

Ponca

10182-111

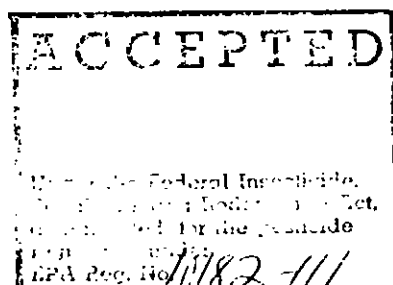
117

1010

AMBUSH® and CYCLONE® are trademarks of ICI Group Companies.
Aelras®, Bicep®, Cotoran®, Dual®, and Princep® are trademarks of CIBA-GEIGY Corporation.
Banvel® and Zonal® are trademarks of Sandoz Crop Protection Company.
Blade®, Candy®, Conquest®, Estrazine®, Glean®, Karmex®, Lesque®, Lercor®, Lercor Plus®, and Previews® are trademarks of E. I. du Pont de Nemours & Company (Inc.).
Dact® is a trademark of Procter & Gamble Company.
Drex®, Gullfax®, and Lurex® are trademarks of Griffin Corporation.
Goal® is a trademark of Rohm and Haas Company.
Larol® and Lasso® are trademarks of Monsanto Agricultural Company.
Modown® is a trademark of Rhone-Poulenc, Inc.
Prox® and Scepter® are trademarks of American Cyanamid Company.
Sencor® and Turbo® are trademarks of Mouay Chemical Corporation.
Surflan® is a trademark of Elianco Products Incorporated.

Please consult the appropriate label for specific recommendations.

ICI
Agricultural Products
Made in U.S.A.
171 Americas Inc.
Wilmington, Delaware 19807



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.



Agricultural Products



A Weed, Grass, and Harvest Aid Herbicide

COMPLETE DIRECTIONS FOR USE

019204

TABLE OF CONTENTS

	Page
STATEMENT OF PRACTICAL TREATMENT	3
PRECAUTIONARY STATEMENTS	4
Hazards to Humans and Domestic Animals	4
Environmental Hazards	5
DIRECTIONS FOR USE	6
Reentry Statements	6
General Information	7
Rainfastness	7
Application	8
Use of a Nonionic Surfactant or Crop Oil Concentrate	8
Nozzle Selection	8
Spray Carrier	10
Rates of CYCLONE	10
Spray Volume	10
Drift Minimization	11
Application Timing	11
Burndown of Grass Cover Crops or Volunteer Cereals	12
Environmental Conditions	12
Spot Spraying	12
Tank Mixing	13-15
Limitations, Precautions and Warnings	16
CROPS	
Conservation Reserve and Federal Set-Aside	17
Corn	18
Field Corn, Popcorn, Sweet Corn	21
Cotton	21
Small Grains	30
Sorghum (grain)	33
Soybeans	36
STORAGE AND DISPOSAL	42

KEEP OUT OF REACH OF CHILDREN

DANGER POISON

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 THE HOME.
- DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.
- NEVER PUT INTO FOOD, DRINK, OR OTHER CONTAINERS.

ACTIVE INGREDIENT: Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride) 29.1%
INERT INGREDIENTS 70.9%
Total 100.0%

Contains 2 lbs. paraquat cation per gallon
Contains stench (odor) and emetic
EPA Reg. No. 10182-111

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: IMMEDIATELY induce vomiting by touching back of throat with finger. Administer fluids and induce further vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. GET TO A HOSPITAL OR PHYSICIAN FAST. PROMPT TREATMENT IS ESSENTIAL AND MUST BE INITIATED BEFORE SIGNS AND SYMPTOMS APPEAR.

NOTE TO PHYSICIANS: Call ICI AMERICAS MEDICAL EMERGENCY INFORMATION NETWORK 1-800-327-8633 (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.

IF ON SKIN: IMMEDIATELY wash with soap and water. Remove and wash all contaminated clothing separate from other laundry with soap and hot water before reusing. Prolonged contact will cause severe irritation. Contact with irritated skin or a cut or repeated contact with intact skin may result in poisoning. GET MEDICAL ATTENTION.

IF IN EYE: IMMEDIATELY wash eyes with water for at least 15 minutes and get medical attention. Contact may cause eye injury. CALL A PHYSICIAN.

IF INHALED: IMMEDIATELY remove to fresh air. Get away from spray mist. Exposure may cause irritation, nose bleeds and may lead to poisoning. Stop and check spray procedure. The odor of this product is from the stench agent which has been added, not from paraquat.

