

Front Panel

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GRAMOXONE® EXTRA Container
RS-120288A

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 WEED & GRASS KILLER - HARVEST AID CHEMICAL****KEEP OUT OF REACH OF CHILDREN****DANGER O POISON
X****ONE SWALLOW CAN KILL!**

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

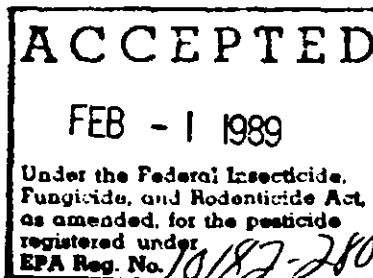
PELIGRO**PRECAUCION AL USUARIO:**

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

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

ACTIVE INGREDIENT:**By Wt.**

Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride....	37.05%
INERT INGREDIENTS.....	62.95%
	<u>100.0%</u>

Contains 2.5 lbs paraquat cation per gallon**Contains stench (odor) and emetic****EPA Reg. No. 10182-****EPA Est. No.****Net Contents.****(ICI Rondel)****Agricultural Products****ICI Americas Inc.****Wilmington, DE 19897**

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER $\frac{O}{X}$ POISON

Can Kill if Swallowed. May be Harmful or Fatal if Absorbed Through Skin or Inhaled. Harmful to Skin and Eyes.

WORKER SAFETY RULES

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

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED

IMMEDIATELY induce vomiting by inserting finger in throat. Administer fluids and induce further vomiting. GET to a hospital or physician fast. PROMPT TREATMENT IS ESSENTIAL and must be initiated before signs and symptoms of injury appear.

SKIN CONTACT

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

EYE CONTACT

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

INHALATION

IMMEDIATELY get away from spray mist. Exposure may cause irritation, nose bleeds and may lead to poisoning. Stop and check spray procedure. The odor of this product is from the stenching agent which has been added, not from paraquat. Follow Worker Safety Rules.

Note to Physicians: Call ICI AMERICAS MEDICAL EMERGENCY

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

ENVIRONMENTAL SAFETY CAUTIONS

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

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.

EQUIPMENT/CONTAINERS: 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 Supplemental Pamphlet for Use Directions.

REENTRY STATEMENTS

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

AVOID working in spray mist. If there is a risk of exposure, wear goggles and approved 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 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.

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

Front Cover

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GRAMOXONE EXTRA HERBICIDE

A Weed and Grass Killer - Harvest Aid Chemical

**Complete Directions For Use
Read Worker Safety Rules**

Inside of Front Cover

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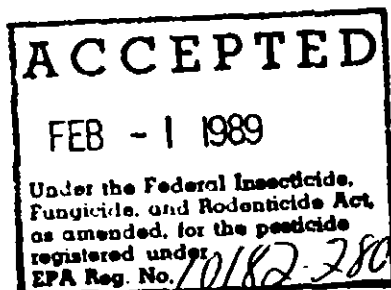


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GRAMOXONE EXTRA HERBICIDE

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

GENERAL INFORMATION

GRAMOXONE® EXTRA herbicide 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 can also be used as a crop desiccant at harvest.

GRAMOXONE EXTRA is formulated as a liquid which contains 2 1/2 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.

RAINFASTNESS

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 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 pages 3 and 4 for specific application instructions.

USE OF A NONIONIC SURFACTANT

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

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

*1 pint = 0.125% V/V.

**For applications where higher rates of surfactant are desired or required, additional surfactant may be used.

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

13951

NOZZLE SELECTION

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

Always use clean water (free of mud or clay), clear liquid nitrogen, or complete clear liquid fertilizers as the carrier when spraying GRAMOXONE EXTRA. 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 28% 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

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

DRIFT MINIMIZATION

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

APPLICATION TIMING

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

ENVIRONMENTAL CONDITIONS

GRAMOXONE EXTRA is active over a wide range of environmental conditions. Cool weather (below 55°) 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 cover weed leaves and reduce GRAMOXONE EXTRA activity. Avoid applying GRAMOXONE EXTRA under extremely dusty conditions.

SPOT SPRAYING

When only small areas are to be sprayed with labeled applications, it is advantageous to mix small quantities of GRAMOXONE EXTRA. 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 Add the following amount of
for GRAMOXONE EXTRA is: GRAMOXONE EXTRA to 1 gal of water

1 1/2 pts	1/3 fl oz
2.0 pts	3/8 fl oz
2.5 pts	1/2 fl oz
3 pts	2/3 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 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 may be applied in tank mixture with the following PSI herbicides:

ATRAZINE	CONQUEST	LOROX PLUS
AATREX	EXTRAZINE	LARIAT
BICEP	GEMINI	PREVIEW
BLADEX	GRIFFEX	PRINCEP
CANOPY	LENOX/SENCOR	LINEX/LOROX

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 PSI's

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

Marestail	Prickly lettuce
Pennsylvania Smartweed	Lambsquarters
Velvetleaf	Morningglory
Malva (Cheeseweed)	Cheatgrass
Fall Panicum	Knotweed
Giant Ragweed	Volunteer wheat
Kochia	Perennial Weeds (suppression only)
Cocklebur	
Tansy Mustard	

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, tank mixes with 2,4-D ester (cv), 2, 4-DB or BANVEL, 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 tank mixes with other products should be mixed as follows:

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

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

SPECIFIC USE RECOMMENDATIONS

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

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
ALFALFA					
New Seedlings (California only)	Broadcast	0.4 - 1.6 pints See Table 1 page 32	Ground: 25 gal Air: 5 gal	70	<ul style="list-style-type: none"> o Apply during late winter or early spring o Do not cut or harvest within 70 days after application. o Do not apply more than once during the growing season. o Caution: Seedling alfalfa stands will be reduced and replanting may be necessary. o Not recommended for seedling alfalfa grown from seed. o Alfalfa foliage present at time of application will be burned.
Preplant or Preemergence (No-till or conventional planting)	Broadcast or Banded Over-Row	1.6 - 3.2 pints	Ground: 10 gal Air: 3 gal	-	<ul style="list-style-type: none"> o Apply prior to emergence of the crop. o Crop plants emerged at time of application will be killed. o Seeding should be done with a minimum amount of soil disturbance.
Dormant season on established plantings (WA,OR,CO,ID,MT, UT,NV,WY, and Del Norte, Siskiyou, Modoc, Shasta, Lassen, Plumas, Sierra and Nevada Counties in CA)	Broadcast	1.6 - 2.4 pints	Ground: 20 gal Air: 5 gal	42	<ul style="list-style-type: none"> o For dessication of weeds including ryegrass, bluegrass, cheatgrass, dogfennel, chickweed and tansymustard. Use higher rate for cheatgrass. o Apply to established stands after the last cutting when crop is dormant but before regrowth starts. o Do not apply if regrowth after last fall cutting is more than 2". o Alfalfa foliage at time of application will be burned.

