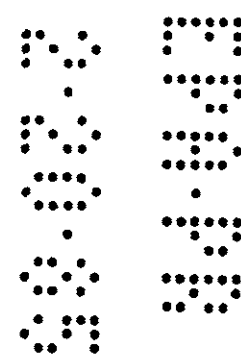
Table VIII

**BROADCAST APPLICATION RATES
PER ACRE OF TANK-MIX
COMBINATIONS OF CYANAZINE 4L
AND ERADICANE 6.7E* FOR CORN**

Soil Texture Description	Quarts of CYANAZINE 4L + Quarts of ERADICANE 6.7E					
	Percent Organic Matter In Soil**					
	Less than 1%	1%	2%	3%	4%	Over 4%
Sand, Loamy Sand	Do Not Use	0.8 + 1.8	1.0 + 1.8	1.2 + 1.8	1.4 + 1.8	1.6 + 1.8
Sandy Loam	0.8 + 1.8	1.0 + 1.8	1.2 + 1.8	1.4 + 1.8	1.6 + 1.8	1.8 + 1.8
Loam, Silt Loam Silt	1.0 + 1.8	1.2 + 1.8	1.4 + 1.8	1.6 + 1.8	1.8 + 1.8	2.0 + 2.4
Sandy Clay Loam, Clay Loam, Silty Clay Loam	1.2 + 1.8	1.4 + 1.8	1.6 + 1.8	1.8 + 1.8	2.0 + 2.4	2.0 + 2.4
Sandy Clay, Silty Clay, Clay	1.4 + 1.8	1.6 + 1.8	1.8 + 1.8	2.0 + 1.8	2.0 + 2.4	2.0 + 2.4
Peat and Muck	Not Recommended					

**Use the rates in this table for general weed control. For fields with moderate to heavy infestations of sandbur, wildcane, nutsedge, Texas panicum, or quackgrass, refer to the Eradicane label for appropriate higher rates. Do not apply CYANAZINE 4L on sands and loamy sands of less than one percent organic matter and the light sandy soils of eastern coastal states. Cultivation is suggested in addition to the CYANAZINE 4L/Eradicane treatment in fields with a moderate to heavy infestation of sandbur, wild cane, or nutgrass.*

***For organic matter content between those listed, adjust the rate proportionately.*



GENERAL INFORMATION For use in grain sorghum

CYANAZINE 4L Herbicide is a selective preemergence herbicide for use in combination with propachlor 65 WP (Ramrod 65 WP) for the control of the following weeds in grain sorghum:

Grasses	Broadleaves
Barnyardgrass	Annual morningglory
Crabgrass	Carpetweed
Fall panicum	Cocklebur
Giant foxtail	Common lambsquarters
Green foxtail	Pigweed
Yellow foxtail	Smartweed (Pennsylvania)
	Tall waterhemp
	Velvetleaf

CYANAZINE 4L is a selective preemergence herbicide for use in combination with propazine 80 WP (Milogard 80W) for the control of the following weeds in grain sorghum.

Grasses	Broadleaves
Fall panicum	Annual morningglory
Giant foxtail	Cocklebur
Green foxtail	Common lambsquarters
Large crabgrass	Common purslane
Smooth crabgrass	Pigweed
Yellow foxtail	Puncturevine
	Velvetleaf

As a preemergence herbicide, **CYANAZINE 4L** is active mainly through the roots and therefore its effect on weeds is dependent on adequate rainfall to move the herbicide into the root zone. Moisture should be sufficient to wet the top 1½ to 2 inches of soil or make the soil too wet to cultivate; for most soils one-half inch of moisture is sufficient. A rotary hoeing or shallow cultivation is recommended if a rainfall or sprinkler irrigation has not occurred within about ten days after application. Under conditions which delay weed germination, such as low temperatures, lack of soil surface moisture, or when germination extends over a long period, the effectiveness of the herbicide may be impaired. Rotary hoeing, a shallow cultivation, or a postemergence herbicide treatment may be of benefit under these circumstances. If the grain sorghum is cultivated, tillage should be shallow to minimize herbicide dilution in the soil.

