PM 25 1812-368 PP 1 of 33

Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. No.	Date of Issuance:
1812-368	FEB - 9 1996

NOTICE OF PESTICIDE:
XX Registration
____ Reregistration

(under FIFRA, as amended)

Term of Issuance: **CONDITIONAL**

Name of Pesticide Product:

Cynex Extra DF

Name and Address of Registrant (include ZIP Code):

Griffin Corporation
P.O. Box 1847
Valdosta, GA 31603-1847

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

I. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

II. Make the following label changes:

A. <u>On page 1</u>:

1) Revise the EPA Registration Number to read, "**EPA Reg. No. 1812-368**".

2) You must include the Net Contents as prescribed in paragraph (d) of 40 CFR §156.10.

B. <u>On page 3</u>:

1) Under the **USER SAFETY RECOMMENDATIONS** section, modify the first sentence in the second bullet to read "Remove clothing and all personal protective equipment immediately if pesticide gets inside."

2) Under the **ENVIRONMENTAL HAZARDS** section, in the first sentence - add the "active" before "ingredients of Cynex Extra DF..." and change the word "ban" to "can".

3) Under the **DIRECTIONS FOR USE** section, add the sentence "This labeling must be in the possession of the user at the time of pesticide application." after the first sentence.

Continued

Signature of Approving Official:	Date:
Donald R. Stubbs	FEB 9 1996

EPA Form 8570-6

C. On page 4:

1) In the **AGRICULTURAL USE REQUIREMENTS** box, the first sentence should read "Use this product in accordance with the Worker Protection Standard, 40 CFR part 170. Modify the list of required PPE for early entry to treated areas by adding "- Chemical resistant footwear plus socks." and "-Protective eyewear." Delete "- Shoes plus socks."

D. On page 5:

1) Under the **BEST MANAGEMENT PRACTICES FOR GROUND AND SURFACE WATER PROTECTION** section in the second paragraph, change the "100%" to "110%" in the ninth sentence; change "or" to "of" in the tenth sentence; and delete the space between "above-specified" on line 14.

2) In the "**Atrazine Rate Limits:**" section a., change "(SC)" to "(SCS)".

E. On page 6: Change "ali/A" to "a.i./A" in the first sentence.

F. On page 7: Add "and" between "treatment" and "if" in the first complete sentence. Under the **Rotational crops** section, modify the sentence in (2) to read "If soybeans are to be planted the year following the use of this herbicide, injury may occur." Delete the duplicate phrase "may be planted" in (5).

G. On page 8: Under the "**I. General**" section, change 7.5 gallons to 10 gallons of water in Section 1. or justify the lower gallonage. Also, add the phrase "on corn." to the end of the first sentence in Section 2.

H. On page 9: In 13., change "emulsible oil" to "emulsible crop oil" and "oil concentrate" to "crop oil concentrate".

I. On page 11: In the chart, change "Cynex DF/SUTAN+6.7E" to "Cynex DF/SUTAN+ or Eradicane 6.7E". Move the sentence below the chart and place it above the chart for clarity. Change "than" to "tank" in this sentence.

J. Clarify all tank mix product names, i.e. "Eradicane 6.7E, "Princep 4L", "DUAL 8E", "Gramoxone Extra", etc. Check all tank mix product rates and use directions throughout the label to make sure they are correct and they are compatible with Cynex Extra DF.

K. On page 16: under the **"CYNEX EXTRA DF COMBINATIONS"** section, add statements similar to: "Refer to the manufacturers' labels for the proper use rates, rotational guidelines, and all other precautions. Follow label with the most restrictive requirements."

L. On page 21: Under the **"Sequential Treatments:"** section, modify the first sentence to read "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."

M. On page 22: Modify the heading to read **"POSTEMERGENCE USES ON FIELD CORN"** for clarity. Correct the spelling of "rate" in the first sentence and "petroleum" in the second sentence.

N. On page 25: Correct the spelling of **"Rotational"** in the **Rotational Crops** section and add the following to (1): "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."

