

PM 25 1812-368

PG 126

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 and atrazine 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.

RECEIVED

JUL 24 1996

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 1812-368

Griffin



CY-PROTM AT DF

HERBICIDE

Made in the

DISPERSIBLE GRANULAR

ACTIVE INGREDIENTS

Cyanazine, 2[[4-chloro-6-(ethylamino)-s-triazin-2-yl]amino]-2-methylpropionitrile.....	67.5%
Atrazine: 2-chloro-4-(ethylamino)-6-isopropylamino)-s-triazine.....	21.4%
Related compounds.....	1.1%

INERT INGREDIENTS.....

10.0%

TOTAL.....

100.0%

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. Get medical attention if irritation persists.

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. Get medical attention.

See Label for Additional Precautions and Directions for Use.

GRIFFIN CORPORATION
VALDOSTA, GEORGIA 31601

Specimen Label

EPA REG. NO. 1812-368

BEST AVAILABLE COPY

276

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. It 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 clothing and all personal protective equipment immediately if pesticide gets inside after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Cyanazine and atrazine, the ingredients of Cy-Pro AT DF, are pesticides which can move (seep or travel) through soil and can contaminate groundwater which may be used as drinking water. Cyanazine and atrazine have been found in groundwater as a result of agricultural use. Users are advised not to apply Cy-Pro AT DF 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 sands). Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

Cyanazine has been detected in surface waters that receive runoff from treated areas. To minimize cyanazine runoff, follow the Best Management Practices outlined in the Directions For Use section of this label.

Atrazine is toxic to aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning 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. This labeling must be in possession of 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.

STORAGE AND DISPOSAL

STORAGE: Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. 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 and federal regulations. Ground water 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: Completely empty bag into application equipment. Then 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.

1995 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.

BEST AVAILABLE COPY

3/6

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 lake and reservoirs. This product may not be mixed, loaded or used within 50 feet of all wells, including abandoned wells, drainage wells and sinkholes.

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 unrooted 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 runoff 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 setback from run-off points is planted to crop or seeded with grass. Though not appropriate for all cultural systems is recommended, where applicable, use banded applications of cyanazine to reduce the total amount of cyanazine a.i. applied per acre of land.

Atrazine Rate Limits: One pound of Cy-Pro AT DF contains 0.225 pound active ingredient atrazine. For soil application prior to crop emergence (i.e., early preplant, preplant incorporated, preplant surface, at planting or preemergence) the following applies:

a. On highly erodible land, as defined by the Soil Conservation Service (SCS), if conservation tillage is utilized (> or = 30% plant residue) the maximum rate of atrazine from all sources is 2 pounds a.i./A. If plant residue is < 30%, the maximum rate of atrazine is 1.8 pounds a.i./A.

b. On land that is not highly erodible, the maximum rate of atrazine is 2 pounds a.i./A. For postemergence applications, if there has been no previous soil application to the crop, the maximum rate of atrazine from all sources is 2 pounds a.i./A. If there has been a previous soil application to that crop, do not exceed a total of 2.5 pounds atrazine a.i./A per calendar year.

Cyanazine Rate Limits: One pound of Cy-Pro AT DF contains 0.675 pound active ingredient cyanazine. Adhere to the use rate recommendations in this or other label. In addition:

a. Do not apply more than 6.5 pounds total cyanazine a.i. (all sources) per acre per year to any land.

b. 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 pounds total cyanazine a.i. (all sources) per acre per year.

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

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.

APPLICATION DIRECTIONS

GENERAL MIXING AND SPRAYING INSTRUCTIONS

This product may not be mixed/loaded or used within 50 feet of all wells including abandoned wells, drainage wells and sink holes.

This product may not be applied by means of chemigation or aerial application.

Use sufficient agitation to ensure that the Cy-Pro AT DF 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. Do not apply fertilizer mixtures after crop emerges, as injury may occur on corn.

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 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. Slowly add the recommended amount of Cy-Pro AT DF to the tank or inductor.

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 those added ingredients

before addition, if the compatibility test shows it to be necessary.