CYANAZINE in tank mix combination with propachlor or propazine should be applied only once per crop season. If replanting of grain sorghum is necessary, it may be planted in soil previously treated with these mixtures. Do not make a second application or crop injury may occur.

When **CYANAZINE 4L** + propachlor tank mix is used as directed on this label, the user can rotate from grain sorghum to other crops. Only apply this tank mix to grain sorghum grown in states east of the Rocky Mountains; in Texas, apply only in the Texas Blacklands and Gulf Coast/Coastal Bend areas.

CYANAZINE 4L in tank mix combination with propazine should be applied to grain sorghum grown only in the states of Texas (the Texas Blacklands and Gulf Coast/Coastal Bend areas only), Oklahoma, and Kansas. In the Texas Blacklands and Gulf Coast/Coastal Bend areas, fields treated with **CYANAZINE 4L** + propazine tank mix may be planted to cotton, soybeans or corn 12 months after treatment. Other crops should not be planted for 18 months following treatment. In Oklahoma, fields treated with **CYANAZINE 4L** + propazine tank mix may be planted to cotton or corn 12 months or more after application. In Kansas, corn may be planted in rotation 12 months after

treatment. In Oklahoma and Kansas other crops should not be planted for 18 months following treatment.

Observe all cautions and limitations on labeling of all products used in mixtures. The effectiveness of any combination is generally dependent on weed spectrum, moisture, soil texture and soil organic matter content. Suggested rates for all tank mix combinations of **CYANAZINE 4L** with other herbicides can be found in the following rate tables.

Consult your local Agricultural Extension Agent for help in determining soil texture, organic matter content, and the most appropriate herbicide rate or mixture ratio for local conditions.

APPLICATION DIRECTIONS

General mixing and spraying directions

Be sure the sprayer tank, boom and nozzles have been thoroughly flushed with clean water prior to use.

Sufficient jet or mechanical agitation should be provided during the filling operation and during application to keep the **CYANAZINE** uniformly suspended. Fill the spray tank at least one half full of clean water and with pump and agitator running, add the recommended amount of **CYANAZINE 4L** to the tank. When the **CYANAZINE 4L** is completely suspended in the water, add the recommended amount of propachlor or propazine to the tank while filling with water to the desired level.

Allow the pump to run several minutes before application to ensure complete suspension and mixing. **CYANAZINE 4L** with propachlor or propazine should not be left in the spray tank for prolonged periods. Batches of these combinations should be mixed and applied the same day.

Apply with flat fan (even flat fan for band application) or flood nozzles in conjunction with 50 mesh nozzle screens and in-line screens. Carefully follow the nozzle manufacturer's recommendation for correct nozzle height, positioning and spacing. Flood nozzles should have a 50% overlap in spray pattern. Check for uniform distribution of spray droplets. Apply at pressures of 20-40 psi to reduce chemical loss due to fine mist drift. Check nozzle pressure and output regularly to assure proper calibration and application of tank mix combinations.

Apply these tank mix combinations in 20 to 30 gallons of water per acre for ground application.

CYANAZINE 4L / Propachlor 65 WP

Apply **CYANAZINE 4L** + propachlor 65 WP as tank mix combinations at planting, or after planting, but before the crop and weeds emerge. Adjust the rate of application for a given soil to the optimum dosage rates shown in Table IX.

CYANAZINE 4L / Propazine 80WP

Apply **CYANAZINE 4L** + propazine 80 WP as tank mix combinations at planting, or after planting, but before the crop and weeds emerge. Adjust the rate of application for a given soil to the optimum dosage rates shown in Table X. The combination of **CYANAZINE 4L** plus propazine reduces the potential of herbicide carryover.

TABLE IX
BROADCAST APPLICATION RATES PER ACRE FOR
CYANAZINE 4L + PROPACHLOR
65 WP FOR GRAIN SORGHUM¹

Soil Texture Description ²	Organic Matter In Soil ³					
	2%			3%		
	Qts. CYANAZINE 4L	Lbs. Propachlor 65 WP		Qts. CYANAZINE 4L	Lbs. Propachlor 65 WP	
Sandy Loam	1.0	+	3.6	1.2	+	4.5
Loam, silt loam, silt	1.2	+	4.5	1.4	+	5.1
Sandy clay loam, clay loam, silty clay loam	1.4	+	5.1	1.6	+	6.0
Sandy clay, silty clay, clay	1.6	+	6.0	1.6	+	6.0
Peat and muck	NOT RECOMMENDED					

¹ For band application use proportionately less.

