PHOT 10189-111

Page 1 of 7 CYCLONE Container CYC111C.RSC - RS-103092C

Front Panel

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® Herbicide

A Weed, Grass, and Harvest Aid Herbicide

KEEP OUT OF REACH OF CHILDREN

O DANGER POISON X

ONE SWALLOW CAN KILL!

ACCEPTED
DEC 11 1992

Under the Faderal Insociation.
Fungl i.e. and Redential Act, as assent, d. for the pesticide regis, and under 1874 Reg. No. 1874

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

PELIGRO

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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 P'JT INTO FOOD, DRINK, OR OTHER CONTAINERS.
- REFER 10 SIDE PANEL FOR STATEMENT OF PRACTICAL TREATMENT.
- READ PRECAUTIONARY STATEMENTS ON SIDE/BACK PANELS.

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 EPA Est. No. 10182-

Made in U.S.A.
ICI Agricultural Products
ICI Americas Inc.
Wilmington, DE 19897

Net Contents

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: IMMEDIATELY induce vomiting by touching back of ithroat 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 EYES: 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 victim to fresh air or 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 stenching agent which has been added, not from paraquat.

Read and follow PRECAUTIONARY STATEMENTS.

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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.

For other product information, contact your local ICI Americas Inc. Distributor or see Material Safety-Data Sheet.



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

O DANGER POISON X

FATAL IF SWALLOWED, INHALED OR ABSORELD THROUGH SKIN. CAUSES IRREVERSIBLE EYE DAMAGE. CAUSES SKIN IRRITATION. MAY CAUSE ALLEPGIC 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.

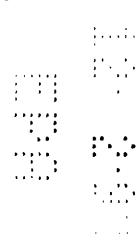
 When spraying end-use dilution outside of an enclosed cab or aircraft or when contacting vegetation wet with spray wear:

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.



ENVIRONMENTAL HAZARDS

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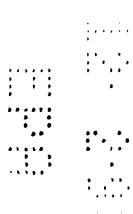
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WILDLIFE: This product is toxic to wildlife. Birds and other wildlife in treated areas may be killed. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water by cleaning of equipment or disposal of waste.

DRIFT: CYCLCNE® herbicide is a contact herbicide that kills all green plant tissue. Do not apply under conditions involving possible arift 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. Refer to the local state laws, regulations, and guidelines for proper application to avoid off-target movement.

CHEMICAL HAZARD: This product reacts with aluminum to produce hydrogen gas which may form a highly combustible gas mixture. Such gas could flash or explede, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted digarette, 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/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.



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, GOLF COURSES, OR PLAYGROUNDS.

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

Refer to attached booklet for use directions.

REENTRY STATEMENTS

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

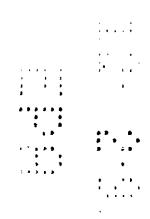
AVOID working in spray misi. If there is a risk of exposure, wear goggles and approved face mask capable of filtering spray droplets.

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.

V'ritten 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 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 1-800-424-9300.

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/MINI-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

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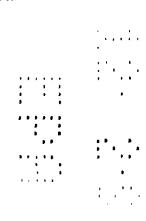
Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

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!



IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND LIMITED WARRANTY:

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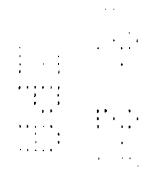
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The Directions for Use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller hamless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, 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 conditions or under conditions not reasonably foreseeable to or beyond the control of 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.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. 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.

CYCLONE® is a trademark of an ICI Group Company.



RESTRICTED USE PESTICIDE

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CYCLONE® Herbicide

A Weed, Grass, and Harvest Aid Herbicide

COMPLETE DIRECTIONS FOR USE

Inside of Front Cover

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ACCEPTED
DEC | 1 1992

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

DIRECTIONS FCR USE AND CONDITIONS OF SALE AND WARRANTY

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When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. 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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Trees & Vines Tyfon (New Hampshire only) Vegetables

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KEEP OUT OF REACH OF CHILDREN

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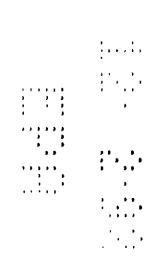
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- DO NOT REMOVE CONTENTS EXCEPT FO!. IMEDIATE USE.
- NEVER PUT INTO FOOD, DRINK, OR OTHER CONTAINERS.

ACTIVE INGREDIENT:

| Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride) | 29.1% |
|--|--------|
| INERT INGREDIENTS: | |
| 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.

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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.

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Read and follow PRECAUTIONARY STATEMENTS.

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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 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.

Waterp of footwear.

REMOVE contaminated ciothing and wash separate from other laundry before reuse.

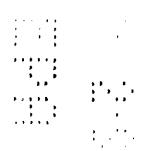
ENVIRONMENTAL HAZARDS

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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/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.



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 STATEMENT OF PRACTICAL TREATMENT AND PRICAUTIONARY STATEMENTS ON PAGES _____.

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

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

REENTRY STATEMENTS

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

AVOID working in spray mist. If there is 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.

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 nontoxic 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

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

APPLICATION

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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.

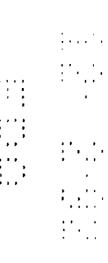
USE OF A NONIONIC SURFACTANT OR CROP OIL CONCENTRATE

ALWAYS ADD ONE OF THE FOLLOWING:

Failure to add one of the following will result in reduced performance of CYCLONE herbicide.

Nonionic Surfactant: Add nonionic surfactant containing 75% or more surface-active agent at 0.125% v/v (1 pint per 100 gallons), **OR** add a nonionic surfactant containing 50-74% surface-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 using CYCLONE 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 fans since they produce large uneven droplets. The use of flood nozzles may result in reduced weed control due to inadequate coverage.

WHEN SPRAYING LESS THAN 20 GALLONS OF SPRAY CARRIER PER ACRE, USE ONLY FLAT FAN NOZZLES AS RECOMMENDED IN THE CHART BELOW.

| RECOMMENDED NOZZLES, PRESSURES AND SETUP | | | | | | | |
|--|-----------------|-----------------|--|--|--|--|--|
| | Nozzie Type | | | | | | |
| | Flat Fan | Flood | | | | | |
| 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 will result in reduced control.

SPRAY CARRIER

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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 nonjonic surfactant still be used with CYCLONE herbicide. Liquid fertilizer carriers carriers carriers carriers carriers.

RATES OF CYCLONE

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

SPRAY 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.

WHEN SPRAYING LESS THAN 20 GALLONS OF SPRAY CARPIER PER ACRE, TARGET WEEDS SHOULD NOT EXCEED 6 INCHES IN HEIGHT.

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 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. Refer to the local state laws, regulations, and guidelines for proper application to avoid off-target movement.

When CYCLONE is applied at less than 10 gallons per acre finished spray volume, a drift control or spray deposition additive **SHOULD** 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 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. Do not expect complete control of perennial cover crops.

ENVIRONMENTAL CONDITIONS

CYCLONE herbicide is active over a wide range of environmental conditions.' Cool woather, (below 55°) 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 ducty 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.

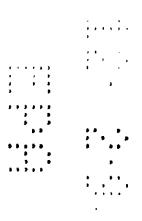
| If The Broadcast Rate Per Acre for CYCLONE is: | Add The Following Amount of CYCLONE To 1 Gallon of Water |
|---|--|
| 1 pt. | 3/8 fl. oz. |
| 2 pts. | 1/2 fl. oz. |
| 21/4 pts. | 3/4 fl. oz. |
| 4 pts. | 1-1/4 fl. oz. |

Always add 1/3 to 1/2 fl. oz. of a nonionic surfactant for each gallon of spray. When spot spraying in this manner, spray to 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 also photosynthetic inhibitors (PSI) will slow the activity of CYCLONE, allowing CYCLONE herbicide to thoroughly distribute itself within the treated 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:

Atrazine herbicide
Aatrex® herbicide
Bicep® herbicide
Bladex® herbicide
Canopy® herbicide
Conquest® herbicide
Extrazine® herbicide
Gemini® herbicide
Griffex® herbicide
Lexone®/Sencor® herbicides
Lorox Plus® herbicide
Preview® herbicide

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

Improved Weed Control With PSIs

Princep® herbicide

Linex®/Lorox® herbicides

Control of difficult weeds listed below and annual grass control will be enhanced by the addition of a PSI herbicide. For best results a second application is needed.

Marestail Prickly lettuce
Pennsylvania Smartweed Lambsquarters
Velvetleaf Momingglory
Malva (Cheeseweed) Cheatgrass
Fall Panicum Knotweed
Giant Ragweed Volunteer wheat

Kochia Perennial Weeds (suppression only)

Cocklebur Barnyardgrass

Tansymustard Broadleaf signalgrass

Sedges

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 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.

