

RESTRICTED USE PESTICIDE

This product is a restricted use herbicide due to reproductive and ground and surface water concerns. Users must read and follow all precautionary statements and instructions for use in order to minimize potential for cyanazine to reach ground and surface water.

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.



ACCEPTED
JUN 26 1997
Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under EPA Reg. No. 1812-366

CY-PROTM 4L

HERBICIDE

Made in the USA

ACTIVE INGREDIENTS

Cyanazine: 2[[4-chloro-6-(ethylamino)-s-triazin- 2-yl]amino]-2-methylpropionitrile.....	43%
INERT INGREDIENTS.....	57%
TOTAL.....	100%

Contains 4 pounds active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN WARNING - AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED:** Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
 - IF IN EYES:** Flush with plenty of water. If irritation persists, call a physician.
 - IF ON SKIN:** Wash immediately with plenty of soap and water.
 - IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.
- See Label for Additional Precautions and Directions for Use.

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (AND DOMESTIC ANIMALS) WARNING

May be fatal if swallowed. Harmful if inhaled or absorbed through the skin. Causes temporary eye injury. This product may be hazardous to your health. This product is classified "Restricted Use" because, at doses which caused serious maternal illness in laboratory animals, birth defects were present. Use of protective clothing and equipment and following the precautions below can reduce risk. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Do not get in eyes or on clothing. Keep out of reach of domestic animals, particularly cattle. Consumption of this product, spray solutions, or water contaminated with product can result in serious illness or possible death of bovines.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or polyvinyl chloride or viton or neoprene rubber
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant apron when cleaning equipment, mixing or loading

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering control statements:

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning equipment or disposing of wastes. Cyanazine, the active ingredient in Cy-Pro 4L has been detected in surface waters that receive runoff from treated area. To minimize cyanazine runoff, follow the Best Management Practices outlined in the Directions For Use section of this label.

Cyanazine is a chemical which can move (seep or travel) through soil and can contaminate groundwater which may be used as drinking water. Cyanazine has been found in groundwater as a result of agricultural use. Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material. Users are advised not to apply Cy-Pro 4L where the water table (groundwater) is close to the surface and where the soils are very permeable (i.e., well drained soils such as loamy sand(s)). Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of pesticide application. 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 (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or polyvinyl chloride or viton or neoprene rubber.
- Shoes plus socks
- Protective eyewear

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food or feed by storage or disposal. Do not use or store around the home environment. Avoid contact with water. In case of spill or leak, soak up with sand, earth or synthetic absorbent (do not use alkaline absorbents) and dispose of wastes in compliance with local, state or federal regulations. Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to applicable federal, state or local procedures.

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

IMPORTANT NOTICE – CYANAZINE RATE LIMITS

Rate limits and other restrictions for each year described below apply to cyanazine from all sources. Adhere to the rate limits in this label and observe the following requirements for the time period indicated.

1996 Calendar Year:

Do not apply more than 6.5 pounds active ingredient per acre per year.

1997 Calendar Year:

Do not apply more than 5.0 pounds active ingredient per acre per year.

1998 Calendar Year:

Do not apply more than 3.0 pounds active ingredient per acre per year. An enclosed cab is required when applying this product. An enclosed cab must have a nonporous barrier that totally surrounds the occupants and prevents contact with pesticides outside of the cab.

1999-2002 Calendar Years:

Do not apply more than 1.0 pound active ingredient per acre per year. An enclosed cab is required when applying this product. This product cannot be sold or distributed after September 30, 2002 and cannot be used after December 31, 2002.

CORN

WEEDS CONTROLLED BY CY-PRO 4L ALONE AND IN COMBINATION WITH OTHER HERBICIDES ON CORN

Grasses	
Annual bluegrass	Giant foxtail
Annual fescues	Goosegrass
Annual (Italian) ryegrass	Green foxtail
Annual sedge	Junglerice
Barnyardgrass(1)	Stinkgrass
Bullgrass	(Indian lovegrass)
Crabgrass	Witchgrass
Fall panicum	Yellow foxtail
Broadleaves	
Annual groundcherry	Pigweed(1)
Annual morningglory	Pineappleweed
Black mustard	Plantain
Buffalobur	Poorjoe
Buttercup (annual)	Prickly sida (teaweed)
Carpetweed	Prostrate knotweed
Cocklebur(2)	Prostrate spurge
Common chickweed	Ragweed (Common)
Common groundsel	Russian thistle
Common mallow	Shepherdspurse
Common purslane	Smallflower galinsoga
Corn spurry	Smartweed
Curly dock (seedling)	(Pennsylvania)
Fiddleneck	Sunflower(2)
Florida pusley	(wild, annual, common)
(Florida purslane)	Tarweed cuphea
Hedge mustard	(Gumweed)
Jimsonweed(1)	Velvetleaf(1)
Kochia	Wild buckwheat
Ladysthumb	Wild mustard
Lambsquarters	Wild radish
Mayweed	Wild turnip
Nightshade (annual)	

- (1) Under conditions such as low temperatures, lack of soil surface moisture or other factors that may cause delay in germination of the seeds, the effectiveness of Cy-Pro 4L may be impaired against these weeds.
- (2) The degree of control will be reduced if soil moisture and temperature conditions cause deep germination of the seed.

Conventional Tillage Preemergence Or Preplant Incorporated Uses On Corn

Field Corn, Popcorn, Sweet Corn and Field Corn Grown for Seed
 Apply Cy-Pro 4L treatments just before, at or after planting but before the crop has emerged. Do not remove treated soil from seedrows prior to or during planting.
 Cy-Pro 4L may be applied early, prior to planting or in a split application, if preseason weed control is desired. For split applications, do not exceed the total amount of Cy-pro 4L for the soil texture and organic matter shown in Table 1.
 If Cy-Pro 4L is applied early, more than 15 days before planting, a split application of Cy-Pro 4L or some other herbicide treatment may be necessary at or after planting to provide additional length of weed control. Refer to the Conservation Tillage Preemergence Uses section of this label.
 Rotary hoeing is recommended for preemergence applications that do not receive adequate rainfall or sprinkler irrigation to wet the top 2 inches of soil or depth of germinating weeds within about 10 days after application.
 Cy-Pro 4L alone or tank mix combinations should not be incorporated more than 3 inches deep to keep from burying the herbicide. Single or two-pass incorporation with a tool such as a field cultivator operated at 5 to 7 mph is acceptable. A spike-toothed harrow, deep tillage disk or rolling basket device is not recommended for incorporating Cy-Pro 4L.
Use Rates of Cy-Pro 4L Applied Alone
 Use Table 1 for field corn, popcorn and field corn grown for seed.
Use Rates of Cy-Pro 4L in Combination with Other Herbicides
 Cy-Pro 4L can be tank mixed with Atrazine, Lasso 4EC, Dual 8E, Frontier, Surpass, Harness Plus, Sutan+ and Eradicane 6.7E herbicides. Refer to the manufacturers labels for proper use rates, rotational guidelines and all other precautions. Follow the label with the most restrictive requirements.

- Use Table 3 for Cy-Pro 4L tank mix rates with Atrazine on field corn, popcorn and field corn grown for seed in all states except Kentucky, Missouri, Tennessee, and Kansas East of Highway 99.
- Use Table 4 for Cy-Pro 4L tank mix rates with Atrazine on field corn, popcorn, and field corn grown for seed in all of Kentucky, Missouri, Tennessee, and Kansas East of Highway 99.
- Use Table 5 for Cy-Pro 4L tank mix rates with Lasso, Dual, Frontier, Surpass, Harness Plus, Sutan+ or Eradicane 6.7E on field corn or popcorn.
- Use Table 6 for Cy-Pro 4L tank mix rates with Atrazine and Lasso, Dual, Frontier, Surpass, Harness Plus, Sutan+ or Eradicane 6.7E for field corn, popcorn or for field corn grown for seed.