Read and follow PRECAUTIONARY STATEMENTS.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).
FOR CHEMICAL EMERGENCY, Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

BEST AVAILABLE COPY

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER  **POISON**

FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES IRREVERSIBLE EYE DAMAGE. CAUSES SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION.

DO NOT get in eyes, on skin, or on clothing. **DO NOT** breathe spray mist. **WASH SPLASHES** from skin and eyes immediately. **WASH** thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

- When pouring, loading, mixing concentrate or when exposure to concentrate is possible wear: A NIOSH/MSHA-approved pesticide respirator. Protective clothing (disposable suit/coveralls or long-sleeved shirt and pants). Full face shield. Mid-forearm waterproof gloves. Waterproof apron and footwear.
 - When spraying end-use dilution outside of an enclosed cab or aircraft or when contacting vegetation wet with spray wear: Protective clothing (disposable suit/coveralls or long-sleeved shirt and pants). Wide brimmed hat. Waterproof footwear.
- REMOVE** contaminated clothing and wash separate from other laundry before reuse.

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 PRECAUTIONARY STATEMENTS AND STATEMENT OF PRACTICAL TREATMENT ON PAGES 2-5.

NOTE: DO NOT USE AROUND HOME GARDENS, SCHOOLS, RECREATIONAL PARKS, OR PLAYGROUNDS.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

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 face 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.

more after application will have no effect on the activity of CYCLONE herbicide.

APPLICATION

Since CYCLONE herbicide 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. Good coverage is also essential for proper performance in harvest-aid applications. See details below for specific application instructions.

USE OF A NONIONIC SURFACTANT OR CROP OIL CONCENTRATE

ALWAYS ADD ONE OF THE FOLLOWING:

NONIONIC SURFACTANT: Add nonionic surfactant containing 75% or more surfactant-active agent at 0.175% v/v (1 pint per 100 gallons), OR add a nonionic surfactant containing 50-74% surfactant-active agent at 0.25% v/v (2 pints per 100 gallons), of the finished spray volume for ground applications. For aerial applications, add a nonionic surfactant at 0.25% v/v (2 pints per 100 gallons) of the finished spray volume.

CROP OIL CONCENTRATE: Add a non-phytotoxic crop oil concentrate containing 15-20% approved emulsifier, at 1.0% v/v (1 gallon per 100 gallons) of the finished spray volume for ground applications. For aerial applications, add 1 pint of crop oil concentrate per acre. Do not use crop oil concentrate when CYCLONE is used for cotton harvest aid.

NOZZLE SELECTION

The use of flat-fan nozzles will result in the most effective application of CYCLONE herbicide. Flood nozzles are generally not as good as flat

ENVIRONMENTAL HAZARDS

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 ponds). Do not contaminate water when disposing of equipment wash waters.

DRIFT: CYCLONE® herbicide 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 applications 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 linings. 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/CONTAINER: Flush all spray equipment with water after use each day. CYCLONE 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.

IMPORTANT: The effect of swallowing CYCLONE 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.

GENERAL INFORMATION

CYCLONE herbicide is a contact herbicide used to control or suppress a broad spectrum of emerged weeds. CYCLONE herbicide controls most small annual weeds—both broadleaves and grasses, and suppresses perennial weeds by destroying green foliage. CYCLONE herbicide can also be used as a crop desiccant at harvest.

CYCLONE herbicide is formulated as a liquid which contains 2 lbs. of active ingredient per gallon. The formulation contains a nonionic odor and an emetic (an agent which will induce vomiting if the product is swallowed). The odor is included in the formulation to help prevent accidental ingestion of CYCLONE herbicide.

CYCLONE herbicide is rapidly absorbed by green plant tissue and interacts with the photosynthetic process to produce superoxides which destroy the plant cells. CYCLONE herbicide requires actively growing green plant tissue to function. Thorough coverage of all green foliage is essential for effective weed control. CYCLONE is not as effective on drought-stressed weeds, weeds with little green foliage (i.e., mowed or cut weeds), or mature woody bark of trees and vines.

Clay and organic matter rapidly tie up CYCLONE herbicide. As a result, CYCLONE herbicide has no residual soil activity to affect later-planted crops or later germinating weeds.