III. You must include in all of your cyanazine registrations that you agree to the terms and conditions set forth in sections 3., 4., 5., 6., 7., and 8. of the DuPont/Agency cyanazine phase-out agreement which was approved on August 2, 1995. Some of those terms include the following:

A. The labels of all cyanazine formulated end-use products released for shipment after July 25, 1996, for use in the U.S., must be amended as follows:

(1) Limit the maximum use rates from the current 6.5 lbs./acre to 5 lbs./acre beginning January 1, 1997; 3 lbs./acre beginning January 1, 1998; and 1 lb./acre beginning January 1, 1999 through December 31, 2002.

(2) Specify that closed cab application will be required for applications to be made during or after the 1998 use season.

(3) Add the following statements: "This product may not be sold or distributed after September 30, 2002." and "This product may not be used after December 31, 2002."

B. No cyanazine formulated end use products registered for use in the U.S. shall be released for shipment by a registrant after December 31, 1999.

C. Existing stocks of all cyanazine formulated end use products that have been released for shipment by a registrant on or before December 31, 1999, may continue to be distributed and sold in the channels of trade in accordance with their labels through September 30, 2002. The use of such existing stocks may continue in accordance with their labels through December 31, 2002.

D. The voluntary cancellation date of December 31, 1999 shall become a part of the terms and conditions of all cyanazine registrations.

IV. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

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.

CYNEX EXTRA DF
HERBICIDE
DISPERSIBLE GRANULE

ACTIVE INGREDIENTS:

Cyanazine: 2[[4-chloro-6-(ethylamino)-s-triazin-2-yl]amino]-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 this label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

IF S. LLOWED: 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.

GRIFFIN CORPORATION
Valdosta, GA 31601

ACCEPTED
with COMMENTS
In EPA Letter Dated
FEB - 9 1996
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 1812-368

EPA REG. NO. 1812-

6/ 33

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 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

Cyanazine and Atrazine, the ingredients of Cynex Extra DF, are pesticides which can move (seep or travel) through soil and ban 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 Cynex Extra 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 run-off from treated areas. To minimize cyanazine run-off, follow the Best Management Practices outlined in the Directions For Use section of this label.

Atrazine is toxic to aquatic invertabrates. Do not apply directly to water or wetlands. 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. 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.

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.

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, 100% 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 were field surface water run-off enters perennial or intermittent streams and rivers or within 200 feet of natural or impounded likes 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.

Atrazine Rate Limits: One pound of Cynex Extra DF contains 0.225 lb 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 1.6 pouunds a.i./A.

b. On land that is not highly erodible, the maximum rate of atrazine is 2 pounds a.i./A.

For post emergence applications, if there has been no previous soil application to the crop, the maximum rate of atrazine from all sources is 2 pouunds 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 Cynex Extra DF contains 0.675 lb active ingredient cyanazine. Adhere to the use rate recommendations in this or other label. In addition:

b. Do not apply more than 3.5 lbs. 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.

GENERAL INFORMATION

Cynex Extra 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.

Cynex Extra DF is not effective when used preemergence on peat or muck soils.

Do not use Cynex Extra 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.

Post emergence 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.

Weather Effects: As a preemergence herbicide, Cynex Extra 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 ten days after application of Cynex Extra 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 5-7 mph. Incorporation should not be more than three inches deep to keep from burying the herbicide. A spike-toothed harrow, deep tillage disk or rolling basket device is not recommended for incorporating Cynex Extra DF.

When applied as a post-emergence herbicide, Cynex Extra 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 Cynex Extra DF postemergence to a crop that is damaged or growing under stress.

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

Rotational crops: (1) Plant only corn, sorghum, or soybeans the year following the use of this mixture. (2) If soybeans are to be planted, injury may occur. (3) If applied after June 10, do not rotate with crops other than corn or sorghum the next year or injury may accur. (4) In the high plains and intermountain 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 ot sorghum not treated with this mixture or atrazine is to precede other rotational crops. (5) Small grains may be planted may be planted 15 months after application. (6) All other crops may be planted 18 months after application.

Triazine Resistant Weeds: In fields where triazine resistant biotypes of weeds have been

identified, Cynex Extra 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.