Cy-Pro 4L plus Eradicane 6.7E or Sutan+

- Use 3.6 pints per acre of Sutan+ or Eradicane 6.7E for loam soils with \geq 5% organic matter or clay loams and clay soils with \geq 4% organic matter, use 4.8 pints per acre.
- Apply tank mix combinations of Cy-Pro 4L and Sutan+ or Eradicane 6.7E before planting. Incorporate the mixture 2 to 3 deep immediately after application. Refer to

the Sutan+ and Eradicane 6.7E manufacturers labels for appropriate incorporation methods. Do not incorporate Cy-Pro 4L deeper than 3 inches or weed control may be reduced

- As an alternative, Cy-Pro 4L may be applied preemergence, as an overlay over previously incorporated Sutan+ or Eradicane 6.7E.
- Existing stands of quackgrass and purple and yellow nutsedge must be turned under and thoroughly chopped up prior to chemical treatments.
- In addition to the weeds controlled by Cy-Pro 4L, this tank mix will control or suppress the following weeds: shattercane, quackgrass, yellow and purple nutsedge, sandbur, Texas panicum and wild proso millet. For fields with moderate to heavy infestations of these weeds, refer to the Sutan+ or Eradicane 6.7E labels for appropriate rate.

Use Rates of Cy-Pro 4L on Sweet Corn
 Cy-Pro 4L may be applied preemergence or preplant incorporated for the control of annual grasses and broadleaf weeds in sweet corn.

- Cy-Pro 4L may cause injury or stand loss on new or "supersweet" varieties of sweet corn. Consult with Agricultural Extension Agencies and sweet corn seed suppliers about the sensitivity of new varieties to potential injury.
- Apply Cy-Pro 4L treatments just before, at, or after planting; but before crop has emerged.
- Use Table 1 and 2 for use rates for Cy-Pro 4L applied alone preemergence on sweet corn.
- Use Tables 7, 8 and 9 for Cy-Pro 4L tank mix rates with other herbicides on sweet corn.

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Conservation Tillage Preemergence Uses on Corn Field Corn, Popcorn, Sweet Corn, and Field Corn Grown for Seed.

(30 days prior to planting until emergence)
 Cy-Pro 4L may be used for early preplant or preemergence weed control for land going into the production of corn under conservation tillage (including no-till) programs. Complete any planned early spring tillage prior to application. Tillage after application may reduce the effectiveness of the herbicide treatment.
 In corn planted in no-till stalk ground (corn, sorghum), stubble ground (soybean, small grains), and any minimum till land Cy-Pro 4L, when used according to label directions will:

- kill most existing small weeds.
- suppress many emerged perennial weeds, and
- provide residual control of annual weeds.

A nitrogen solution or complete fertilizer solution may replace all or part of the water as a carrier. The spray callonage and boom design must be adequate to give thorough, uniform coverage of the weed foliage. Follow the label requirements of all products used in tank mix combinations.

Use Rates

- Use Table 1 for field corn, popcorn, or field corn grown for seed with surface residue < 30%.
- Use Table 2 for field corn, popcorn, or field corn grown for seed with residue > 30%.
- Use Table 7, 8 and 9 for sweet corn. 9, 10, 11

Annual Grass and Broadleaf Weeds Up to 3"

- Use Cy-Pro 4L alone and add 1 to 2 quarts per acre of crop oil concentrate (COC) if weeds are emerged at the time of application.
- For best burndown results use a minimum of 20 gallons per acre of liquid fertilizer as the carrier and replace COC with a non-ionic surfactant.

Broadleaf Weeds Exceeding 3"

- If broadleaf weeds exceed 3 inches at application, add 2, 4-D LV Ester and/or Banvel and non-ionic surfactant at recommended rates.
- Additional weeds controlled with 2, 4-D are: wild buckwheat, dandelion, dock, giant ragweed, marehail, pennycress, prickly lettuce and tansy mustard.
- To control existing alfalfa, add 0.3 to 0.5 pint per acre of Banvel to the spray mixture of Cy-Pro 4L plus 2, 4-D. Apply before the alfalfa exceeds 6 inches in height.

Grass Weeds Exceeding 3"

- If grass weeds exceed 3 inches at application, add either Gramoxone Extra or Roundup to tank at recommended rates for these products.
- Add 1 to 2 pints of non-ionic surfactant per 100 gallons of spray.
- With Gramoxone Extra well established weeds over 6 inches tall will not be well controlled.
- Do not apply Gramoxone Extra in a suspension type liquid fertilizer containing clay.

Burn Down Under Dry Conditions for Control of Sod Grasses
 For burn down of existing sod grasses such as orchardgrass, bromegrass, rye or timothy, or when conditions are very dry, add Gramoxone Extra to the tank mix at the recommended rate.

Perennial Grass Weeds
 For improved control of perennial grasses such as quackgrass or johnsongrass, add Roundup at the recommended rate or follow with a postemergence application of Accent.

Other Labeled Tank Mixes
 Cy-Pro 4L can be tank mixed with other labeled products according to the directions for the treatments explained in the Conventional Tillage section of this label. Early preplant applications of Cy-Pro 4L, may be tank mixed with 2 pints per acre of Princep 4L or 1.1 pounds of Princep Caliber 90. Apply 30 days or more prior to planting.

Sequential Treatments
 If, due to weather conditions, corn is planted more than 30 days after application, a sequential herbicide treatment may be necessary to provide additional length of weed control. This may be a postemergence treatment with Accent, Cy-Pro DF, Cynergy DF or some other herbicide treatment applied at or after planting.

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TABLE 1

EARLY PREPLANT OR PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE IN CONVENTIONAL TILLAGE WITH < 30% SURFACE RESIDUE FOR CY-PRO 4L APPLIED ALONE FOR FIELD CORN, POPCORN, SWEET CORN AND FIELD CORN GROWN FOR SEED

Quarts of Cy-Pro 4L***						
Percent Organic Matter in Soil**						
Soil Texture Description	Less Than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sand	Do Not Use	1.25	1.5	2.25	2.75	3.25
Sandy loam	1.25	1.75	2.0	2.5	3.0	3.5
Loam, Silt loam, Silt	1.5	2.0	2.5	3.0	3.5	4.0
Sandy clay loam, Clay loam, Silty clay loam	2.0	2.5	3.0	3.5	4.0	4.5
Sandy clay, Silty clay, Clay	2.75	3.0	3.5	4.0	4.5	4.75
Peat or Muck	*	*	*	*	*	*

* Not Recommended

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

*** Maximum rate limit per acre per year for all applications is 6.5 pounds cyanazine (6.5 quarts Cy-Pro 4L) except on highly erodible land with less than 30% plant residue cover, the rate limit is 3.0 pounds cyanazine (3.0 quarts Cy-Pro 4L).

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

TABLE 2

EARLY PREPLANT OR PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE IN CONVENTIONAL TILLAGE WITH > 30% SURFACE RESIDUE FOR CY-PRO 4L APPLIED ALONE FOR FIELD CORN, POPCORN, SWEET CORN AND FIELD CORN GROWN FOR SEED

Quarts of Cy-Pro 4L***						
Percent Organic Matter in Soil**						
Soil Texture Description	Less Than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sand	Do Not Use	1.6	1.9	2.9	3.5	4.1
Sandy loam	1.6	2.3	2.5	3.1	3.8	4.0
Loam, Silt loam, Silt	1.9	2.5	3.1	3.8	4.4	5.0
Sandy clay loam, Clay loam, Silty clay loam	2.7	3.1	3.8	4.4	5.0	5.6
Sandy clay, Silty clay, Clay	3.5	3.8	4.4	5.0	5.6	6.0
Peat or Muck	*	*	*	*	*	*

* Not Recommended

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

*** Maximum rate limit per acre per year for all applications is 6.5 pounds cyanazine (6.5 quarts Cy-Pro 4L) except on highly erodible land with less than 30% plant residue cover, the rate limit is 3.0 pounds cyanazine (3.0 quarts Cy-Pro 4L).