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- 3. Add dry formulations (V/P, DF, etc.) to tank.
- 4. Add liquid formulations (SC, EC, L, etc.) to tank.
- 5. Add CYCLONE herbicide to tank.
- 6. Add nonionic surfactant to tank.
- 7. Fill remainder of spray tank.

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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

- DO NOT use around home gardens, schools, recreational parks, or playgrounds.
- 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.
- 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 transplanting should be done with a minimum amount of soil disturbance.
- Weeds and grasses emerging after application of CYCLONE herbicide 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 retail dealer or to an ICI representative within 14 days of application. Weeds emerging after application or regrowth of perennial weeds do not constitute a legitimate 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.

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restri |
|---|-------------------------------------|---|---------------------------------|--|--|
| <u>ALFALFA</u> | | | | | |
| New seedlings (California only) | Broadcast | See Table _ page | Ground: 10 gal Air: 5 gal | 70 | Apply during late winter or early Do not cut or harvest within 70 Do not apply more than once d Caution: Seedling alfalfa stand be necessary. Not recommended for seedling Alfa ta foliage present at time of |
| Preplant or Preemergence (No-till or convention, planting) | Broadcast or Banded Over- Row | 2 - 4 pints (use a minimum of 3 pts. in California) | Ground: 10 gal Air: 5 gal | • | Apply prior to emergence of the Crop plants emerged at time of Seeding should be done with a |
| Dormant season on established plantings (WA, OR, GO, ID, MT, UT, NV, WY, and Del Norte, Siskiyeu, Medes, Shasta; Lasson, Plumas, Siome and Nevada Geuntics in GA) | Broadoast | 2—3 pinte | Ground: 20 gal Air: 5-gal | 42 | For decisection of weads included deglarization of weads and take characteristics. Apply to established stands after dermant but before apring grow De not apply if regreeth after to Alfalfa foliage at time of application on the De not out or harvest within 42 |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|---|-------------|--------------------------|---------------------------------|--|---|
| Dormant season on established plantings (East-of the Reeky Mountains and North of the Southern Berdere of Ce, KS, MO, KY, and VA) Region A See map at end of Alfalfa section. | Broadcast | 2 - 3-1/8 pints | Ground: 10 gal Air: 5 gal | 60 | For control of weeds, including bluegrass, chickweed, Lanbit, downy brome, ryegrass, chestgrass, doglernel, busymustard, london rocket, sowthistle, rescue brome, wild outs, and other winter annuals and suppression of perennial weeds. Do not apply if fall .egrowth following last fall cutting is greater than 6°, or if spring regrowth is more than 2 inches. Apply to well-established stands (at least one year old) after the crop is dormant, but before epring regrowth reaches one inch. Alfalts foliage present at the time of application will be burned which may reduce the yield of the first cutting. Do not cut or harvest within 60 days of application. Do not apply more than once per season. Tank mix with metribuzin (Laxons or Seasor) for improved burndown of weed vegetation and residual weed controlled, rates of application, and precautions. |
| Dormant season Tankmix with Velpar® L. herbicide (East of the Roelry Mountaine and North of the Southern bordere of CO, KS, MO, KY, and VA). Region A. See Imp at end of Alialia section. | Broadcast | 11½ - 2½ pints | Ground: 10 gal Air: 10 gal | 42 | For control of weeds such as chickweed, downy brome and tansymustard. Use the 1½ pt. rate of CYCLONE when weeds and grasses are less than 4" tall. Mix with 1 to 2 qts. of Velpar L per acre. Use the lower rate of Velpar L on loarny sands or sandy loams. Refer to Velpar L label for directions, limitations, cautions and for a list of weeds controlled. Apply once to established alfalfa stands during the dormant season. De not apply to regreath that is more than 2 inches. Do not apply if fall regreath following last fall cutting in greater than 6 inches, or if spring regreath is more than 2 moles. Do not apply to alfalfa during the first season after seeding. Temporary chlorosis may occur on alfalfa regrowth. Stress which may be caused in part by low fertility, disease, insects, winterkill, over cutting, drought or frost may increase the chances of crop injury. DO NOT USE on gravelly or rocky solls, exposed subsoils, hardpan, sand or poorly drained alkaline soils as crop injury, including mortality, may result. Do not cut or harvest within 42 days of application. |

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| Стор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|--|----------------------|---|---|--|--|
| Dormant Season (Arizona and Galifornia) On established plantings: Region B-See map at end of Alfalfa section. On fall-seeded; newly established stands less than 1-year-old: Region A-See map at end of Alfalfa section: On fall-seeded; newly established stands less than 1-year-old: Region B-See map at end of Alfalfa section. | Broadcast Broadcast | 1 - 2 pints 1 - 2 pints 5.5 1-1/4 pints | Ground: 10 gal Air: 5 gal Ground: 10 gal Air: 5 gal Ground: 10 gal Air: 5 gal | 60 | For desiccation of weeds, including London rocket, sowthistle, rescue brome, wild oats, chickweed, nyegrass; bluegrass, cheatgrass, dogfennet, tansymustard, henbit, downy brome, and other winter annuals; and suppression of perennial weeds. Apply during late fall or winter months after the last fall cutting and before first spring cutting. Do not apply if regrowth after grazing or cutting is more than 2 inches. Do not harvest within 60 days of application. er-exceeding residuee may result. CAUTION: Applications to allelfs that is not dormant, or has broken dormancy, may result in stand and/or yield reductions. Replanting may be necessary. Great allelfs follage present at the time of application will be berned. Allelfo follage present at the time of application will be discolared and temperarily stunted. Total hay yield of first cutting thay be reduced in allelfs fields with severe weed infestation. This reduction will usually be directly proportionate to the loss of weed weight. Do not apply more than once per season. Do not apply following sultings during the growing season. Tank mix with metribuzin (Lacons or Sensor) for improved burndown of weed vegetation and residual weed control in dormant established (at least 1-year old) allelfs. Consult the metribuzin product label for a list of weeds controlled, rates of application, and precautions. Do not apply tentmix with metribuzin or; newly established (less than 1-year old) allelfs. Callifornia For desiccation of weeds including bluegrass, ryegrass, shepherdspurse, chickweed, tanseymustard, foxtail, sowthistle and groundsel. Use high rate if ryegrass, shepherdspurse, sowthistle or groundsel is present. |
| | | | | | For declaration of woods, including London rechet, conthictle, recous brome and wild-cate. |

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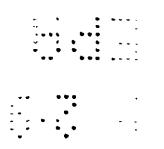
| Crop | Use Pattern | CYCLONE | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|--|-------------|-----------------|---------------------------------|--|---|
| Dermant Season Tankmix with Velpar L (ID, OR, UT, and WA, NV; and the northern California Gounties of Del Norte, Sickiyeu; Medec, Shacte, Lascen, Plumas, Sierra, and Nevada) | Breadeast | 11/2 21/2 pinto | Ground: 20 gal Air: 10 gal | 42 | For central chickwood, downy brome and tanceymustard. Mix with 1 to 2 qto. of Velpar L per acro. Use the lower rate of Velpar L on learny cando or candy learne. Refer to Velpar L label for directions, limitations, cautions and for a list of weeds centrelled. Apply once to established alfalfa stands during the dermant occsen. Do not apply to regrowth that is more than 2 inches. Do not apply to alfalfa during the first occsen after cooking: Tomperary chlorosis may occur on alfalfa regrowth. Do not out or harvest within 42 days of application. Strees which may be caused in part by lew fertility, discass, incosts wintertill, over cutting, drought or freet may increase the chances of erop injury. DO NOT USE on gravelly or reely cells, expected subscile, hardpane cand or poorly drained allatine cells as crop injury, including mortality, may result. |
| Between-cuttings treatmert in established plantings. (Includes first year alfalfa) (Alf states East of the Rocky Mountains) (INSERT MAP BETWEEN THE ALFALFA AND ASPARAGUS TABLES) | Broadcast | 1½ pints | Ground: 10 gal | 30 | Weeds much beyond the seedling stage and the stubble of weeds cut off during harvest will be less affected by this treatment. Apply immediately after alfalfa has been removed for hay or silage. Do not treat more than 5 days after cutting. CAUTION: First year alfalfa stands and yields may be reduced if alfalfa is allowed to regrow more than two (2) inches. Alfalfa foliage present at time of application will be burned. In arid areas where moisture is limited, weed control may be reduced. Do not cut or harvest within 30 days of application. Make 1 to 3 applications, as needed, during the growing season. These sprays may be applied in addition to a dormant application. For first year alfalfa, do not apply more than twice during the first growing season. |

