2866-1	(	062	21/2012	/ `` (	1		
AGENCY PSTAN	US ENVIRONMENTAL PROTECTION AGENC Office of Pesticide Programs Registration Division (7504P)			EPA Registration Number	Date of Issuance		
HRWIN PROTECTION	Ariel Ric 1200 Pennsy	s Building	NW	82866-1	JUN 2 1 2012		
	NOTICE OF PESTICI	DE		Term of Issuance Unconditional			
	Reregistration	n		Name of Pesticide F	Product		
	(under FIFRA as amende	ed)		Paraquat 3SL	- Herbicide		
Name and Address	s of Registrant (include ZIP	Code)		·			
Greenleaf Chemi 2352 Schaeffer H							
Henderson NV							
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## **RESTRICTED USE PESTICIDE**

DUE TO ACUTE TOXICITY 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

## PARAQUAT 3SL HERBICIDE

Defoliant and desiccant herbicide for the control of weeds and grasses and as a harvest aid

- NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS
- IF SWALLOWED, TAKE IMMEDIATE ACTION AS PRESCRIBED IN FIRST AID
- SYMPTOMS ARE PROLONGED AND PAINFUL
- DO NOT USE OR STORE IN OR AROUND THE HOME
- DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE
- THE ODOR OF THIS PRODUCT IS FROM THE STENCHING AGENT WHICH HAS BEEN ADDED, NOT FROM PARAQUAT

#### Active Ingredient

Paraquat dichloride (1 1 -dimethyl-4-4 - Bipyridi	nium dichloride) 43 8%	
Other Ingredients	56 2%	
Total	100 0%	
Contains 3 0 pounds paraquat cation per galloi	n as 4 143 pounds salt per gallon	Contains
stench (odor) and emetic		

## KEEP OUT OF REACH OF CHILDREN

#### DANGER/PELIGRO



POISON

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle (If you do not understand the label find someone to explain it to you in detail)

### EPA Reg No 82866-XX

EPA Est 70552-TWN-001

Net Contents 2 5 30 110 250 gallon and bulk

[Batch Code to appear on label or immediate container depending on size and container type]

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## [FRONT PANEL CONTINUED]

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	FIRST AID
	Contains Paraquat, a Bipyridinium Herbicide
Have the p	roduct or label with you when calling a poison control center or doctor, or going for treatment
If swallowed	<ul> <li>Call a poison control center or doctor IMMEDIATELY for treatment advice</li> <li>SPEED IS ESSENTIAL Immediate medical attention is required If available give an absorbent such as activated charcoal bentonite or Fullers Earth</li> <li>Have person sip a glass of water if able to swallow</li> <li>Do not induce vomiting unless told to by a poison control center or doctor</li> <li>Do not give anything by mouth to an unconscious person</li> </ul>
lf inhaled	<ul> <li>Move person to fresh air</li> <li>The odor of this product is from the stenching agent which has been added not from the paraquat</li> <li>If person is not breathing call 911 or an ambulance</li> <li>Call a poison control center or doctor for treatment advice</li> </ul>
lf in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes</li> <li>Remove contact lenses if present after the first 5 minutes then continue rinsing eye</li> <li>Call a poison control center or doctor for treatment advice</li> </ul>
lf on skin or clothing	<ul> <li>Take off contaminated clothing</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes</li> <li>Call a poison control center or doctor for treatment advice</li> </ul>
solution 1 liter for administration of splashes from co possibility of late an eye specialist	
· · · · · · · · · · · · · · · · · · ·	HOT LINE NUMBER
	dical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill cident) Call CHEMTREC 1-800-424-9300

See [back][side] panel[s] for additional precautionary statements

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## **Precautionary Statements**

#### Hazards to Humans and Domestic Animals

**DANGER** May be fatal if swallowed Fatal if inhaled Do not breathe spray mist. Wear a dust mist respirator Causes irreversible eye damage. Wear protective eyewear. Do not get in eyes or on clothing Harmful if absorbed through skin. Avoid contact with skin **IMPORTANT** Inhalation is an unlikely route of exposure due to low vapor pressure and large spray droplet size but mucosal irritation or nose bleeds may occur. Prolonged contact with this concentrated product can irritate your skin.

#### Personal Protective Equipment (PPE)

#### Applicators and other handlers (other than mixers and loaders) must wear

- Long-sleeved shirt and long pants
- Chemical Resistant Gloves Category A (e g barrier laminate butyl rubber nitrile rubber neoprene rubber natural rubber polyethylene polyvinyl chloride (PVC) or viton)
- Shoes plus socks
- Protective eyewear
- A dust mist NIOSH-approved respirator with any N R P or HE filter

#### Mixers and loaders must wear

- Long-sleeved shirt and long pants
- Chemical Resistant Gloves Category A (e.g. barrier laminate butyl rubber nitrile rubber neoprene rubber natural rubber polyethylene polyvinyl chloride (PVC) or viton)
- Shoes plus socks
- Dust mist NIOSH-approved respirator with ANY N R P or HE filter
- Chemical resistant apron
- Face Shield

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product s concentrate. Do not reuse them. Follow manufacturer s instructions for cleaning/maintaining PPE. If no such instructions for washables exist use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **Engineering Controls**