RAINFASTNESS

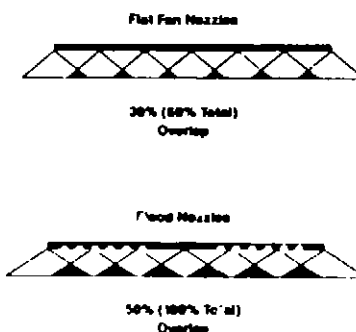
Because CYCLONE herbicide is rapidly absorbed by the weed foliage, rain occurring 30 minutes or

longer since they produce large uneven droplets. The use of flood nozzles may result in reduced weed control due to inadequate coverage.

RECOMMENDED NOZZLES, PRESSURES AND SETUP

	Nozzle Type	
	Flat Fan	Flood
Maximum Size	8	15
Spray Pressure (at nozzle)	30-50 psi	30-50 psi
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 will result in reduced control.



BEST AVAILABLE COPY

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 herbicide. Muddy water, or suspension-type fertilizers containing clay, can inactivate CYCLONE herbicide. Never use suspension-type fertilizers containing clay as the spray carrier. If using a complete clear liquid fertilizer containing high phosphate levels as the spray carrier, always use the higher rate of CYCLONE and surfactant.

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

RATES OF CYCLONE

Follow recommended rates listed with each use of CYCLONE herbicide. Use the higher label rates in weeds are dense or large. Also, use higher rates for harvest aid when crop vegetation is dense.

RAY VOLUME

Follow recommended minimum spray volumes listed with each use of CYCLONE herbicide. 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 label directions) may reduce the potential for drift occur. Drift minimization is the responsibility of the applicator. Consult with local and state agricultural authorities for information regarding avoiding or minimizing spray drift.

If CYCLONE is applied at less than 10 gallons/acre finished spray volume, a drift control or spray deposition additive MUST be used. Refer to the additive label for use directions.

APPLICATION TIMING

CYCLONE herbicide 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 if possible. 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 herbicide for control of grass cover crops or volunteer cereals, best results are obtained when CYCLONE herbicide 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 herbicide is active over a wide range of environmental conditions. Cool weather (below 55°F) will slow the activity of CYCLONE herbicide, 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 herbicide activity. Avoid applying CYCLONE herbicide in extremely dusty conditions.

SPOT SPRAYING

When only small areas are to be sprayed with labeled applications, it is advantageous to mix small quantities of CYCLONE herbicide. To aid in mixing small quantities, the following table should be consulted. When spraying with wand-type applicators as in spot spraying, always follow precautionary statements regarding use, protective clothing and footwear.

If the broadcast rate per acre for CYCLONE is:	Add the following amount of CYCLONE to 1 gal. of water
1 pt	$\frac{1}{8}$ fl. oz.
2 pts	$\frac{1}{4}$ fl. oz.
2 1/2 pts	$\frac{3}{8}$ fl. oz.
4 pts	1 1/2 fl. oz.

Always add $\frac{1}{8}$ to $\frac{1}{4}$ fl. oz. of a nonionic surfactant for each gallon of spray. When spot spraying in this manner, spray thoroughly, wet the foliage, but not to the point of runoff.

TANK MIXING FOR IMPROVED BURNDOWN OF DIFFICULT WEEDS, AND RESIDUAL WEED CONTROL

PHOTOSYNTHETIC INHIBITOR HERBICIDES

Difficult weeds can often be controlled by tank mixing CYCLONE herbicide with other herbicides. The addition of herbicides which are photo-synthetic inhibitors (PSI) will slow the activity of CYCLONE, allowing CYCLONE herbicide to thoroughly distribute itself within the weed leaf. The resulting level of control is usually greater than if CYCLONE herbicide was applied alone.

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

Arazine herbicide	Griffex herbicide
Aurex herbicide	Lexone/Sencor herbicides
Bucep herbicide	Lorox Plus herbicide
Blades herbicide	Lanai herbicide
Canopy herbicide	Prevex herbicide
Conquest herbicide	Princep herbicide
Extrazine herbicide	Lurex/Lorox herbicides
Gemini herbicide	

Refer to respective product labels for rates of application, directions for use, limitations, cautions and for a list of weeds controlled.

IMPROVED WEED CONTROL WITH PSI

Control of difficult weeds listed below can be improved by the addition of a PSI herbicide.