- Complete filling tank maintaining sufficient agitation at all times to ensure surface action. This applies to both spray and nurse tanks.
- 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.
- 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.
- If an oil or emulsible concentrate film starts to build up after using these formulations, drain and clean the tank with strong detergent solution or appropriate solvent.
- 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

- Add 1 pint of carrier liquid to each of 2 one-quart jars. Mark 1 quart jar "with" and the other "without."
- Add 1/2 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.
- 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 AT DF use rate for this evaluation.

Jar Test for Cy-Pro AT DF Compatibility						
Gallons of Liquid Carrier per Acre	4	7.5	15	20	25	30
Teaspoons of Cy-Pro AT DF per Pint Liquid Carrier	6.0	3.2	1.6	1.2	1.0	0.8

This chart is based on 1 pound of Cy-Pro AT DF (0.9 pound active ingredient) per acre in the indicated carrier volumes. Intended field use rates are achieved by varying the amount of Cy-Pro AT DF (e.g., for a field use rate of 3 pounds of Cy-Pro AT DF in 15 gallons of carrier per acre, add 4.8 teaspoons of Cy-Pro AT DF to the quart jars containing 1 pint of carrier. Calculation: 3 pounds of Cy-Pro AT DF/15 gallons of carrier per acre = 3 X 1.8 = 4.8 teaspoons of Cy-Pro AT DF per pint of carrier).

- Let each jar stand one half 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:
 - Separated phases do not remix uniformly.
 - Screen/nozzle plugging lumps do not disperse.
 - Precipitate does not resuspend readily.
 - 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 problem 4a or 4b occur in the jar marked "without" but does not occur in the jar marked "with," the compatibility agent should be used.
- If problem 4a or 4b is 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 problem 4c or 4d occurs in the jar marked "without" but does 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 problem 4c or 4d is seen in the jar marked "with," the user proceeds with mixing and application at his own risk should agitation in the system be insufficient or curtailed.

10. Those mixtures defined as compatible in this test should then be mixed for use as indicated in steps 1 through 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 mix combinations, may give improved compatibility in liquid fertilizers.

Tank Mix Combination	Compatibility Agents
Cy-Pro AT DF/Lasso (Liquid Fertilizer Grade)	Probably not needed in 28-0-0, 10-34-0. COMPEX may help in others.
Cy-Pro AT DF/Sutan or Eradicane 6.75E	Probably not needed in 28-0-0. Incompatible in 10-34-0. Unite, Spray-Mate, Kem-Link, may help in others.
Cy-Pro AT DF/Dual 8E	Probably not needed in 28-0-0. Unite, Spray-Mate, 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 percent 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

BEST AVAILABLE COPY

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.

GENERAL INFORMATION

Cy-Pro AT DF herbicide is a selective herbicide for the control of annual grasses and broadleaved weeds in field corn, popcorn and sweet corn.

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

- Cy-Pro AT DF is not effective when used preemergence on peat or muck soils.
- Do not use Cy-Pro AT DF on sands or loamy sands (soils consisting of more than 70% sand) containing less than 1% organic matter.
- Do not apply this product through any type of irrigation system.
- Do not apply this product with aerial application equipment.
- Postemergence applications to corn must be made before corn reaches 12 inches in height.
- Applications for quackgrass suppression in corn are restricted to a spring application only. No fall applications are permitted.
- Cy-Pro AT DF may cause injury or stand loss on new or "Super Sweet" varieties of sweet corn. Consult with Agricultural Extension Agencies and seed suppliers of new sweet corn varieties about the sensitivity of the new varieties to potential injury.
- Do not use Sulfan+ or Eradicane combinations on sweet corn in New Jersey or the light sandy soils of the eastern coastal states or on corn grown for seed.

OBSERVE ALL CAUTIONS AND LIMITATIONS ON LABELING OF ALL PRODUCTS USED IN MIXTURES.

This product can be mixed with other herbicides for use on corn, popcorn, sweet corn, field corn grown for seed 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.

When Cy-Pro AT DF is tank mixed with other herbicides, refer to the manufacturers' label and use the most restrictive rotation interval.

Triazine Resistant Weeds: In fields where triazine resistant biotypes of weeds have been identified, Cy-Pro AT DF 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.