When handlers use closed systems enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170 240(d)(4-6)] the handler PPE requirements may be reduced or modified as specified in the WPS

#### User Safety Recommendations Users should

- Wash hands before eating drinking and chewing gum using tobacco or using the toilet
- Remove clothing/PPE immediately if pesticide gets inside Then wash thoroughly and put on clean clothing
- Remove PPE immediately after handling this product Wash the outside of gloves before removing As soon as possible wash thoroughly and change into clean clothing

#### **Environmental Hazards**

This product is toxic to wildlife Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark Do not contaminate water when cleaning equipment or disposing of equipment wash waters

Paraquat dichloride is toxic to nontarget crops and plants if off-target movement occurs because it desiccates all green plant tissue Extreme care must be taken to ensure that off-target drift is minimized to the greatest extent possible Refer to the local state laws regulations guidelines and spray drift information contained in the Directions for Use section for proper application to avoid off-target movement. 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 treated areas. To avoid drift do not make aerial application during periods of thermal inversion.

#### Physical and Chemical Hazards

This product is mildly corrosive to aluminum and produces hydrogen gas which may form a highly combustible gas mixture. Do not mix or store in containers spray tanks nurse tanks or such systems made of aluminum or having aluminum fittings. This product is compatible with high density polyethylene and rubber lined steel containers.

#### **DIRECTIONS FOR USE**

**Restricted Use Pesticide** It is a violation of Federal law to use this product in a manner inconsistent with its labeling

Do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe consult the agency responsible for pesticide regulation.

## DO NOT USE AROUND HOME GARDENS, SCHOOLS, RECREATIONAL PARKS, GOLF COURSE OR PLAYGROUNDS

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard 40 CFR part 170 This Standard contains requirements for the protection of agricultural workers on farms forests nurseries and greenhouses and handlers of agricultural pesticides. It contains requirements for training decontamination notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to use of this product that are covered by the Worker Protection Standard

For chemical fallow, early postemergence broadcast in peanuts and dormant season applications, and "between cutting" applications in alfalfa Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours

For preplant or preemergence (broadcast or banded), postemergence directed spray applications and harvest aid and desiccation application. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants soil or water is

- Coveralls
- Shoes plus socks
- Protective eyewear

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170) The WPS applies when this product is used to produce agricultural plants on farms forests nurseries or greenhouses

**DO NOT** enter or allow others to enter the treated area until sprays have dried

AVOID working in spray mist

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

#### STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

**Pesticide Storage** Store in original container and place in a locked storage area. Do not mix or store in containers spray tanks nurse tanks or such systems made of aluminum or having aluminum fittings. Store at temperatures above 32 F. For Emergencies involving a Spill Leak Fire Exposure or Accident Contact CHEMTREC at (800) 424-9300

**Pesticide Disposal** Pesticide wastes are acutely hazardous Improper disposal of excess 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 Do not reuse container as container is not safe for food, feed or drinking water<sup>1</sup>

#### [2 5 gal non-refillable, rigid ]

Non-refillable container Do not reuse or refill this container Triple rinse container (or equivalent) promptly after emptying Triple rinse as follows Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip Fill the container 1/4 full with water and recap Shake for 10 seconds Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal Drain for 10 seconds after the flow begins to drip Repeat this procedure two more times Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities

#### [30 gal non-refillable, rigid ]

Non-refillable container Do not reuse or refill this container Triple rinse container (or equivalent) promptly after emptying Triple rinse as follows Empty the remaining contents into application equipment or a mix tank Fill the container ¼ full with water Replace and tighten closures Tip container on its side and reli it back and forth ensuring at least one complete revolution for 30 seconds Stand the container on ts and reli it back and forth several times Turn the container over onto its other end and tip it back and torth several times Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure two more times. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities

#### [30 gal and 110 gal refillable, rigid ]

Refillable container Refill this container with Paraquat Dichloride only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal empty the remaining contents from this container into application equipment or mix tank of the container into application.

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Fill the container about 10 percent full with water Agitate vigorously or recirculate water with the pump for 2 minutes Pour or pump rinsate into application equipment or rinsate collection system Repeat this rinsing procedure two more times. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

**[250 gal non-refillable, rigid ]** Non refillable container Do not reuse or refill this container Triple rinse as follows Empty the remaining contents into application equipment or a mix tank Fill the container ¼ full with water Replace and tighten closures Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 seconds Stand the container on its end and tip it back and forth several times Turn the container over onto its other end and tip it back and forth several times Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure two more times Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities

**[250 gal refillable, rigid ]** Refillable container Refill this container with Paraquat Dichloride only Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiler. To clean the container before final disposal empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

[Bulk (tank truck), return No container type statement and instructions for residue removal are required ]

## USE INSTRUCTIONS AND INFORMATION

#### Do not apply this product through any type of irrigation system

When PARAQUAT 3SL HERBICIDE is applied at less than 10 gallons per acre finished spray volume, a drift control or spray deposition additive SHOULD be used Always refer to the additive label for rates of applications, directions for use, limitations and restrictions

#### **Spray Drift Information**

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

- 1 The distance of the outer most nozzles on the boom must not exceed <sup>3</sup>/<sub>4</sub> the length of the wingspan or rotor
- 2 Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45°