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

TABLE 3

EARLY PREPLANT OR PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR TANK MIX COMBINATIONS OF CY-PRO 4L PLUS ATRAZINE 4L FOR FIELD CORN, POPCORN AND FIELD CORN GROWN FOR SEED FOR USE IN ALL STATES EXCEPT KENTUCKY, MISSOURI, TENNESSEE AND KANSAS EAST OF HIGHWAY 99

Quarts of Cy-Pro 4L****+ Quarts of Atrazine 4L****						
Percent Organic Matter in Soil**						
Soil Texture Description	Less Than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sand	DO NOT USE	0.8+0.5	1.0+0.5	1.5+0.5	1.8+0.8	2.25+1.0
Sandy loam	0.8+0.5	1.0+0.5	1.5+0.5	1.8+0.8	2.25+1.0	2.75+1.25
Loam, Silt loam, Silt	1.0+0.5	1.5+0.5	2.0+0.8	2.25+1.0	2.75+1.25	3.25+1.25
Sandy clay loam, Clay loam, Silty clay loam	1.5+0.5	2.0+0.8	2.25+1.0	2.75+1.25	3.25+1.25	3.50+1.25
Sandy clay, Silty clay, Clay	2.0+0.8	2.25+1.0	2.75+1.0	3.25+1.25	3.5+1.25	3.75+1.5
Peat or Muck	*	*	*	*	*	*

* Not Recommended

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

*** If Atrazine 80W is used, multiply rates shown by 1.25 to equal pounds of Atrazine

80W. If Atrazine 90% is used, multiply rates shown by 1.11 to equal pounds of Atrazine 90%.

**** Maximum rate limit per acre per year for all applications is 6.5 pounds cyanazine (6.5 quarts Cy-Pro 4L) except on highly erodible land with less than 30% plant residue cover, the rate limit is 3.0 pounds cyanazine (3.0 quarts Cy-Pro 4L).

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

TABLE 4

EARLY PREPLANT OR PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR TANK MIX COMBINATIONS OF CY-PRO 4L PLUS ATRAZINE 4L FOR FIELD CORN, POPCORN AND FIELD CORN GROWN FOR SEED FOR USE ONLY IN ALL KENTUCKY, MISSOURI, TENNESSEE AND KANSAS EAST OF HIGHWAY 99

Quarts of Cy-Pro 4L****+ Quarts of Atrazine 4L****						
Percent Organic Matter in Soil**						
Soil Texture Description	Less Than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sand	DO NOT USE	0.8 + 0.5	1.0 + 0.5	1.5 + 0.5	1.8 + 0.8	2.25 + 1.0
Sandy loam	0.8 + 0.5	1.4 + 0.7	1.6 + 0.8	1.8 + 0.9	2.2 + 1.1	2.8 + 1.3
Loam, Silt loam, Silt	1.4 + 0.7	2.0 + 1.0	2.2 + 1.1	2.4 + 1.2	2.8 + 1.3	3.25 + 1.3
Sandy clay loam, Clay loam, Silty clay loam	1.6 + 0.8	2.2 + 1.1	2.4 + 1.2	2.8 + 1.3	3.25 + 1.3	3.5 + 1.4
Sandy clay, Silty clay, Clay	2.0 + 1.0	2.4 + 1.2	2.8 + 1.3	3.25 + 1.3	3.5 + 1.4	3.75 + 1.5
Peat or Muck	*	*	*	*	*	*

* Not Recommended

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

*** If Atrazine 80W is used, multiply rates shown by 1.25 to equal pounds of Atrazine 80W. If Atrazine 90% is used, multiply rates shown by 1.11 to equal pounds of Atrazine 90%.

**** Maximum rate limit per acre per year for all application is 6.5 pounds cyanazine (6.5 quarts Cy-Pro 4L) except on highly erodible land with less than 30% plant residue cover, the rate limit is 3.0 pounds cyanazine (3.0 quarts Cy-Pro 4L).

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

TABLE 5

EARLY PREPLANT OR PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR CY-PRO 4L USED IN TANK MIX COMBINATIONS WITH LASSO, SUTAN+, ERADICANE 6-7E, DUAL 8E, FRONTIER, SURPASS OR HARNESS PLUS FOR FIELD CORN, POPCORN AND FIELD CORN GROWN FOR SEED IN CONVENTIONAL OR CONSERVATION TILLAGE

Quarts of Cy-Pro 4L****						
Percent Organic Matter in Soil**						
Soil Texture Description	Less Than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sandy	0.6 ***	0.75	1.25	1.5	1.75	2.0
Sandy loam	0.75	1.25	1.5	1.75	2.0	2.25
Loam, Silt loam, Silt	1.25	1.5	1.75	2.0	2.25	2.5
Sandy clay loam, Clay loam, Silty clay loam	1.5	1.75	2.0	2.25	2.5	2.75
Sandy clay, Silty clay, Clay	1.75	2.0	2.25	2.5	2.75	3.0
Peat or Muck	*	*	*	*	*	*

* Not Recommended

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

*** Do not use in the light sandy soils of the Atlantic Coastal Plain.

**** Maximum rate limit per acre per year for all applications is 6.5 pounds cyanazine (6.5 quarts Cy-Pro 4L) except on highly erodible land with less than 30% plant residue cover, the rate limit is 3.0 pounds cyanazine (3.0 quarts Cy-Pro 4L).

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

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POSTEMERGENCE

Under warm, sunny, dry conditions of low humidity and the absence of dew formation at night, Cy-Pro 4L may be applied postemergence on field corn only. Do not use a surfactant, crop oil, or any other adjuvant. Addition of a surfactant, EV oil, or fertilizer solution is not recommended because moderate to severe injury, including stand loss, may occur.

Do not apply this treatment under cold, wet weather conditions or to corn growing under stress caused by weather, insects, disease, etc. Yellowing of the corn, stunting or stand loss may result from this treatment, particularly if high rainfall or cold, adverse growing conditions occur after application. Do not apply postemergence on popcorn, sweet corn or corn grown for seed.

Cy-Pro 4L Applied Alone

Use Cy-Pro 4L at the proper rate for the soil texture and organic matter shown in Table 6 or 7. Use rates shown in Table 6 if Cy-Pro 4L, CYANAZINE OR CYANAZINE/ATRAZINE herbicides have not been applied to the soil this season. Use rates shown in Table 7 if Cy-Pro 4L, CYANAZINE OR CYANAZINE/ATRAZINE herbicides have been applied to the soil this season. This treatment may be used on peat or muck soils for burndown and suppression of existing weeds but will not provide residual control. Apply from crop emergence through the four-leaf stage of corn growth but before weeds exceed about 1 1/2 inches in height. Do not apply over the top of corn if the fifth leaf is visible. Apply in water only. Do not spray emerged corn plants with Cy-Pro 4L in a liquid fertilizer carrier or in tank mix combinations with EC formulation herbicides.

Any rotational crop may be planted the fall or spring following this treatment.