COUNTIES OF DEL NORTE, SISKIYOU, MODOC, SHASTA, LASSEN, PLUMAS, SIERRA, AND NEVADA NORTH DAKOTA ONE GON SOUTH DAKOTA WYOMING CALIFORNIA | MEVACA STAN VILLE COS INCHAN CHO COLORAG MESCUT KENVOR NEW MENCO TERMENSEE CKIDUSOMA TUAS AWAREAS SOMOLE LOUISIAN

| Сгор | Use Pattern | CYCLONE 1º ate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest interval (Days) | Precautions, Restrictions and Comments |
|--|-------------------------------|---|---|--|--|
| ASPARAGUS Preplant or Preemergence | Broadcast or Band Over-Row | 2 - 4 pins (use a nunimum of 3 pts. in California) | Ground: 10 gal Air:* 5 gal *Currently not registered for use in California. | • | Apply to emergence of the crop. Crop plants emerged at time of application will be killed. |
| Preemergence to established plantings at least 2 years old | Broadcast or Band Over-Row | 2 - 4 pints (use a minimum of 3 pts. in California) | Ground: 10 gal | 6 | Apply prior to emergence of crop or after last harvest. Crop plants emerged at time of planting will be killed. May be tank-mixed with Princep herbicide for residual control. Refer to Princep label for specific directions, limitations, cautions and for a list of weeds controlled. |
| BEANS, DRY (Form) Cicer arietum Chick peas Garbonzo beans Lupinus app (including) Sweet lupine White sweet lupine White lupine Grain lupine Phaseolus app (including) Black beans Kidney beans Lime beans Mung beans Navy beans Pinto beans Snap Louins Wax beans Vigna Journs Vigna Journs (including) Asparagus beans Blackeyed peas Cowpeas | Harvest-Aid | 1½ - 2½ pints | Ground: 20 gal Air: 5 gal | 7 | Add spreader (nonionic) at 1 quart per 100 gallons of spray mix. For vining type beans or bush type with lush growth, use a single application of the higher rate. May also be applied as a split application. <u>DO NOT</u> make more than 2 applications or exceed a total of 1.5 pints per acre. The split application may improve vine coverage. Apply when the crop is mature and at least 80% of the pods are yellowing and mostly ripe with no more than 40% (bush type beans) or 30% (vine type beans) of the leaves still green in color. <u>DO NOT</u> apply when weather conditions favor spray drift. A drift control agent may be included to reduce spray drift. DO NOT use on Faba beans. NOT REGISTERED FOR USE ON DRY BEANS IN CALIFORNIA |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest interval (Days) | Precautions, Restrictions and Comments |
|--|----------------|--------------------------|---------------------------------|--|--|
| CASSAVAS, TANIERS & YAMS (Puerto Rico only) Shielded Post directed spray) | Directed Spray | 2½ pints | Ground: 50 gal Air: 5 gal | 90 | Apply when weeds are succulent and growth is 1-6 inches. On cassavas and taniers, do not make more than 3 applications per crop season. On yams do not make more than 2 applications per crop season. Do not allow spray to contact cassavas, tanier or yam plants as injury may result. Do not spray under windy conditions. Do not graze treated areas or feed treated forage to livestock. |
| CLOVER Dermant ceasen en established plantings (WA, OR, CO, ID, MT, UT, NV, WY and the countice of Dol Norte, Sicklyou, Modoe, Shaste, Lascon, Plumas, Siorre, and Novada in CA) | Broadeast | 2 3 pinto | Ground: 20 gal Air: 6 gal | 60 | For deciseation of ryegrace, bluegrace, cheatgrace, deglornel, chickwood, and tensoymustard. Use higher rate if cheatgrace is present. Apply after the last fall cutting when the crop is dermant but before epring growth starts. Do not apply if regrowth following the last fall cutting is more than 2 inches: Clover foliage present at the time of application will be burned. Do not pasture enimals in treated fields before first cutting. Do not apply more than once per season. |



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| Crop | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|---|-------------|--------------------------|---------------------------------|--|---|
| CLOVER AND OTHER LEGUMES¹ Dormant Season On established plantings: Region A- | Broadcast | 2 ± 3-1/8 pints | Ground: 10 gal Air: 5 gal | 60 | For desiccation of weeds, including London rocket, sowthistle, rescue brome, wild outs, chickweed, ryegrass, bluegrass, cheatgrass, doglennel, tansymustard, henbit, downy brome, and other winter annuals, and suppression of perennial weeds. Apply during late fall or winter months after the last fall cutting and before first spring cutting. Do not apply if regrowth after grazing or culting is more than 2 |
| On established plantings: Region B-See map at end of | Broadcast | 1 - 2 pints | Ground: 10 gal Air: 5 gal | 60 | inches. Do not hervest within 60 days of applications. CAUTION: Applications to clover or other legumes that is not dormant, or has broken dormancy, may result in stand and/or yield reductions. Replanting may be recessary. Green clover or other legumes foliage present at the time of application will be hursed. |
| Allalia section. On fall-seeded, newly established stands less than 15 year-old: Region A- | Broadcast | 1-2 phús | Ground: 10 gal Air: 5 gal | 60 | Clover or other legumes foliage present at the time of application will be discolored and temporarily sturted. Total hay yield of first cutting me, be reduced in clover or other legumes fields with severe weed intestation. This reduction will usually be directly proportionate to the loss of weed weight. Do not apply more than once per season. |
| See map at end of Alfalfa section. On falf-seeded; newly established stands less than 1- | Broadcast | 1/2 - 1-1/4 pints | Ground: 10 gal Air: 5 gal | e ö | California For desicuation or weads including bitisgrams, lyegrams, and shepherdapurse, chickweed, tamesymustand, footall, sowiths and groundsel. Use high rate if nyegrams, shapherdapures, sowithatis or groundsel is present. |
| year-old: Region B See map at end of Alfalfa section. | | | | | Other legumes include velvebeen, lespedeza, lupine, seinfoir, trefoil, vetch, crown vetch, and milk vetch. |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|--|------------------------------------|---|---------------------------------|--|--|
| CONSERVATION RESERVE, FEDERAL SET-ASIDE, CONSERVATION COMPLIANCE PROGRAMS (For use in compliance with the Federal Conservation Reserve Program or Federal set-aside programs). | Broadcast | 2 - 4 pints | Ground gal | • | For improved emerged weed control or extended weed control, CYCLONE 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. |
| CORN Preplant or Preemergence Used Alone | Broadcast or Banded Over Row | Weeds 1-3": 1 - 1½ pts Weeds 3-6": 1½ - 2 pts Weeds 6": 2 - 4 pts | Ground: 10 gal Air: 5 gal | | Includes field, fresh, awest, forage, fodder and popcorn. Seedbeds should be formed as far shead 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. |
| Tank Mixture Treatments for No- till/Reduced Till Com | Broadcast or Banded | Weeds 1-3": 1 - 1½ pts Weeds 3-6": 1½ - 2 pts Weeds 6": 2 - 4 pts | Ground: 10 gal Air: 5 gal** | • | Apply as a broadcast spray before, during or after planting, but before crop emergence. For improved burndown or residual control, CYCLONE may be tank mixed with the following herbicides: 2,4-D Ester Bladex Linex* AAtrex/Atrazine Dual® herbicide Lorox Banvel Extrazine Modown® herbicide Bicep Griffex Princep Prowt® herbicide Lasso® herbicide Simazine 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. *Not for use in Californiti. **Refer to respective product labels to determine if these products can be applied by all. |