Marestail	Tricky lettuce
Pennsylvania Smartweed	Lambsquarters
Velvetleaf	Morningglory
*Alva (Chenopodium)	Cheatgrass
Fall Panicum	Knotweed
Grass Ragweed	Volunteer wheat
Kochia	Perennial Weeds
Cocklebur	(suppression only)
Tansymustard	

IMPROVED CONTROL OF PERENNIAL AND ANNUAL BROADLEAF WEEDS

When perennial broadleaf weeds such as Canada thistle, bindweed, dandelion, etc., or difficult to control annual broadleaf weeds such as giant ragweed or morningglory are present, tankmixes with 2,4-D ester (cv) 2,4-DB or BANVEL herbicide where labeled, will help improve control. Tank mixing the amine formulation of 2,4-D with CYCLONE herbicide may result in reduced grass control.

ORDER OF TANK MIXING

In general, CYCLONE herbicide tankmixes with other products should be mixed as follows:

1. Fill spray tank $\frac{1}{2}$ full with clean water or other approved carriers 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, E, etc.) to tank.
5. Add CYCLONE herbicide 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.

BEST AVAILABLE COPY

6871

8

Crop	CORN (Cont'd) Tank Mixture Treatments for No-pl/Reduced Till Corn (Cont'd)
Precautions, Restrictions and Comments	• CYCLONE may also be tank mixed with AMBUSH® Insecticide • Refer to respective product label(s) for rates of application, directions for use, limitations, cautions, and for a list of weeds or insects controlled

Crop	FIELD CORN, POPCORN, SWEET CORN *Currently not registered for use in CA
Use Pattern	Postemergence Directed Spray Used
CYCLONE Rate Per Acre	1 pint
Minimum Total Spray Per Acre	Ground 20 gal
Grazing or Preharvest Interval (Days)	—
Precautions, Restrictions and Comments	• Apply when corn is at least 10 inches the lower 3 inches of corn stalks • Corn plants shorter than 10 inches need from soil surface to top of whorl

BEST

18

Crop	CORN Preplant or Preemergence Used A-line
Use Pattern	Broadcast or Banded Over Row
CYCLONE Rate Per Acre	Weeds 1.3* 1.1* 1.5 pps Weeds 3.6* 1* 2 pps Weeds 6* 2.4 pps
Minimum Total Spray Per Acre	Ground 20 gal Ave. 5 gal
Grazing or Preharvest Interval (Days)	—
Precautions, Restrictions and Comments	• Includes field, fresh, sweet forage, fodder and popcorn • Seedbeds should be formed as far ahead of planting and treatment as possible to permit maximum weed and grass emergence • Seeding should be done with a minimum amount of soil disturbance • Weeds and grasses emerging after application will not be controlled. Crop plants emerged at time of application will be killed

Crop	CORN (Cont'd) Tank Mixture Treatments for No-pl/R
Use Pattern	Broadcast or banded
CYCLONE Rate Per Acre	Weeds 1.3* 1.1* 1.5 pps Weeds 3.6* 1* 2 pps Weeds 6* 2.4 pps
Minimum Total Spray Per Acre	Ground 20 gal
Grazing or Preharvest Interval (Days)	—
Precautions, Restrictions and Comments	• Apply as a broadcast spray before or • For improved burn-down or residual following herbicides: 2,4-D Ester Atrazine Bayer Bran Profl® herb Blades Dual® herb Estrazine

16

—MIXTURES, PRECAUTIONS AND WARNINGS

- DO NOT use around home gardens, school recreational parts of playgrounds
- In preplant and preemergence (to the soil) uses, do not apply to sun-drying clay minerals. If wet, must use sand, silt or peeling media
- 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
- Seeding or tillage should be done with a minimum amount of soil disturbance
- Weeds and grasses emerging after application of CYCLONE will not be controlled or suppressed
- Unless otherwise indicated, crop plants emerged at time of application may be severely injured or killed if contacted by sprays of CYCLONE
- **PRODUCT PERFORMANCE CONCERNS**
Concerns with the performance of CYCLONE herbicide must be reported to the nearest dealer or to an IC representative within 14 days of application. Weeds emerging after application or regrowth of perennial weeds do not constitute a separate product performance complaint

SPECIFIC USE RECOMMENDATIONS

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

Crop	CONSERVATION RESERVE AND FEDERAL For use in compliance with the Federal set-aside programs
Use Pattern	Broadcast
CYCLONE Rate Per Acre	2.4 pps
Minimum Total Spray Per Acre	Ground 10 gal Ave. 5 gal
Grazing or Preharvest Interval (Days)	—
Precautions, Restrictions and Comments	• For improved emerged weed control, tank mix with other herbicides registered for specific directions. Consult