RATES AND TIMING: Use the application rates and timing shown in the appropriate sections of this label. Follow the precautions on the labels of all products used.

ROTATIONAL CROPS

Use the guidelines to determine which rotational crops can be planted safely following use of Cy-Pro AT DF.

- Should the crop stand be lost due to adverse weather, insects, etc., the field can be replanted to corn or sorghum.
- If replanted to sorghum, allow at least a 30 day interval between treatment and planting of sorghum. Injury to sorghum may occur if full preemergence rate is used and adverse conditions exist for sorghum growth.
- Plant only corn, sorghum, or soybeans the year following the use of this mixture.
- If soybeans are to be planted the year following the use of this herbicide, injury may occur.
- If applied after June 10, do not rotate with crops other than corn or sorghum the next year or injury may occur.
- In the high plains and inter-mountain areas of the West where rainfall is sparse and erratic or where irrigation is required, use only when corn or sorghum is to be planted the following year, or a crop of corn to sorghum not treated with this mixture or atrazine is to precede other rotational crops.
- Small grains may be planted 15 months after application.
- All other crops may be planted 18 months after application.

CORN

(Field Corn, Sweet Corn, Popcorn Field Corn Grown for Seed)

WEEDS CONTROLLED BY CY-PRO AT DF ALONE AND IN COMBINATION WITH OTHER HERBICIDES ON CORN

Grasses

Annual bluegrass
Annual fescues
Annual (Italian)
ryegrass
Annual sedge
Barnyardgrass(1)

Bullgrass
Crabgrass
Fall panicum
Giant foxtail
Goosegrass
Green foxtail

Junglerice
Stinkgrass (Indian
lovegrass)
Witchgrass
Yellow foxtail

Broadleaves

Annual groundcherry
Annual morningglory
Black mustard
Buffalobur
Buttercup (annual)
Carpetweed
Cocklebur(2)
Common chickweed
Common groundsel
Common mallow
Common purslane
Corn spurry
Curly dock (seedling)
Fiddleneck
Florida pusley
(Florida purslane)

Hedge mustard
Jimsonweed(1)
Kochia
Ladysthumb
Lambsquarters
Mayweed
Nightshade (annual)
Pigweed(1)
Pineappleweed
Plantain
Poojoe
Prickly sida (teaweed)
Prostrate knotweed
Prostrate spurge
Ragweed (Common)
Ragweed (Giant)(3)

Russian thistle
Shepherdspurse
Smallflower galinsoga
Smartweed
(Pennsylvania)
Spiny sida
Sunflower(2)
(wild, annual, common)
Tarweed cuphea
(Gumweed)
Velvetleaf(1)
Wild buckwheat
Wild mustard
Wild radish
Wild turnip

- (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 AT DF 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.
- (3) Under conditions of heavy weed pressure and where several flushes of this weed are likely to occur, the residual activity of Cy-Pro AT DF may not provide adequate control. In these cases, a follow-up treatment with a post broadleaf herbicide is recommended.

CONSERVATION TILLAGE PREEMERGENCE USES

Field Corn, Sweet Corn, Popcorn, Field Corn Grown for Seed (30 days prior to planting up to corn emergence)

Cy-Pro AT DF may be used for early preplant or preemergence weed control for land going into 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. Cy-Pro AT DF when used according to the following directions will kill most existing small weeds and suppress many emerged perennial weeds when corn is planted into no-till stalk ground (corn, sorghum), stubble ground (soybean, small grains), and any minimum-till situation. This treatment then provides residual control of annual weeds as in conventional tillage. A nitrogen solution or complete fertilizer solution may replace all or part of the water as a carrier. The spray gallonage and spray boom design must be adequate to give thorough uniform coverage of the weed foliage. Follow label requirements of all products used in tank mix combinations.

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 surface residue >30%.

Use Table 3 for sweet corn.

Grass and Broadleaf Weeds Up to 3 Inches: Use Cy-Pro AT DF alone and add 1/2 quart of crop oil concentrate (COC) if weed are emerged at time of application and before weeds exceed 3 inches in height. For best burn down results use a minimum of 20 gallons/acre of liquid fertilizer as the carrier and replace COC with a non-ionic surfactant.