² For organic matter content between those listed adjust the rate proportionately.

Do not use CYANAZINE /propachlor combinations on sand and loamy sand soils.

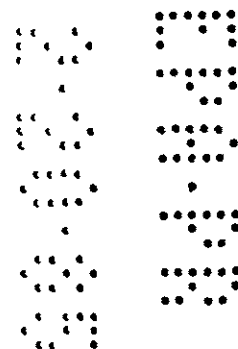
TABLE X
BROADCAST APPLICATION RATES PER ACRE
FOR CYANAZINE 4L + PROPAZINE 80WP
FOR GRAIN SORGHUM¹

Soil Texture Description ²	Qts. CYANAZINE 4L	+	Lbs. Propazine 80 WP
Loam, silt loam, silt	0.8	+	1.0
Sandy clay loam, clay loam, silty clay loam	1.0	+	1.25
Sandy clay, silty clay, clay	1.2	+	1.5
Peat and muck	NOT RECOMMENDED		

¹ For band application use proportionately less.

² The same dosage rates apply regardless of the organic matter content.

Do not use CYANAZINE 4L /propazine 80 WP combinations on sand, loamy sands and sandy loam soils.



GENERAL INFORMATION for use in cotton.

WEEDS CONTROLLED BY PREEMERGENCE

APPLICATION OF CYANAZINE 4L

Annual Morningglory species
Cocklebur
Prickly sida (teaweed)
Spurge (prostrate and spotted)

WEEDS CONTROLLED BY POSTEMERGENCE

APPLICATION OF CYANAZINE 4L

Annual Morningglory (tall, smallflower,
small white and ivyleaf)
Cocklebur
Prickly sida (teaweed)
Pigweed (redroot and spiny)
Spurge (spotted)

Preemergence Use

CYANAZINE 4L Herbicide is a selective preemergence herbicide for early season weed control in cotton. Supplemental practices (such as directed postemergence **CYANAZINE 4L** application) may be necessary to control late season weeds. **CYANAZINE 4L** can be used on cotton either alone or following a preplant incorporated application of trifluralin (Treflan®). **CYANAZINE 4L** may be applied preemergence in the states of Alabama, Arkansas, Georgia, Louisiana, Mississippi, Missouri, Oklahoma, Tennessee and some areas of Texas (Texas Gulf Coast/Coastal Bend and Blacklands only).

As a preemergence herbicide, **CYANAZINE 4L** is active mainly through the roots, and therefore its effect on weeds is dependent on adequate rainfall to move the herbicide into the root zone. Moisture should be sufficient to wet the top 1 1/2 to 2 inches of soil or make the soil too wet to cultivate; for most soils one-half inch of moisture is sufficient. A shallow cultivation is recommended if rainfall has not occurred within about 10 days after application. Under conditions which delay weed germination, such as low temperatures, lack of soil surface moisture, or when germination extends over a long period, the effectiveness of the herbicide may be impaired. Rotary hoeing or a shallow cultivation may be of benefit under these circumstances. If the cotton is cultivated, tillage should be shallow to minimize herbicide dilution in the soil.

Select the proper rate of **CYANAZINE 4L** for the particular soil texture of the field to be treated. Consult your local Agricultural Extension Agent for help in determining the soil texture, organic matter and the most appropriate herbicide rate for local conditions. Do not use **CYANAZINE 4L** on soils containing less than 1% organic matter. In fields where the soil texture changes from coarse to fine, do not use the fine rate on the medium or coarse soil areas, or the medium rate on the coarse soil areas. Avoid overlapping the spray pattern or overdosing the field with **CYANAZINE 4L**. Application rates above those recommended for the soil texture can result in yellowing or stunting of the crop and may result in stand reduction.

