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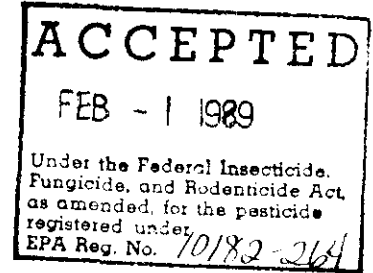
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CYCLONE® TEC Container
RS-071588A

RESTRICTED USE PESTICIDE: 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.

CYCLONE TEC HERBICIDE
KEEP OUT OF REACH OF CHILDREN

DANGER O POISON
X



ONE SWALLOW CAN KILL!

SYMPTOMS ARE PROLONGED AND PAINFUL. ONSET OF SYMPTOMS MAY BE DELAYED FOR UP
TO 3 DAYS AFTER SWALLOWING.

PELIGRO

PRECAUCION AL USUARIO:

Si usted no lee ingles, no use este producto hasta que la etiqueta le haya
sido explicada ampliamente.

- DO NOT USE OR STORE IN OR AROUND HOME.
- DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.
- NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS.
- READ DANGER STATEMENTS AND WORKER SAFETY RULES ON SIDE PANELS.
- REFER TO SIDE PANEL FOR STATEMENT OF PRACTICAL TREATMENT.

ACTIVE INGREDIENT:

By Wt.

Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)...	22.04%
Fluazifop-P-butyl butyl (R)-2[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy] phenoxy]propanoate.....	2.56%
Diuron[3-(3,4-dichlorophenyl)-1,1-dimethylurea].....	0.74%
INERT INGREDIENTS.....	74.66%
	<u>100.0%</u>

EPA Reg. No. 10182-
EPA Est. No.
Net Contents.

ICI Agricultural Products
ICI Americas Inc.
Wilmington, DE 19897

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PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER ⁰/_X POISON

Corrosive, Causes Eye and Skin Damage.
Can Kill if Swallowed. May be Harmful or Fatal if Absorbed Through Skin or Inhaled. May Cause Allergic Skin Reactions.

WORKER SAFETY RULES

DO NOT get on skin, eyes or clothing. DO NOT inhale spray mist. WASH SPLASHES from skin and eyes immediately. REMOVE and wash contaminated clothing. WASH before eating, smoking and drinking. WEAR full face shield, rubber gloves and apron and waterproof footwear when pouring concentrate or when exposure to concentrate is possible. WEAR waterproof footwear and protective clothing when spraying outside of an enclosed cab or aircraft or when contacting vegetation wet with spray.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED

IMMEDIATELY induce vomiting by inserting finger in throat. Administer fluids and induce further vomiting. GET to a hospital or physician fast. PROMPT TREATMENT IS ESSENTIAL and must be initiated before signs and symptoms of injury appear. Note to Physicians: Call ICI AMERICAS MEDICAL EMERGENCY INFORMATION CENTER 800/327-8633 (Dial 1-800 F-A-S-T-M-E-D) at any hour to obtain toxicology and medical management consultation, a supply of bentonite clay, and paraquat analysis. Symptoms following ingestion may be delayed up to 3 days. To be effective, treatment for paraquat poisoning must begin IMMEDIATELY. Treatment consists of binding paraquat in the gut with suspensions of bentonite clay or charcoal and removal of paraquat from the blood by prolonged charcoal hemoperfusion or continuous hemodialysis.

SKIN CONTACT

IMMEDIATELY wash with soap and water. Remove and wash all contaminated clothing with soap and hot water before reuse. Prolonged contact will cause severe irritation. Contact with irritated skin, or a cut, or repeated contact with intact skin may result in poisoning.

EYE CONTACT

IMMEDIATELY wash eyes with water for at least 15 minutes and get medical attention. Contact may cause eye injury.

INHALATION

IMMEDIATELY get away from spray mist. Exposure may cause irritation, nose bleeds and may lead to poisoning. Stop and check spray procedure. Follow Worker Safety Rules.