Where states have more stringent regulations they shall be observed

The applicator should be familiar with and take into account the information covered in the **Aerial Drift Reduction Advisory Information** 

# AERIAL DRIFT REDUCTION ADVISORY INFORMATION Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets The best management strategy is to apply the largest droplets that provide sufficient coverage and control Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly, or under unfavorable environment conditions (see Wind, Temperature and Humidity, and Temperature Inversions)

#### **Controlling Droplet Size**

- Volume Use high flow rate nozzles to apply the highest spray volume Nozzles with higher rated flows produce larger droplets
- **Pressure** Do not exceed the nozzle manufacturer's recommended pressures For many nozzle types lower pressure produces larger droplets When higher flow rates are needed use higher flow rate nozzles instead of increasing pressure
- Number of Nozzles Use the minimum number of nozzles that provide uniform coverage
- Nozzle Orientation Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice Significant deflection from horizontal will reduce droplet size and increase drift potential
- Nozzle Type Use a nozzle that is designed for the intended application With most nozzle types, narrower spray angles produce droplets Consider using low-drift nozzles Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift

#### **Boom Length**

For some use patterns reducing the effective boom length to less than <sup>3</sup>/<sub>4</sub> of the wingspan or rotor length may further reduce drift without reducing swath width

#### **Application Height**

Applications must not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making application at the lowest height that is safe reduces exposure of droplets to evaporation and wind

### Swath Adjustment

When applications are made with a crosswind the swath will be displaced downwind Therefore, on the up and downwind edges of the field the applicator must compensate for this displacement by adjusting the path of the aircraft upwind Swath adjustment distance should increase with increasing drift potential (higher wind smaller drops etc.)

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#### Wind

Drift potential is lowest between wind speeds of 2-10 mph However, many factors, including droplet size and equipment type determine drift potential at any given speed Application must be avoided below 2 mph due to variable wind direction and high inversion potential NOTE Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect spray drift

#### **Temperature and Humidity**

When making applications in low relative humidity set-up equipment to produce larger droplets to compensate for evaporation Droplet evaporation is most severe when conditions are both hot and dry

#### **Temperature Inversions**

Applications must not occur during a temperature inversion because drift potential is high Temperature inversions restrict vertical air mixing which causes small suspended droplets to remain in a concentrated cloud This cloud can move in unpredictable directions due to the light variable winds common during inversions Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind They begin to form as the sun sets and often continue into the morning Their presence can be indicated by ground fog however, if fog is not present inversions can also be identified by the movement of smoke from a ground source or an aircraft generator Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion while smoke that moves upward and rapidly dissipates indicates good vertical air mixing

#### **Sensitive Areas**

The pesticide must only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas bodies of water known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas)

#### **USE INFORMATION**

#### APPLICATION

PARAQUAT 3SL HERBICIDE is a contact herbicide is for control or suppression of a broad spectrum of emerged weeds including most annual small broadleaf and grass weeds lt can also be used to suppress perennial weeds by destroying green foliage and as a desiccant/defoliant at harvest

Complete coverage of target weeds is necessary to get good control because PARAQUAT 3SL HERBICIDE is a contact-type herbicide lt is also necessary to obtain complete coverage for good crop desiccation and defoliations. Undesirable weed control and undesirable crop desiccation/defoliation will result if improper application technique and/or application to large, stressed or mown weeds are made. Refer to the following details for specific application instructions

PARAQUAT 3SL HERBICIDE is a liquid formulation containing 3 lbs of active ingredient per gallon. It contains a nontoxic odor to help prevent accidental ingestions. It also contains an emetic (an agent which will induce vomiting if the product is swallowed)

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Through coverage of all green foliage is required for efficacious weed control and crop defoliation and desiccation because PARAQUAT 3SL HERBICIDE requires actively growing green plant tissue to function Drought-stressed weeds, weeds with little green foliage (i e mowed or cut weeds), or mature woody bark of trees and vines are unaffected by application with PARAQUAT 3SL HERBICIDE

There is no residual soil activity to affect later-planted crops or later germinating weeds because clay and organic matter rapidly tie up PARAQUAT 3SL HERBICIDE

#### **ROTATIONAL CROPS**

After the last application PARAQUAT 3SL HERBICIDE all rotational crops may be planted immediately

#### RAINFASTNESS

Rain occurring 30 minutes or more after application will have no effect on the activity of PARAQUAT 3SL HERBICIDE because it is rapidly absorbed by the weed foliage

#### USE OF A NONIONIC SURFACTANT OR CROP OIL CONCENTRATE

The following should always be added and be used at the recommended rates or there will be a reduction in efficacy of PARAQUAT 3SL HERBICIDE

**Nonionic Surfactant** Either add a nonionic surfactant containing 50-74% surface-action agent at 0 25% v/v (2 pts /100 gals) or add nonionic surfactant containing 75% or more surface-active agent at 0 125% v/v (1pt /100 gals), of the finished spray volume for groups applications Add a nonionic surfactant at 0 25% v/v (2 pts /100 gals) of the finished spray volume for aerial applications