While cotton exhibits tolerance to **CYANAZINE 4L**, adverse growing conditions such as excessive rains, standing water or cold weather may result in stand reduction.

Should the cotton stand be lost to adverse weather conditions, the field can be replanted to cotton or soybeans.

When **CYANAZINE 4L** is used as directed on this label there is no **CYANAZINE** herbicide carryover to interfere with succeeding crops, and the user can rotate from cotton to other crops.

DO NOT GRAZE OR FEED FOLIAGE FROM TREATED AREAS TO LIVESTOCK.

Postemergence Use

CYANAZINE 4L is effective for the control of certain broadleaf weeds when applied as a directed postemergence treatment. **CYANAZINE 4L** may be applied postemergence in the states of Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee and some areas of Texas (Texas Gulf Coast/Coastal Bend and Blacklands only).

Care must be taken to prevent contact of the **CYANAZINE 4L** spray with cotton leaves as injury will occur. Use precision application equipment so that the spray is directed to the soil around the base of the cotton plants and still covers the emerged weeds beneath the cotton.

When **CYANAZINE 4L** is used as directed on this label, there is no **CYANAZINE** herbicide carryover to interfere with succeeding crops and the user can rotate from cotton to other crops.

DO NOT GRAZE OR FEED FOLIAGE FROM TREATED AREAS TO LIVESTOCK

APPLICATION DIRECTIONS

General Mixing and Spraying Directions

Be sure the sprayer tank, boom and nozzles have been thoroughly flushed with clean water prior to use.

Sufficient jet or mechanical agitation should be provided during the filling operation and during application to keep the **CYANAZINE 4L** uniformly suspended. Fill the spray tank at least one-half full of clean water, and with pump and agitator running, add the recommended amount of **CYANAZINE 4L** to the tank, then add water to the desired level.

Allow the pump to run several minutes before application to ensure complete suspension and mixing of **CYANAZINE 4L**. If **CYANAZINE 4L** is allowed to stand in a spray tank or nurse tank for an extended period (several hours or overnight), provide good agitation for several minutes before application to ensure complete suspension and mixing.

Apply with flat fan nozzles (even flat fan for band application) in conjunction with 50 mesh nozzle screens and in line screens. Carefully follow the nozzle manufacturer's recommendation for correct nozzle height, positioning and spacing. Check for uniform distribution of spray droplets. Apply at pressures of 20-40 psi to reduce chemical loss due to fine mist drift. Check nozzle pressure and output regularly to ensure proper calibration and application.

Apply the spray solution containing **CYANAZINE 4L** evenly to the soil surface using 15-30 gallons per acre for ground application.

Preemergence

Apply **CYANAZINE 4L** at planting, or after planting but before the crop has emerged. Use 0.8 to 2.0 quarts per acre of **CYANAZINE 4L** depending on soil texture, as indicated in Table I.

TABLE I
PREEMERGENCE BROADCAST APPLICATION
RATES PER ACRE FOR CYANAZINE 4L FOR COTTON
(For Band Application, Use Proportionately Less)

Soil Texture (Must contain at least 1% Organic Matter)	Soil Texture Description	Qts. CYANAZINE 4L Organic Matter	
		1 - 1.5%	Over 1.5%
Coarse soils	Sandy loam	0.8	0.8
Medium soils	Silt and silt loam	0.8 - 1.0	1.0
	Loam, clay loam, sandy clay loam and sandy clay	1.2 - 1.6	1.6
Fine soils	Silty clay loam, silty clay and clay	1.6 - 2.0	2.0

Do not use **CYANAZINE** on coarse soils (sands and loamy sands containing more than 70% sand). Do not use **CYANAZINE 4L** on soils containing less than 1% organic matter. Use of **CYANAZINE** on sands and loamy sands and/or soils containing less than 1% organic matter will likely result in injury to the cotton crop.

Postemergence

CYANAZINE may be applied directed postemergence to cotton and either preemergence to weeds or postemergence to weeds. Apply before weeds are more than 2 inches tall. Apply the directed postemergence treatment after the cotton has attained the minimum height of 6 inches. See Table II for rates. For layby treatment, apply **CYANAZINE 4L** after the cotton has attained a height of 12 inches or more. See Table III for rates.