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ENVIRONMENTAL SAFETY CAUTIONS

WILDLIFE: This product is toxic to wildlife. Birds and other wildlife in treated areas may be killed. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water when disposing of equipment washwaters. **DRIFT:** CYCLONE TEC is a contact herbicide that kills all green plant tissue. Do not apply under conditions involving possible drift to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use, or consumption. Do not apply when weather conditions favor drift from areas treated. For aerial applicators use, do not apply during periods of thermal inversion to avoid drift.

CHEMICAL HAZARD: This product reacts with aluminum to produce hydrogen gas which may form a highly combustible gas mixture. Such gas could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette, or other ignition source. Do not mix or store in containers, spray tanks, nurse tanks, or such systems made of aluminum or having aluminum fittings. After dilution with water to spray concentrations, spray systems made of, or containing aluminum parts, may be used but should not be used for extended (overnight) storage.

EQUIPMENT/CONTAINERS: Flush all spray equipment with water after use each day. CYCLONE TEC is corrosive to aluminum. Aluminum spray equipment and aluminum aircraft structures that are exposed to spray solution or spray drift should be flushed thoroughly with water immediately after use.

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DIRECTIONS FOR USE

It is a violation of Federal law and may endanger the applicator or third parties to use this product without complying with all label directions and warnings.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH DANGER STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

NOTE: Do Not Use Around Home Gardens, Schools, Recreational Parks, or Playgrounds.

Do not apply this product through any type of irrigation system. Refer to Supplemental Pamphlet for Use Directions.

REENTRY STATEMENTS

DO NOT enter treated areas without protective clothing until sprays have dried.

AVOID working in spray mist. If there is a risk of exposure, wear goggles and approved fact mask capable of filtering spray droplets.

KEEP all unprotected persons out of operating areas or vicinity where there may be danger of drift.

Certain states may require more restrictive reentry intervals; consult your State Department of Agriculture for further information.

Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated.

IMPORTANT: The effect of swallowing CYCLONE TEC is far more severe than that which usually results from skin contact or inhalation of spray mist. This product should not cause injury if used according to label instructions. Follow the label as if your life depends on it.

STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

STORAGE

Store at temperatures above 32°F. Do not contaminate feed, foodstuffs or drinking water. Do not store next to feed or food, or transport in or on vehicles containing foodstuffs or feeds. For help with any spill, leak, fire or exposure involving this material, call CHEMTREC 800/424-9300.

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PESTICIDE DISPOSAL

This product is acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or dispose of by other procedures allowed by State and local authorities.

NOTICE TO BUYER AND USER: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller, and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

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CYCLONE TEC HERBICIDE

DIRECTIONS FOR USE

It is a violation of Federal law and may endanger the applicator or third parties to use this product without complying with all label directions and warnings.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH DANGER STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS. READ DANGER AND FIRST AID TREATMENT ON INSIDE FRONT COVER AND WORKER SAFETY RULES.

NOTE: DO NOT USE AROUND HOME GARDENS, SCHOOLS, RECREATIONAL PARKS, OR PLAYGROUNDS. DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

GENERAL INFORMATION

CYCLONE TEC herbicide is a contact herbicide used to control or suppress a broad spectrum of emerged weeds. CYCLONE TEC controls most small annual weeds -- both broadleaves and grasses, and suppresses perennial weeds by destroying green foliage.

CYCLONE TEC is rapidly absorbed by green plant tissue and interacts with the photosynthetic process to produce superoxides which destroy the plant cells. CYCLONE TEC requires actively growing green plant tissue to function.

RAINFASTNESS

Because CYCLONE TEC is rapidly absorbed by the weed foliage, rain occurring 30 minutes or more after application will have no effect on the activity of CYCLONE TEC.

APPLICATION

Since CYCLONE TEC is a contact-type herbicide, it is essential to obtain complete coverage of target weeds to get good control. Improper application technique and/or application to large, stressed, or mown weeds will usually result in unacceptable weed control. See pages 3 and 4 for specific application instructions.