**TABLE 6
POSTEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR Cy-Pro 4L
ON FIELD CORN. NO PRIOR APPLICATION OF Cy-Pro 4L, OR OTHER
CYANAZINE OR CYANAZINE/ATRAZINE HERBICIDES**

Quarts of Cy-Pro 4L				
Percent Organic Matter in Soil*				
Soil Texture	Less Than 1%	1%	2%	Over 2%
Sand, Loamy Sand	Do Not Use	1.1	1.5	2.0
Sandy Loam	1.1	1.5	2.0	2.0

Loam, Silt Loam, Silt	1.5	2.0	2.0	2.0
All Other Textures	2.0	2.0	2.0	2.0

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

**TABLE 7
POSTEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR Cy-Pro 4L
ON FIELD CORN. Cy-Pro 4L, OR OTHER CYANAZINE OR CYANAZINE/ATRAZINE
HERBICIDES USED IN PRIOR APPLICATION**

Quarts of Cy-Pro 4L**				
Percent Organic Matter in Soil*				
Soil Texture	Less Than 1%	1%	2%	Over 2%
Sand, Loamy Sand	Do Not Use	Do Not Use	1.4	1.4
Sandy Loam	Do Not Use	Do Not Use	1.6	2.0
Loam, Silt Loam, Silt	Do Not Use	1.4	2.0	2.0
All Other Textures	Do Not Use	1.8	2.0	2.0

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

**Maximum rate limit per acre per year for all applications is 6.5 lbs. cyanazine (6.5 quarts Cy-Pro 4L) except on highly erodible land with less than 30% plant residue cover, the rate limit is 3.0 cyanazine (3.0 quarts Cy-Pro 4L).

Cy-Pro 4L COMBINATIONS

Cy-Pro 4L plus Atrazine

Apply as directed in "Postemergence-Cy-Pro 4L Applied Alone" section of this label. Use an amount of Cy-Pro 4L plus Atrazine equal to the rate shown in Table 6 or 7 for the proper soil texture and organic matter. To determine the amount of Cy-Pro 4L to use, multiply the rate in Table 6 or 7 by 0.6. To determine the amount of Atrazine 4L to use, multiply the rate indicated in Table 6 or 7 by 0.4. (Multiply by 0.5 for pounds of Atrazine 80W.) (For the 2.0 qts/A. rate shown in Table 6 or 7, use 1.2 qts/A. of Cy-Pro 4L plus 0.8 qts/A. of Atrazine 4L or 1.0 lbs/A. of

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Atrazine 80W.)

Rotational crops: See Rotational Crops section in the "Preemergence Cy-Pro 4L plus Atrazine" section of this label.

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TABLE 8

EARLY PREPLANT OR PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR CY-PRO 4L PLUS ATRAZINE 4L USED IN TANK MIX COMBINATIONS WITH LASSO, SUTAN+, ERADICANE 6.7E, DUAL 8E, FRONTIER, SURPASS OR HARNESS PLUS FOR FIELD CORN, POPCORN AND FIELD CORN GROWN FOR SEED CONVENTIONAL OR CONSERVATION TILLAGE

Quarts of Cy-Pro 4L + Quarts of Atrazine 4L***						
Percent Organic Matter in Soil**						
Soil Texture Description	Less Than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sand	0.4+0.2***	0.5+0.25	0.75+0.5	1.0+0.5	1.25+0.5	1.25+0.75
Sandy loam	0.5+0.25	0.75+0.5	1.0 + 0.5	1.25+0.5	1.25+0.75	1.5+0.75
Loam, Silt loam, Silt	0.75+0.5	1.0+0.5	1.25+0.5	1.25+0.75	1.5+0.75	1.75+ 0.75
Sandy clay loam, Clay loam, Silty clay loam	1.0+0.5	1.25+0.5	1.25+0.75	1.5+0.75	1.75+0.75	2.0+0.75
Sandy clay, Silty clay, Clay	1.25+0.5	1.25+0.75	1.5+0.75	1.75+0.75	2.0+0.75	2.0+1.0
Peat or Muck	*	*	*	*	*	*

* Not Recommended
 ** For organic matter content between those listed, adjust the rate proportionately.
 *** Do not use in the light sandy soils of the Atlantic Coastal Plain.
 **** If Atrazine 80W is used, multiply rates shown by 1.25 to equal pounds of Atrazine 80W. If Atrazine 90% is used, multiply rates shown by 1.11 to equal pounds of Atrazine 90%.

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

TABLE 9

EARLY PREPLANT OR PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR CY-PRO 4L PLUS ATRAZINE 4L FOR SWEET CORN

Quarts of Cy-Pro 4L + Quarts of Atrazine 4L***						
Percent Organic Matter in Soil**						
Soil Texture Description	Less Than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sand	Do Not Use	0.8+0.4	1.1+0.4	1.3+0.7	1.5+0.9	2.2+1.1
Sandy loam	Do Not Use	1.1+0.4	1.3+0.7	1.5+0.9	2.0+1.1	2.8+1.3
Loam, Silt loam, Silt	Do Not Use	1.3+0.7	1.5+0.9	2.0+1.1	2.5+1.3	3.2+1.3
Sandy clay loam, Clay loam, Silty clay loam	Do Not Use	1.5+0.9	1.8+1.1	2.5+1.3	3.2+1.3	3.4+1.6
Sandy clay, Silty clay, Clay	Do Not Use	1.8+1.1	2.8+1.3	3.2+1.3	3.4+1.6	3.6+1.8
Peat or Muck	*	*	*	*	*	*

* Not Recommended
 ** For organic matter content between those listed, adjust the rate proportionately.
 *** Do not use in the light sandy soils of the Atlantic Coastal Plain.
 **** If Atrazine 80W is used, multiply rates shown by 1.25 to equal pounds of Atrazine 80W. If Atrazine 90% is used, multiply rates shown by 1.11 to equal pounds of Atrazine 90%.

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

TABLE 10

EARLY PREPLANT OR PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR CY-PRO 4L USED IN TANK MIX COMBINATIONS WITH LASSO, SUTAN+, ERADICANE 6.7E, OR DUAL 8E FOR SWEET CORN

Quarts of Cy-Pro 4L						
Percent Organic Matter in Soil**						
Soil Texture Description	Less Than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sand	Do Not Use	0.8	1.2	1.4	1.6	2.0
Sandy loam	Do Not Use	1.2	1.4	1.6	2.0	2.2
Loam, Silt loam, Silt	Do Not Use	1.4	1.6	2.0	2.2	2.6
Sandy clay loam, Clay loam, Silty clay loam	Do Not Use	1.8	2.0	2.2	2.6	2.8
Sandy clay, Silty clay, Clay	Do Not Use	2.0	2.2	2.6	2.8	3.0
Peat or Muck	*	*	*	*	*	*

* Not Recommended
 ** For organic matter content between those listed, adjust the rate proportionately.
 *** Do not use in the light sandy soils of the Atlantic Coastal Plain.

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

TABLE 11

EARLY PREPLANT OR PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR CY-PRO 4L PLUS ATRAZINE 4L USED IN TANK MIX COMBINATIONS WITH LASSO, SUTAN+, ERADICANE, OR DUAL FOR SWEET CORN

Quarts of Cy-Pro 4L + Quarts of Atrazine 4L***						
Percent Organic Matter in Soil**						
Soil Texture Description	Less Than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sand	Do Not Use	0.6 + 0.2	0.9 + 0.4	1.0 + 0.5	1.0 + 0.6	1.4 + 0.6
Sandy loam	Do Not Use	0.8 + 0.4	1.0 + 0.5	1.1 + 0.6	1.4 + 0.6	1.6 + 0.6
Loam, Silt loam, Silt	Do Not Use	1.0 + 0.5	1.2 + 0.6	1.4 + 0.6	1.6 + 0.6	1.8 + 0.9
Sandy clay loam, Clay loam, Silty clay loam	Do Not Use	1.2 + 0.6	1.4 + 0.6	1.6 + 0.6	1.8 + 0.9	2.0 + 0.9
Sandy clay, Silty clay, Clay	Do Not Use	1.4 + 0.6	1.6 + 0.9	1.8 + 0.9	2.0 + 0.9	2.0 + 1.1
Peat or Muck	*	*	*	*	*	*

* Not Recommended
 ** For organic matter content between those listed, adjust the rate proportionately.
 *** If Atrazine 80W is used, multiply rates shown by 1.25 to equal pounds of Atrazine 80W. If a Atrazine 90% is used multiply Atrazine rates shown by 1.11 to equal pounds of Atrazine 90%.