**Crop Oil Concentrate** For ground applications, add a nonphytotoxic crop oil concentrate that contains15-20% approved emulsifier with 1 0% v/v (1 gal /100 gals) of the finished spray volume Add 1 pt of crop oil concentrate per acre for aerial applications For cotton harvest aid, do not use crop oil concentrate when using PARAQUAT 3SL HERBICIDE

#### NOZZLE SELECTION

The use of flat-fan nozzles is the most effective application of PARAQUAT 3SL HERBICIDE The use of flood nozzles may result in a reduction of weed control due to inadequate coverage because they produce large uneven droplets

**Use only flat fan nozzles** when spraying less than 20 gallons of spray carrier per acre using the following table

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#### Table 1 Nozzle Type and Spray Pressures and Setup

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

Reduced control will result if nozzles, pressures, or setups differ from the above chart

#### SPRAY CARRIER

PARAQUAT 3SL HERBICIDE may be inactivated by muddy water or suspension-type fertilizers containing clay Therefore always use clean water (free of mud or clay), clear liquid nitrogen or complete clear liquid fertilizers as the carrier when spraying PARAQUAT 3SL HERBICIDE Never use suspension-type fertilizers containing clay as the spray carrier Always use the higher rate of PARAQUAT 3SL HERBICIDE and surfactant if using a complete clear liquid fertilizer containing high phosphate levels as the spray carrier

**Note** It is important that when using liquid fertilizers such as 28% N as a spray carrier that nonionic surfactant still be used with PARAQUAT 3SL HERBICIDE The use of liquid fertilizer carriers are not substitutes for surfactants

#### **RATES OF PARAQUAT 3SL HERBICIDE**

With each use follow rates listed in the following tables When weeds are larger or are dense use the higher label rates For use as a harvest aid use the higher specified rate when crop vegetation is dense. Do not exceed 0 50 lbs a i /A in a minimum of 30 gallons of spray for broadcast applications with backpack sprayers.

#### SPRAY VOLUME

With each use follow minimum spray volumes listed in the following tables Spray volumes should be increased as necessary to obtain complete coverage of the target weed or plant without runoff from the foliage because the volumes listed are minimum volumes only

TARGET WEEDS SHOULD NOT EXCEED SIX INCHES IN HEIGHT WHEN SPRAYING LESS THAN 20 GALLONS OF SPRAY CARRIER PER ACRE

#### **Application Timing**

Applications should be made to small emerged weeds Larger weeds more than 6 inches in height may be more difficult to control than weeds 1 – 6 inches in height. If possible when green foliage is removed either from grazing or mowing allow the weeds to grow 2-4 inches in height. Also, during harvesting forage or grain crops before spraying, weeds present in the field are also cut. Therefore, raise cutter bars as high as possible from the ground to cut stubble and weeds at a greater height allowing sufficient green foliage to remain for applications



## **BURNDOWN OF GRASS COVER CROPS OR VOLUNTEER CEREALS**

The best results occur for control of grass cover crops or volunteer cereals when PARAQUAT 3SL HERBICIDE is applied prior to tillering or after boot stage, especially with a wheat cover crop or volunteer wheat Complete control may not be achieved with treatments made between tillering and boot stage Complete control of perennial cover crops should not be expected

#### **ENVIRONMENTAL CONDITIONS**

This product is active over a wide range of environmental conditions such as cool (below 55°), cloudy or overcast weather However these conditions will slow the activity of PARAQUAT 3SL HERBICIDE

#### SPOT SPRAYING

Refer to the following table if only small areas are to be sprayed with labeled applications

## If the Broadcast Rate Per Acre for PARAQUAT 3SL HERBICIDE is Add The Following Amount of PARAQUAT 3SL HERBICIDE to 1 Gallon of Water 1 1/2 pts 1/3 fl oz 2 pts 3/8 fl oz 2 1/2 pts 1/2 fl oz 3 pts 2/3 fl oz

#### Mixing Instructions for Small Quantities for Spot Spraying

Add  $\frac{1}{3} - \frac{1}{2}$  fl oz of a nonionic surfactant for each gallon of spray at all times Thoroughly wet the foliage, but not to the point of runoff when spot spraying in this manner

## TANK MIXING ENHANCED BURNDOWN OF DIFFICULT-TO-CONTROL WEEDS AND FOR RESIDUAL WEED CONTROL

#### Photosynthetic Inhibitor Herbicides

To control difficult weeds tank mix PARAQUAT 3SL HERBICIDE with other herbicides The addition of other photosynthetic inhibitors (PSI) herbicides will slow the activity of PARAQUAT 3SL HERBICIDE This allows PARAQUAT 3SL HERBICIDE to thoroughly distribute throughout a treated leaf thus achieving better control then if PARAQUAT 3SL HERBICIDE is applied alone

PARAQUAT 3SL HERBICIDE may be applied in tank mixture with the following PSI herbicides

AAtrex® Herbicide Atrazine Herbicide Bicep MAGNUM® Herbicide Bicep Lite II MAGNUM® Herbicide Canopy® Herbicide Lariat® Herbicide Lexone® Herbicide Linex® Herbicide Lorox® Herbicide Lorox Plus™ Herbicide Princep® Herbicide Sencor® Herbicides