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 Cynex Extra 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 7.5 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.

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 Cynex Extra DF to the tank or inductor.

7. Fill tank to 75 percent 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 re-mix 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 build up 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 oil, 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 1 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 preslurry 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 Cynex Extra DF use rate for this evaluation.

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

This chart is based on one pound of Cynex Extra DF (0.9 pound active ingredient) per acre in the indicated carrier volumes. Intended field use rates are achieved by varying the amount of Cynex Extra DF (e.g., for a field use rate of 3 quarts of Cynex Extra DF in 15 gallons of carrier per acre, add 4.8 teaspoons of Cynex Extra DF to the quart jars containing one pint of carrier. Calculation: 3 quarts of Cynex Extra DF/15 gallons of carrier per acre = 3 X 1.6 = 4.8 teaspoons of Cynex Extra DF per pint of carrier).

4. 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:

   a. Separated phases do not re-mix uniformly.
   b. Screen/nozzle plugging lumps do not disperse.
   c. Precipitate does not re-suspend readily.
   d. Precipitate sticks tenaciously to the glass

5. If none of the above problems occur in either jar, then the herbicides can, in most cases, be safely used without a compatibility agent.

6. If problem 4.a or 4.b occur in the jar marked "without" but does not occur in the jar marked "with," the compatibility agent should be used.

7. If problem 4.a or 4.b 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.

8. If problem 4.c or 4.d 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.

9. If problem 4.c or 4.d 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.

Tank Mix Combination	Compatibility Agents
Cynex Extra DF/LASSO (Liquid Fertilizer Grade)	Probably not needed in 28-0-0, 10-34-0. COMPEX may help in others.
Cynex Extra DF/SUTAN+6.7E	Probably not needed in 28-0-0. Incompatible in 10-34-0. Unite, Spray-Mate, Kem-Link, may help in others.
Cynex Extra DF/DUAL 8E	Probably not needed in 28-0-0. Unite, Spray-Mate, Ivory Liquid may help in others.

Tests have indicated that compatibility agents, noted below by the varous than mix combinations, may give improved comatibility in liquid fertilisers.

III. Application Equipment

1. 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.

2. Use a pump with capacity to:
   a. Maintain 35-40 psi at nozzles.
   b. Provide sufficient agitation in tank to keep mixture in suspension.
   c. Provide a minimum of 20 percent bypass at all times.

3. 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.

4. 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

Cynex Extra 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

Cynex Extra DF may be coated on or impregnated in dry bulk fertilizers using tower blenders, rotary drum blenders or blending augurs or conveyors. DO NOT impregnate Cynex Extra DF or tank mixes containing Cynex Extra 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 Cynex Extra DF alone. Use a minimum of 200 lbs. and a maximum of 450 lbs. 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.

A. Cynex Extra DF may be used as the only herbicide for impregnation.

1. Add Cynex Extra DF to 1/2 the fertilizer volume required and mix thoroughly.

2. Spray one gallon of water (to break down DF) and one gallon of diesel fuel (to prevent evaporation and crusting) 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.)

2. Add 2-3% Ag-Sorb or 1-2% 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. Cynex Extra DF may be used in tank mixes with other dry herbicides including PRINCEP CALIBER 90. Follow the procedure as above in "A".

C. Cynex Extra 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 Cynex Extra 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 Cynex Extra DF.

D. Pre-slurried Cynex Extra 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/fiertilizer mixture.

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

APPLICATION: Uniform application of Cynex Extra 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.

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

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.

CORN

WEEDS CONTROLLED BY Cynex Extra 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 grounsel
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
Poorjoe
Prickly sida (teaweed)
Prostrate knotweed
Prostrate spurge
Ragweed (Common)
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 Cynex Extra 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.

PREEMERGENCE-PREPLANT INCORPORATED

Apply Cynex Extra DF treatments just before, at or after planting but before crop has emerged. Avoid removal of treated soil from seed row prior to or during the planting

operation.

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

Rotary hoeing is recommended for preemergence applications which 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.