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
ALFALFA (Cont'd)					
Dormant season on established plantings (East of the Rocky Mountains and North of the Southern Borders of CO, KS, MO, KY, and VA)	Broadcast	1.6 - 2.4 pints	Ground: 20 gal Air: 5 gal	60	<ul style="list-style-type: none"> o Do not apply more than once per season. o Do not cut or harvest within 42 days of application. o For control of weeds, including bluegrass, chickweed, henbit, and downy brome and suppression of perennial weeds. o Do not apply if fall <u>regrowth</u> following last fall cutting is greater than 6". o Apply to well-established stands (at least one year old) after the crop is dormant, but before spring <u>regrowth</u> reaches one inch. o Alfalfa foliage present at the time of application will be burned which may reduce the yield of the first cutting. o Do not cut or harvest within 60 days of application. o Do not apply more than once per season.
Dormant season tank mix with Velpar L (East of the Rocky Mountains and North of the Southern borders of CO, KS, MO, KY, and VA.)	Broadcast	0.8 - 1.6 pints	Ground: 20 gal Air: 10 gal	42	<ul style="list-style-type: none"> o For control of weeds such as chickweed, downy brome and tanseymustard. o Use the 0.8 pt. rate of GRAMOXONE EXTRA when weeds and grasses are less than 4" tall. o Mix with 1 to 2 qts. of Velpar L per acre. o Use the lower rate of Velpar L on loamy sands or sandy loams. Refer to Velpar L label for directions, limitations, cautions and for a list of weeds controlled. o Apply once to established alfalfa stands during the dormant season. o Do not apply to <u>regrowth</u> that is more than 2 inches.

19951

E

<u>Crop</u>	<u>Use Pattern</u>	<u>GRAMOXONE EXTRA Rate Per Acre</u>	<u>Minimum Total Spray Per Acre</u>	<u>Preharvest Interval (Days)</u>	<u>Precautions, Restrictions and Comments</u>
<u>ALFALFA</u> (Cont'd)					<ul style="list-style-type: none"> o Do not apply following cuttings during growing season. o Do not apply to alfalfa during the first season after seeding. o Temporary chlorosis may occur on alfalfa regrowth. o 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. o <u>DO NOT USE</u> on gravelly or rocky soils, exposed subsoils, hardpan, sand or poorly drained alkaline soils as crop injury, including mortality, may result.
Dormant season Arizona and California	Broadcast	0.8 - 1.6 pints	Ground: 20 gal Air: 5 gal	60	<ul style="list-style-type: none"> o Apply during late fall or winter months after the last fall cutting and before first spring cutting. o Do not apply if <u>regrowth</u> after grazing or cutting is more than 2 inches. o Do not harvest within 60 days of application or excessive residues may result. o Alfalfa foliage present at the time of application will be discolored and temporarily stunted.

20951

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
<u>DORMANT SEASON</u> (Cont'd)					
---	California ---				<ul style="list-style-type: none"> o Total hay yield of first cutting may be reduced in alfalfa fields with severe weed infestation. This reduction will usually be directly proportionate to the loss of weed weight. o Do not apply more than once per season. o Do not apply following cuttings during the growing season. o For desiccation of weeds including bluegrass, ryegrass, shepherdspurse, chickweed, tanseymustard, foxtail, sowthistle and groundsel. o Use high rate if ryegrass, shepherdspurse, sowthistle or groundsel is present. o For desiccation of weeds, including London rocket, sowthistle, rescue brome and wild oats.
---	Arizona ---				
Dormant season tank mix with Velpar L (ID,OR,UT, and WA, NV, and the northern California Counties of Del Norte, Siskiyou, Modoc, Shasta, Lassen, Plumas, Sierra, and Nevada)	Broadcast	0.8 - 1.6 pints	Ground: 20 gal Air: 10 gal	42	<ul style="list-style-type: none"> o For control chickweed, downy brome and tanseymustard. o Use the 0.8 pt. rate of GRAMOXONE EXTRA when weeds and grasses are less than 4" tall. o Mix with 1 to 2 qts. of Velpar L per acre. o Use the lower rate of Velpar L on loamy sands or sandy loams. Refer to Velpar L label for directions, limitations, cautions and for a list of weeds controlled. o Apply once to established alfalfa stands during the dormant season. o Do not apply to <u>regrowth</u> that is more than 2 inches.

21951

GRAMOXONE EXTRA

RS-120288A

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
<u>DORMANT SEASON</u> (Cont'd)					<ul style="list-style-type: none"> o Do not apply following cuttings during growing season. o Do not apply to alfalfa during the first season after seeding. o Temporary chlorosis may occur on alfalfa regrowth. o Do cut or harvest within 42 days of application. o 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. o <u>DO NOT USE</u> on gravelly or rocky soils, exposed subsoils, hardpan, sand or poorly drained alkaline soils as crop injury, including mortality, may result.
Between-cuttings treatment in established plantings. (Includes first year alfalfa) (All states east of the Rocky Mountains)	Broadcast	0.8 pints	Ground: 20 gal	30	<ul style="list-style-type: none"> o Weeds much beyond the seedling stage and the stubble of weeds cut off during harvest will be less affected by this treatment. o Apply immediately after alfalfa has been removed for hay or silage. o Do not treat more than 5 days after cutting. o CAUTION: First year alfalfa stands and yields may be reduced if alfalfa is allowed to regrow more than two (2) inches. o Alfalfa foliage present at time of application will be burned. o In arid areas where moisture is limited, weed control may be reduced. o Do not cut or harvest within 30 days of application. o Make 1 to 3 applications, as needed, during the growing season. These sprays may be applied in addition to a dormant application. o For first year alfalfa, do not apply more than twice during the first growing season.