1519

26

Crop	COTTON (Cont'd) Preplant/Preemergence (Other Tank Mixes)
Precautions, Restrictions and Comments	• Apply as a broadcast spray before, during or after planting, but before crop emergence. • Other Tankmixes • For improved burndown or residual control, CYCLONE may be tank mixed with the following herbicides: • Coloran® herbicide (4L only) • Zorial® herbicide • Karmex® Drex® herbicides • Dual • Proflor • When tank mixing with Coloran 4L, add Osent® dishwashing liquid to the tank at 8 or 100 gallons water prior to adding the Coloran and CYCLONE. • When tank mixing with any of the herbicides listed above, refer to that product's label for specific directions and restrictions and for a list of weeds controlled.

24

Crop	COTTON (Cont'd) Preplant or Follow Seed/Tankmix with Goal® herbicide
Use Pattern	Broadcast
CYCLONE Rate Per Acre	2.4 pints
Minimum Total Spray Per Acre	Ground 20 gal
Grazing or Preharvest Interval (Days)	—
Precautions, Restrictions and Comments	• Refer to Goal label for specific use directions and restrictions and weeds controlled.

25

Crop	FIELD CORN POPCORN SWEET (JAN) (Cont'd) (Currently not registered for use in California on sweet corn)
Use Pattern	Postemergence Directed Spray/Tankmix with Atrazine
CYCLONE Rate Per Acre	1.0 pints
Minimum Total Spray Per Acre	Ground 20 gal
Grazing or Preharvest Interval (Days)	—
Precautions, Restrictions and Comments	• Do not mix with liquid fertilizer. • For improved control of emerged weeds, especially broadleaf weeds, add 5 to 10 lb. Atrazine 50% tankmix. Refer to the Atrazine label for directions, limitations, cautions and for a list of weeds controlled. • Constant agitation of tankmix is necessary at all times. • Refer to other precautions, etc., in used product section immediately above.

27

Crop	COTTON (Cont'd) Harvest Aid Use Precautions
	• Do not pasture lactating dairy animals. • Do not pasture livestock in treated fields within 15 days after treatment. • Remove livestock from treated area 30 days before slaughter. • Do not feed gin trash to livestock. • Do not apply to cotton within 3 days before harvest. • Repeat application if necessary. Do not make more than 2 applications or exceed a total of 2 pts/A. • When combined with phosphate defoliants, observe livestock restrictions listed on the phosphate label. • When combined with chlorate defoliants, do not pasture livestock on treated areas or feed treated forage or gin trash. • Do not apply within 7 days of harvest when used with phosphate or chlorate defoliant.

BEST AVAILABLE COPY

23

Crop	COTTON (Cont'd) Preplant/Tankmix with Blades
Use Pattern	Broadcast
CYCLONE Rate Per Acre	2.4 pints
Minimum Total Spray Per Acre	Ground 20 gal Air 5 gal
Grazing or Preharvest Interval (Days)	—
Precautions, Restrictions and Comments	• Refer to Blades label for specific use directions and restrictions and weeds controlled.

23

Crop	COTTON Preplant or Preemergence (Used alone)
Use Pattern	Broadcast
CYCLONE Rate Per Acre	2.4 pints (use a minimum of 3 pints in California)
Minimum Total Spray Per Acre	Ground 20 gal Air 5 gal
Grazing or Preharvest Interval (Days)	—
Precautions, Restrictions and Comments	• Apply prior to, during or after planting, but before crop emergence. • For follow-up treatment, beds should be prepared to permit maximum weed and grass emergence prior to treatment. • Seeding should be done with a minimum of soil disturbance.