Always refer to the respective product label(s) for rates of applications directions for use limitations, and restrictions

#### Improved Weed Control with PSIs

The addition of a PSI herbicide will help improve the control of difficult weeds listed below Make a second application for best results

Barnyardgrass Broadleaf signalgrass Cheatgrass Cocklebur Fall panicum Giant ragweed Knotweed Kochia Lambsquarters Malva (cheeseweed) Marestail Morningglory Pennsylvania smartweed Perennial weeds (suppression only) Prickly lettuce Sedges Tansymustard Velvetleaf Volunteer wheat

#### Improved Control of Perennial and Annual Broadleaf Weeds

Tank mixing with labeled 2 4-D ester (Low Volatile) 2 4-DB Banvel®, or Reflex<sup>®</sup> herbicide will help improve control when perennial broadleaf weeds such as Canada thistle, bindweed, dandelion, etc., or difficult to control annual broadleaf weeds such as giant ragweed or morning glory are present. Reduced grass control may be achieved when tank mixing the amine formulation of 2,4-D with PARAQUAT 3SL HERBICIDE

## **Order of Tank Mixing** (except for Reflex<sup>®</sup> Herbicide)

It is advisable to tank mix PARAQUAT 3SL HERBICIDE and other listed products as follows

- 1 Fill spray tank ½ full with clean water or other approved carriers such as clear liquid fertilizer
- 2 Begin tank agitation and continue throughout mixing and spraying
- 3 Add dry formulations (WP, DF, etc ) to tank
- 4 Add liquid formulations (SC EC L etc ) to tank
- 5 Add PARAQUAT 3SL HERBICIDE to tank
- 6 Add nonionic surfactant to tank
- 7 Fill remainder of spray tank

**EXCEPTION** When tank mixing PARAQUAT 3SL Herbicide with Reflex<sup>®</sup> Herbicide, the order of mixing must be as follows

- 1 Fill spray tank ½ 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 Reflex<sup>®</sup> Herbicide to tank
- 4 Add nonionic surfactant or crop oil concentrate to tank
- 5 Add PARAQUAT 3SL Herbicide to tank
- 6 Fill remainder of spray tank

Failure to follow the above tank mixing sequence for PARAQUAT 3SL HERBICIDE and Reflex<sup>®</sup> Herbicide may cause physical incompatibility to occur

Always refer to other pesticide products labels for weeds controlled, rates of applications directions for use, limitations, and restrictions

It is advisable to perform a jar test to check physical compatibility when using different formulation of the herbicides listed on this label

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## **USE PRECAUTIONS AND RESTRICTIONS**

#### EQUIPMENT

PARAQUAT 3SL HERBICIDE is corrosive to aluminum Thoroughly flush all aluminum spray equipment and aluminum aircraft structures that are exposed to spray solution or spray drift with water immediately after use

The activity of PARAQUAT 3SL HERBICIDE may be reduced in dry areas where dust stirred up by high winds or equipment tires can coat weed or plant leaves Therefore, avoid applications in extremely dusty conditions

#### LIMITATIONS AND RESTRICTIONS

- Unless otherwise indicated, PARAQUAT 3SL HERBICIDE will severely injure or kill crop plants emerged at time of application if they come in contact with sprays
- Do not pasture livestock in treated fields or feed treated foliage in cotton when this product is used as a cotton harvest aid
- DO NOT use around home gardens schools recreational parks or playgrounds
- Do not apply to soils lacking clay minerals such as peat muck pure sand artificial planting media for preplant and preemergence (to the crop) uses
- To enable maximum weed and grass emergence prior to treatment seedbeds and plantbeds should be formed as far ahead of planting and treatment as possible
- Avoid disturbing soil when seeding or transplanting
- Transplanted plants may become damaged when they come in contact with plastic mulch used for preplant weed control and that has been treated with this product. To prevent damage to the crop sufficient wash-off such as rainfall or sprinkler irrigation prior to planting may be needed
- PARAQUAT 3SL HERBICIDE will be ineffective in controlling or suppressing weeds and grasses that have emerged after application

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## **APPLICATION INSTRUCTIONS**

Crop ALFALFA (California only) New seedlings	Weeds	Use Pattern Broadcast	PARAQUAT 3SL HERBICIDE Rate Per Acre 07 1 3 pts See Table 2	Minimum Total Spray Per Acre Ground 10 gals Air 5 gals	Grazing or Preharvest Interval (Days) 70	Additional Precautions Restrictions and Directions Do not make more than one application per year Applications should be made during late winter or early spring Do not cut or harvest within 70 days after application Alfalfa foliage present at time of application will be burned Replanting may be needed due to the reduction of seedling stands Do not apply to seedling alfalfa grown for seed
ALFALFA Preplant or Preemergence (No till or conventional planting)		Broadcast or Banded Over Row	1 7 2 7 pts	Ground 10 gals Aır 5 gals	-	<ul> <li>Do not make more than 2 applications per year</li> <li>Apply prior to emergence of the crop Avoid disturbing soil when seeding</li> <li>Crop plants emerged at time of application will be killed</li> </ul>
ALFALFA Dormant season Established plantings Region A – See table at end of Alfalfa section	Weeds including bluegrass chuckweed henbit downy brome ryegrass cheatgrass dogfennel tansymustard london rocket sowthistle rescue brome wild oats and other winter annuals and suppression of perennial weeds	Broadcast	1 3 2 0 pts	Ground 10 gals Aır 5 gals	42	<ul> <li>Do not make more than one application per year</li> <li>Fall regrowth Do not apply if regrowth after last cutting is greater than 6</li> <li>Spring regrowth Do not apply if regrowth before first cutting is greater than 2</li> <li>After the crop is dormant apply to well established stands that are at least 1 year old</li> <li>Yield of first cutting may be reduced because alfalfa foliage present at the time of application will be burned</li> <li>Do not cut or harvest within 42 days after application</li> <li>For improved and longer lasting weed control tank mix with metribuzin (Lexone or Sencor) Always refer to the metribuzin label for weeds controlled rates of applications directions for use limitations and restrictions</li> </ul>