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| Crop | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|---|--|---|---------------------------------|--|--|
| FIELD CORN POPCORN SWEETCORN SEED CORN *Currently not registered for use in California on sweet corn. | Postemergence Directed Spray Used Alone | 1 - 2 pints | Ground: 10 gai | - | Apply when corn is at least 10 inches tall with nozzles arranged to spray no higher than the lower 3 inches of corn stalks. Corn plants shorter than 10 inches may be injured and not recover (corn height measured from soil surface to top of whorl). For corn greater than 20 inches tall, arrange the nozzles to spray no higher than the lower 1/3 of the corn stalks. To avoid excessive crop phytotoxicity, use a shielded sprayer with skids or wheels on the spray boom to maintain spray height. Corn follage sprayed will be injured, but the crop will recover and develop normally. |
| | Postemergence Directed-Spray Tankmix with Atrazine | 1½ pinto | Ground: 20 gal | • | Do not mix with liquid fortilizor. For improved control of emerged weeds (especially breadless woods). Add 1/2 to 1 lb ai/sere Atrazine in a tank mix. Flefor to the Atrazine label for directions, limitations, eautions and for a list of weeds controlled. Gonetant agitation of tank mix is necessary at all times. Refer to at a presentions, etc., in "used alone" costion immediately & aver. |
| FIELD CORN ONLY (grain, fodder, forage, popcorn) | Posternergence directed spray USDA witchweed eradication program | 2 pints | Ground: 10 gal | <u>-</u> | Initiate sprays in early July and repeat in early August if regrowth of grassy weeds occurs. Follow application instructions in postemergence directed spray section above. For corn greater than 20 inches tall, errange the nozzles to spray no higher than the lower 1/3 of the corn stalks; To avoid excessive crop phytotoxicity, use a shielded sprayer with slide or wheels on the apray boom to maintain spray height. Corn follage spray_d will be injured, but the crop will recover and develog normally. |
| Preplant or - Preemergence - (Used alche) - | Broadcast | 2 - 4 pints (use a minimum of 3 pts. in California) | Ground: 10 gal Air: 5 gal | • | Apply prior to, during or after planting, but before crop emergence. For fallow bed treatment, beds should be preformed to permit maximum weed and grass emergence prior to treatment. Seeding should be done with a minimum of soil disturbance. |
| Preplant (California only) (Used alone) | Broadcast | 8 - 16 fl oz | Ground: 10 gal Air: 5 gal | - | For control of volunteer barley in preformed seedbeds. |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|---|-------------|--------------------------|---------------------------------|--|---|
| Preplant or Fallow Bed (Tankmix with Goal® herbicide) | Broadcast | 1 - 4 pints | Ground or Air: 10 gai | - | Refer to Goal label for specific use directions and restrictions, and weeds controlled. |
| Preplant (Tankmix with Bladex) | Broadcast | 2 - 4 pints | Ground: 10 gal Air: 5 gal | • | Refer to Bladex label for specific use directions and restrictions and weeds controlled. |
| Preplant/ Preemergence (Other Tankmixes) | | | | - | Apply as a broadcast spray before, during or after planting, but before crop emergence. Other Tenkrubres For improved burndown or residual control, CYCLONE may be tank mixed with the following herbicides: Cotoran® herbicide (UF only) Meturon® herbicide (UF only) Cotton-Pro® herbicide Caparol® herbicide MSMA Zorial® herbicide Karmex®/Direx® herbicidee Dual Prowl When tank mixing with Cotoran 4L, add Dawn® dishwaching liquid the tank at 9 ex/100 gallene water prior to adding the Cotoran and CYCLONE: When tank mixing with Cotoran DF or Maturen DF, follow mixing instructions in the "Order of Tank Mixing" section carefully and maintain constant agitation. 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. |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Intervai (Days) | Precautions, Restrictions and Comments |
|--|-------------|--|---------------------------------|--|---|
| | Harvest Aid | | | <u>-</u> | Harvest Aid Use Precautions Do not pasture lactating dairy animals. Do not pasture livestock in treated fields, feed treated foliage, or gin trash, within 15 days after treatment. Remove livestock from treated area 30 days before slaughter. Do not lood 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 cautions listed on the phosphate label. When combined with chlorate defoliants, do not pasture livestock on treated areas or food treated foliage or gin trash. Do not apply harvest within 7 days of hervest application when used with phosphate or chlorate defoliants. |
| Harvest aid for boll opening and defoliation (Tank mix with phosphate and chlorate defoliants) | Broadcast | 8 fl. oz. plus 1 pt. phosphate or 1 gal chlorate | Ground: 10 gal Air: 5 gal | 7 | Development of immeture 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 above. |
| Other Tankmixes for boll opening and defoliation of southern cotton | Broadcast | 4 - 6 oz. | Ground: 10 gal Air: 5 gal | • | To aid in defoliation and opening of meture bolls, CYCLONE may be tank mixed with the following products: DEF® defoliant HARVADE® harvest growth regulant FOLEX® defoliant PREP™ PGR DROPP® defoliant ACCELERATE® defoliant Apply when 50% or more of the bolls are open and the remaining bolls to be harvested are mature. Development of immature bolls will be inhibited. Refer to tank mix product label for rate, directions, limitations and cautions. |

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| Crop | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest interval (Days) | Precautions, Restrictions and Comments |
|---|--------------------------------|---|---------------------------------|--|--|
| Post Defcliation-To aid in opening of mature bolls and to desiccate green weeds (except AZ & CA). | Broadcast . | 1 - 2 pints | Ground: 10 gal Air: 5 gal | 3 | Use higher rate if weed infestation is heavy or dense. Apply when 75% or more of the bolls are open and remaining bolls to be harvested are mature. Development of immature bolls will be inhibited. Follow Harvest Aid Use Precautions listed above. |
| Harvest aid for boll opening and defoliation of Western cotton (AZ & CA). | Broadcast Split Application | First application 1/3 - 1/2 pint plus 1-3 pts. phosphate or 1-2 gal chlorate | Ground: 10 gal Air: 5 gal | 7 | Use higher rate of CYCLONE on rank cotton. Do not use more than ½ pt. of CYCLONE at first application as excessive desiccation may occur. Apply when 60% or more of the boils are open and the remaining bolls to be harvested are mature. Development of immature bolls will be inhibited. Do not use more than 4.0 lbs. of actual sodium chlorate or 2.28 lbs. of actual phosphate type defoliants per acre. Follow Harvest Aid Use Precautions listed above. |
| (Tankmix with phosphate or chlorate defoliants) | | Second application 1/2 - 1 pt. alone or tank mixed with 11/2-2 gal chlorate, or 11/2-2 pts. phosphate | | 3 (Alone) or 7 (Tankmix) | In desert cotton areas or on rank vigorous cotton, use the 21 fl oz rate of CYCLONE. Apply when 75% or more of the boils are open and remaining bolls to be harvested are mature. Development of immature bolls will be inhibited. Follow Harvest Aid Use Precautions listed above. |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|--|-------------|--------------------------|---------------------------------|--|--|
| Harvest aid for defoliation and boll opening of stripper or spindle harvested cotton | Broadcast | 3 <u>- 11 11 oz</u> | Ground: 10 gal Air: 5 gal | 3 | IT IS ADVISABLE; BECAUSE OF EXTREMES IN ENVIRONMENTAL AND PLANT CONDITIONS, TO APPLY THE RANGE OF RATES ON A SMALL BLOCK OF COTTON TO DETERMINE THE RATE THAT BEST FITS YOUR NEEDS; Apply when 75% of the boils are open and the remaining boils to be harvested are mature. DEVELOPMENT OF IMMATURE BOLLS WILL BE INHIBITED. SLICE BOLLS AND INSPECT THE SEED FOR MATURITY; CYCLONE may be applied alone or tank maked with the following cotton harvest sids: DEF® defoliant HARVADE® harvest growth regulant FOLEXS detollant PREP™ PGR DROPPS detollant ACCELERATE® defoliant. May be applied as a spill application. Do not make more than 2 applications or asceed a total of 2 par/Acrs. To avoid leaf sticking, apply CYCLONE as a desiccent approximately 3-7 days after defoliation or a conditioning application and 7-14 days before hervest. Cooler temperatures may occur a border wealing period between application of CYCLONE as a desiccent addition/condition; Lower rates in the range may be becausely south of F10 in Texas where temperatures are typically higher during defoliation. Follow Harvest Ald Use Precautions leted above. |

| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Nays) | Precautions, Restrictions and Comments |
|--|--|---|---------------------------------|--|--|
| Harvest aid desiccation of stripper cotton or spindle harvested cotton late season | Broadcast | 1 - 2 pints | Ground: 10 gal Air: 5 gal | 3 | IT IS ADVISABLE, BECAUSE OF EXTREMES IN ENVIRONMENTAL AND PLANT CONDITIONS, TO APPLY THE RANGE OF RATES ON A SMALL BLOCK TO DETERMINE THE RATE THAT BEST FITS YOUR NEEDS. Use to desiccate regrowth occurring after defoliation or desiccation. May be applied as a split application. Do not make :nore than 2 applications or exceed a total of 2 pts/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. Slice bolls and inspect the seed for maturity. To avoid leaf sticking, apply CYCLONE as a desiccant approximately 3-7 days after defoliation or a conditioning application and 7-14 days before harvest. Lower rates in the range may be necessary south of 1-10 in Texas where temperatures are typically higher during defoliation. Follow Harvest Aid Use Precautions listed allove. |
| Desiccation of Regrowth (except California) | Broadcast | 0,5 - 2 pints | Ground: 10 gal Air: 5 gal | 3 | Use to desiccate regrowth occurring after defoliation or desiccation. Regrowth is difficult to control, therefore, thorough coverage with the full recommended rate is necessary; Control is dependent upon growing conditions and desiccation of small new growth may not always be complete. Use higher rate if regrowth is excessive. Follow Harvest Aid Use Precautions listed above. |
| EASTER LILIES (Field grown) | Presinergutice | 2 - 4 pints (use a minimum of 3 pts. in California) | Ground: 10 gal | • | Do not apply more than twice per season. |
| GRASSES (For Seed) (For Use in Seedbec Preparation) | Preplant, At Flanting, of Freemergence | 2 = 4 pints | Ground: 10 gal | <u>-</u> | Prepare the seedbeds and allow weeds to germinate. Apply CYCLONE when weeds are at the 3 to 5 leaf stage. Repeat applications as necessary prior to er en the day of ecoding grass emergence. Do not graze treated areas or use the seed or straw from treated areas for animal feed or bedding. |