Cynex Extra DF alone or in tank mix combinations should not be incorporated more than three inches deep to keep from burying the herbicide. Single or two pass incorporation with a tool such as a field cultivator operated at 5-7 mph is acceptable. A spike-toothed harrow, deep tillage disk or rolling basket device is not recommended for incorporating Cynex Extra DF.

See the Rotational Crops statement in the General Information section of the label.

Cynex Extra DF Applied Alone

Use the proper rate for the soil texture and organic matter indicated in Table 1.

TABLE 1
PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR Cynex Extra DF APPLIED ALONE ON CORN

	Quarts of Cynex Extra DF**					
	Percent Organic Matter in soil*					
Soil Texture Description	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 lbs. cyanazine (9.6 pounds Cynex Extra DF) except on highly erodible land with less than 30% plant residue cover, the rate limit is 3.0 lbs. cyanazine (4.4 pounds Cynex Extra DF)

CYNEX EXTRA DF COMBINATIONS

Cynex Extra DF plus LASSO 4EC

Use Cynex Extra DF at the proper rate for the soil texture and organic matter shown in Table 2 plus 2 quarts per acre of LASSO (Use 2.5 quarts of LASSO on clay soils containing 5 percent organic matter and over.)

Cynex Extra DF plus SUTAN+ 6.7E or ERADICANE 6.7E

Use Cynex Extra DF at the proper rate for the soil texture and organic matter shown in Table 2 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 percent or more organic matter, and on clay loams and clays containing 4 percent or more organic matter.) Do not use on sands and loamy sands having less than 1 percent organic matter in the light sandy soils of eastern coastal states. Do not use on corn seed stock.

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. Cynex Extra DF may be applied preemergence as an overlay over previously incorporated SUTAN+ or ERADICANE, if desired

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.

Cynex Extra DF plus DUAL 8E

Use Cynex Extra DF at the proper rate for soil texture and organic matter shown in Table 2. Use DUAL as follows:

SOIL TEXTURE	BROADCAST RATE PER ACRE FOR "DUAL"
Coarse: Sand, Loamy sand, Sandy loam	1.25 - 1.5 pints
Medium: Loam, Silt loam, Silt	1.5 - 2.0 pints
Fine: Sandy clay loam, Silty clay loam, Clay loam, Sandy clay, Silty clay, Clay	1.5 - 2.5 pints

The low end of the rate range should be used for lowest organic matter soils and the rate increased as organic matter increases to a point that soils containing 4 percent organic matter or more require the highest rate shown for that soil texture. Refer to the DUAL label for precautions on rotational crops.

TABLE 2
PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR Cynex Extra DF USED IN TANK-MIX COMBINATIONS WITH "LASSO", "SUTAN+", "ERADICANE", OR "DUAL" ON CORN

	Quarts of Cynex Extra DF***					
	Percent Organic Matter in soil*					
Soil Texture Description	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	3.3
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 lbs. cyanazine (8.7 quarts Cynex Extra DF) except on highly erodible land with less than 30% plant residue cover, the rate limit is 3.0 lbs. cyanazine (4.0 quarts Cynex Extra DF).

Cynex Extra DF plus DUAL 8E

Use Cynex Extra DF at the proper rate for soil texture and organic matter shown in Table 2. Use DUAL as follows:

SOIL TEXTURE	BROADCAST RATE PER ACRE FOR "DUAL"
Coarse: Sand, Loamy sand, Sandy loam	1.25 - 1.5 pints
Medium: Loam, Silt loam, Silt	1.5 - 2.0 pints
Fine: Sandy clay loam, Silty clay loam, Clay loam, Sandy clay, Silty clay, Clay	1.5 - 2.5 pints

The low end of the rate range should be used for lowest organic matter soils and the rats increased as organic matter increases to a point that soils containing 4 percent organic matter or more require the highest rate shown for that soil texture. Refer to the DUAL label for precautions on rotational crops.

CONSERVATION TILLAGE WEED CONTROL
(30 days prior to planting up to corn emergence)

Cynex Extra 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. Cynex Extra DF when used according to the following directions will kill most existing small weeds and suppress many emerged prennial 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 the proper rate of Cynex Extra DF shown in Table 1. Where heavy crop residues exist, the rates shown in Table 1 should be increased by 25 percent.