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Crop	Weeds	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Mınımum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
ALFALFA Dormant season Tank Mix with Velpar® L Herbicide Region A – See table at end of Alfalfa section	Weeds including chickweed downy brome and tansymustard	Broadcast	0 7 1 3 pts	Ground 10 gals Aır 10 gals	42	<ul> <li>Do not make more than 2 applications per year</li> <li>When weeds are less than 4 inches tall apply at 0 7 pt rate PARAQUAT 3SL HERBICIDE</li> <li>Mix PARAQUAT 3SL HERBICIDE with 1 2 qts of Velpar L per acre</li> <li>Use lower rate of Velpar L on loamy sands or sandy loams Always refer to the Velpar L label for weeds controlled rates of applications directions for use limitations and restrictions</li> <li>During the dormant season make one application to established alfalfa stands</li> <li>Fall regrowth Do not apply if regrowth before first cutting is greater than 6</li> <li>Spring regrowth Do not apply if regrowth before first cutting is greater than 2</li> <li>Do not apply to alfalfa during the first season after seeding</li> <li>Temporary chlorosis may occur on alfalfa regrowth</li> <li>Increased chances of crop injury may occur due to stress which may be caused in part by low fertility disease insects winterkill overcutting drought or frost</li> <li>DO NOT USE on gravelly or rocky soils exposed subsoils hardpan sand or poorly drained alkaline soils as crop injury including mortality may result</li> <li>Do not cut or harvest within 42 days of application</li> </ul>



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Сгор	Weeds	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
ALFALFA Dormant Season On established plantings Region B – See table at end of Alfalfa section	Including London rocket sowthistle rescue brome wild oats chickweed ryegrass bluegrass cheatgrass dogfennel tansymustard henbit downy brome and other winter annuals	Broadcast	0 7 1 3 pts	Ground 10 gals Aır 5 gals	60	<ul> <li>Do not make more than one application per year</li> <li>Applications should be made before first spring cutting and during late fail or winter months after the last fail cutting</li> <li>California Do not apply if spring regrowth after grazing or cutting is more than 2 inches in Orange and Riverside counties and all counties north of these counties All other areas within Region B Do not apply if regrowth after grazing or cutting is more than 2 inches</li> <li>Do not harvest within 60 days of application Application</li> </ul>
On fall seeded newly established stands less than 1 year old Region A - See table at end of Alfalfa section	and suppression of perennial weeds California Desiccation of weeds including	Broadcast	0 7 1 3 pts	Ground 10 gals Aır 5 gals	60	<ul> <li>Applications to alfalfa that is not dormant or has broken dormancy may result in stand and/or yield reductions Replanting may be necessary Green alfalfa foliage present at time of application will be burned</li> <li>If there is a severe weed infestation total hay yield of first cutting may be reduced in alfalfa</li> </ul>
On fall seeded newly established stands less than 1 year-old Region B – See table at end of Alfalfa section	bluegrass shepherdspurse chickweed tansymustard foxtail sowthistle and groundsel	Broadcast	0 5-0 8 pts	Ground 10 gais Air 5 gais	60	<ul> <li>fields and the reduction is typically directly proportionate to the loss of weed weight</li> <li>For improved and residual weed control in dormant established (at least 1 year old) alfalfa tank mix with metribuzin (Lexone or Sencor) Do not apply tank mix with metribuzin on alfalfa that is less than 1 year old</li> <li>Always refer to metribuzin label for weeds controlled rates of applications directions for use limitations and restrictions</li> <li>California</li> <li>If ryegrass shepherdspurse sowthistle or groundsel are present use high rate</li> </ul>



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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
ALFALFA (East of the Rocky Mountains) Between cuttings treatment in established plantings (Includes first year alfalfa)	Broadcast	0 7 pt	Ground 10 gals	30	<ul> <li>Do not make more than 3 applications per year</li> <li>Control of weeds beyond the seedling stage and weed stubble cut off during harvest are less affected by this treatment</li> <li>Make applications immediately after alfalfa has been removed for hay or silage</li> <li>Do not treat more than 5 days after cutting</li> <li>A reduction in first year alfalfa stands and yields may occur if alfalfa is allowed to regrow more than 2 inches</li> <li>Burning of alfalfa foliage will occur at time of application</li> <li>Weed control may be reduced where moisture is limited such as in and climates</li> <li>Do not cut or harvest within 30 days of application</li> <li>Apply as needed up to three times during the growing season in addition to a dormant application</li> <li>Do not make more than 2 applications during the first growing season of first year alfalfa</li> </ul>