6/10/9

BEST AVAILABLE COPY

Crop	COTTON (Case 6)
Use Pattern	Harvest aid for boll opening and defoliation (use this with phosphate and cholorate defoliants)
CYCLONE Rate Per Acre	Broadcast 8 R or plus 1 pt phosphate or 1 gal cholorate
Minimum Total Spray Per Acre	Ground 10 gal Air 5 gal
Grazing or Preharvest Interval (Days)	7
Precautions, Restrictions and Comments	- Development of immature bolls will be inhibited - Apply when 80% or more of the bolls are open and the remaining bolls to be harvested are mature - Follow Harvest Aid Use Precautions listed on page 27

Crop	COTTON (Case 6)
Use Pattern	Harvest aid for defoliation of stripper cotton or sample harvested cotton late season
CYCLONE Rate Per Acre	Broadcast 1-2 pnts
Minimum Total Spray Per Acre	Ground 10 gal Air 5 gal
Grazing or Preharvest Interval (Days)	3
Precautions, Restrictions and Comments	- May be applied as a split application. Do not make more than 2 applications or exceed a total of 2 pnts/acre. - Apply when 85% of the bolls are open and the remaining bolls to be harvested are mature - Development of immature bolls will be inhibited - Follow Harvest Aid Use Precautions listed on page 27

Crop	SORGHUM (Cont'd) (To be used with Atrazine and 2,4-D)
Use Pattern	Pre- or Postemergence
CYCLONE Rate Per Acre	
Minimum Total Spray Per Acre	
Grazing or Preharvest Interval (Days)	
Precautions, Restrictions and Comments	CYCLONE may be tank mixed with Atrazine for improved 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 Atrazine herbicide label(s) for rates, directions, limitations, and cautions and a list of weeds controlled.

Crop	SMALL GRAINS (Cont'd) CHEMICAL FALLOW (Cont'd)
Precautions, Restrictions and Comments	- For extended weed control during the fallow period, tankmixes with registered residual herbicide combinations are permissible. - Refer to 2,4-D, Banvel or residual herbicide label(s) for directions, limitations, cautions, and for a listing of weeds controlled. - Weeds taller than 8 inches may not be controlled.

Crop	SMALL GRAINS Barley, wheat, Preplant or Preemergence
Use Pattern	Broadcast or Banded Over Row
CYCLONE Rate Per Acre	Weeds 1' 3" 1 1/4 pts. Weeds 3' 6" 1 1/2 pts.
Minimum Total Spray Per Acre	Ground 20 gal Air 5 gal
Grazing or Preharvest Interval (Days)	
Precautions, Restrictions and Comments	Do not graze livestock in treated areas or harvest for forage or hay.

Crop	SORGHUM (Cont'd)
Use Pattern	Postemergence Directed Application
CYCLONE Rate Per Acre	1-2 pints
Minimum Total Spray Per Acre	Ground 20 gal
Grazing or Preharvest Interval (Days)	
Precautions, Restrictions and Comments	- Apply when sorghum is at least 12 inches tall when naturally standing. Do not exceed 30 psi nozzle pressure or spray under conditions which may cause excessive drift. - Use precision directed-spray application equipment adjusted so that no more than 3 inches of the sorghum stalk is contacted by the application spray. - Some crop injury will occur. The degree of injury is related to the precision of application and spraying conditions.

Crop	SORGHUM (Grain)
Use Pattern	Preplant, Preemergence Broadcast or Band Application
CYCLONE Rate Per Acre	Weeds 1' 3" 1 1/4 pts. Weeds 3' 6" 1 1/2 pts. Weeds 6" 2-4 pts.
Minimum Total Spray Per Acre	Ground 20 gal Air 5 gal
Grazing or Preharvest Interval (Days)	
Precautions, Restrictions and Comments	- Seedbeds should be formed as far ahead of planting as possible to allow maximum weed and grass emergence. - Seeding should be done with a minimum amount of soil disturbance.

Crop	SMALL GRAINS (Cont'd) CHEMICAL FALLOW (Use during fallow periods in wheat fallow, wheat annual crop, and continuous wheat cropping systems)
Use Pattern	Broadcast
CYCLONE Rate Per Acre	1-2 pints
Minimum Total Spray Per Acre	Ground 20 gal Air 5 gal
Grazing or Preharvest Interval (Days)	
Precautions, Restrictions and Comments	- Use higher spray volumes for better coverage as density of stubble, crop residue, or weeds increase. - The addition of Banvel or 2,4-D may aid in the suppression of emerged perennial broadleaf weeds and large annual broadleaf weeds.

THIS IS A COPY

STORAGE AND DISPOSAL**PROHIBITIONS**

Do not contaminate water, land, 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 near 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: 1-800-424-9000.

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.

FOR BULK/BULK-BULK AND EZ HANDLER CONTAINERS

CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS

Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

REFILL ONLY WITH CYCLONE: The contents of this container cannot be completely removed by cleaning. Refilling with materials other than CYCLONE will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER.

BEST AVAILABLE COPY