Broadleaf Weeds Exceed 3 Inches: If broadleaf weeds are taller than 3 inches at application, add 2,4-D LV Ester and/or Banvol and non-ionic surfactant at recommended rates. Additional weeds controlled with 2,4-D are wild buckwheat, dandelion, dock, giant ragweed, marehail, pennygrass, prickly lettuce and larsy mustard. To control existing alfalfa, add 0.3 to 0.5 pint/acre of Banvol to the spray mixture of Cy-Pro AT DF plus 2,4-D. Apply before the alfalfa exceeds 6 inches in height.

Grass Weeds Exceed 3 Inches: If grass weeds are taller than 3 inches, add either Gramoxone Extra or Roundup to the tank at the recommended rates for these products. Add 1 to 2 pints of a 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 of Sod Grasses or Under Dry Conditions: For burn down of existing sod grasses such as orchardgrass, bromegrass, rye or timothy, or when very dry conditions exist, add Gramoxone Extra to the tank mix at the recommended rates.

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

Other Labeled Tank Mixes: Other labeled products may be tank mixed with Cy-Pro AT DF according to the directions for those treatments in the conventional tillage section of the label.

Early preplant applications of Cy-Pro AT DF may be tank mixed with 1 quart/acre of Princep DF or 1.1 pounds of Princep Caliber 90. Apply 30 days or more prior to planting.

Sequential Treatments: If due to weather conditions, corn planting occurs 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 Cy-Pro DF or Cy-Pro AT or another herbicide treatment applied to or after planting.

CONVENTIONAL TILLAGE PREEMERGENCE-PREPLANT INCORPORATED

Field Corn, Sweet Corn, Popcorn, Field Corn Grown for Seed

Apply Cy-Pro AT DF treatments just before, at or after planting but before crop has emerged. Avoid removing treated soil from seed row before or during planting.

Cy-Pro AT DF may also be applied early before planting or in a split application if pre-season weed control is desired. For split applications, do not exceed the total amount of Cy-Pro AT DF for the soil texture and organic matter shown in Table 1, Table 2 or Table 3. If Cy-Pro AT DF is applied early, more than 15 days before planting, a split application of Cy-Pro AT DF or some other herbicide treatment may be necessary at or after planting to provide additional length of weed control. For further information see EARLY PREPLANT recommendations in the Conservation Tillage 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 AT DF alone or in 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 AT DF.

Cy-Pro AT DF Applied Alone

Use the proper rate for the soil texture and organic matter indicated in Table 1 for field corn, popcorn and field corn grown for seed.

Use Table 3 for sweet corn.

5/6

CY-PRO AT DF COMBINATIONS

Cy-Pro AT DF can be tank mixed with Lasso 4EC, Dual 8E, Frontier, Surpass, Harness Plus, Sutan+ or Eradicane 6.7E herbicides.

Refer to the manufacturers' labels for the proper use rates, rotational guidelines and all other precautions. Follow label with the most restrictive requirements.

Use Table 4 for Cy-Pro AT DF tank mix rates on field corn, popcorn and field corn grown for seed.

Use Table 5 for Cy-Pro AT DF tank mix rates on sweet corn.

Cy-Pro AT DF plus SUTAN+ 6.7E or ERADICANE 6.7E

Use Cy-Pro AT DF at the proper rate for the soil texture and organic matter shown in Table 4 plus 1.8 quarts per acre of Sutan+ or Eradicane for control of many annual grasses and broadleaf weeds. (Use 2.4 quarts of Sutan+ or Eradicane on loam soils containing 5% or more organic matter, and on clay loams and clays containing 4% or more organic matter.) Do not use on sands and loamy sands having less than 1% organic matter in the light sandy soils of eastern coastal states. Do not use Cy-Pro AT DF plus Sutan+ or Eradicane 6.7E on field corn grown for seed.

Apply before planting. Incorporate the mixture immediately after application using power-driven cultivation equipment set for 2 to 3 inches in depth, or a tandem disc set to cut to a depth of about 4 inches while operating at 4 to 6 mph. 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 4 inches. Cy-Pro AT DF may be applied preemergence as an overlay over previously incorporated Sutan+ or Eradicane, if desired. Do not incorporate Cy-Pro AT DF deeper than 2 inches or weed control may be reduced.