22951

Crop	Use Pattern	GRAMOXONE EXTRA Rate 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	1.6 - 3.2 pints	Ground: 25 Air: 5	-	o Apply prior to emergence of the crop. o Crop plants emerged at time of application will be killed.
Preemergence to established plantings at least 2 years old	Broadcast or Band Over-row	1.6 - 3.2 pints	Ground: 25	6	o Apply prior to emergence of crop or after last harvest. o Crop plants emerged at time of planting will be killed. o 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.
Cassavas, Taniers Yams (Puerto Rico only) Shielded Post directed spray)	Directed Spray	1.6 pints	Ground: 50	90	o Apply when weeds are succulent and growth is 1-6 inches. o On cassavas and taniers, do not make more than 3 applications per crop season. o On yams do not make more than 2 applications per crop season. o Do not allow spray to contact cassavas, tanier or yam plants as injury may result. o Do not spray under windy conditions. o Do not graze treated areas or feed treated forage to livestock.

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
<u>CLOVER</u>					
Dormant season on established plantings (WA,OR,CO,ID,MT UT,NV,WY and the counties of Del Norte, Siskiyou, Modoc, Shasta, Lassen, Plumas, Sierra, and Nevada in CA)	Broadcast	1.6 - 2.4 pints	Ground: 20 Air: 5	60	<ul style="list-style-type: none">o For desiccation of ryegrass, bluegrass, cheat- grass, dogfennel, chickweed, and tanseymustard. Use higher rate if cheatgrass is present.o Apply after the last fall cutting when the crop is dormant but before spring growth starts.o Do not apply if <u>regrowth</u> following the last fall cutting is more than 2".o Clover foliage present at the time of application will be burned.o Do not pasture animals in treated fields before first cutting.o Do not graze, cut or harvest within 60 days of application.o Do not apply more than once per season.
<u>CONSERVATION RESERVE AND FEDERAL SET- ASIDE PROGRAMS</u> (For use in com- pliance with the Federal Conservation Reserve Program or Federal set-aside programs.)	Broadcast	1.6 - 3.2 pints	Ground: 10 Air: 3	-	<ul style="list-style-type: none">o For improved emerged weed control or extended weed control, GRAMOXONE EXTRA may be tank-mixed with other herbicides registered for this use. Refer to tank mix herbicide labels for specific directions, limitations, cautions and for a list of weeds controlled.
<u>CORN</u>					
Preplant or Preemergence Used Alone	Broadcast or Banded Over Row	Weeds 1-3": 0.8-1.2 pts Weeds 3-6": 1.2-1.6 pts Weeds 6": 1.6-3.2 pts	Ground: 20 gal Air: 5 gal		<ul style="list-style-type: none">o Includes field, fresh, sweet, forage, fodder and popcorn.o Seedbeds should be formed as far ahead of planting and treatment as possible to permit maximum weed and grass emergence.

Grazing or
Preharvest

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Interval (Days)	Precautions, Restrictions and Comments
CORN (cont'd)					
Tank Mixture Treatments for No-till/Reduced Till Corn	Broadcast or Banded	Weeds 1-3": 0.8-1.2 pts Weeds 3-6": 1.2-1.6 pts Weeds 6": 1.6-3.2 pts	Ground: 20 gal		<ul style="list-style-type: none"> o Seeding should be done with a minimum amount of soil disturbance. o Weeds and grasses emerging after application will not be controlled. Crop plants emerged at time of application will be killed. o Apply as a broadcast spray before, during or after planting, but before crop emergence. o For improved burndown or residual control, GRAMOXONE EXTRA may be tank-mixed with the following herbicides: <ul style="list-style-type: none"> 2,4-D Ester Bladex Linex Aatrex/Atrazine Dual Lorox Banvel Extrazine Modown Bicep Griffex PRINCEP Prowl Lasso Simazine o GRAMOXONE EXTRA may also be tank mixes with AMBUSH Insecticide. o Refer to respective product label(s) for rates of application, directions for use, limitations, cautions, and for a list of weeds or insects controlled.
FIELD CORN POPCORN SWEET CORN	Postemergence Directed Spray Used Alone	0.8 pints	Ground: 20 gal		<ul style="list-style-type: none"> o Apply when corn is at least 10 inches tall with nozzles arranged to spray no higher than the lower 3 inches of corn stalks. o Corn plants shorter than 10 inches may be injured and not recover (corn height measured from soil surface to top of whorl).

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
FIELD CORN (Cont'd) POPCORN SWEET CORN	Postemergence Directed Spray Tank-mix with Atrazine	0.8 pints	Ground: 20 gal -		<ul style="list-style-type: none"> o Do not mix with liquid fertilizer. o For improved control of emerged weeds (especially broadleaf weeds). Add $\frac{1}{2}$ to 1 lb ai/acre atrazine in a tank mix. Refer to the atrazine label for directions, limitations, cautions and for a list of weeds controlled. o Constant agitation of tank-mix is necessary at all times. o Refer to other precautions, etc., in "used alone" section immediately above.
<u>FIELD CORN ONLY</u> (grain, fodder, forage, popcorn)	Postemergence directed spray USDA witchweed eradication program	1.6 pints	Ground: 10 gal -		<ul style="list-style-type: none"> o Initiate sprays in early July and repeat in early August if regrowth of grassy weeds occurs. o Follow application instructions in postemergence o directed spray section above.
<u>COTTON</u>					
Preplant or Preemergence (Used alone)	Broadcast	1.6-3.2 pints	Ground: 20 gal Air: 5 gal	-	<ul style="list-style-type: none"> o Apply prior to, during or after planting, but before crop emergence. o For fallow bed treatment, beds should be preformed to permit maximum weed and grass emergence prior to treatment. o Seeding should be done with a minimum of soil disturbance.
Preplant (California only) (Used alone)	Broadcast	6.5-12.8 fl oz	Ground: 20 gal Air: 5 gal	-	<ul style="list-style-type: none"> o For control of volunteer barley in preformed seedbeds.
Preplant or Fallow Bed (Tank-mix with Goal)	Broadcast	0.8-3.2 pints	Ground or Air: 10 gal	-	<ul style="list-style-type: none"> o Refer to Goal label for specific use directions and restrictions, and weeds controlled.