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

COTTON

Idle Season Early Preplant Weed control (California Only)

Weed Controlled

Grasses	Rabbitsfoot Grass	Wild Oat*
Annual Bluegrass	Volunteer Small Grains	Yellow Foxtail
Annual Ryegrass	(suppression)	
Barnyardgrass*		
Bristly Foxtail		
Broadleaves	Groundsel	Pineapple weed
Annual henbit	Knotweed	Prickly lettuce
Black nightshade	Lambquarters	Shepherdspurse
Burclover	London rocket	Sowthistle
Cheeseweed*	Marestail	Wild mustard
Chickweed	Miners lettuce	Wild radish
Fiddleneck		

* Under soil moisture conditions favoring deep germination, these species may not be completely controlled.

Cy-Pro 4L may be used for burndown of small existing annual weeds and residual control of weeds during the winter and early spring season prior to planting cotton in California only. Complete any planned tillage prior to application. Apply herbicide treatment before weeds germinate or before weed seedlings are more than 3 inches tall. Tillage after application may reduce the effectiveness of the herbicide treatment.

Apply Cy-Pro 4L at least 30 days prior to planting. Apply the proper rate for the soil texture, organic matter and time interval between application and planting indicated in the Table 10. Where existing weeds are present, add crop oil concentrate, surfactant, or emulsible vegetable oil at its recommended rate to aid in the burndown of small weeds.

Where existing weeds are greater than 3 inches in height, very dry conditions exist or where volunteer grains are a major problem, tank mix Cy-Pro 4L with 1 to 2 pints/acre of Gramoxone Extra. Well established weeds 6 inches tall or taller may not be well controlled.

Apply Cy-Pro 4L plus Gramoxone Extra in at least 20 gallons/acre of carrier by ground sprayer. (The volume of carrier and the application equipment must be adequate to give a uniform application.) Add non-ionic surfactant at 1 to 2 quarts/100 gallons of diluted spray (or other suitable surfactant at recommended rates) where Gramoxone Extra is used. Crop oil concentrate or emulsible vegetable oil are not needed where Gramoxone Extra is used.

Cy-Pro 4L can also be tank mixed with Trellan or Prowl and incorporated for fall listed cotton beds instead of surface applied as described above. Precautions: 1) Failure to wait the recommended time interval between application and planting may result in crop injury. 2) At least 1 inch of rainfall or an equivalent irrigation that waters the surface of the soil after application must precede planting. 3) The use of this treatment on calcareous or caliche soil outcroppings may result in crop injury. 4) Do not graze or feed foliage from treated areas to livestock. 5) Do not apply Cy-Pro 4L to cotton land in irrigation water.

Cotton Preplant Uses - (Arizona Only)

Weeds Controlled	Woolly morningglory*
Barnyardgrass	Wright groundcherry
Junglerice	
Palmer amaranth	

*Heavy infestations of this species may not be completely controlled.

Cy-Pro 4L in tank mix combination with Prowl or a trifluralin herbicide product may be applied to land to be planted in cotton. Apply on the flat, incorporate and list. Irrigation may be applied preplant to beds or cotton may be planted in dry beds and irrigated up. Carefully match the Cy-Pro 4L rate with the soil texture as shown in Table 11. If in doubt

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about the soil texture, a composite sample of the soil should be tested for the average texture class. Do not use on fields where soil texture varies from coarse to fine.

While cotton exhibits tolerance to Cy-Pro 4L, application rates in excess of label recommendations for a soil texture class can cause chlorosis and stunting in the crop and may result in stand reduction. These effects will result in temporary yellowing, stunting or stand reductions. These effects will be more pronounced in the presence of cotton seedling diseases. Avoid irrigating back until a stand of seedling cotton has been established. Do not use sprinkler irrigation during seedling stage of cotton on fields treated preplant with Cy-Pro 4L.

Application Directions

Use Table 14 for use rates of Cy-Pro 4L applied with Prowl or a trifluralin product. The correct amount of Cy-Pro 4L must be uniformly suspended in the spray tank before adding Prowl or a trifluralin herbicide product. Sufficient jet or mechanical agitation to keep the spray mixture uniformly suspended must be provided while filling and applying.

Apply broadcast using equipment calibrated to give a uniform application at the correct dosage. Use a minimum of 20 gallons of water per acre for ground application. Do not apply by air. Incorporate as soon as possible.

Refer to the Prowl or the trifluralin product label for the application to incorporation interval and description of incorporation equipment and methods. Refer to the Application Information section of this label for tank mix compatibility testing procedures.

**Conservation Tillage/Fallow Early Preplant
(All cotton producing states except AZ and CA)**

Cy-Pro 4L may be used for burndown of small existing annual weeds and residual control of weeds during the winter and early spring season prior to planting cotton. Complete any planned tillage prior to application. Apply herbicide treatment before weeds germinate or before weed seedlings are more than 3 inches tall. Tillage after application may reduce the effectiveness of the herbicide treatment.

For rates of 3 pints or over, apply Cy-Pro 4L at least 30 days prior to planting. For the 1 pint rate, apply at least 7 days prior to planting. Apply the proper rate for the soil texture, organic matter and time interval between application and planting as indicated in Table 12. Where existing weeds are present, add crop oil concentrate or surfactant at recommended rates.

For application with ground sprayers, use at least 20 gallons/acre of carrier. For aerial application, apply Cy-Pro 4L in a minimum of 3 gallons spray volume per acre. In all cases, application equipment and carrier volume must be adequate to give uniform application.

Weeds Controlled

Grasses		
Annual bluegrass	Annual ryegrass	Yellow foxtail
Broadleaves		
Annual henbit (purpletop)	Cutleaf evening primrose	Shepherdspurse
Black nightshade	Lambsquarters	Wild mustard
Burclover	Marestail	Wild radish
Chickweed		

Cy-Pro 4L Plus Gramoxone Extra

Cy-Pro 4L plus Gramoxone Extra is recommended for early preplant/postemergence application to control annual broadleaf and grass weeds.

Cy-Pro 4L plus Gramoxone Extra tank mix may be used for burndown of existing annual weeds and residual control of weeds during early spring prior to planting conservation tillage cotton. Apply with crop oil concentrate at 1.0% V/V or surfactant at 0.25 to 0.5% V/V. See Table 12 for Cy-Pro 4L rates and timings. Refer to Gramoxone Extra label for rates and timings.

Weeds Controlled

Grasses		
Annual bluegrass	Annual ryegrass	Volunteer wheat
		Yellow foxtail
Broadleaves		
Annual henbit (purpletop)	Cutleaf evening primrose	Shepherdspurse
Black nightshade	Lambsquarters	Wild mustard
Chickweed	Marestail	Wild radish

Preemergence

(Cotton only in Alabama, Arkansas, Georgia, Louisiana, Mississippi, Missouri and Tennessee)

Cy-Pro 4L is a selective preemergence herbicide for early season weed control in cotton. Supplemental practices (such as Cy-Pro 4L applied directed postemergence) may be necessary to control late season weeds. Cy-Pro 4L can be used in a tank mix combination with Zorial Rapid 80.