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| Crop | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|------------------------------------|--------------------------------|---|---------------------------------|--|---|
| GUAR (Preharvest desiccation | Preharvest | 2 pints | Ground: 10 gal | 4 | Apply after the pods are fully mature. Do not graze treated areas or use the treated forage for animal feed. |
| MINT (Peppermint, Spearmint) | Dormant Season | 1½ - 3 pints | Ground: 10 gal Air: 5 gal | - | For suppression of weeds such as Italian ryegrass, prickly lettuce, groundsel, chickweed, downy brome and bluegrass. Apply when crop is dormant before spring growth begins and when weeds are less than 6 inches tall. Do not apply more than 2.4 pts per acre per dormant season. May be tank mixed with Sinbar® herbicide (terbacil) weed killer for improved contact activity and residual control of Italian ryegrass, prickly lettuce and groundsel. Apply this tank mixture no more than once per season. Refer to the Sinbar label for rates, directions, and cautions and for a list of weeds controlled. |
| NONCROP_USES | Broadcast or Spot Treatment | 2 - 4 pints (use a minimum of 3 pts. in California) | Ground: 10 gal | • | 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. Avoid contact with the foliage of ornamentals or desired plants. Repeat as necessary. |
| ONIONS (seeded) AND GARLIC | Preplant/ Preemergence | 2 - 4 pints (use a minimum of 3 pts. in California) | Ground: 10 gal | 60 200 (CA only) | Use the higher rate for heavy weed infestations or wild oat control. Apply only one application per season at the 5 pt per acre dosage. Allow maximum weed and grass emergence prior to treatment but apply prior to crop emergence. Apply a maximum of 5 pt per acre per season. |

| Crop | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|--|---|--------------------------|---------------------------------|---|---|
| PASTURE RESEEDING For suppression of existing sod and undesirable emerged broadleaf weeds and grasses prior to, or at time of planting ef grasses or forage legumes er winter annuals. | Broadcast er Bandod Over- Rew | 1 - 2 pints | Ground: 1¢ gal Air: 5 gal | See specific geographic recommend- ation | West of Cascade and Sierra Nevada Mountains: Apply in October through December after first fall rains and after weeds have emerged and sod has started new growth. For best seeding results, apply on moderately to heavily grazed areas. Do not use in areas with heavy sod and weed growth. East of Rocky Mountains Use the 2-1/2 2 pint rate on vigorous or coarse sod species such as bromegrass. Soc epositis directions for use in the South and Southeast for suppression of bormudograse or bahingrase code. Apply prior to, or at time of seeding grasses or forage legumes. euch as alfalfa, elever and birdefeet trofeil. Apply only to grazed or mowed pastures not more than 3-2 inches in height at time of treatment. |
| | | 1 pint | Ground: 10 gel Air: 5 gel | | South and Southeast—Bermudagrass or Bahiagrass Sods —Lete Summor or Early Fall Application for Sad Suppression when Sooding Winter Annuels: Apply in late summer or early fall to sod not exceeding 3.2 inches in height. For control of emerged Little Barley, apply in February or March before the midboot stage of Little Barley. |
| | • | 1 pint | Ground: 10 gal Air: 5 gal | • • | Bermudagrass Pestures - Dormant Season Suppression of Emerged Weeds Apply Juring March For control of little barley, apply before the mid-boot stage. Do not mow for hay until 40 days after treatment. |

| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Prehurvest Interval (Days) | Precautions, Restrictions and Comments |
|--|--|---|---------------------------------|--|--|
| For Control of Endophyte-Fungus-Infected Fescue Forage Legume/Grass Mixture and Other Grass Pastures | Broadcast (Split Application) | 1½ - 2½ pints followed by 1½ - 2½ pints | Ground: 10 yal | - | Use split applications of 10 to 21 days spart if necessary. Do not exceed 5 pints per acre total in preparation for reseeding. For spring plantings, the initial application of 1½ to 2½ pts may be made the previous fall. Apply when fescue is actively growing and no more than 4 inches high. To reduce the infestation of encophyte-infested grass, do not allow fescue to go to seed starting with the preceding year's crop. |
| PEANUTS* *Not registered for use in California. | Broadcast At Ground Creck Posternargence | 11 oz Second application 11 oz | Ground: 10 gal | - | To control or suppress small (1-6") emerged annual grass and broadleaf weeds in peanuts at ground crack. A second application of 11 fl oz/acre may be made up to 28 days after ground crack. For at ground orack use, CYCLONE can be tank mixed with Pursuit of herbicide or Dual for residual weed control. Consult the Pursuit or Dual label to a fact of weeds controlled, rates of application, and precautions. Make no more than two applications per series and do not apply a total of more than 22 fl oz of product per series per season. Crop foliage sprayed will be injured in the form of broazing and crinkling but the crop will recover and develop normally. Do not apply by air. |
| (Tankmix with Basagran® herbicide) | Broadcast At Ground Crack Posternargence | 11 oz Second application 11 oz | Ground: 10 gal | • | For improved control of weeds such as cocklebur, bristly starbur, sma tweed and prickly sida, tank mix CYCLONE with Basagran at pint/acre. This tankmix dist be applied at the ground crack stage of peanuts. A second application may be made up to 28 days after application. Make no more than two applications per accepts and do not apply a total of more than 22 ff oz of product per accepts and do not apply a total of more than 22 ff oz of product per accepts and crinkling but the crop will recover and develop normally. Refer to the Basagran label for specific use directions, limitations, cautions and for a list of weeds controlled. Do not apply this tankmix if peanuts show injury (leaf phytotoxicity and/or plant stunting) produced by any other herbicide treatment as injury may be enhanced and/or prolonged. Do not apply this tankmix during prolonged periods of crought or unseasonably cold weather as unsatisfactory weed control may result. Do not apply by air. |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|--|----------------------------|--------------------------------------|---------------------------------|--|--|
| (Tankmix with Butyrac® herbidie ∋ or Butorone™ herbicide 200) | Broadcast Postemergence | 11 oz Second Application 11 oz | Ground: 10 gal | • | For improved control of weeds such as cocklebur, sicklepod and morningglory tank mix CYCLONE with 8-16 oz (0.125-0.25 lbs) per acre of Butyrac or Butoxone 200. Make no more than two applications per crop and do not apply a total of more than 22 fl oz of product per crop. Crop foliage sprayed will be injured in the form of bronzing and crinkling but the crop will recover and develop normally. Refer to the complete Butyrac or Butoxone 200 label for specific use directions, limitations, cautions and for a list of weeds controlled. Do not apply by air. |
| PIGEON PEAS (Puerto Rico oniy) | Uirected Spray | 2 pints | Ground: 10 gal | 60 | Avoid contact with pidgeon pee foliage. Do not make more than 1 application per season. Do not graze treated areas or feed treated forage to livestock. Cannery waste can be fed to livestock. |
| PINEAPPLE | Directed Spray | 2 - 4 pints | Ground: 10 gal | 20 | Retreatment may be necessary on more mature weeds. Do not exceed 3 applications per session. |
| POTATO Preplant or Preemergence | Broadcast | 1 - 2 pints | Ground: 10 gal Air: 5 gal | - | Apply up to ground cracking, before potatoes have emerged. |
| Preplant (California, Washington, Oregon, Idaho only) (Used alone) | Broadcast | 8 - 16 fl &z | Ground: 10 gal Air: 5 gal | • | For control of volunteer barley in preformed seedbeds. |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|---|------------------------------------|---|---------------------------------|--|---|
| Preharvest vine killing and weed desiccation (Except Northern Alabama; Counties of Marshal, DeKalb, Jackson and Cherokee) | Broadcast | 1 - 2 pints | Ground: 20 gal | 3 | Begin application when leaves begin to turn yellow. Immature or drought-stressed potato foliage are tolerant to CYCLONE. Desiccation will not be complete under these conditions. Use 2½ pts/acre rate where quick vine kill is desired. Use two applications of 1½ pts/acre when vine growth is dense. Split applications must be applied a minimum of five days apart. Do not pasture livestock in treated potato fields. Do not use on muck or peat soils to avoid injury to subsequent crops. DO NOT use to desiccate potato vines when potatoes are to be stored or used for seed as this use may result in tuber decomposition or failure of seed pieces to german and grow normally. Do not exceed 5 pts/acre per season. |
| RESIN SOAKING (Pines) | See Page | | <u> </u> | | |
| SAFFLOWER Preplant or Preemergence | Broadcast or Banded Over Row | 2 - 4 pints (use a minimum of 3 pts. in California) | Ground: 10 gal Air: 5 gal | - | Apply before, during, or after planting but before crop emergence. |
| Preplant (California only) | Broadcast | 8 - 16 fl oz | Ground: 10 gal Air: 5 gal | • | For control of volunteer barley in preformed seedbeds. |
| SMALL FRUITS Blackberries Boysenberries Raspberries Blueberries | Postemergence Directed Spray | 2 - 4 pints | Ground: 50 gal | - | Apply before emergence of new canes or shoots as injury to those canes or shoots can occur. Apply as a course spray to avoid crop injury from fine spray mist. |
| Strawberries : | Postemergence Directed Spray | 2 pints | Ground: 20 gal | 21 | Apply by directing spray between the rows and using shields to prevent spray contact with crop plants. Do not allow spray to contact strawberry plants as injury or excessive residues may result. Do not apply more than 3 times per searon. Do not graze livestock in treated areas. |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|---|------------------------------------|---|---------------------------------|--|--|
| SMALL GRAINS (Barley, wheat) Preplant or Preemergence | Broadcast or Banded Over Row | Weeds 1-3": 1 - 1½ pts Weeds 3-6": 1½ - 2 pts Weeds 6": 2 - 4 pts | Ground: 10 gal Air: 5 gal | • | - Do not graze livestock in treated areas or harvest for forage or hay. |
| CHEMICAL FALLOW General information | | | | | Use higher spray volumes for better coverage as density of stubble, crop residue or weeds increase. To control volunteer wheel or downy bittine, tall applied treatments generally work best with CYCLONE. If possible, tank mix with Atrazine or Bladex for maximum buridown and residual control. Apply from immediately after hervest up to emergence of the newly seeded grop as a broadcast or band treatment. Cut wheel as high as possible to avoid suiting weeds too short, and allow the weeds to grow at least 2-3 inches after harvest before applying CYCLONE. The addition of Banvel or 2,4-D may aid in the suppression of emerged perennial broadleaf weeds and large annual broadleaf weeds. Refer to 2,4-D, Banvel or residual herbicide label(s) for directions, limitations, cautions and for a listing of weeds controlled. For extended weed control during the fallow period, tankmixes with registered residual herbicide combinations other than those listed on this label are permissible. Weeds taller than 6 inches may not be controlled. Weeds and grasses emerging after application will not be controlled. Crop plants emerged at the time of application will be killed. By ground application, apply 10-60 gations of spray mix per acre. As density of stubble, crop residue or weeds increases, spray gallonage should be increased within the recommended range for complete coverage. |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|--|-------------|---|---------------------------------|--|--|
| Continuous Wheat 2-3 Month Recropping Interval | Broadcast | Weeds 1-3": 1-1.5 pts Weeds 3-6": 1.5-2 pts Weeds 6": 2-4 pts | Ground: 10 gal Air: 5 gal | • | Make application at least 45 days prior to seeding. Use at least 2 pints of CYCLONE per acre with a PSI (see page) for volunteer wheat or downy brome control in the spring. Tank mix with Bladex for enhanced burndown, however, low rates (less than 2 be active) of Bladex may not provide complete control of volunteer wheat and downy brome. Refer to the Bladex label for specific use rates for your soil tope, use directions, cautions and a list of weeds controlled. Refer to the Chemical Fallow General Information section. |
| Wheat-Fallow- Wheat Rotations Fall applied after harvest (seeded 12-14 months later) | Broadcast | Weeds 1-3": 1-1.5 pts Weeds 3-6": 1.5-2 pts Weeds 6": 2-4 pts | Ground: 20 gal Air: 5 gal | . | Spray before weeds produce seed. Volunteer wheat and downy brome control are better with late August or early September applications Terk mix with Atrazine and/or Blader, Merkemans herbick's, or Convends herbicke for anhanced burndown and residual weed control. Tank mix with Sensor 75DF for burndown and residual control of grass and broadlest weeds. Refer to the product labels for splicific use rates for your soil type, use directions, cautions and a fiet of weads portrolled. Refer to the Chemical Fallow General information section. |
| Spring applied (seeded 3-5 months later) | | | | | Application should be made Mach 125 April 15, prior to apring rains to conserve moleture. Voluntaer wheel is easily to control after the boot stage, but soil moleture lose will be greater. Use at least 2 pints of CYCLONE par sons with a PSI (see page) for volunteer wheat or downly brome control in the spring. Tank mix with Blades for enhanced burndown, however, low rates (less than 2 be active) of Blades may not provide complete control of volunteer wheat and downly brome. Refer to the Blades label for specific use raise for your soil type, use directions, cautions and a first of weeds controlled. Refer to the Chemical Fallow General information section. Tank mix with Sencer 75DF for burndown and residual control of grass and broadles! weeds. Refer to the Sencer 75DF label for use raise for your soil type, use directions, cautions, and weeds controlled. |