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
<u>COTTON</u> (Cont'd)					
Preplant (Tank-mix with Bladex)	Broadcast	1.6-3.2 pints	Ground: 20 gal Air: 5 gal	-	o Refer to Bladex label for specific use directions and restrictions and weeds controlled. o Apply as a broadcast spray before, during or after planting, but before crop emergence.
Other Tank mixes					
<div data-bbox="1464 651 2213 744">o For improved burndown or residual control, GRAMOXONE SUPER may be tank-mixed with the following herbicides:</div> <div data-bbox="1536 788 1793 948"> <ul style="list-style-type: none"> - Cotoran (4L only) - Zorial - Karmex/Direx - Dual - Prowl </div> <div data-bbox="1464 995 2236 1088">o When tank-mixing with Cotoran 4L, add Dawn dishwashing liquid to the tank at 8 oz/100 gallons water <u>prior</u> to adding the Cotoran and GRAMOXONE EXTRA.</div> <div data-bbox="1464 1135 2194 1263">o 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.</div>					

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
<u>COTTON</u> (cont'd)	Harvest Aid				<p data-bbox="1476 401 1850 428"><u>Harvest Aid Use Precautions</u></p> <ul style="list-style-type: none"> o Do not pasture lactating dairy animals. o Do not pasture livestock in treated fields within 15 days after treatment. o Remove livestock from treated area 30 days before slaughter. o Do not feed gin trash to livestock. o Do not apply to cotton within 3 days before harvest. o Repeat application if necessary. Do not make more than 2 applications or exceed a total of 1.6 pts. o When combined with phosphate defoliant, observe livestock cautions listed on the phosphate label. o When combined with chlorate defoliant, do not pasture livestock on treated areas or feed treated foliage or gin trash. o Do not apply within 7 days when used with phosphate or chlorate defoliant.

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
Harvest aid for boll opening and defoliation (Tank-mix with phosphate and chlorate defoliants)	Broadcast	6.5 fl. oz. plus 1 pt. phosphate or 1 gal chlorate	Ground: 10 gal Air: 3 gal	7	<ul style="list-style-type: none"> o Development of immature bolls will be inhibited. o Apply when 80% or more of the bolls are open and the remaining bolls to be harvested are mature. o Follow Harvest and use precautions listed above.
Other Tank Mixes for boll opening and defoliation of southern cotton	Broadcast	2.5-4.0 oz.	Ground: 10 gal. Air: 3 gal.		<ul style="list-style-type: none"> o To aid in defoliation and opening of mature bolls, GRAMOXONE EXTRA may be tank mixed with the following products: DEF HARVADE FOLEX PREP DROPP o Apply when 60% or more of the bolls are open and the remaining bolls to be harvested are mature. o Development of immature bolls will be inhibited. o Refer to tank mix product label for rates, directions, limitations and cautions. o Use higher rate if weed infestation is heavy or dense. o Apply when 75% or more of the bolls are open and remaining bolls to be harvested are mature. o Development of immature bolls will be inhibited. o Follow Harvest Aid Use Precautions listed above.
Post Defoliation-To aid in opening of mature bolls and to desiccate green weeds. (Except AZ & CA)	Broadcast	0.8-1.6 pints	Ground: 20 Air: 5	3	<ul style="list-style-type: none"> o Use higher rate of GRAMOXONE EXTRA on rank cotton. o Do not use more than 6.5 fl. oz. of GRAMOXONE EXTRA at first application as excessive desiccation may occur. o Apply when 60% or more of the bolls are open and the remaining bolls to be harvested are mature. o Development of immature bolls will be inhibited. o Do not use more than 4.0 lbs. of actual sodium chlorate or 2.28 lbs. of actual phosphate type defoliants per acre. o Follow Harvest Aid Use Precautions listed above.
Harvest aid for boll opening and defoliation of western cotton (Arizona & California)	Broadcast Split Application	First application 4.5-6.5 fl. oz. plus 1-3 pts. phosphate or 1-2 gal chlorate	Ground: 10 gal Air: 3 gal	7	<ul style="list-style-type: none"> o Use higher rate of GRAMOXONE EXTRA on rank cotton. o Do not use more than 6.5 fl. oz. of GRAMOXONE EXTRA at first application as excessive desiccation may occur. o Apply when 60% or more of the bolls are open and the remaining bolls to be harvested are mature. o Development of immature bolls will be inhibited. o Do not use more than 4.0 lbs. of actual sodium chlorate or 2.28 lbs. of actual phosphate type defoliants per acre. o Follow Harvest Aid Use Precautions listed above.

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
<u>COTTON</u> (Cont'd)					
(Tank mix with phosphate or chlorate defoliant)		Second application 6.5-12.8 fl. oz. alone or tank-mixed with 1½-2 gal. chlorate, or, 1½-2 pts. phosphate		3 (Alone) or 7 (Tank Mix)	<ul style="list-style-type: none"> o In desert cotton areas or on rank vigorous cotton, use the 12.8 fl. oz. rate of GRAMOXONE EXTRA. o Apply when 75% or more of the bolls are open and remaining bolls to be harvested are mature. o Development of immature bolls will be inhibited. o Follow Harvest Aid Use Precautions listed above.
Harvest aid desiccation of stripper cotton or spindle harvested cotton late season	Broadcast	0.8-1.6 pints	Ground: 10 gal Air: 3 gal	3	<ul style="list-style-type: none"> o May be applied as a split application. Do not make more than 2 applications or exceed a total of 1.6 pts/Acre. o Apply when 85% of the bolls are open and the remaining bolls to be harvested are mature. o Development of immature bolls will be inhibited. o Follow Harvest Aid Use Precautions listed above.
Desiccation of Regrowth	Broadcast	6.5-12.8 fl oz	Ground: 10 Air: 3	3	<ul style="list-style-type: none"> o Use to desiccate regrowth occurring after defoliation or desiccation. o Use higher rate if regrowth is excessive. o Follow Harvest Aid Use Precautions listed above.
<u>EASTER LILIES</u> (Field grown)	Preemergence	1.6-3.2 pints	Ground: 20 gal	-	<ul style="list-style-type: none"> o Do not apply more than twice per season.
<u>GRASSES</u> (For Seed) (For Use in Seedbed Preparation	Preplant, At Planting	1.6 pints	Ground: 20 gal	-	<ul style="list-style-type: none"> o Prepare the seedbeds and allow weeds to germinate. o Apply GRAMOXONE EXTRA when weeds are at the 3 to 5 leaf stage. o Repeat applications as necessary prior to or on the day of seeding. o Do not graze treated areas or use the seed or straw from treated areas for animal feed or bedding.