Carefully match the Cy-Pro 4L rate with the soil texture. Do not use on fields where the soil texture changes from coarse to fine. Avoid overlapping the spray pattern or overdosing the field with Cy-Pro 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 Cy-Pro 4L, adverse growing conditions such as excessive rains, standing water or cold weather may result in stand reduction.

Cy-Pro 4L Plus Zorial Rapid 80

Apply Cy-Pro 4L plus Zorial Rapid 80 at the proper rate for the soil texture shown in Table 13. The soil must contain at least 1.0% organic matter. Seed placement should be 1/2 to 3/4 inch from the soil surface. Plant only cotton within 6 months after the last application of Zorial Rapid 80 or injury may occur. Other crops may be injured by residual herbicide in the soil.

Weeds Controlled

Annual morningglory	Cocklebur	Prickly sida (Teaweed)	Spurge
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Directed Postemergence And Lay-by Uses In Cotton

Cy-Pro 4L and tank mix combinations may be applied directed postemergence or lay-by to cotton and either preemergence to weeds or postemergence to weeds in all cotton growing states.

Apply Cy-Pro 4L before weeds are more than 2 inches tall. Apply the directed postemergence treatment after the cotton has attained the minimum height of 6 inches. For lay-by treatment, apply Cy-Pro 4L after the cotton has attained the height of 12 inches or more.

The spray mixture 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. The use of leaf lifters or shields on application equipment is recommended to avoid spraying the cotton foliage.

Cy-Pro 4L may be applied directed postemergence and/or lay-by following a preemergence application of Cy-Pro 4L. Apply no more than two directed postemergence and one preemergence application to the same crop in any 1 year. If Cy-Pro 4L is not used preemergence, apply no more than three directed postemergence applications including lay-by to the same crop in any 1 year. (In California, apply no more than two directed postemergence applications including lay-by.)

When applied as a lay-by treatment before weeds emerge, the effectiveness of Cy-Pro 4L depends on rainfall or irrigation to move it into the soil. The degree of preemergence control from lay-by treatment will be reduced if soil moisture and temperature conditions cause deep germination of weed seed. When irrigation water activation is used, every row must be watered and for skip row cotton all treated soil must be irrigated.

Cy-Pro 4L Applied Alone

Apply Cy-Pro 4L directed postemergence at the rate shown in Table 14. Apply at lay-by at the rates for the soil texture indicated in Table 15. Add non-ionic agricultural surfactant suitable for use on growing cotton at the rate of 2 quarts/100 gallons of spray mixture (or as directed by the manufacturer).

Cy-Pro 4L Plus MSMA

Apply a tank mix combination of Cy-Pro 4L plus MSMA plus surfactant after the cotton is 6 inches tall but before it reaches the bloom stage. Apply no more than two applications of this mixture before the first bloom stage. Tank mix Cy-Pro 4L plus MSMA at the rates indicated in Table 16. Add a non-ionic surfactant at the rate of 2 quarts/100 gallons of spray mixture (or as directed by the manufacturer).

Weeds Controlled

Annual morningglory*	Lambsquarters	Sicklepod
Bristly starbur	Nightshade(annual)	Spurge
Cocklebur	Palmer amaranth	Tropic croton
Crotalaria	Pigweed (redroot and spiny)	Wright groundcherry
Jimsonweed	Prickly sida (Teaweed)	

*The degree of preemergence control from lay-by treatment will be reduced if soil moisture and temperature conditions cause deep germination of the seed.

Precautions For Cotton

- Failure to wait the recommended time interval between application and planting may result in crop injury
- At least 1 inch of rainfall or an equivalent irrigation that waters the surface of the soil after application must precede planting.
- The use of this treatment on calcareous or caliche soil outcroppings may result in crop injury.
- Do not apply Cy-Pro 4L to cotton in irrigation water.
- Do not graze or feed foliage from treated areas to livestock.
- Do not apply within 54 days of harvest.

Use Rate Tables for Cotton

TABLE 10
BROADCAST APPLICATION RATES PER ACRE OF CY-PRO 4L FOR IDLE SEASON OR EARLY PREPLANT TREATMENT ON COTTON CALIFORNIA ONLY

Soil Texture Description	Days Prior to Planting*					
	30 Days		60 Days		90 Days	
	Qts. of Cy-Pro 4L**		Qts. of Cy-Pro 4L**		Qts. of Cy-Pro 4L*	
	Organic Matter Under 2%	Organic Matter Over 2%	Organic Matter Under 2%	Organic Matter Over 2%	Organic Matter Under 2%	Organic Matter Over 2%
Sand, Loamy sand	1.5	2.0	2.5	3.0	3.0	3.5
All Other Soils	2.0	2.5	3.0	3.5	3.5	4.0

* For time intervals between those listed, adjust rates proportionately.

**Maximum rate limit per acre per year for all applications is 6.5 pounds Cyanazine (6.5 quarts Cy-Pro 4L) except on highly erodible land with less than 30% plant residue cover, the rate limit is 3.0 lbs. cyanazine (3.0 quarts Cy-Pro 4L).

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

TABLE 13
PREPLANT APPLICATION RATES PER ACRE FOR CY-PRO 4L PLUS PROWL OR TRIFLURALIN FOR COTTON - ARIZONA ONLY

Soil Texture**	Cy-Pro 4L + Prowl		or Trifluralin	
	Qts./A	4EC qts./A	.3EC qts./A	5EC qts./A
Sand, Loamy sand (<0.5% OM)	Do Not Use.	Do Not Use	Do Not Use	Do Not Use
Sandy loam, Loam (> 0.5% OM)	1 - 1.5	0.5	0.6	0.32
Silt loam, Silt, Sandy clay loam	1.5 - 2	0.75	0.9	0.4 - 0.5
Clay loam, Silty clay loam, Clay	2-2.5	1	1.2	0.5

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

TABLE 12 14
EARLY PREPLANT CONSERVATION TILLAGE/FALLOW RATES PER ACRE FOR CY-PRO 4L FOR COTTON

CY-PRO 4L (qts/A)**					
Days Prior to Planting*					
	7 Days	30 Days to 60 Days		More than 60 Days	
	Organic Matter	Organic Matter		Organic Matter	
Soil Texture	Over 1%	Under 2%	Over 2%	Under 2%	Over 2%
Loamy sand	--	1.5	2	2.5	3
Medium to Heavy	0.5	2	2.5	3	3.5

* For time intervals between those listed, adjust rates proportionately.
 **Maximum rate limit per acre per year for all applications is 6.5 pounds Cyanazine (6.5 quarts Cy-Pro 4L) except on highly erodible land with less than 30% plant residue cover, the rate limit is 3.0 pounds cyanazine (3.0 quarts Cy-Pro 4L).

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

TABLE 13 15
PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR CY-PRO 4L PLUS ZORIAL RAPID 80 ON COTTON

Soil Texture*	Quarts/Acre Cy-Pro 4L	+	Quarts/Acre ZORIAL RAPID 80
Coarse Soils** Sandy loam	0.5	+	0.8
Medium Soils Silt, Silt loam	0.6	+	1.3
Loam, Clay loam, Sandy clay loam, Sandy clay	0.9	+	1.3
Fine Soils Silty clay loam, Silty clay, Clay	1.2	+	1.6

* The soil must contain at least 1% organic matter.
 **Do not use on coarse soils (Sands and Loamy sands) containing more than 70% sand.

