

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.

Gramoxone EXTRA HERBICIDE

A COTTON AND SOYBEAN PREPLANT HERBICIDE
KEEP OUT OF REACH OF CHILDREN

DANGER  **POISON**
PELIGRO

PRECAUCION AL USUARIO:

Si usted no lee ingles, no use este producto hasta que le expliquen lo haya sido explicada en espanol.

ACTIVE INGREDIENT:	By Wt.
Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)	37.05%
INERT INGREDIENTS:	62.95%
Contains 2.5 lbs. paraquat cation per gallon	100.00%
Contains stench (odor) and emetic	
EPA Reg. No. 10182-280	
EPA Est. No. 10182-TX-1	

Contents: 30 gal (114 L)



Agricultural Products

ICI Americas Inc.
Wilmington Delaware 19897

- ONE SWALLOW CAN KILL!**
SYMPTOMS ARE PROLONGED AND PAINFUL. ONSET OF SYMPTOMS MAY BE DELAYED FOR UP TO 3 DAYS AFTER SWALLOWING.
- DO NOT USE OR STORE IN OR AROUND HOME.
 - DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.
 - NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS.
 - READ PRECAUTIONARY STATEMENTS ON NEXT PANEL.

STATEMENT OF PRACTICAL TREATMENT

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

NOTE TO PHYSICIANS: Call ICI AMERICAS MEDICAL EMERGENCY INFORMATION NETWORK 1-800-327-8633 (Dial 1-800-F-A-S-T-M-E-D) at any hour to obtain toxicology and medical management consultation, a supply of bentonite clay, and paraquat analysis. Symptoms following ingestion may be delayed up to 3 days. To be effective, treatment for paraquat poisoning must begin IMMEDIATELY. Treatment consists of binding paraquat in the gut with suspensions of bentonite clay or charcoal and removal of paraquat from the blood by prolonged charcoal hemoperfusion or continuous hemodialysis.

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

IF IN 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.

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 1-800-424-9200.

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

DANGER POISON

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

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

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

ENVIRONMENTAL HAZARDS

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

DRIFT: GRAMOXONE EXTRA is a contact herbicide that kills all green plant tissue. Do not apply under conditions involving possible drift to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use, or consumption. Do not apply when weather conditions favor drift from areas treated. For aerial applicators use, do not apply during periods of thermal inversion to avoid drift.

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

RESISTANT/CONTAMINATED: Flush all spray equipment with water after use each day. GRAMOXONE EXTRA 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 or Playgrounds.

Do not apply this product through any type of irrigation system. Refer to attached booklet for use directions.

ACCEPTED

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Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 10182-280

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REENTRY STATEMENTS

DO NOT enter treated areas without protective clothing until sprays have dried. AVOID working in spray mist. If there is a risk of exposure, wear goggles and approved face mask capable of filtering spray droplets.

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

Certain states may require more restrictive reentry intervals; consult your State Department of Agriculture for further information. Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated.

IMPORTANT: The effect of swallowing GRAMOXONE EXTRA 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.

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

CONDITIONS OF SALE AND LIMITED WARRANTY:

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 harmless 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.

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BIPYRIDILUM
PESTICIDE, LIQUID
N.O.S. (CONTAINS
PARAQUAT)

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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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- DO NOT USE OR STORE OVER OR AROUND HOME.
- DO NOT REMOVE CONTENTS EXCEPT FOR RESIDUAL USE.
- NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS.

ACTIVE INGREDIENT: By Wt.
Paraquat dichloride
(1,1'-dimethyl-4,4'-bipyridinium
dichloride) 37.85%
INERT INGREDIENTS: 62.15%
Total 100.00%

EPA Reg. No. 10482-280

Contains 2.5 lbs. paraquat cation per gallon.
Contains starch (sugar) and emulsifier.

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.

Gramoxone
EXTRA
HERBICIDE

A Cotton and Soybean Preplant Herbicide

COMPLETE DIRECTIONS FOR USE



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ACCEPTED

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Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 10482-280

STATEMENT OF PRACTICAL TREATMENT
IF SWALLOWED: IMMEDIATELY induce vomiting by reaching 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 BEGUN BEFORE SIGNS AND SYMPTOMS APPEAR.

NOTE TO PHYSICIANS: Call ICI AMERICAN MEDICAL EMERGENCY INFORMATION NETWORK 1-800-327-8533 (toll 1-800-F-A-S-T, 15-25) 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 water before reuse. Any prolonged contact will cause severe irritation. Contact with irritated 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.