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
<u>GUAR</u> (Preharvest desiccation)	Preharvest	1.6 pints	Ground: 20 gal	4	<ul style="list-style-type: none"> o Apply after the pods are fully mature. o Do not graze treated areas or use the treated forage for animal feed.
<u>MINT</u> (Peppermint, Spearmint)	Dormant Season	1.2-2.4 pints	Ground: 25 gal	-	<ul style="list-style-type: none"> o For suppression of weeds such as Italian ryegrass, prickly lettuce, groundsel, chickweed, downy brome and bluegrass. o Apply when crop is dormant before spring growth begins and when weeds are less than 6 inches tall. o Do not apply more than 2.4 pts per acre per dormant season. o May be tank-mixed with Sinbar (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.
<u>NONCROP USES</u>	Broadcast or Spot Treatment	1.6-3.2 pints	Ground: 50 gal	-	<ul style="list-style-type: none"> o For use in noncrop areas such as public airports, electric transformer stations, pipeline pumping stations, around commercial buildings, storage yards and other installations, fence lines or similar noncrop areas. o Avoid contact with the foliage of ornamentals or desired plants. o Repeat as necessary.
<u>ONIONS</u> (seeded) and garlic	Preplant/Preemergence	1.6-3.2 pints	Ground: 20 gal	60 200 (CA only)	<ul style="list-style-type: none"> o Use the higher rate for heavy weed infestations or wild oat control. Apply only one application per season at the 3.2 pt per acre dosage. o Allow maximum weed and grass emergence prior to treatment but apply prior to crop emergence. o Apply a maximum of 3.2 pt. per acre per season.

Grazing or
Preharvest
Interval
(Days)

Crop	Use Pattern	GRAMOXONE EXTRA 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 of grasses or forage legumes or winter annuals	Broadcast or Banded Over-Row	0.8-1.6 pts	Ground: 20 gal Air: 3 gal	See Specific geographic recommendation	<p><u>West of Cascade and Sierra Nevada Mountains:</u></p> <ul style="list-style-type: none"> o Apply in October through December after first fall rains and after weeds have emerged and sod has started new growth. o For best seeding results, apply on moderately to heavily grazed areas. o Do not use in areas with heavy sod and weed growth. <p><u>East of Rocky Mountains:</u></p> <ul style="list-style-type: none"> o Use the 1.6-pint rate on vigorous or coarse sod species such as bromegrass. o See specific directions for use in the south and southeast for suppression of bermudagrass or bahiagrass sods. o Apply prior to, or at time of seeding grasses or forage legumes such as alfalfa, clover and birdsfoot trefoil. o Apply only to grazed or mowed pastures not more than 3 inches in height at time of treatment.

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
<u>PASTURE</u> <u>RESEEDING</u>	(Cont'd)	0.8 pts			<u>South and Southeast - Bermudagrass or Bahiagrass</u> <u>Sods - Late Summer or Early Fall Application for</u> <u>Sod Suppression when Seeding Winter Annuals:</u> o Apply in late summer or early fall to sod not exceeding 3 inches in height.
		0.8 pts			<u>Bermudagrass Pastures - Dormant Season Suppression</u> <u>of Emerged Weeds</u> o Apply during March o For control of little barley, apply before the mid-boot stage. o Do not mow for hay until 40 days after treatment.
For Control of Endo- phyte-Fungus-In- fected Fescue Forage Legume/Grass Mixture and Other Grass Pastures		0.8-1.6 pts followed by 0.8-1.6 pts			o Use split applications of 10 to 21 days apart if necessary. o Do not exceed 3.2 pints per acre total in preparation for reseeding. o For spring plantings, the initial application of 0.8 to 1.6 pts may be made the previous fall. o Apply when fescue is actively growing and no more than 4 inches high. o To reduce the infestation of endophyte-infested grass, do not allow fescue to go to seed starting with the preceding year's crop.

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
<u>PEANUTS</u>	Broadcast	6.5 oz. Second application 6.5 oz.	Ground: 20		<ul style="list-style-type: none"> o To control or suppress small (1-6") emerged annual grass and broadleaf weeds in peanuts at ground crack. A second application of 6.5 fl. oz./acre may be made up to 28 days after ground crack. o Make no more than two applications per crop and do not apply a total of more than 12.8 fl. oz. of product per crop. o Crop foliage sprayed will be injured in the form of bronzing and crinkling but the crop will recover and develop normally. o For improved control of weeds such as cocklebur, bristly starbur, smartweed and prickly sida, tank mix GRAMOXONE EXTRA with Basagran at 1 pint/acre. o This tank mix should be applied at the ground crack stage of peanuts. A second application may be made up to 28 days after application. o Make no more than two applications per crop and do not apply a total of more than 12.8 fl. oz. of product per crop. o Crop foliage sprayed will be injured in the form of bronzing and crinkling but the crop will recover and develop normally. o Refer to the Basagran label for specific use directions, limitations, cautions and for a list of weeds controlled. o Do not apply this tank mix if peanuts show injury (leaf phytotoxicity and /or plant stunting) produced by any other herbicide treatment as injury may be enhanced and/or prolonged. o Do not apply this tank mix during prolonged periods of drought or unseasonably cold weather as unsatisfactory weed control may result.
<u>PEANUTS</u> (Tank mix with Basagran)	Broadcast	6.5 oz. Second application 6.5 oz.	Ground: 20		

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Grazing or
 Preharvest
 Interval
 (Days)

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Precautions, Restrictions and Comments
<u>PEANUTS</u> (Tank mix with Butyrac or Butoxone 200)	Broadcast	6.5 oz. Second Application 6.5 oz.	Ground: 20	<ul style="list-style-type: none"> o For improved control of weeds such as cocklebur, sicklepod and morningglory tank mix GRAMOXONE SUPER with 8-16 oz. (0.125-0.25 lbs) per acre of Butyrac or Butoxone 200. o Make no more than two applications per crop and do not apply a total of more than 12.8 fl. oz. of product per crop. o Crop foliage sprayed will be injured in the form of bronzing and crinkling but the crop will recover and develop normally. o Refer to the complete Butyrac or Butoxone 200 label for specific use directions, limitations, cautions and for a list of weeds controlled.

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
<u>PIDGEON PEAS</u> (Puerto Rico only)	Directed Spray	1.6 pts	Ground: 20 gal	60	<ul style="list-style-type: none"> o Avoid contact with pidgeon pea foliage. o Do not make more than 1 application per season. o Do not graze treated areas or feed treated forage to livestock. o Cannery waste can be fed to livestock.
<u>PINEAPPLE</u>	Directed Spray	1.6-3.2 pints	Ground: 50 gal	20	<ul style="list-style-type: none"> o Retreatment may be necessary on more mature weeds.
<u>POTATO</u> Preplant or Preemergence	Broadcast	0.8-1.6 pints	Ground: 30 gal Air: 5 gal	-	<ul style="list-style-type: none"> o Do not apply later than ground cracking, before potatoes have emerged.
Preplant (California only) (Used alone)	Broadcast	6.5-12.8 fl oz	Ground: 20 gal Air: 5 gal		<ul style="list-style-type: none"> o For control of volunteer barley in preformed seedbeds.
Preharvest vine killing and weed desiccation (Except Northern Alabama; Counties of Marshall, DeKalb, Jackson and Cherokee)	Broadcast	0.8-1.6 pints	Ground: 50 gal	3	<ul style="list-style-type: none"> o Begin application when leaves begin to turn yellow. o Immature or drought-stressed potato foliage are tolerant to GRAMOXONE EXTRA. Desiccation will not be complete under these conditions. o Use 1.6 pts./Acre rate where quick vine kill is desired. o Use two applications of 0.8 pts./Acre when vine growth is dense. Split applications must be applied a minimum of five days apart. o Do not pasture livestock in treated potato fields. o Do not use on muck or peat soils to avoid injury to subsequent crops. o 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 germinate and grow normally. o Do not exceed 3.2 pts./Acre per season.