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

TABLE 14 16
DIRECTED POSTEMERGENCE APPLICATION RATES PER ACRE FOR CY-PRO 4L ON COTTON

Banded 38" Row		
Broadcast	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.
 Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

TABLE 15 17
LAY-BY APPLICATION RATES PER ACRE FOR CY-PRO 4L ON COTTON

Height of Cotton	Soil Texture	Broadcast Rates
12 inches or more	Coarse	Sandy loam, Silt, Silt loam 0.8 quart
	Medium	Loam, Clay loam, Sandy clay loam, Sandy clay 1.2 quarts
	Fine	Silty clay loam, Silty clay, Clay 1.6 quarts

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

TABLE 16 18
DIRECTED POSTEMERGENCE APPLICATION RATES PER ACRE CY-PRO 4L PLUS MSMA ON COTTON

Banded 38" Row			
Product (quarts/acre)	Broadcast	12" Band	19" Band
Cy-Pro 4L	0.6 - 1.0 quart	0.2 - 0.3 quart	0.3 - 0.5 quart
+	+	+	+
MSMA (4 pounds/gallon)	4 pints	1.3 pints	2 pints
or	or	or	or
MSMA (6.6 pounds/gallon)	2.4 pints	0.8 pint	1.2 pints

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

Weather Effects: As a preemergence herbicide, Cy-Pro 4L is active mainly through the roots, and therefore, its effect on weeds is dependent on adequate rainfall or sprinkler irrigation to move the herbicide into the root zone. Moisture should be sufficient to thoroughly wet the soil throughout the zone where weed seeds may germinate and enough to make soil too wet to cultivate. Rotary hoeing or shallow cultivation is recommended for those applications which are not incorporated at the time of treatment, if adequate rainfall or sprinkler irrigation has not occurred within about 10 days after application of Cy-Pro 4L.

Heavy rainfall between planting and crop emergence may cause crop injury or stand loss. Rainfall tends to cause excessive concentrations of herbicide in the seed furrow, resulting in possible crop injury. Level deep planter marks or seed furrows before 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, shallow cultivation or a postemergence herbicide treatment may be of benefit under these circumstances. If the crop is cultivated, tillage should be shallow to minimize herbicide dilution in the soil. Should the crop stand be lost due to adverse weather conditions, insects, etc., the field can be replanted the same season to corn or sorghum.

To enhance weed control in areas of less than 25 inches of rainfall or where long dry periods are common, these treatments may require shallow incorporation with a tool such as a field cultivator operated from 5 to 7 mph. Incorporation should not be more than 3 inches deep to keep from burying the herbicide. A spike-toothed harrow, deep tillage disk or rolling basket device is not recommended for incorporating Cy-Pro 4L.

When applied as a postemergence herbicide, Cy-Pro 4L is also active through foliage as well as through the roots. Yellowing and/or stunting of the crop may result from this treatment, particularly if cold, adverse growing conditions occur after application. Extended or extreme cold and wet conditions may reduce stands. Do not apply Cy-Pro 4L postemergence to a crop that is damaged or growing under stress.

Observe All Cautions and Limitations On Labeling Of All Products Used In Mixtures

This product can be mixed with herbicides for use on corn, popcorn, sweet corn, field corn grown for seed and cotton in accordance with the most restrictive label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

Triazine Resistant Weeds: In fields where triazine resistant biotypes of weeds have been identified, Cy-Pro 4L should be used in combination with or in sequence with other registered non-triazine herbicides. (Triazine resistant biotypes of kochia and pigweed have been identified in some fields in the Western Great Plains and triazine resistant biotypes of pigweed and lambsquarters have been identified in some fields in various states.) Consult with appropriate state agricultural extension service representatives for specific recommendations.

Application Directions

General mixing and spraying instructions

This product may not be applied by means of chemigation or aerial application. Use sufficient agitation to ensure that the Cy-Pro 4L is completely dispersed and in uniform suspension prior to application or tank mixing with other formulations. The following general mixing instructions are recommended when using this or any other liquid suspension formulation.

I. General

1. Unless otherwise specified, use at least 10 gallons of water per acre for soil applications and at least 15 gallons of water per acre for foliar applications for all applications with ground equipment. NOTE: Sufficient carrier must be used to assure uniform application. Follow label requirement of all products used in tank mix combinations.
2. A nitrogen solution or complete liquid fertilizer may replace all or part of the water as a carrier for preemergence or preplant application to corn. Do not apply fertilizer mixtures after crop emerges, because injury may occur.
3. Always check the tank mix compatibility (TMC) of this or any other formulation before mixing with liquid fertilizer carriers or other formulations. A simple but generally reliable TMC evaluation procedure has been provided for your use in step II of these mixing instructions.
4. Start with thoroughly clean equipment. (See the label of previous compound used for cleaning instructions.)
5. Fill tank 1/2 full with carrier. Start and maintain consistent agitation through all mixing and spraying procedures. Make sure that the agitation system is working properly and creates a rippling or rolling action on the liquid surface.
6. Add the Cy-Pro 4L to the tank with agitation.
7. Fill tank to 75% capacity with carrier. Filling and bypass lines should be kept below liquid surface. Increase tank agitation if necessary to maintain surface action.
8. When desired, appropriate emulsible crop oil, crop oil concentrate, or other tank mix formulations should be added at this time. Pre-slurry these added ingredients before addition, if the compatibility test shows it to be necessary.
9. Complete filling tank maintaining sufficient agitation at all times to ensure surface action. This applies to both spray and nurse tanks.
10. Tank mixtures should always be applied immediately after preparation. If for any reason this is not possible, assure that sufficient agitation has been provided to remix all products and check for complete resuspension prior to application.
11. Empty tank as completely as possible before refilling to prevent buildup of oil or emulsible concentrate residues when tank mixing with these formulations. Always maintain agitation to avoid separation.
12. If an oil or emulsible concentrate film starts to buildup after using these formulations, drain and clean the tank with strong detergent solution or appropriate solvent.
13. It is recommended that the sprayer be thoroughly cleaned by flushing with a detergent solution at the end of each work day when any emulsible crop oil, crop oil concentrate, or other emulsible formulation has been used either alone or in tank mix combinations with other pesticide formulations, even if no obvious problems have been encountered. This precaution will ensure a clean sprayer and continued trouble-free operation.

II. Tank Mix Compatibility Evaluation Procedure

1. Add 1 pint of carrier liquid to each of 2 one-quart jars. Mark one quart jar "with" and the other "without".
2. Add 1/4 teaspoon of a suitable tank mix compatibility agent (1/4 teaspoon/pint = 2 pints/100 gallons of carrier) to the jar marked "with," cap the jar, and shake gently for 5 to 10 seconds to mix.
3. Add the appropriate amount of herbicide to both jars, cap each jar, and shake gently for 5 to 10 seconds to mix. If problems are encountered in mixing wettable powder or dry flowable formulations into a liquid fertilizer, then pre-slurry these formulations in water prior to their addition to the liquid fertilizer and proceed with the test.

The following chart has been provided to assist you in selecting the appropriate Cy-Pro 4L use rate for this evaluation. If more than one herbicide is to be used in the tank mixture, each should be added separately as follows: water solubles first,

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wettable powders or dry flowables second, liquid flowables third, and emulsible concentrate or oil formulations last with each jar capped and gently shaken for 5 to 10 seconds for each addition.

Jar Test for Cy-Pro 4L Compatibility

Gallons of Liquid Carrier per Acre	4	7.5	15	20	25	30
Teaspoons of Cy-Pro 4L per pint of Liquid Carrier	6.0	3.2	1.6	1.2	1.0	0.8

This chart is based on 1 quart of Cy-Pro 4L (1 pound active ingredients) per acre in the indicated carrier volumes. Intended field use rates are achieved by varying the amount of Cy-Pro 4L, i.e., for a field use rate of 2.5 quarts of Cy-Pro 4L in 15 gallons of carrier per acre, add 4 teaspoons of Cy-Pro 4L to the quart jars containing 1 pint of carrier. Calculation: For 2.5 quarts of Cy-Pro 4L/15 gallons of carrier per acre, multiply 2.5 X 1.6 to get 4 teaspoons of Cy-Pro 4L per pint of carrier.