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| Crop | Use Patterr, | CYCLONE Rate Per Acre | MinImum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|---|--------------|---|---------------------------------|--|--|
| Wheat-Annual Crop*-Wheat Rotations (Fall applied in wheat stubble) | Broadcast | Weeds 1-3": 1-1.5 pts Weeds 3-6": 1.5-2 pts Weeds 6": 2-4 pts | Ground: 20 gal Air: 5 gal | • | Tank mix with Atrazine and/or Bladex or Marksman for enhanced burndown and residual weed control. Refer to the labels for specific use rates for your soil type, use directions, cautions, and a list of weeds controlled. Spray after wheat harvest and before weeds produce seed. If grasses such as foxtails or bernyardgrass recover, respray before they develop seed. Volunteer wheat and downy brome are easier to control with late August to November applications. Refer to the Chemical Fallow General Information section. |
| Spring applied prior to planting an annual crop*) * Approved Annual Crops are grain sorghum, corn, wheat, or proso millet. | | | | | Tank mix with Atrazine and/or Blades for enhanced burndown and residual weed control. Refer to the labels for specific use rates for your soil type, use directions, cautions, and a fat of weeds controlled. Use at least 2 pints of CYCLONE par sore with a PSI (see page) for volunteer wheat or downy brome control in the spring. Tank mix with Blades for enhanced burndown, however, low rates (less than 2 be active) of Blades may not provide complete control of volunteer wheat and downy broms. Follow the Atrazine recommendations partitions to soil pH and recropping intervals. Refer to the Chemical Fallow General Information section. |

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| Crop | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|--------------------------------------|--|---|---------------------------------|--|--|
| SORGHUM (Grain) | Preplant/ Preemergence Broadcast or Band Application | Weeds 1-3": 1 - 1½ pts Weeds 3-6": 1½ - 2 pts Weeds 6": 2 - 4 pts | Ground: 10 gal Air: 5 gal | <u>-</u> | 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. |
| (Tankmixes with Atrazine & 2,4-D) | Preplant or Preemergence | | | - | CYCLONE may be tank mixed with Atrazine for improved preamergence 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 tankmix herbicide label(s) for rates, directions, limitations, and cautions and a list of weeds controlled. |
| | Posternergence Directed Applications | 1 - 2 pints | Ground: 10 gal | - | 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 the lower 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. Do not harvest forage, fodder, allege, or hay before the soft dot ghistage of the grain. Do not exceed 2 posternargance directed applications per aussion or exceed a total of 8 pints CYCLONE per season. |

| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|---|---------------------------|--|---------------------------------|--|--|
| SOYBEANS | Preplant/ Preemergence | Weeds 1-3": 1 - 1½ pts Weeds 3-6": 1½ - 2 pts Weeds 6": 2 - 4 pts | Ground: 10 gal Air: 5 gal | • | Apply as a broadcast spray before, during or after planting, but before crop emergence. For improved burndown or residual control, CYCLONE may be tank mixed with the following herbicides: 2,4-DB Linex Scepter® herbicide Canopy Lorox Sencor Dual Lorox Plus Surflan® herbicide Gernini Modown Turbo® herbicide Goal Preview Lasso Prowl Lexone Puisuit The rate of CYCLONE to be used in these tank mixtures is dependent on weed height and growing conditions. Use the highest recommended rate of CYCLONE undor dry conditions or where the weed canopy is dense. Refer to the specific tank-mix herbicide label(s) for rates, directions, limitations, and cautions and for a list of weeds controlled. The lower rate may be used when weeds are less than 4" tall and a selective post-emergence spray or cultivation will be made within 3 weeks after planting. Seeding should be done with a minimum amount of soil disturbance. |
| Tankmix w/2,4-D ester* *Not registered for tankmix use with this product in California. | Preplant/ Preemergence | Weeds 1-3°: 1½ - 2 pts Weeds 3-6": 2 - 2½ pts Weeds 6": 2½ - 5 pts | Ground: 10 gal Air: 5 gal | • | Apply 2,4-D seter at 0.35-0.475 the si/A at least 7 days prior to planting. Apply 2,4-D seter at 0.475-0.95 the si/A at least 30 days prior to planting. Do not apply 2,4-D seter prior to planting soybeans if you are not prepared to accept the results of soybean injury including possible lose of stand and yield. Apply at least 30 days prior to planting. Do not use the amine formulation as CYCLONE activity may be reduced. May be tank mixed with recidual herbicides listed above. Refer to the 2,4-D ester label for a flet of rates, directions, limitations and cautions and for a flet of weeds controlled. |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|----------------|---------------|--------------------------|---------------------------------|--|--|
| Directed Spray | Postemergence | 1/3 to 2/3 pts | Ground: 10 gal | | For control of seedling johnsongrass, crapgrass, goosegrass, brachiaria, Texas millet and pigweed less than 2 inches tall, use the lower rate of CYCLONE. For control of 2-4 inch red rice, Brachiaria, barryard grass, crapgrass, goosegrass, seedling johnsongrass, giant foxtall, and fall panicum, use 8 fl oz of CYCLONE. For centrol of the above grasses up to 4 inches tall or pigweed up to 3 inches tall, use the higher rate of GRAMOXONE EXTRA. For control of 2-3 inch sicidepod, pursiane, pigweed, cutleaf ground cherry, and common regweed, use 8 fl oz of CYCLONE. For control of common cocidebur, morningglory, red rice, 2-4 inch grass, and 2-3 inch pigweed, apply CYCLONE at 8 fl oz per acre plus 0.2 lb active ingredient per acre of a 2,4-DB formulation. Refer to the 2,4-DB label for directions, limitations, and cautions. Do not treat if soybeans are less than 8 inches tall. Use precision directed spray application equipment adjusted so that no more than the lower 3 inches of the soybean plant is contacted by the application apray. Do not exceed 30 psi nozzle pressure or spray under conditions which may cause excessive drift. Some crop injury will occur. The degree of injury is related to the precision of application and spraying conditions. Do not graze treated areas or feed treated forage to livestock. If needed make a second and final application 7-14 days later. |
| | Harvest Aid | 1/2 - 1 pint | Ground: 20 gal Air: 5 gal | • | Indeterminent varieties: Apply when at least 65% of the seed pods have reached a mature brown color or when seed moisture is 30%. |
| | | | | | or less. Determinant varieties: Apply when plants are mature, i.e, beans are fully developed, 1/2 of leaves have dropped, and remaining leaves are yellowing. Immature soybeans will be injured. Mature cocklebur, especially drought-stressed plants, are tolerant to CYCLONE and desiccation will not be complete. Always use the |
| | | | | | higher rate for cocklebur. Do not pasture livestock in treated area within 15 days after treatment. Remove livestock from treated areas at least 30 days prior to slaughter. |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|--|------------------------------------|---|---------------------------------|--|---|
| SUGARCANE | Postemergence Directed Spray | | | | General Comments Apply as a shielded or directed spray to avoid contact with cane foliuge to prevent leaf burn and yield reduction. Make a second and final application, if necessary, when new weed growth is 2-6 inches high. Do not graze treated areas or feed treated forage to livestock. |
| Florida | | 2 pints | Ground: 50 gal | • | For optimum results, apply in early spring (March-April) when weeds are small. Do not apply after June 1 as cane growth may be stunted and yields reduced. |
| Hawaii | | 2 pints | Ground: 20 gal | • | Do not apply after cane rows have closed in. |
| Louisiana | | 1 - 2 pints | Ground: 20 gal | 30 | For tiller control, apply when tillers are less than 18 inches high. Use the higher rate for heavier weed infestations or tiller growth. |
| Florida & Texas | Harvest Aid | 8 - 16 fl oz | Air: 5 gal | • | Use higher rate under cool, cloudy weather conditions. Apply 3-14 days before burning and harvest. |
| SUNFLOWER Preplant or Preemergence | Broadcast or Banded Over Row | 2 - 4 pints (use a minimum of 3 pts. in California) | Ground: 10 gal Air: 5 gal | • | Apply before, during, or after planting but before crop emergence. |
| Preharvest Desiccation (Oil seed sunflower varieties only) | Broadcast | 1 - 2 pts | Ground: 10 gal Air: 5 gal | 7 | Apply when sunflower seeds reach physiological meturity (when seed moisture is 35% or lower). For many varieties, this corresponds to the time when the back of the heads are yellow and the bracts are turning brown. Do not graze treated areas or feed treated forage to livestock. Use the higher rate when crop stands or weed infestations are heavy. |
| TARO, DRYLAND (Hawaii Only). | Postemergence Directed Spray | 1½ - 2½ pts | Ground: 10 gal | 180 | Do not allow spray to contact the taro plants as injury may result. Make the first application when weed growth is 1 to 4 inches high. Weeds emerging after the application will not be controlled. A single re-treatment may be made; however, do not harvest dryland taro within 6 months of the last application. |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|--|----------------|---|---------------------------------|---|--|
| TREES AND VINES Orchards, Vineyards, Windbreak, Shade & Ornamental Trees Acerola Almonds Apples Apricots Avocados Bananas Cherries Citrus Coffee Figs Filberts Grapes Kiwi Fruit Macadamia Nuts Nectarines Olives Papayas Peaches Pears Pecans Pistachios Plume Prunes Walnuts Other shade and ornamental trees such as arborvitae, ash, elm, fir, Jak, pine, etc. | Directed Spray | 2 - 4 pints (use a minimum of 3 pts. in California) | Ground: 10 gal | Kiwi Fruit 14 Pistachios 7 Plums 28 Olives 13 Figs 13 | Do not allow spray to contact green stems (except suckers), fruit or foliage. Use a shield or wrap plant when spraying around young trees or vines. Do not graze treated areas. Do not leed cover crops grown in treated areas to livestock. Do not apply when figs, nuts or olives to be harvested are on the ground. For grapes - treat when sucker growth is no more than 8° long. For pistachios - do not treat more than 3 times per year. For pistachios - do not exceed two applications after shells split. For mature woody weeds, perennial weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. For plums - do not harvest within 28 days after application and do not exceed 3 applications per season; For olives - do not harvest within 13 days after application and do not exceed 4 applications per season; For olives - do not harvest within 13 days after application and do not exceed 4 applications per season; |

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| Crop | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|--------------------------------|---|--|---------------------------------|--|---|
| Tankmixes | Directed Spray | 2½ - 5 pts (use a minimum of 3 pts. in California) | Ground: 10 gal | Refer to other TM labels | CYCLONE may be tank mixed with registered residual herbicides listed below for combined emerged and residual weed control. Always refer to other herbicide label(s) for respective precautions, limitations, restriction, dates and directions for use and weeds controlled. CYCLONE may be tank mixed with the following herbicides: Goal Devrinol® herbicide Princep Karmex Sinbar Krovar® and it herbicides |
| Guava | Directed Spray | 4 pints | Ground: 10 gal | • | Do not allow spray to contact green sterns, fruit or foliage. Do not graze treated areas. Do not feed cover crops grown in treated areas to livestock. For mature woody weeds, late-germinating weeds and grasses, and perennials, retreatment or spot spraying may be necessary. |
| Hops (ID, OR, & WA only) | Directed Spray and/or Suckering and Stripping | 2 pints | Ground: 10 gal | 14 | De not apply to hep vines loss than 6 ft. tell. Retreatment or spot treatment may be necessary. Do not apply more than 3 times per season. Do not allow spray to contact green stems, foliage, flowers, or cones as injury may result. Do not allow animals to graze in treated hopyards. Hop vine refuse and silage may be fed to livestock. For suckering and stripping, spray only the basal 2 ft. of the vines. Repeat as necessary. Experience with varieties other than CASCADE, YAKIMA CLUSTER, and BULLION is limited. If using CYCLONE on other varieties than these, test the use pattern on a small number of vines of each variety to determine sensitivity to injury. Do not use on unlisted varieties if unacceptable crop injury occurs. Chemical Pruning: To burn back adming vines and obtain even emergence of subsequent vines, apray when vines are less than 3 ft tall. APPLICATION TO HOP VINES LESS THAN 8 FT TALL MAY CAUSE UNACCEPTABLE INJURY. |

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| Crop | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precau* is, Restrictions and Comments |
|----------------------------------|--------------------------|--------------------------|---------------------------------|--|--|
| Passion Fruit | Directed Spray | 4 pints | Ground: 10 gal | • | Use a shield or wrap vine if bark is still green at application time. If application is to be made during harvest season, pick all fruit off the ground prior to application. Do not allow animals to graze on treated areas. Retreatment or spot treatment may be necessary. |
| TYFON (New Hampshire only) | Preplant Preemergence | 2½ - 5 pints | Ground: 10 gal | - | Seeding should be done with a minimum of soil disturbance. Weeds and grasses emerging after treatment will not be controlled. Crop plants emerged at time of application will be injured. |