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
RESIN SOAKING (Pines)	See Page 32-33				
SMALL FRUITS Blackberries Boysenberries Raspberries Blueberries	Postemergence Directed Spray	1.6-3.2 pints	Ground: 50 gal	-	<ul style="list-style-type: none"> o Apply before emergence of new canes or shoots as injury to those canes or shoots can occur. o Apply as a course spray to avoid crop injury from fine spray mist.
Strawberries	Postemergence Directed Spray	1.6 pints	Ground: 20 gal	21	<ul style="list-style-type: none"> o Apply by directing spray between the rows and using shields to prevent spray contact with crop plants. o Do not allow spray to contact strawberry plants as injury or excessive residues may result. o Do not apply more than 3 times per season. o Do not graze livestock in treated areas.
SMALL GRAINS (Barley, wheat) Preplant or Preemergence	Broadcast or Banded Over Row	Weeds 1-3": 0.8-1.2 pts Weeds 3-6": 1.2-1.6 pts Weeds 6": 1.6-3.2 pts	Ground: 20 gal Air: 5 gal	20 gal	<ul style="list-style-type: none"> o Do not graze livestock in treated areas or harvest for forage or hay.
CHEMICAL FALLOW (Use during fallow periods in wheat- fallow, wheat-annual crop, and continuous wheat cropping systems)	Broadcast	0.8-1.6 pints	Ground: 10 gal Air: 5 gal	-	<ul style="list-style-type: none"> o Use higher spray volumes for better coverage as density of stubble, crop residue or weeds increase. o The addition of Banvel or 2,4-D may aid in the suppression of emerged perennial broadleaf weeds and large annual broadleaf weeds. o For extended weed control during the fallow period, tank mixes with registered residual herbicide combinations are permissible. o Refer to 2,4-D, Banvel or residual herbicide label(s) for directions, limitations, cautions and for a listing of weeds controlled. o Weeds taller than 6 inches may not be controlled.

Grazing or
Preharvest

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Interval (Days)	Precautions, Restrictions and Comments
<u>SORGHUM</u> (Grain)	Preplant/ Preemergence Broadcast or Band Application	Weeds 1-3": 0.8-1.2 pts Weeds 3-6": 1.2-1.6 pts Weeds 6": 1.6-3.2 pts	Ground: 5 gal	20 gal	<ul style="list-style-type: none"> o Seedbeds should be formed as far ahead of planting as possible to allow maximum weed and grass emergence. o Seeding should be done with a minimum amount of soil disturbance.
(Tank mixes with Atrazine, Milogard & 2-4D)	Preplant or Preemergence				<ul style="list-style-type: none"> o GRAMOXONE EXTRA may be tank-mixed with Atrazine, Igran 80W or Milogard for improved preemergence or residual weed control. The addition of 2,4-D (ester) may aid in the suppression of perennial and annual broadleaf weeds emerged at the time of application. Refer to the specific tank mix herbicide label(s) for rates, directions, limitations, and cautions and a list of weeds controlled.
	Postemergence Directed Applications	0.8-1.6 pints	Ground: 20 gal		<ul style="list-style-type: none"> o 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 o 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. o Some crop injury will occur. The degree of injury is related to the precision of application and spraying conditions.

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments																		
<u>SOYBEANS</u>	Preplant/ Preemergence	Weeds 1-3": 0.8-1.2 pts Ground: Weeds 3-6": 1.2-1.6 pts Air: Weeds 6": 1.6-3.2 pts	5 gal	20 gal	<ul style="list-style-type: none">o Apply as a broadcast spray before, during or after planting, but before crop emergence.o For improved burndown or residual control, GRAMOXONE EXTRA may be tank-mixed with the following herbicides:<table><tr><td>2,4-DB</td><td>Lasso</td><td>Preview</td></tr><tr><td>Canopy</td><td>Lexone</td><td>Prowl</td></tr><tr><td>Dual</td><td>Linex</td><td>Scepter</td></tr><tr><td>Gemini</td><td>Lorox</td><td>Sencor</td></tr><tr><td>Goal</td><td>Lorox Plus</td><td>Surflan</td></tr><tr><td>Modown</td><td>Turbo</td><td></td></tr></table> <p>The rate of GRAMOXONE EXTRA to be used in these tank mixtures is dependent on weed height and growing conditions. Use the highest recommended rate of GRAMOXONE EXTRA under 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.</p> <ul style="list-style-type: none">o 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.o Seeding should be done with a minimum amount of soil disturbance.	2,4-DB	Lasso	Preview	Canopy	Lexone	Prowl	Dual	Linex	Scepter	Gemini	Lorox	Sencor	Goal	Lorox Plus	Surflan	Modown	Turbo	
2,4-DB	Lasso	Preview																					
Canopy	Lexone	Prowl																					
Dual	Linex	Scepter																					
Gemini	Lorox	Sencor																					
Goal	Lorox Plus	Surflan																					
Modown	Turbo																						
Tank mix w/2,4-D ester	Preplant/ Preemergence	Weeds 1-3": 0.8-1.2 pts Ground: Weeds 3-6": 1.2-1.6 pts Air: Weeds 6": 1.6-3.2 pts	20 gal 5 gal		<ul style="list-style-type: none">o Apply at least 30 days prior to planting. Do not use the amine formulation as GRAMOXONE SUPER activity may be reduced.o May be tank mixed with residual herbicides listed above.o Refer to the 2,4-D ester label for a list of rates, directions, limitations and cautions and for a list of weeds controlled.																		