- Let each jar stand 1/2 hour and make observations. If any separation, agglomeration, or precipitation has occurred, shake the jar again for 10 to 15 seconds, and note whether any of the following occur: a. Separated phases do not remix uniformly. b. Screen/nozzle plugging lumps do not disperse. c. Precipitate does not resuspend readily. d. Precipitate sticks tenaciously to the glass.
- If none of the above problems occur in either jar, then the herbicides can, in most cases, be safely used without a compatibility agent.
- If problems 4a or 4b occur in the jar marked "without" but do not occur in the jar marked "with," the compatibility agent should be used.
- If problems 4a or 4b are seen in both jars, then the herbicides and carrier mixture are incompatible and should not be used in the same spray tank. Alternatively, a different tank mix compatibility agent can be evaluated.
- If problems 4c or 4d occur in the jar marked "without" but do not occur in the jar marked "with," the compatibility agent should be used unless constant, thorough agitation can be maintained and immediate clean-out of spray system is performed.
- If problems 4c and 4d are seen in the jar marked "with," the user proceeds with mixing and application at his own risk should the agitation in the system be insufficient or curtailed.
- Those mixtures defined as compatible in this test should then be mixed for use as indicated in steps 1 to 12 of the general mixing instructions listed above.

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
Cy-Pro 4L/Lasso (Liquid Fertilizer Grade)	Probably not needed in 28-0-0, 10-34-0. Complex may help in others.
Cy-Pro 4L/Sutan- or Eradicane 6.7E	Probably not needed in 28-0-0. Incompatible in 10-34-0. Unite, Spray-Mate, Kem-Link, may help in others.
Cy-Pro 4L/Dual EE	Probably not needed in 28-0-0. Unite, Spraymate, Ivory Liquid may help in others.

III. Application Equipment

- Use application equipment fitted with nozzles that provide accurate and uniform coverage. Be certain that nozzles are uniformly spaced and the same size. Calibrate sprayer before use and recheck frequently during use whenever possible.
- Use a pump with capacity to:
 - Maintain 35 to 40 psi at nozzles.
 - Provide sufficient agitation in tank to keep mixture in suspension.
 - Provide a minimum of 20% bypass at all times.
- Use centrifugal pumps which provide sufficient shear action for dispersing and mixing this product. The pump should provide a minimum of 10 gallons/minute/100-gallon tank size circulated through the jets of a correctly-positioned sparger tube.
- Use screens to protect the pump and to prevent nozzles from clogging. Screens placed on suction side of pump should be 10 to 16 mesh. Do not place a screen in the recirculation line. Use a 40 to 50-mesh screen between the pump and boom and, where required, 50-mesh screens at the nozzles. Check your equipment manufacturer's literature for specific recommendations.

Fertilizer Impregnation

Cy-Pro 4L herbicide may be applied when coated on or impregnated in dry granular fertilizer for early preplant, preemergence or preplant incorporated weed control in field corn. All recommendations, cautions and special precautions on this label must be followed along with state regulations relating to dry bulk fertilizer blending, impregnating and labeling. Also, follow the precautions on the label of any product mixed with this product.

General Blending Directions

Cy-Pro 4L may be coated on or impregnated in dry bulk fertilizers using tower blenders, rotary drum blenders or blending augurs or conveyors.

DO NOT impregnate Cy-Pro 4L or tank mixes containing Cy-Pro 4L on or in fertilizers containing ammonium nitrate, potassium nitrate, or sodium nitrate. Do not use on straight limestone since absorption will not be achieved. Fertilizer blends containing limestone can be impregnated when using Cy-Pro 4L alone. Use a minimum of 200 pounds and a maximum of 450 pounds per acre of dry fertilizer.

Use equipment that will give a uniform distribution of the herbicide throughout each batch of impregnated fertilizer. Non-uniform impregnation can cause crop injury or unsatisfactory performance.

Apply fertilizer immediately after impregnation. Impregnated fertilizer may become lumpy and difficult to spread if stored.

- Cy-Pro 4L may be used as the only herbicide for impregnation.
 - Add Cy-Pro 4L when at least one half the total fertilizer volume required is in the mixer. A minimum of 200 pounds per acre of an approved fertilizer should be used.
 - Cy-Pro 4L can be moved from the chemical holding tank to the mixer by using an air system or a liquid pump with a hose at least 1 inch in diameter.
 - Position the spray nozzles to achieve uniform coverage of the the Cy-Pro 4L on the dry fertilizer without spraying the walls of the mixer.
 - Flush the spray lines with water and spray onto the dry fertilizer.
 - Add remaining fertilizer, plus drying agents when necessary, and blend thoroughly for at least 3 minutes.
 - Add 2 to 5% of a suitable drying agent to insure a herbicide/fertilizer mixture that will spread through air spreaders. The need for a drying agent is determined by the

wetness of the fertilizer batch. Wetness can change with humidity, nitrogen content, fertilizer rates and herbicide rates.

B. Fertilizer, impregnated with Cy-Pro 4L may be used in tank mixes with other herbicides.

- While fertilizer is blending, add the Cy-Pro 4L first and the tank mix fertilizer last.
- Add any necessary drying agent to insure a spreadable herbicide/fertilizer mixture and blend thoroughly for at least 3 minutes.
- Follow the other appropriate use instructions found in Section A for use with Cy-Pro 4L tank mixes.

Cleanout

Equipment used to impregnate or apply fertilizer impregnated with Cy-Pro 4L or combinations including Cy-Pro 4L must be cleaned out by running at least 1,000 pounds of fertilizer not impregnated with Cy-Pro 4L through the impregnation equipment and application equipment. If the next batch of material is to be applied to a crop for which Cy-Pro 4L or a combination herbicide is not registered.

Rotational Crops

- Use the guidelines to determine which rotational crops can be planted safely following use of Cy-Pro 4L.
- If the crop stand is lost due to adverse weather, insects, etc. the field can be replanted to corn or sorghum.
- If the field is replanted to sorghum, allow at least a 30 day interval between treatment and planting.
- The sorghum plants may be injured if the full preemergence rate is used and adverse conditions exist for sorghum growth.
- Any rotation crop may be planted the fall or spring following treatment with Cy-Pro 4L.

When Cy-Pro 4L is mixed with other herbicides, refer to the manufacturers' label and use the most restrictive crop rotation interval.

Best Management Practices For Ground And Surface Water Protection

This product may not be mixed or loaded within 50 feet of perennial or intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be mixed, loaded or used within 50 feet of all wells, including abandoned wells, drainage wells, and sinkholes.

Where there are state/local requirements regarding cyanazine use (including low maximum rates and/or higher setbacks) which are different from the label, the more restrictive/protective requirements apply.

Operations that involve mixing, loading, rinsing or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain, at a minimum, 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof or sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site.

States may have in effect additional requirements regarding well-head setbacks and operational area containment.

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

Cyanazine Rate Limits: 1 quart of Cy-Pro 4L contains 1.0 pound cyanazine active ingredient (a.i.). Adhere to the use rate recommendations in this or other label. In addition:

- Do not apply more than 6.5 pounds total cyanazine a.i. (all sources) per acre per year to any land.
- On highly erodible land, as defined by the Soil Conservation Service, if plant residue cover is less than 30%, do not apply more than 3.0 pounds total cyanazine a.i. (all sources) per acre per year.

Important: Maximum rate limits per acre per year and other restrictions vary by year of application. See "Important Notice - Cyanazine Rate Limits" on page 2 of this label.

NOTICE OF WARRANTY STATEMENT

Griffin warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of Griffin. In no case shall Griffin be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid for this product or at Griffin Corporation's election, the replacement of this product. Griffin makes no warranties of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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