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

Additional weeds controlled by Sutan+ or Eradicane combinations:

- Grasses
- Sandbur
- Shattercane (Wild Cane)*
- Texas Panicum
- Quackgrass (Eradicane only)
- Wild Proso Millet* (Eradicane only)
- Perennial Weeds
- Yellow Nutsedge (Nutgrass)
- Purple Nutsedge (Nutgrass)

*Suppression only - refer to Sutan+ or Eradicane label for appropriate supplemental cultural and tillage practices.

For fields with moderate to heavy infestations of these weeds refer to the Sutan+ or Eradicane label for appropriate higher rates.

POSTEMERGENCE USES ON FIELD CORN

Under warm, sunny, dry conditions of low humidity and the absence of dew formation at night Cy-Pro AT DF may be applied postemergence on field corn only. Apply in water 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.

For best results, apply Cy-Pro AT DF from crop emergence through two-leaf stage of corn. Postemergence application must be made before fifth leaf is visible.

Do not apply this treatment under cold (daytime high <55°F), 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 Cy-Pro AT DF postemergence on popcorn, sweet corn or corn grown for seed.

CY-PRO AT DF APPLIED ALONE

Use Cy-Pro AT DF at the proper rate for the soil texture and organic matter shown in Table 6. Use rates shown in Table 6 if Cy-Pro AT DF or other cyanazine herbicides or Cy-Pro AT or other cyanazine/atrazine herbicides have not been applied to the soil this season. This treatment may be used on peat or muck soils for burn down and suppression of existing weeds but will not provide residual control. Apply from crop emergence through the four-leaf stage of corn growth before weeds exceed about 1 1/2 inches in height. Do not apply over the top of corn if the fifth leaf is visible or if corn exceeds 12 inches in height. Apply in water only. Do not spray emerged corn plants in a liquid fertilizer carrier or in tank mix combinations with EC formulation herbicides.

TABLE 1

EARLY PREPLANT OR PREEMERGENCE BROADCAST APPLICATION RATES IN CONVENTIONAL TILLAGE WITH <30% SURFACE RESIDUE APPLIED ALONE FOR FIELD CORN POPCORN AND FIELD CORN GROWN FOR SEED

Soil Texture Description	Pounds of Cy-Pro AT DF**					
	Less than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sand	DO NOT USE	1.4	1.7	2.2	2.8	3.6
Sandy loam	1.4	1.7	2.2	2.8	3.6	4.4
Loam, Silt loam, Silt	1.7	2.2	3.1	3.6	4.4	5.0
Sandy clay loam, Clay loam, Silty clay loam	2.2	3.1	3.6	4.4	5.0	5.3
Sandy clay, Silty clay, Clay	3.1	3.6	4.4	5.0	5.3	5.8
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 (9.6 pounds Cy-Pro AT DF) except on highly erodible land with less than 30% plant residue cover, the rate limit is 3.0 pounds cyanazine (4.4 pounds Cy-Pro AT DF).

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 RATES IN CONSERVATION TILLAGE OR NO-TILL WITH > 30% SURFACE RESIDUES FOR FIELD CORN, POPCORN AND FIELD CORN GROWN FOR SEED

Soil Texture	% OM=	Pounds of Cy-Pro AT DF**				
		<1%	1%	2%	3%	4%
Sand, Loamy sand	DO NOT USE	1.8	2.1	2.8	3.9	4.5
Sandy loam	1.8	2.1	2.8	3.9	4.5	5.5
Loam, Silt loam, Silt	2.1	2.8	3.9	4.5	5.5	6.3
Sandy clay loam, Clay loam, Silty clay loam	2.8	3.9	4.5	5.5	6.3	6.6
Sandy clay, Silty clay, Clay	3.9	4.5	5.5	6.3	6.6	7.3
Peat or Muck	NOT RECOMMENDED					

**Maximum rate limit per acre per year for all applications is 6.5 pounds cyanazine (9.6 pounds Cy-Pro AT DF) except on highly erodible land with <30% plant residue cover where under no conditions will the rate exceed 3 pounds cyanazine (4.4 pounds Cy-Pro AT DF).