Grass and Broadleaf Weeds Up to 3 Inches: Use Cynex Extra DF alone and add 1-2 quarts of crop oil concentrate (COC) if weed are emerged at time of application. For best burndown results use a minimum of 20 gal/acre of liquid fertilizer as the carrier.

Broadleaf Weeds Exceed 3 Inches: If broadleaf weeds are taller than 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 buckwheat, dandelion, dock, giant ragweed, marestail, pennycress, prickly lettuce and tansy mustard. To control exisitng alfalfa, add 0.3 to 0.5 pint/acre of BANVEL to the spray mixture. 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.

Burndown of Sod Grasses or Under Dry Conditions: For burndown 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 Tankmixes: Other labeled products may be tankmixed with Cynex Extra DF according to the directions for those treatments in the Preemergence section of the label.

Early preplant applications of Cynex Extra DF may be tankmixed 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: Depending upon the application timing and the weather conditions following an early preplant application, a sequential herbicide treatment may be necessary to provide additional length of weed control. This may be a post-emergence treatment with Cynez DF or other cyanazine herbicides or Cynex Extra or other cyanazine/atrazine herbicides or some other herbicide treatment applied to or after planting.

Rotational Crops: Refer to the General Information section of this label and to the labels of all products used in combination or in sequence.

POSTEMERGENCE

Under dry, arid conditions of low humidity and the absence of dew formation at night, add a nonionic surfactant or an emulsible vegetable (EV) oil suitable for use on growing corn at its recommended ratey. Do not use prtroleum-based oils. Addition of a surfactant or EV oil is not recommended under moist, rainy conditions and when dew forms at night as injury may occur.

Postemergence application must be made before corn reaches 12 inches in height, or before fifth leaf is visible.

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 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 postemergence on popcorn, sweet corn, or corn grown for seed.

Cynex EXTRA DF APPLIED ALONE

Use Cynex Extra DF at the proper rate for the soil texture and organic matter shown in Table 3 or 4. Use rates shown in Table 3 if Cynex DF or other cyanazine herbicides or Cynex Extra or other cyanazine/atrazine herbicides have not been applied to the soil this season. Use rates shown in Table 4 if Cynex DF or other cyanazine herbicides or Cynex Extra or other 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 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.

Rotational Crops: Refer to the General Information section of the label.

TABLE 3
POSTEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR Cynex Extra DF ON FIELD CORN

NO PRIOR APPLICATION OF Cynex Extra, CONQUEST, OR OTHER CYANAZINE OR CYANAZINE/ATRAZINE HERBICIDES

	Pounds of Cynex Extra DF			
	Percent Organic Matter in soil*			
Soil Texture Description	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.

TABLE 4
POSTEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR Cynex Extra DF ON FIELD CORN

Cynex Extra DF, CYNEX DF OR OTHER CYANAZINE OR CYANAZINE/ATRAZINE HERBICIDES USED IN PRIOR APPLICATION

	Pounds of Cynex Extra DF**			
	Percent Organic Matter in soil*			
Soil Texture Description	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.
**Maximum rate limits per acre per year for all applications is 6.5 lbs. cyanazine (9.6 lbs. Cynex Extra DF) except on highly erodible land with less than 30% plant residue cover, the rate limit is 3.0 lbs. cyanazine (4.4 lb. Cynex Extra DF).

SWEET CORN

Cynex Extra DF may be applied preemergence or preplant incorporated for the control of annual grasses and broadleaf weeds in sweet corn.

NOTE: Cynex Extra DF may cause injury or stand loss on new or "super sweet" varieites of sweet corn. Consult with Agricultural Extension Agencies and sweet corn suppliers about the snesitivity of new varieties to potential injury.

Apply Cynex Extra DF treatments just berore, or at after planting but before crop has emerged. Avoid removal of treated soil from seedrow prior to or during the planting operation. Do not apply postemergence to sweet corn.