ACCEPTED
FEB - 1 1968
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 70182-764

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USE OF A NONIONIC SURFACTANT

ALWAYS ADD a nonionic surfactant (approved for use on growing crops) containing at least 50% surface active ingredient. The concentration of surface active ingredient in a particular surfactant will determine how much should be added to the tank. Refer to table below for specific recommendations:

Surfactant % Nonionic Active Ingredient	Rate of Surfactant** Per 100 Gallons of Water
75% or greater	1 pint*
50-74%	2 pints
Less than 50%	DO NOT USE

*1 pint = 0.125% V/V.

**For applications where higher rates of surfactant are desired or required, as in chem-fallow, additional surfactant of up to 2 qts/100 gal. may be used.

FAILURE TO USE A NONIONIC SURFACTANT AT RECOMMENDED RATES WILL RESULT IN REDUCED PERFORMANCE OF CYCLONE TEC.

DO NOT use crop oil concentrate or any other oil-based additive with CYCLONE TEC.

NOZZLE SELECTION

The use of flat-fan nozzles will result in the most effective application of CYCLONE TEC. Flood nozzles are generally not as good as flat fans since they produce large uneven droplets. The use of flood nozzles may result in reduced weed control due to inadequate coverage. However, if practical considerations require the use of floods nozzles, refer to the chart below:

RECOMMENDED NOZZLES, PRESSURES AND SETUP

	Nozzle Type	
	<u>Flat fan</u>	<u>Flood</u>
Maximum Size	8	15
Spray Pressure (at nozzle)	30-50 P.S.I.	30-50 P.S.I.
Maximum Nozzle Spacing	30"	40"
Direction of Spray Pattern	Down	Down
Maximum Speed	10 mph	10 mph
Spray Overlap (at each edge)	30%	50%

Using nozzles, pressures, or setups different from the above chart may result in reduced control.

SPRAY CARRIER

Always use clean water (free of mud or clay), clear liquid nitrogen, or complete clear liquid fertilizers as the carrier when spraying CYCLONE TEC. Muddy water, or suspension-type fertilizers containing clay, can inactivate CYCLONE TEC. If using a complete clear liquid fertilizer containing high phosphate levels as the spray carrier, always use the higher rate of CYCLONE TEC and surfactant.

NOTE: When using clear liquid fertilizers such as 28% N, as a carrier, it is important that nonionic surfactant still be used with CYCLONE TEC. Liquid fertilizer carriers cannot substitute for surfactant.

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RATES OF CYCLONE TEC

Follow recommended rates listed with each use of CYCLONE TEC. Use the higher label rates when weeds are dense or large.

SPRAY VOLUME

Follow recommended minimum spray volumes listed with each use of CYCLONE TEC. These are minimum volumes only, and spray volumes should be increased as necessary to obtain complete coverage of the target weed or plant without runoff from the foliage.

DRIFT MINIMIZATION

DO NOT spray if conditions of thermal inversion exist, or if wind direction and speed may cause spray drift onto adjacent areas. With both aerial and ground applications, the use of a drift control or spray deposition additive (in accordance with its label directions) may reduce the potential for drift to occur. Drift minimization is the responsibility of the applicator. Consult with local and state agricultural authorities for information regarding avoiding or minimizing spray drift.

APPLICATION TIMING

CYCLONE TEC should be applied to emerged weeds when they are small. Weeds 1" to 6" in height are the easiest to control. Larger weeds may be more difficult to control. When weeds have been grazed or mowed, thus removing much of the green foliage, allow the weeds to regrow to a height of 2 to 4 inches before spraying. Similarly, when forage or grain crops have been harvested prior to spraying, weeds present in the field will also have been cut. To allow for adequate green foliage to remain on weeds in this situation, raise cutter bars as high as possible from the ground to cut stubble and weeds at a greater height.