BEST AVAILABLE COPY

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 stinging agent which has been added, not from paraquat.

Read and follow PRECAUTIONARY STATEMENTS

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-A-S-E-O (387-8837).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9393.

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

DANGER  **POISON**

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

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

- When mixing, loading, mixing concentrate or when exposure to concentrate is possible wear a NIOSH-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 and use dilution outside of an enclosed cab or aircraft or when contacting vegetation not 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

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 pastures). Do not contaminate water when disposing of equipment washwaters.

DRIFT: GRAMOXONE[®] EXTRA herbicide is a contact herbicide that kills all green plant tissue. Do not apply under conditions involving possible drift to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use, or consumption. Do not apply when weather conditions favor drift from areas treated. Do not apply during periods of thermal inversion to avoid drift.

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

EQUIPMENT/CONTAINER: Flush all spray equipment with water after use each day. GRAMOXONE EXTRA 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 PRECAUTIONARY AND FIRST AID TREATMENT STATEMENTS ON PAGES 3-4.

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

REENTRY STATEMENTS

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

AVOID working in spray mist. If there is 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.

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WARNING: The effect of overdosing GRAMOXONE EXTRA 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

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

GRAMOXONE EXTRA is formulated as a liquid which contains 2% lbs. of active ingredient per gallon. The formulation is green in color and contains a non-toxic odor, and an emetic (an agent which will induce vomiting if the product is swallowed). The green color and odor are included in the formulation to help prevent accidental ingestion of GRAMOXONE EXTRA.

GRAMOXONE EXTRA is rapidly absorbed by green plant tissue and interacts with the photosynthetic process to produce superoxides which destroy the plant cells. GRAMOXONE EXTRA requires actively growing green plant tissue to function. Thorough coverage of all green foliage is essential for effective weed control. GRAMOXONE EXTRA 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 GRAMOXONE EXTRA. As a result, GRAMOXONE EXTRA has no residual soil activity to affect later-planted crops or later-germinating weeds.

RAPIDITY

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

APPLICATION

Since GRAMOXONE EXTRA 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 mowed weeds will usually result in unsatisfactory weed control. See details below for specific application instructions.

USE OF A NONIONIC SURFACTANT OR CROP OIL CONCENTRATE

ALWAYS ADD ONE OF THE FOLLOWING:

Nonionic Surfactant: Add nonionic surfactant containing 75% or more surfactant-active agent at 0.15% v/v (1 pint per 100 gallons), OR add a nonionic surfactant containing 50-75% surfactant-active agent at 0.25% v/v (2 pints per 100 gallons), at 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 15-35% approved emulsifier, at 1.5% 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.

NOZZLE SELECTION

The use of flat fan nozzles will result in the most effective application of GRAMOXONE EXTRA 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.

RECOMMENDED NOZZLES, PRESSURES AND SETUP

	Nozzle Type	
	Flat Fan	Flood
Maximum Size	8	15
Spray Pressure (at nozzle)	20-60 psi	20-60 psi
Maximum Nozzle Spacing	30"	40"
Direction of Spray Pattern	Down	Down
Maximum Speed	10 mph	10 mph
Spray Overlap (at each edge)	30%	50%

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

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. Still, minimization is the responsibility of the applicator. Consult with local and state agricultural authorities for information regarding avoiding or minimizing spray drift.

When GRAMOXONE EXTRA is applied at less than 10 gallons per acre finished spray volume, a drift control or spray deposition additive **MUST** be used. Refer to the additive label for use directions.

APPLICATION TIMING

GRAMOXONE EXTRA 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, then 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.

SPRAY CARRIER

Always use clean water (free of mud or clay), clear liquid nitrogen, or complete clear liquid fertilizers as the carrier when spraying GRAMOXONE EXTRA herbicide. Muddy water, or suspension-type fertilizers containing clay, can inactivate GRAMOXONE EXTRA. 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 GRAMOXONE EXTRA and surfactant.

NOTE: When using liquid fertilizers such as 20% N, as a carrier, it is important that nonionic surfactant still be used with GRAMOXONE EXTRA. Liquid fertilizer carriers cannot substitute for surfactant.

RATES OF GRAMOXONE EXTRA HERBICIDE

Follow recommended rates listed with each use of GRAMOXONE EXTRA 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 GRAMOXONE EXTRA 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.