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
SOYBEANS (Cont'd)					
Directed Spray	Postemergence	3.2-6.4 oz.	20 gal	-	<ul style="list-style-type: none"> o For control of seedling johnsongrass, crabgrass, goosegrass, brachiaria, Texas millet and pigweed less 2 inches tall, use the lower rate of GRAMOXONE EXTRA. o For control of the above grasses up to 4 inches tall or pigweed up to 3 inches tall, use the higher rate of GRAMOXONE EXTRA. o Do not treat if soybeans are less than 8 inches tall. o 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 spray. o Do not exceed 30 psi nozzle pressure or spray under conditions which may cause excessive drift. o Some crop injury will occur. The degree of injury is related to the precision of application and spraying conditions. o Do not graze treated areas or feed treated forage to livestock. o If needed make a second and final application 7-14 days later.
	Harvest Aid	6.5-12.8 oz.	Ground: 20 gal Air: 3 gal	-	<ul style="list-style-type: none"> o Indeterminate varieties: Apply when at least 65% of the seed pods have reached a mature brown color or when seed moisture is 30% or less. o Determinate varieties: Apply when plants are mature, i.e., beans are fully developed, $\frac{1}{2}$ of leaves have dropped, and remaining leaves are yellowish. o Immature soybeans will be injured. o Mature cocklebur, especially drought-stressed plants, are tolerant to GRAMOXONE EXTRA and desiccation will not be complete. Always use the higher rate for cocklebur. o Do not pasture livestock in treated areas within 15 days after treatment. Remove livestock from

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Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
<u>SUGARCANE</u>					
	Postemergence Directed Spray				<p><u>General Comments:</u></p> <ul style="list-style-type: none"> o Apply as a shielded or directed spray to avoid contact with cane foliage to prevent leaf burn and yield reduction. o Make a second and final application, if necessary, when new weed growth is 2-6 inches high. o Do not graze treated areas or feed treated forage to livestock. o For optimum results, apply in early spring (March-April) when weeds are small. o Do not apply after June 1 as cane growth may be stunted and yields reduced. o Do not apply after cane rows have closed in. o For tiller control, apply when tillers are less than 18 inches high. o Use the higher rate for heavier weed infestations or tiller growth. o Use higher rate undercool, cloudy weather conditions. o Apply 3-14 days before burning and harvest.
--- Florida ---		1.6 pints	Ground: 50 gal		
--- Hawaii ---		1.6 pints	Ground: 20 gal		
--- Louisiana ---		0.8-2.4 pints	Ground: 20 gal	30	
---Florida & Texas---	Harvest Aid	6.5-12.8 fl oz	Air: 4 gal		
<u>SUNFLOWER AND SAFFLOWER</u>					
Preplant or Preemergence	Broadcast or banded over row	1.6-3.2 pints	Ground: 20 gal Air: 5 gal	-	
Preharvest Dessiccation (All seed sunflower varieties only)	Broadcast	0.8-1.6 pts	Ground: 20 gal Air: 5 gal	7	<ul style="list-style-type: none"> o Apply when sunflower seeds reach physiological maturity (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.

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
<u>SUNFLOWER AND SAFFLOWER</u> (Cont'd)					
Preplant (California only) (Safflower only)	Broadcast	6.5-12.8 fl oz	Ground: 20 gal Air: 5 gal		o For control of volunteer barley in preformed seedbeds.
<u>TREES AND VINES</u>					
Orchards, Vineyards, Windbreak, Shade & Ornamental Trees					
Acerola Almonds Apples Apricots Avocados Bananas Cherries Citrus Coffee Figs Filberts Grapes Kiwi Fruit Macadamia Nuts Nectarines Olives	Directed Spray	1.6-3.2 pints	Ground: 30 gal	Kiwi Fruit: 14 Pistachios: 7 All Others: __	o Do not allow spray to contact green stems (except suckers), fruit or foliage. o Use a shield or wrap plant when spraying around young trees or vines. o Do not graze treated areas. o Do not feed cover crops grown in treated areas to livestock. o Do not apply when figs, nuts or olives to be harvested are on the ground. o For grapes - treat when sucker growth is no more than 8" long. o For kiwi fruit - Do not treat more than 3 times per year o For pistachios - Do not exceed two applications after shells split. o For mature woody weeds, perennial weeds, late

Grazing or
Preharvest
Interval
(Days)

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Interval (Days)	Precautions, Restrictions and Comments
<u>TREES AND VINES</u> (Cont'd)					
Papayas					germinating weeds and green suckers, retreatment or spot treatment may be necessary.
Peaches					
Pears					
Pecans					
Pistachios					
Plums					
Prunes					
Tank Mixes	Directed Spray	1.6-3.2 pts.	Ground: 30 gal.	Refer to other TM labels	<ul style="list-style-type: none"> o GRAMOXONE EXTRA 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. o GRAMOXONE EXTRA may be tank mixed with the following herbicides: <ul style="list-style-type: none"> Goal Surflan Devrinol Solican Princep Karmex
Walnuts					
Other shade and ornamental trees such as arborvitae, ash, elm, fir, oak, pine, etc.					

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Grazing or
Preharvest
Interval
(Days)

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre		Precautions, Restrictions and Comments
<u>GUAVA</u>	Directed Spray	3.2 pints	Ground: 50 gal	-	<ul style="list-style-type: none"> o Do not allow spray to contact green stems, fruit or foliage. o Do not graze treated areas. o Do not feed cover crops grown in treated areas to livestock. o For mature woody weeds, late-germinating weeds and grasses, and perennials, retreatment or spot spraying may be necessary.
<u>HOPS</u> (ID,OR, & WA only)	Directed Spray and/or Suckering and Stripping	1.6 pints	Ground: 20 gal	14	<ul style="list-style-type: none"> o Do not apply to hop vines less than 6 ft. tall. o Retreatment or spot treatment may be necessary. o Do not apply more than 3 times per season. o Do not allow spray to contact green stems, foliage, flowers, or cones as injury may result. o Do not allow animals to graze in treated hopyards. o Hop vine refuse and silage may be fed to livestock. o For suckering and stripping, spray only the basal 2 ft. of the vines. Repeat as necessary.