The spray solution should be directed to the soil around the base of the cotton plants. Care should be taken to prevent the spray from striking the cotton leaves as injury will occur.

To enhance the effectiveness of **CYANAZINE 4L** when applied postemergence, an agricultural surfactant such as SPRET, ACTIVATE, X-77, WK, STEROX NJ or other similar surfactants whose ingredients are cleared for use under 40 CFR 180.1001 should be added to the spray mixture. Add 1 to 2 quarts of the surfactant (as directed by the manufacturer) to each 100 gallons of spray mixture.

CYANAZINE 4L may be applied postemergence following a pre-emergence application of **CYANAZINE**. Apply no more than two postemergence applications and one preemergence application to the same crop in any one year.

TABLE II
DIRECTED POSTEMERGENCE APPLICATION
RATES PER ACRE FOR CYANAZINE 4L FOR COTTON

Broadcast	Banded 38" Row	
	12" Band	19" Band
0.6 - 1.0 quart	0.2 - 0.3 quart	0.3 - 0.5 quart

Use the maximum rate when dry or arid conditions exist.

TABLE III
LAYBY APPLICATION RATES PER ACRE
FOR CYANAZINE 4L FOR COTTON

Height of Cotton	Soil Texture	Soil Texture Description	Broadcast Rates (For Band Application, Use Proportionately Less)
12 inches or more	Coarse	Sandy loam	0.8 quart
	Medium	Silt and silt loam, loam, clay loam, sandy clay loam and sandy clay	1.2 quarts
	Fine	Silty clay loam, silty clay and clay	1.6 quarts

CYANAZINE 4L Plus MSMA

CYANAZINE 4L may also be applied in a tank-mix combination with MSMA as a directed postemergence treatment in cotton. See Table IV for rates. Apply before weeds are more than 2 inches tall. The combination will control those weeds on the MSMA label plus the weeds controlled by **CYANAZINE 4L**.

Apply **CYANAZINE 4L** plus MSMA after the cotton is 6 inches tall but before it reaches the first bloom stage. The spray solution should be directed to the soil around the base of the cotton plants. Care should be taken to prevent the spray from striking the cotton leaves as injury will occur.

To enhance the effectiveness of **CYANAZINE 4L** plus MSMA when applied postemergence, an agricultural surfactant such as SPRET, ACTIVATE, X-77, WK, STEROX NJ or other similar surfactants whose ingredients are cleared for use under 40 CFR 180.1001 should be added to the spray mixture. Add 1 to 2 quarts of the surfactant (as directed by the manufacturer) to each 100 gallons of spray mixture.

CYANAZINE plus MSMA may be applied postemergence following a preemergence application of **CYANAZINE**. Apply no more than two postemergence applications and one preemergence application to the same crop in any one year.

Observe all cautions and limitations on labeling of all products used in tank-mix combinations.

TABLE IV
DIRECTED POSTEMERGENCE APPLICATION RATES
PER ACRE CYANAZINE 4L + MSMA FOR COTTON

Broadcast	Banded 38" Row	
	12" Band	19" Band
0.6 - 1.0 Quart CYANAZINE 4L + 4 Pints MSMA (4 lb/gal) or 2.4 Pints MSMA (6.6 lb/gal)	0.2 - 0.3 Quart + 1.3 pints or 0.8 pint	0.3 - 0.5 Quart + 2 pints or 1.2 pints

CONDITIONS OF SALE - LIMITED WARRANTY
AND LIMITATIONS OF LIABILITY AND REMEDIES

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of Setre or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. Setre warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of Setre. Setre makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warrant shall be implied by law.

The exclusive remedy against Setre for any cause of action relating to the handling or use of this product is a claim for damage and in no event shall damages or any other recovery of any kind against Setre exceed the price of the product which causes the alleged loss, damage, injury, or other claim. Setre shall not be liable and any and all claims against Setre are waived, for special, indirect, incidental, or consequential damages or expense, of any nature, including, but not limited to, loss of profits or income, whether or not based on Setre's negligence, breach of warranty, strict liability in tort or any other cause of action.

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