BURNDOWN OF GRASS COVER CROPS OR VOLUNTEER CEREALS

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

ENVIRONMENTAL CONDITIONS

GRAMOXONE EXTRA is active over a wide range of environmental conditions. Cool weather (below 55°F) will slow the activity of GRAMOXONE EXTRA, 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 GRAMOXONE EXTRA activity. Avoid applying GRAMOXONE EXTRA in extremely dusty conditions.

SPOT SPRAYING

When only small areas 1" to 2' x 2' are sprayed with labeled applications, it is advantageous to mix small quantities of GRAMOXONE EXTRA herbicide. Field in mixing small quantities, the following table should be consulted. When spraying with wand-type applicators as in mist-spraying, always use precautionary distance-to-see or drug use, protective clothing and footwear.

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At the broadcast rate per acre for GRAMOXONE EXTRA is:	Add the following amount of GRAMOXONE EXTRA to 1 Gallon of water
1 1/2 pints	1/2 fl. oz.
2 pints	1/2 fl. oz.
2 1/2 pints	1/2 fl. oz.
3 pints	1/2 fl. oz.

Always add 1/2 to 1 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 GRAMOXONE EXTRA with other herbicides. The addition of herbicides which are also photosynthetic inhibitors (PSI) will slow the activity of GRAMOXONE EXTRA, allowing GRAMOXONE EXTRA to thoroughly distribute itself within the treated leaf. The resulting level of control is usually greater than if GRAMOXONE EXTRA was applied alone.

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

Atrazine herbicide	Griflow herbicide*
Atrazine herbicide	Leprosin/Sencor herbicides
Bicaps herbicide	
Blazer herbicide	Levee Plus herbicide
Canopy herbicide*	Larval herbicide
Canquest herbicide*	Prevex herbicide*
Extreme herbicide*	Princep herbicide
Gambol herbicide*	Linear/Laser herbicides*

*Not for use in California.

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

Improved Weed Control With PSI

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

Marestail	Prickly Lettuce
Pennsylvania Smartweed	Lambquarters
Velvetleaf	Morningglory
Melba (Chenopodium)	Chenopodium
Fall Pansy	Knightweed
Giant Ragweed	Volunteer Wheat
Kochia	Perennial Weeds
Cocklebur	(suppression only)
Tarnished Plantain	

Improved Control of Perennial and Annual Broadleaf Weeds

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

ORDER OF TANK MIXING

In general, GRAMOXONE EXTRA 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.
3. Add dry formulations (WP, DF, etc.) to tank.
4. Add liquid formulations (EC, SC, L, etc.) to tank.
5. Add GRAMOXONE EXTRA to tank.
6. Add nonionic surfactant to tank.
7. Fill remainder of spray tank.

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

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

LIMITATIONS, PRECAUTIONS AND WARNINGS

- 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 GRAMOXONE EXTRA 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 GRAMOXONE EXTRA.
- **PRODUCT PERFORMANCE CONCERNS:** Concerns with the performance of GRAMOXONE EXTRA 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, pre-harvest intervals and other precautions, restrictions and comments specific to each crop. Read and follow directions carefully.

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Crop	SOYBEANS																				
Use Pattern	Preplant/Preemergence																				
GRANDPRIME EXTRA Rate Per Acre	Weeds 1-3": 1½-2 pints Weeds 3-6": 2-2½ pints Weeds 6": 2½-3 pints																				
Minimum Total Spray Per Acre	Ground: 20 gal Air: 5 gal																				
Grading or Preharvest Interval (Days)	—																				
Precautions, Restrictions and Comments	• Apply as a broadcast spray before, during or after planting, but before crop emergence. • For improved burndown or residual control, GRANDPRIME EXTRA may be tank mixed with the following herbicides: <table border="0"> <tr> <td>2,4-DB</td><td>Goal</td><td>Laser</td><td>Preal</td><td>Turbo</td></tr> <tr> <td>Canopy</td><td>Medusa[®] herbicide</td><td>Laser</td><td>Scout[®] herbicide</td><td>herbicide</td></tr> <tr> <td>Dual</td><td>Laser[®] herbicide</td><td>Laser Plus</td><td>Sencor</td><td></td></tr> <tr> <td>Banor[®] herbicide</td><td>Lanate</td><td>Previor</td><td>Surflan[®] herbicide</td><td></td></tr> </table>	2,4-DB	Goal	Laser	Preal	Turbo	Canopy	Medusa [®] herbicide	Laser	Scout [®] herbicide	herbicide	Dual	Laser [®] herbicide	Laser Plus	Sencor		Banor [®] herbicide	Lanate	Previor	Surflan [®] herbicide	
2,4-DB	Goal	Laser	Preal	Turbo																	
Canopy	Medusa [®] herbicide	Laser	Scout [®] herbicide	herbicide																	
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*Not for use in California See page 24 for additional precautions

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Crop	COTTON (Cont'd)
Use Pattern	Preplant (Tankmix with Goal)
GRANDPRIME EXTRA Rate Per Acre	2-3 pints
Minimum Total Spray Per Acre	Ground: 20 gal Air: 5 gal
Grading or Preharvest Interval (Days)	—
Precautions, Restrictions and Comments	Refer to label for specific use directions and restrictions and weeds controlled.