BURNDOWN OF GRASS COVER CROPS OR VOLUNTEER CEREALS

When using CYCLONE TEC for control of grass cover crops or volunteer cereals, best results are obtained when CYCLONE TEC is applied prior to tillering or after boot stage. This is especially important with a wheat cover crop or volunteer wheat. Treatments made between tillering and boot stage will generally not provide complete control.

ENVIRONMENTAL CONDITIONS

CYCLONE TEC is active over a wide range of environmental conditions. Cool weather (below 55°) will slow the activity of CYCLONE TEC, as will cloudy, overcast weather, but will not affect performance.

In dry areas, dust stirred up by high winds or equipment tires can coat weed leaves and reduce CYCLONE TEC activity. Avoid applying CYCLONE TEC in extremely dusty conditions.

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IMPROVED WEED CONTROL WITH TANK MIXES

Control of difficult weeds listed below can be improved by tank mixing with other herbicides.

Kochia	Russian Thistle
Tansy Mustard	Perennial Weeds (suppression only)
Prickly lettuce	
Knotweed	

IMPROVED CONTROL OF PERENNIAL BROADLEAF WEEDS

When perennial broadleaf weeds such as canada thistle, bindweed, dandelion, etc. are present, a tank mix with BANVEL, where labeled, will help improve control.

TANK-MIXES

CYCLONE TEC may be applied in tank mixture with the following herbicides:

IGRAN	GLEAN
ATRAZINE	AATREX
BLADEX	GRIFFEX
LEXONE/SENCOR	BANVEL
	2,4-D

Refer to respective product label(s) for rates of application, directions for use, limitations, cautions and for a list of weeds controlled.

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ORDER OF TANK MIXING

In general, CYCLONE TEC tank mixes with other products should be mixed as follows:

1. Fill spray tank 1/2 full with clean water or other approved carrier such as clear liquid fertilizer.
2. Begin tank agitation and continue throughout mixing and spraying.
3. Add dry formulations (WP, DF, etc.) to tank.
4. Add liquid formulations (SC, EC, L, etc.) to tank.
5. Add CYCLONE TEC to tank.
6. Add nonionic surfactant to tank.
7. Fill remainder of spray tank.

Always refer to labels of other pesticide products for mixing directions and precautions which may differ from those outlined here.

Since many of the herbicides listed on this label are available in several types of formulations, it is advisable to perform a jar test to check physical compatibility.

LIMITATIONS, PRECAUTIONS AND WARNINGS

- o DO NOT use around home gardens, schools, recreational parks, or playgrounds.
- o In preplant and preemergence (to the crop) uses, do not apply to soils lacking clay minerals, i.e., peat, muck, pure sand, artificial planting media.
- o Seedbeds and plantbeds should be formed as far ahead of planting and treatment as possible to permit maximum weed and grass emergence prior to treatment.
- o Seeding or transplanting should be done with a minimum amount of soil disturbance.
- o Weeds and grasses emerging after application of CYCLONE TEC will not be controlled or suppressed.
- o Unless otherwise indicated, crop plants emerged at time of application may be severely injured or killed if contacted by sprays of CYCLONE TEC.

SPECIFIC USE RECOMMENDATIONS

The following tables indicate use patterns, rates, minimum spray volumes, pre-harvest intervals and other precautions, restrictions and comments specific to each crop. Read and follow directions carefully.