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 CY-PRO AT DF APPLIED ALONE ON SWEET CORN IN CONVENTIONAL TILLAGE WITH <30% SURFACE RESIDUE

Soil Texture Description	Pounds of Cy-Pro AT DF**					
	Less than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sand	Do Not Use	1.3	1.8	2.1	2.6	3.5
Sandy loam	Do Not Use	1.6	2.1	2.6	3.3	4.4
Loam, Silt loam, Silt	Do Not Use	2.1	2.6	3.3	4.1	4.9
Sandy clay loam, Clay loam	Do Not Use	2.6	3.1	4.1	4.9	5.4
Silty clay loam	Do Not Use	3.1	4.4	4.9	5.4	5.8
Sandy clay, Silty clay, Clay	Do Not Use	3.1	4.4	4.9	5.4	5.8
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 (9.6 pounds Cy-Pro AT DF) except on highly erodible land with <30% plant residue cover where under no conditions will the rate exceed 3 pounds cyanazine (4.4 pounds Cy-Pro AT DF).

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 CY-PRO AT DF USED IN TANK MIX COMBINATIONS WITH LASSO, SUTAN+, ERADICANE, DUAL, FRONTIER, SURPASS OR HARNESS PLUS IN CONVENTIONAL OR CONSERVATION TILLAGE FOR FIELD CORN, POPCORN OR FIELD CORN GROWN FOR SEED

Soil Texture Description	Pounds of Cynex Extra DF***					
	Less than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sand	0.7**	0.8	1.4	1.7	1.9	2.2
Sandy loam	0.8	1.4	1.7	1.9	2.2	2.5
Loam, Silt loam, Silt, Sandy clay loam	1.4	1.7	1.9	2.2	2.5	2.8
Clay loam, Silty clay loam	1.7	1.9	2.2	2.5	2.8	3.1
Sandy clay, Silty clay, Clay	1.9	2.2	2.5	2.8	3.1	3.9
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 (9.6 pounds Cy-Pro AT DF) except on highly erodible land with <30% plant residue cover, the rate limit is 3.0 pounds cyanazine (4.4 pounds Cy-Pro AT DF).

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 AT DF USED IN TANK MIX COMBINATIONS WITH LASSO, SUTAN+, ERADICANE OR DUAL ON SWEET CORN

Soil Texture Description	Pounds of Cy-Pro AT DF					
	Less than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sand	DO NOT USE	0.9	1.3	1.6	1.8	2.2
Sandy loam	DO NOT USE	1.3	1.8	1.8	2.2	2.4
Loam, Silt loam, Silt	DO NOT USE	1.6	1.8	2.2	2.4	2.9
Sandy clay loam, Clay loam, Silty clay loam	DO NOT USE	2.0	2.2	2.4	2.9	3.1
Sandy clay, Silty clay, Clay	DO NOT USE	2.2	2.7	2.9	3.1	3.3
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 (9.6 pounds Cy-Pro AT DF) except on highly erodible land with <30% plant residue cover where under no conditions will the rate exceed 3 pounds cyanazine (4.4 pounds Cy-Pro AT DF).

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 6
POSTEMERGENCE BROADCAST APPLICATION RATES PER
ACRE FOR CY-PRO AT DF ON FIELD CORN

Soil Texture Description	Percent Organic Matter in Soil*			
	Less than 1%	1%	2%	Over 2%
Sand, Loamy sand	DO NOT USE	1.3	1.8	2.2
Sandy loam	1.3	1.8	2.2	2.2
Loam, Silt loam, Silt	1.8	2.2	2.2	2.2
All other textures	2.2	2.2	2.2	2.2

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

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 7
POSTEMERGENCE BROADCAST APPLICATION RATES PER
ACRE FOR CY-PRO AT DF ON FIELD CORN

Soil Texture Description	Percent Organic Matter in Soil*			
	Less than 1%	1%	2%	Over 2%
Sand, Loamy sand	DO NOT USE	DO NOT USE	1.5	1.5
Sandy loam	DO NOT USE	DO NOT USE	1.75	2.2
Loam, Silt loam, Silt	DO NOT USE	1.5	2.2	2.2
All other textures	DO NOT USE	2.0	2.2	2.2

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

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 AT DF 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 the 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 AT DF.