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_	Rate/	Acre*	
For Control of	For Suppression	For Control	
Annual Bluegrass		10 7 21 3 fl oz	
Chickweed		10 7 21 3 fl oz	
Fiddleneck (6 inches tall or less)	5 4 10 7 fl oz	21 3 fl oz	
Red Maids (6 inches tall or less)		10 7 21 3 fl oz	
Shepherdspurse	10 7 21 3 fl oz		
Spikeweed (4 inches tall or less)	5 4 fl oz	10 7 16 0 fl oz	
Volunteer Small Grain (8 inches tall or less)	5 4 10 7 fl oz	21.3 fl oz	

\*Use the 5 4 fl oz rate only when alfalfa has at least 3 trifoliate leaves use the 10 7 fl oz rate only when alfalfa has 6 trifoliate leaves or use rates over 10 7 oz only when there are 9 trifoliate leaves

## Alfalfa – Regions

REGION A	REGION B
Alaska	Alabama
California Counties of Del Norte	Arizona
Siskiyou Modoc Shasta Lassen	Arkansas
Plumas Sierra Nevada	California All other counties not
Colorado Connecticut Delaware	listed in Region A
Idaho Illinois Indiana Iowa	Florida
Kansas Kentucky Maine	Georgia
Maryland Massachusetts	Hawaii
Michigan Minnesota Missouri	Louisiana
Montana Nebraska Nevada	Mississippi
New Hampshire New Jersey	New Mexico
New York North Dakota Ohio	North Carolina
Oregon Pennsylvania Rhode	Oklahoma
Island South Dakota Utah	South Carolina
Vermont Virginia Washington	Tennessee
West Virginia Wisconsin	Texas
Wyoming	
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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Mınımum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
ALMONDS	Directed Spray	0 8 2 7 pts	Ground 10 gals		<ul> <li>Do not make more than 5 applications per year</li> <li>Avoid allowing spray to contact green stems (except suckers) or foliage</li> <li>When spraying around young trees use a shield or wrap plant</li> <li>Do not graze treated areas and do not feed cover crops grown in treated areas to livestock</li> <li>Do not apply when nuts to be harvested are on the ground</li> <li>Retreatment or spot treatments may be necessary for mature woody weeds perennial weeds late germinating weeds and green suckers</li> </ul>
ARTICHOKE (GLOBE)	Directed Spray	1727 pts	Ground 20 100 gals	1	<ul> <li>Do not make more than 3 applications per year</li> <li>Do not exceed 8 pts per season</li> <li>Applications must be made at least 7 days apart</li> <li>Do not harvest within 24 hours of last application</li> </ul>
ASPARAGUS	Preplant or Preemergence Broadcast or Banded Over Row	1727pts	Ground 10 gals Aır 5 gals	-	<ul> <li>Do not make more than 3 applications per year</li> <li>Application should be made prior to emergence of the crop</li> <li>Emerged asparagus at time of application will be killed</li> </ul>
ASPARAGUS Preemergence to established plantings at least 2 years old	Broadcast or Banded Over Row	1 7 2 7 pts	Ground 10 gals	6	<ul> <li>Do not make more than 3 applications per year</li> <li>Applications should be made prior to emergence of the crop or after last harvest</li> <li>Emerged asparagus at time of application will be killed</li> </ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
BEANS DRY NOT FOR USE IN CALIFORNIA Sweet lupin White sweet lupin White lupin Grain lupin Adzuki beans Asparagus beans Black beans Broad beans Field beans Garbanzo beans Lablab beans Lablab beans Lablab beans Moth beans Mung beans Navy beans Pinto beans Rice beans Tepary beans Urd beans Guar	Harvest Aid	0 8 1 3 pts	Ground 20 gals Air 5 gals	<u>(Udys)</u> 7	<ul> <li>Do not make more than 2 applications per year</li> <li>Add nonionic spreader at 1 qt /100 gals of spray mix</li> <li>Use a single application of the higher rate for vining type of beans or bush type of lush growth</li> <li>May also be applied as a split application and may improve vine coverage However DO NOT make more than 2 applications per year or exceed a total of 1 3 pints per acre</li> <li>Apply when at least 80% of the pods are yellowing and mostly ripe and when leaves are no more than 40% green of bush type peas or beans or 30% of vine type peas or beans are green</li> <li>DO NOT apply when weather conditions favor spray drift To reduce drift a drift control agent may be included</li> <li>Not registered for use on dry beans and dry peas in California</li> </ul>
PEAS DRY NOT FOR USE IN CALIFORNIA					
Blackeyed peas Chickpeas Cowpeas Crowder peas Southern peas Catjang					
BERRIES Blackberry Blueberry Boysenberry Currant Elderberry Gooseberry Huckleberry Loganberry Raspberry	Postemergence Directed Spray	1 3 2 7 pts	Ground 50 gals	-	<ul> <li>Do not make more than 5 applications per year</li> <li>New canes or shoots can be injured Therefore apply before their emergence</li> <li>To prevent crop injury from spray mist apply as a coarse spray</li> </ul>