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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|--|--------------------------|---|---------------------------------|--|---|
| VEGETABLES (Seeded or Transplanted) Beans (Lima, Snap) Broccoli Cabbage Cantaloupe Carrots Cauliflower Chinese Cabbage Collards Cucumber Eggplant Lettuce Musk Melons Peas Peppers Pumpkin Squash Sugar Beets Sweet Corn Turnips | Preplant Preemergence | 2 - 4 pints (use a minimum of 3 pts. in California) | Ground: 10 gal Air: 5 gal | • | Seedbeds or plantbeds should be formed as far ahead of treatment as possible to permit maximum weed emergence. Applications can be made as a banded or broadcast treatment before, during or after planting but prior to the crop emergence. Use the higher rate for heavier weed infestations. Seeding or transplanting should be done with a minimum amount of soil disturbance. Crop plants emerged at time of application will be killed. Can be used in fallow bed/stale seedbed for weed control alone or tank mixed with Goal. Consult the Goal label for a list of weeds controlled, rates of application and precautions. |
| Tomatoes Watermelons Lettuee Muck Molene Peppere Sugar Boote Tenistooe Watermelone | Preplent | | Air: 5-gal | | - , |

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| Сгор | Use Pattern | CYCLONE Rate Per Acre | Minimum Total Spray Per Acre | Grazing or Preharvest Interval (Days) | Precautions, Restrictions and Comments |
|---|----------------|---|---------------------------------|--|--|
| VEGETABLES Tomatoes Peppers (Middle Atlantic, Southeast, South Central Regions, and Southwest to the Western Border of Texas) | Directed Spray | 2 pints | Ground: 10 gal | • | For control or suppression of emerged weeds between rows after crop establishment. Use precision directed spray application equipment adjusted to prevent spray contact with crop plants. Do not exceed 30 psi nozzle pressure or spray under conditions which may cause excessive drift. Apply when weeds are succulent and weed growth is less than 6 inches. Do not apply more than 3 applications per season. Do not allow animals to graze in treated areas. Do not harvest iomatoes within 30 days after application. |
| VEGETABLES Sweet Corn | Directed Spray | 1½ pints | Ground: 10 gal | • | Apply when corn is at least 10 inches tall. Arrange nozzles to spray no higher than the lower 3 inches of the corn plant. Corn plants shorter than 10 inches may be injured and not recover (corn height measured from soil surface to top of whorl). |
| VEGETABLES (California, Washington; Oregon, idaho only) Lettuce Melon Sugar Beets Tomatoes | Broadcast | 8 - 16 fl oz | Ground: 10 gal Air: 5 gal | • | For control of volunteer barley in preformed seedbeds. |
| VEGETABLES Rhubarb | Dolman! | 2 - 4 pints (use a minimum of 3 pts. in California) | Ground: 10 gal | • | Apply during dormant season before buds in crown begin to grow. Do not make more than 2 applications per season. |

| | W.W | |
|---|--------------|-------------|
| Spikeweed (4 in. tall or less) | 1/2 pt. | 1 - 2 pts. |
| Volunteer Small Grain (8 in. tall or less) | 1/2 to 1 pt. | 2 pts |
| Fiddleneck (6 in. tall or less) | 1/2 to 1 pt. | 2 pts. |
| Shepherdspurse | 1 - 2 pts. | • |
| Annual Bluegrass | - | 1 to 2 pts. |
| Chickweed | • | 1 to 2 pts. |
| Red Maids (6 in. tall or less) | • | 1 to 2 pts. |

Do not use the ½ pt rate unless the alfalfa has at least 3 trifoliate leaves; the 1 pt rate unless the alfalfa has 6 trifoliate leaves; or rates over 1 pt unless there are 9 trifoliate leaves.

RESIN SOAKING

Pines (Loblolly, Shortleaf, Longleaf, Slash, Virginia, Pond, Pitch, and Spruce Pines).

Tree Selection - Select trees to be treated from stands on sites not subject to periods of extreme drought stress as the desiccating effect of CYCLONE herbicide to pines is accentuated during such periods, causing a reduction in the amount of oleoresin deposited in the xylem. Select trees to be treated from vigorous, non-stagnated stands, either natural or planted. In stagnated stands or commercial timber stands, plan treating with CYCLONE herbicide not sooner than three years after a commercial thinning.

Application Directions - Apply CYCLONE herbicide diluted in water (0.2% to 5% cation, wt./wt. basis, depending on the type of treatment method) to a suitable wound in the treatment to bring the treatment into contact with the xylem (sapwood). One of the following methods may be used:

Bark Streaks or Cuts: This type of wound is made using a standard or rotary bark hack or a chainsaw chipping tool employed in naval stores work to remove a single one-irch wide streak of bark about 1 to 2 feet from ground level. The total length should not exceed 1/3 of the tree circumference. Multiple streaks or cuts can result in serious girdling of the trink; and premature death of the tree. A coarse spray (about 2 to 6 ml.) of CYCLONE herbicido solution (1% to 5% cation, wt./wt. basis) should be applied to runoff to the exposed xylem, using a plastic acid bottle or a low-pressure sprayer. Wear rubber gloves when using the acic cottle. The amount of spray required per cut depends on tree circumference and the length of cut or streak (1/3 of circumference). For a 9-inch diameter tree, 3 ml. of spray will cover the 1-inch



wide streak. Using 3 ml. of a 2% or 4% CYCLONE herbicide solution will result in application of 60 or 120 mg. CYCLONE herbicide per streak.

Tree Injection: Pressure injections of 1% to 4% CYCLONE herbicide solution (cation, wt./wt. basis) should be applied beneath the bark and just beneath the cambium layer. Injections should be made 1 to 2 inches apart around 1/5 of the tree circumference or no closer than 3 inches apart all around the tree. From 0.2 ml to 0.4 ml of CYCLONE herbicide solution is applied per injection. Using 2% to 4% CYCLONE herbicide solution, this results in 36 to 144 mg CYCLONE herbicide applied per 9-inch diameter tree, for holes spaced 1 inch apart around 1/3 of the tree or 3 inches apart all around the tree.

Bore Holes: 3/8 to 5/8 inch diameter holes 2 to 6 inches deep, depending on tree diameter are bored sloping slightly downward and tangentially inward rather than directly towards the center of the tree. Solutions of 0.3% to 5% CYCLONE herbicide can be used. Lower concentrations (0.3%) are usually applied at higher volumes of 15 to 35 ml per tree, resulting in application of 45 to approximately 100 mg CYCLONE herbicide per tree. Using 2% to 4% solutions and applying 5 ml per single hole per tree results in application of 100 or 200 mg CYCLONE herbicide per tree. Bore hole applications in the range of 45 to 100 mg CYCLONE herbicide per tree have resulted in effective oleoresin induction.

Time of Treatment: Resin soaking can occur from treatments made any time of the year; however, cool season treatments under nondrought conditions usually result in less severe pine beetle infestations and longer tree life.

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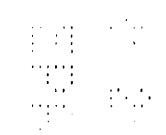
Interval Between Treatment and Tree Harvest: The interval between application of CYCLONE herbicide and tree harvest should be a minimum of 6 months and preferably from 12 to 24 months. Intervals of over 6 months may not be possible under conditions of drought or serious pine beetle attacks, which may make early harvest necessary. The CYCLONE herbicide treatment may encourage beetle attack, or may cause premature death of the tree. Desiccation of the xylem tissue, rather than the desired resin soaking, may occur, and is more likely at higher dosage rates.

Effect on Stem Growth:

CYCLONE herbicide treatment can result in reduced stem growth during the interval between treatment and tree harvest.

| Dilution Table for CYCLONE | Dilution Table for CYCLONE Herbicide (2.0 lbs. cation per gallon): | | | | | |
|---|---|--|--|--|--|--|
| Concentration of Cation Desired (Wt./Wt. Basis) | To 1½ Gallon of CYCLONE Herbicide add the following No. Gals. of Water: | | | | | |
| 0.2% | 118.8 | | | | | |
| 0.5% | 46.8 | | | | | |
| 1.0% | 22.9 | | | | | |
| 2.0% | 10.9 | | | | | |
| 3.0% | 6.9 | | | | | |
| 4.0% | 4.9 | | | | | |
| 5.0% | 3.7 | | | | | |

| Conversion Table CYCLONE Herbicide to be Applied | | | | | |
|--|----|-----|------|--|--|
| Pints/Ac FI Oz/Ac Lb ai/Ac Ac/ | | | | | |
| • | 7 | .08 | 18.3 | | |
| • | 11 | .13 | 11.6 | | |
| • | 21 | .25 | 6.1 | | |
| 1½ | 24 | .28 | 5.3 | | |
| 2 | 32 | .38 | 4.6 | | |
| 21/2 | 40 | .47 | 3.2 | | |
| 3 | 48 | .56 | 2.7 | | |
| 4 | 64 | .75 | 2.0 | | |
| 5 | 80 | .94 | 1.6 | | |



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 1-800-424-9300.

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/MINI-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

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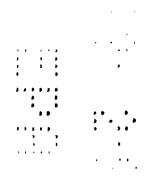
Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

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!



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