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 AT DF.

When applied as a postemergence herbicide, Cy-Pro AT DF 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 AT DF postemergence to a crop that is damaged or growing under stress.

FERTILIZER IMPREGNATION

Cy-Pro AT DF 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.

GENERAL BLENDING DIRECTIONS

Cy-Pro AT DF may be coated on or impregnated in dry bulk fertilizers using trower blenders, rotary drum blenders, blending augurs or conveyors. DO NOT impregnate Cy-Pro AT DF or tank mixes containing Cy-Pro AT DF 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 AT DF 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 immediately after impregnation. Impregnated fertilizer may become lumpy and difficult to spread if stored.

A. Cy-Pro AT DF may be used as the only herbicide for impregnation.

1. Add Cy-Pro AT DF to 1/2 the fertilizer volume required and mix thoroughly.
2. Spray 1 gallon of water (to break down DF) and 1 gallon of diesel fuel (to prevent evaporation and clumping) per ton of fertilizer and allow to mix thoroughly. NOTE: If the fertilizer is dusty, add the diesel fuel before adding the herbicide.
3. Add remaining fertilizer and mix thoroughly (3 minutes or more for rotary drum blenders).
4. Add 2 to 3% Ag-Sorb or 1 to 2% MP-79 drying agent (or a suitable amount of another effective drying agent) to ensure a spreadable herbicide/fertilizer mixture. The need for a drying agent is determined by the wetness of the fertilizer batch. Wetness can change with humidity, nitrogen content, fertilizer types, fertilizer rates and herbicide rates.

B. Cy-Pro AT DF may be used in tank mixes with other dry herbicides including Princep Caliber 90. Follow the procedures as above in "A".

C. Cy-Pro AT DF may be used in tank mixes where an EC or other liquid herbicide acts as the sticking agent. This may eliminate the need for water and/or diesel fuel.

1. While fertilizer is blending, add the Cy-Pro AT DF. Experience has shown that this will provide the most consistent performance due to the grinding action of the DF.
2. Spray in the EC herbicide and mix thoroughly (3 minutes or more for rotary drum blenders).
3. Add drying agent to ensure a spreadable herbicide/fertilizer mixture. Usually less drying agent is required when using Cy-Pro AT DF.

D. Pre-slurried Cy-Pro AT DF can be used alone or in a tank mix for impregnation. For rotary-drum mixers, the liquids can be moved into the drum using an air system or liquid pump. Do not add extra water. Add drying agent to ensure a spreadable herbicide/fertilizer mixture.

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

APPLICATION: Uniform application of Cy-Pro AT DF which has been impregnated in or coated on dry fertilizer is essential for satisfactory weed control and crop safety. Accurate calibration of the fertilizer applicator is necessary. Applying while turning at the ends of the fields may result in excessive application rates causing crop injury. Do not double apply across the ends or sides of the field. Crop injury and/or poor weed control may occur where the impregnated fertilizer is not uniformly applied. Air flow or auger metered application equipment is preferred (one pass application). If other equipment is used, the recommended method of application is to apply 1/2 the recommended rate and overlap 50 percent to double apply by splitting the middles to obtain the best distribution pattern.

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.

Accent is a trademark of E. I. Du Pont de Nemours & Co. (Inc.)

Bavel is a trademark of Sandoz Crop Protection Corp.

Cy-Pro is a trademark of Griffin Corp.

Dual, Concep II are trademarks of CIBA-Geigy Corp.

Eradicane, Sutan+ are trademarks of ICI Americas, Inc.

Griffin and Design are a registered trademark of Griffin Corporation.

Lasso, Roundup are trademarks of Monsanto Co.

Princep, Dual, Caliber are trademarks of CIBA-Geigy Corp.

GCN 07199A
CPC 0355A

- 6 -
BEST AVAILABLE COPY