<u>Crop</u>	<u>Use Pattern</u>	<u>CYCLONE TEC Rate Per Acre</u>	<u>Minimum Total Spray Per Acre</u>	<u>Grazing or Preharvest Interval (Days)</u>	<u>Precautions, Restrictions and Comments</u>
<u>CONSERVATION RESERVE AND FEDERAL SET- ASIDE PROGRAMS</u> (For use in com- pliance with the Federal Conservation Reserve Program or Federal set-aside programs.)	Broadcast	2-4 pints	Ground: 10 Air: 3	-	o For improved emerged weed control or extended weed control, CYCLONE TEC may be tank-mixed with other herbicides registered for this use. Refer to tank mix herbicide labels for specific directions, limitations, cautions and for a list of weeds controlled.
<u>SMALL GRAINS</u> (Barley, wheat) Preplant	Preplant Broadcast	2-3 pts	Ground: 20 gal Air: 3 gal	-	o Plant no sooner than 30 days after treatment. o Do not graze livestock in treated areas or harvest for forage or hay.
<u>CHEMICAL FALLOW</u> (Use during fallow periods in wheat- fallow, wheat-annual crop, and continuous wheat cropping systems)	Broadcast	2-4 pints	Ground: 10 gal Air: 3 gal	-	o Do not plant wheat, barley corn, or sorghum sooner than 30 days after treatment. o Use higher spray volumes for better coverage as density of stubble, crop residue or weeds increase. o The addition of Banvel or 2,4-D may aid in the suppression of emerged preennial broadleaf weeds and large annual broadleaf weeds. o For extended weed control during the fallow period, tank mixes with registered residual herbicide combinations are permissible. o Refer to 2,4-D, Banvel or residual herbicide label(s) for directions, limitations, cautions and for a list of weeds controlled.

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<u>Crop</u>	<u>Use Pattern</u>	<u>CYCLONE TEC Rate Per Acre</u>	<u>Minimum Total Spray Per Acre</u>	<u>Grazing or Preharvest Interval (Days)</u>	<u>Precautions, Restrictions and Comments</u>
<u>COTTON</u>					
Preplant or Preemergence (Used alone)	Broadcast	2-4 pints	Ground: 20 gal - Air: 5 gal		<ul style="list-style-type: none"> o Apply prior to, during or after planting, but crop emergence. o For fallow bed treatment, beds should be preformed to permit maximum weed and grass emergence prior to treatment. o Seeding should be done with a minimum of soil disturbance.
Preplant (California only) (Used alone)	Broadcast	1-4 fl oz	Ground: 20 gal- Air: 5 gal		<ul style="list-style-type: none"> o For control of volunteer barley in preformed seedbeds.
Preplant or Fallow Bed (Tank-mix with Goal)	Broadcast	1-4 pints	Ground or Air: 10 gal	-	<ul style="list-style-type: none"> o Refer to Goal label for specific use directions and restrictions, and weeds controlled.
<u>NONCROP USES</u>	Broadcast or Spot Treatment	2-5 pints	Ground: 50 gal	-	<ul style="list-style-type: none"> o For use in noncrop areas such as public airports electric transformer stations, pipeline pumping stations, around commercial buildings, storage yards and other installations, fence lines or similar noncrop areas. o Avoid contact with the foliage of ornamentals or desired plants. o Repeat as necessary.

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<u>Crop</u>	<u>Use Pattern</u>	<u>CYCLONE TEC Rate Per Acre</u>	<u>Minimum Total Spray Per Acre</u>	<u>Grazing or Preharvest Interval (Days)</u>	<u>Precautions, Restrictions and Comments</u>
<u>SORGHUM</u> (Grain)	Preplant	2-3 pts	Ground: 20 gal Air: 5 gal	-	<ul style="list-style-type: none"> o Plant no sooner than 30 days after treatment. o Seedbeds should be formed as far ahead of planting as possible to allow maximum weed and grass emergence o Seeding should be done with a minimum amount of soil disturbance.
(Tank mixes with Atrazine, Igran, 2-4D)	Preplant				<ul style="list-style-type: none"> o CYCLONE TEC may be tank-mixed with Atrazine, Igran 80W for preemergence or residual weed control. The addition of 2,4-D (ester) may aid in the suppression of perennial and annual broadleaf weeds emerged at the time of application. Refer to the specific tank mix herbicide label(s) for rates, directions, limitations, and cautions and a list of weeds controlled.
<u>TREES AND VINES</u> (Nonbearing)	Directed	2-4 pts	Ground: 10 gal		<ul style="list-style-type: none"> o For control of annual grass and broadleaf weeds and suppression of perennial weeds in nonbearing groves, orchards, or vineyards. o Avoid contact of spray with foliage by using directed sprays. o Do not apply to trees or vines that will be harvested for food within one year after application.

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