15644

Crop	Use Pattern	GRAMOXONE EXTRA Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Precautions, Restrictions and Comments
<u>HOPS</u> (Cont'd) (ID,OR, & WA only)					<ul style="list-style-type: none"> o Experience with varieties other than CASCADE, YAKIMA CLUSTER, and BULLION is limited. If using GRAMOXONE EXTRA 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.
<u>PASSION FRUIT</u>	Directed Spray	3.2 pints	Ground: 50 gal		<ul style="list-style-type: none"> o Use a shield or wrap vine if bark is still green at application time. o If application is to be made during harvest season, pick all fruit off the ground prior to application. o Do not allow animals to graze on treated areas. o Retreatment or spot treatment may be necessary.
<u>TYZON</u> (New Hampshire only)	Preplant Preemergence	1.6-3.2 pints	Ground: 20		<ul style="list-style-type: none"> o Seeding should be done with a minimum of soil disturbance. o Weeds and grasses emerging after treatment will not be controlled. o Crop plants emerged at time of application will be injured.
<u>VEGETABLES</u> (Seeded or Transplanted)					
Beans (Lima, Snap)	Preplant	1.6-3.2 pints	Ground: 20 gal		<ul style="list-style-type: none"> o Seedbeds or plantbeds should be formed as far ahead of treatment as possible to permit maximum weed emergence.
Broccoli	Preemergence				<ul style="list-style-type: none"> o Applications can be made as a banded or broadcast treatment before, during or after planting but prior to the crop emergence.
Cabbage					<ul style="list-style-type: none"> o Use the higher rate for heavier weed infestations.
Cantaloupe					<ul style="list-style-type: none"> o Seeding or transplanting should be done with a minimum amount of soil disturbance.
Carrots					<ul style="list-style-type: none"> o Crop plants emerged at time of application will be killed.
Cauliflower					
Chinese Cabbage					
Collards					
Cucumber					

1585h

Grazing or
 Preharvest
 Interval
 (Days)

<u>Crop</u>	<u>Use Pattern</u>	<u>GRAMOXONE EXTRA Rate Per Acre</u>	<u>Minimum Total Spray Per Acre</u>		<u>Precautions, Restrictions and Comments</u>
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VEGETABLES

Eggplant
 Lettuce
 Musk Melons
 Peas
 Peppers
 Pumpkin
 Squash
 Sugar beets
 Sweet Corn
 Turnips
 Tomatoes
 Watermelon

VEGETABLES

Tomatoes
 Peppers
 (Middle Atlantic,
 Southeast, South
 Central Regions,
 and Southwest to
 the Western
 Border of Texas)

Directed
 Spray

1.6 pints

Ground: 20 gal

- o For control or suppression of emerged weeds between rows after crop establishment.
- o 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.
- o Apply when weeds are succulent and weed growth is less than 6 inches.
- o Do not apply more than 3 applications per season.
- o Do not allow animals to graze in treated areas.

15697

Grazing or
Preharvest
Interval
(Days)

<u>Crop</u>	<u>Use Pattern</u>	<u>GRAMOXONE EXTRA Rate Per Acre</u>	<u>Minimum Total Spray Per Acre</u>		<u>Precautions, Restrictions and Comments</u>
<u>VEGETABLES</u>					
Sweet corn	Directed Spray	0.8 pints	Ground: 20 gal		<ul style="list-style-type: none"> o Apply when corn is at least 10 inches tall. Arrange nozzles to spray no higher than the lower 3 inches of the corn plant. o Corn plants shorter than 10 inches may be injured and not recover (corn height measured from soil surface to top of whorl).
<u>VEGETABLES</u> (California only)					
Lettuce Melon Sugar beets Tomatoes	Broadcast	6.5-12.8 fl oz	Ground: 20 gal Air: 5 gal		<ul style="list-style-type: none"> o For control of volunteer barley in preformed seedbeds.
<u>VEGETABLES</u>					
Rhubarb	Dormant	1.6-3.2 pints	Ground: 50 gal		<ul style="list-style-type: none"> o Apply during dormant season before buds in crown begin to grow. o Do not make more than 2 applications per season.

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Spikeweed (4 in. tall or less)	6.5 fl oz	0.8-1.2 pts
Volunteer Small Grain (8 in. tall or less)	6.5 to 12.8 fl oz	1.6 pts
Fiddleneck (6 in. tall or less)	6.5 to 12.8 fl oz	1.6 pts
Shepherdspurse	0.8-1.6 pts	-
Annual Bluegrass	-	0.8-1.6 pts
Chickweed	-	0.8-1.6 pts
Red Maids (6 in. tall or less)	-	0.8-1.6 pts

Do not use the 6.5 fl oz rate unless the alfalfa has at least 3 trifoliate leaves; the 0.8 pt rate unless the alfalfa has 6 trifoliate leaves; or rates over 0.8 pts 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 GRAMOXONE EXTRA 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 GRAMOXONE EXTRA Herbicide not sooner than three years after a commercial thinning.

Application Directions - Apply GRAMOXONE EXTRA 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 tree trunk 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-inch wide streak of bark about 1 to 2 feet from ground level.

The total length should not exceed $\frac{1}{3}$ of the tree circumference. Multiple streaks or cuts can result in serious girdling of the trunk and premature death of the tree. A coarse spray (about 2 to 6 ml.) of GRAMOXONE EXTRA Herbicide 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 acid bottle. The amount of spray required per cut depends on tree circumference and the length of cut or streak ($\frac{1}{3}$ 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% GRAMOXONE EXTRA Herbicide solution will result in application of 60 or 120 mg. GRAMOXONE EXTRA Herbicide per streak.

Tree Injection: Pressure injections of 1% to 4% GRAMOXONE EXTRA 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 $\frac{1}{3}$ of the tree circumference or no closer than 3 inches apart all around the tree. From 0.2 ml to 0.4 ml of GRAMOXONE EXTRA Herbicide solution is applied per injection. Using 2% to 4% GRAMOXONE EXTRA Herbicide solution, this results in 36 to 144 mg GRAMOXONE EXTRA Herbicide applied per 9-inch diameter tree, for holes spaced 1 inch apart around $\frac{1}{3}$ of the tree or 3 inches apart all around the tree.

Bore Holes: $\frac{3}{8}$ to $\frac{5}{8}$ 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% GRAMOXONE EXTRA 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 GRAMOXONE EXTRA 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 GRAMOXONE EXTRA Herbicide per tree. Bore hole applications in the range of 45 to 100 mg GRAMOXONE EXTRA 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.

Interval Between Treatment and Tree Harvest: The interval between application of GRAMOXONE EXTRA 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 GRAMOXONE EXTRA 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:

GRAMOXONE EXTRA Herbicide treatment can result in reduced stem growth during the interval between treatment and tree harvest.

Dilution Table for GRAMOXONE EXTRA Herbicide (2.5 lbs. cation per gallon)

Concentration of Cation Desired (Wt./Wt. Basis)	To 3/4 Gal. of GRAMOXONE EXTRA 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