Rotary hoeing is recommended for preemergence applications which do not receive adequate

rainfall or sprinkler irrigation to wet the tip 1 1/2 to 2 inches of soil within about 10 days after application.

If a Cynex Extra DF mixture is to be incorporated, except as noted, single or two pass incorporation is acceptable. Care should be taken to incorporate the Cynex Extra DF mixture no deeper than the top two inches of soil.

Rortional Crops: (1) Plant only corn, sorghum or soybeans the year following the use of this mixture. (2) If soybeans are to be planted, injury may occur due to the carry over of Atrazine. (3) If applied after June 20, do not rotate with crops other than corn or sorghum the next year or injury may occur. (4) Small grains may be planted 15 months following treatments. (5) All other crops may be planted 18 months after application.

Cynex EXTRA DF ALONE

Apply Cynex Extra DF at the proper rate for soil texture and organic matter indicated in Table 5.

TABLE 5
PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR Cynex Extra DF APPLIED ALONE ON SWEET CORN

	Quarts of Cynex Extra DF					
	Percent Organic Matter in soil*					
Soil Texture Description	Less than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy sand	DO NOT USE	0.9	1.3	1.6	1.6	2.2
Sandy loam	DO NOT USE	1.3	1.6	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.

Cynex EXTRA DF PLUS LASSO 4EC

Use Cynex Extra DF at the proper rate for the soil texture and organic matter shown in Table 6 plus 2 quarts per acre of LASSO (Use 2.5 quarts LASSO on clay soils containing 5 percent organic matter and over.)

Cynex Extra DF PLUS SUTAN+ 6.7E OR ERADICANE 6.7E

Do not use combinations with SUTAN+ or ERADICANE in New Jersey.

Use Cynex Extra DF at the proper rate for the soil texture and organic matter shown in Table 6 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 percent or more organic matter, and clay loams and clays containing 4 percent or more organic matter.) Do not use on sands and loamy sands having less than 1 percent organic matter nor on the light sandy soils of eastern coastal states. Do not use on corn grown for seed.

Apply before planting. Incorporate the mixture immediately upon application using power-driven cultivation equipment set for 2-3 inch depth, or tandem disc set to cut about 4 inches deep while operating at 4-6 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. Cynex Extra DF may be applied preemergence as an overlay over previously incorporated SUTAN+ or ERADICANE, if desired.

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

TABLE 6
PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR Cynex Extra DF USED IN TANK MIX COMBINATIONS WITH LASSO, SUTAN+, ERADICANE OR DUAL ON SWEET CORN

	Pounds of Cynex Extra DF					
	Percent Organic Matter in soil*					
Soil Texture Description	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	1.6	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.						

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 labels for appropriate higher rates.

Cynex Extra DF plus DUAL 8E

Use Cynex Extra DF at the proper rate for soil texture and organic matter shown in table 6. Use DUAL as follows:

SOIL TEXTURE	BROADCAST RATE PER ACRE FOR "DUAL" 8E
Coarse: Sand, Loamy sand, Sandy loam	1.25 - 1.5 pints
Medium: Loam, Silt loam, Silt	1.5 - 2.0 pints
Fine: Sandy clay loam, Silty clay loam, Clay loam, Sandy clay, Silty clay, Clay	1.5 - 2.5 pints

The low end of the rate range should be used for lowest organic matter soils and the rate increased proportionately as the organic matter increases. Soils containing 4 percent organic matter or more require the highest rate shown for that soil texture. Refer to the DUAL label for precautions or rotational crops.

WARRANTY STATEMENT

Griffin Corporation warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the 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. GRIFFIN MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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BANVEL - Trademark of Sandoz Crop Protection Corp.
Cynex DF, Cynex Extra - Trademarks of Griffin Corp.
DUAL, CONCEP II, Trademarks of CIBA-Geigy Corp.
ERADICANE, SUTAN+ Trademarks of ICI Americas, Inc.
LASSO, ROUNDUP - Trademarks of Monsanto Co.
PRINCEP, DUAL, CALIBER - Trademarks of CIBA-Geigy Corp.