Crop	COTTON
Use Pattern	Preplant or Preemergence (Used alone)
GRANDPRIME EXTRA Rate Per Acre	2-3 pints
Minimum Total Spray Per Acre	Ground: 20 gal Air: 5 gal
Grading or Preharvest Interval (Days)	—
Precautions, Restrictions and Comments	- Apply prior to, during or after planting, but before crop emergence. - For fallow bed treatment, beds should be prepared to permit maximum weed and grass emergence prior to treatment. - Seeding should be done with a minimum of soil disturbance.

Crop	SOYBEANS (Cont'd)
Precautions, Restrictions and Comments	- The rate of GRANDPRIME EXTRA to be used is based on weed height and growing conditions, also the higher the GRANDPRIME EXTRA under dry conditions or when the weeds are the specific tank-mix herbicide label for rates, at 2x, 3x, 4x, 5x for a list of weeds controlled. - The lower rate may be used when weeds are less than 4" tall. - Seeding should be done with a minimum amount of soil disturbance.

Crop	COTTON (Cont'd)				
Use Pattern	Preplant/Preemergence (Other tankmixes)				
GRANDPRIME EXTRA Rate Per Acre	2-3 pints				
Minimum Total Spray Per Acre	Ground: 20 gal Air: 5 gal				
Grading or Preharvest Interval (Days)	—				
Precautions, Restrictions and Comments	- Apply as a broadcast spray before, during or after planting, but before crop emergence. - For improved burndown or residual control, GRANDPRIME EXTRA may be tank mixed with the following herbicides: <table border="0"> <tr> <td>Canopy herbicide (4L only)</td><td>Karmex herbicide</td></tr> <tr> <td>Zorin herbicide</td><td>herbicide</td></tr> </table> - When tank mixing with Canopy 4L, add 500 ppm of 2,4-DB. - When tank mixing with any of the herbicides listed above, refer to specific directions and restrictions and for a list of weeds controlled.	Canopy herbicide (4L only)	Karmex herbicide	Zorin herbicide	herbicide
Canopy herbicide (4L only)	Karmex herbicide				
Zorin herbicide	herbicide				

Crop	COTTON (Cont'd)
Use Pattern	Preplant or Fallow Bed (Tankmix with Goal herbicide)
GRANDPRIME EXTRA Rate Per Acre	2-3 pints
Minimum Total Spray Per Acre	Ground or Air: 10 gal
Grading or Preharvest Interval (Days)	—
Precautions, Restrictions and Comments	Refer to label for specific use directions and restrictions, and for a list of weeds controlled.

BEST AVAILABLE

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Canopy, Dawn, Estrazine, Gemini, Linex, Preview, Sceptor, and Turbo are not for use in California.

Please consult each appropriate label for specific recommendations.

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, feedstuffs or drinking water. Do not store next to feed or feed, at transport or on vehicles containing feedstuffs or feeds. For help with any spill, leak, fire or exposure involving this material, call CHEMTREC 1-800-424-9383.

PESTICIDE DISPOSAL: This product is acutely hazardous. Improper disposal of excess pesticides, spray mixtures, or residues 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 for equivalent. Do not reuse container. Offer for recycling or remanufacturing, or purchase and dispose of in a sanitary landfill, or dispose of by other procedures allowed by state and local authorities.

FOR BULK AND REBULK CONTAINERS:

CONTAINER DISPOSAL: Palletize container and offer for remanufacturing, or triple rinse for equivalent and offer for recycling or remanufacturing, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage, such as cracks, punctures, bulging, dents, distortions and damaged or worn threads on closure devices.

REFILL ONLY WITH GRAMSCONE EXTRA INSECTICIDE. The contents of this container cannot be completely removed by observing. Refilling with materials other than GRAMSCONE EXTRA will result in contamination and may weaken container.

After filling and before transporting, check for leaks. Do not spill or transport damaged or leaking container.

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

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