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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Mınımum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
CACAO	Directed Spray	1 3 2 7 pts	Ground 50 200 gals	~	<ul> <li>Do not make more than 5 applications per year</li> <li>Apply when weeds are succulent and growth is from 1 6</li> <li>Retreatment or spot treatments may be necessary for mature woody weeds late-germinating weeds and grasses and for perennials</li> <li>Use a shield for young trees to prevent spray from contacting cacao plants as injury may result</li> <li>Do not spray under windy conditions</li> <li>Do not graze treated areas or feed treated cover crops to livestock</li> </ul>
CASSAVAS TANIERS & YAMS (Puerto Rico only)	Shielded Post Directed Spray	1 3 pts	Ground 50 gals	90	<ul> <li>Cassavas and Taniers Do not make more than 3 applications per year</li> <li>Yams Do not make more than 2 applications per year</li> <li>Make applications when weeds are succulent and growth is 1-6</li> <li>Prevent spray from contacting crop to prevent injury to crop</li> <li>Do not spray under windy conditions</li> <li>Do not graze treated areas or feed treated forage to livestock</li> </ul>

## **Use Information for Chemical Fallow**

- As the density of stubble crop residue or weeds increases use higher spray volumes for better coverage
- To control volunteer wheat or downy brome fall applied treatments generally work best with PARAQUAT 3SL HERBICIDE If possible tank mix with Atrazine for maximum burndown and residual control
- Apply from immediately after harvest up to emergence of the newly seeded crop as a broadcast or band treatment
- Before applying PARAQUAT 3SL HERBICIDE cut wheat as high as possible to avoid cutting weeds too short and allow the weeds to grow at least 2.3 after harvest
- The addition of dicamba (Banvel) or 2.4 D ester (Low Volatile) may aid in the suppression of emerged perennial broadleaf weeds and large annual broadleaf weeds Always refer to the product label(s) for 2.4 D ester (Low Volatile) dicamba (Banvel) or residual herbicide for rates of applications directions for use limitations and restrictions
- It is permissible to tank mix with registered residual herbicide combinations other than those listed for extended weed control during the fallow period
- Weeds and grasses emerging after application and weeds taller than 6 inches will not be controlled
- Crop plants emerged at the time of application will be killed
- The minimum total spray per acre allowed is 5 gallons for ground and 5 gallons for air applications
- Apply 5 60 gallons spray mix per acre by ground application When applying at <10 GPA by ground
  - Do not apply with floaters or exceed a speed of 10 mph
  - Apply with flat fan nozzles at 30 40 psi
  - o Apply only in a tank mix with atrazine at a minimum of 0 5 lb a i /acre
  - o By air apply in 5 10 gals of spray mix per acre

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Mınımum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
CHEMICAL FALLOW Continuous Wheat 2 3 Month Recropping Interval CHEMICAL FALLOW Wheat Fallow Wheat Fallow Wheat Fallow Wheat Rotations (Fall applied after harvest seeded 12 14 months later)	Broadcast Broadcast	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 0 pts Weeds 6 2 2 7 pts Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts	Ground 5 gals Air 5 gals Ground 5 gals Air 5 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>Apply at least 45 days before seeding</li> <li>For volunteer wheat or downy brome control in spring use at least 1 3 pts Of PARAQUAT 3SL HERBICIDE per acre with a Photosynthetic Inhibitor Herbicide</li> <li>Refer to the section Use Information for Chemical Fallow</li> <li>Do not make more than 3 applications per year</li> <li>Spray before weeds produce seeds</li> <li>Control of volunteer wheat and downy brome increases when applications are made late August or early September</li> <li>For improved burndown and residual control of weeds tank mix with Atrazine Marksman® Herbicide or Commant@ Herbicide</li> <li>For burndown and residual control of grass and broadleaf weed tank mix with metribuzin (Sencor 75DF)</li> </ul>
					<ul> <li>Always refer to the respective product label(s) for rates of applications directions for use limitations and restrictions</li> <li>Refer to the section Use Information for Chemical Fallow</li> </ul>
CHEMICAL FALLOW Wheat Fallow Wheat Rotations (Spring applied seeded 3 5 months later)	Broadcast	Weeds 1 3 1 3 1 7 pts Weeds 3-6 1 7 2 pts Weeds 6 2 2 7 pts	Ground 5 gals Aır 5 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>To conserve moisture application should be made March 1 to April 15 prior to spring rains</li> <li>Even though moisture loss is greater when applications are made after the boot stage volunteer wheat is easier to control after this stage</li> <li>For volunteer wheat or downy brome control in spring use at least 1 3 pts of PARAQUAT 3SL HERBICIDE per acre with a Photosynthetic Inhibitor Herbicide</li> <li>Refer to the section Use Information for Chemical Fallow</li> <li>For burndown and residual control of grass and broadleaf weeds tank mix with metribuzin (Sencor 75DF/Lexone)</li> <li>Always refer to the label for metribuzin (Sencor 75DF/Lexone) for rates of applications directions for use limitations and restrictions</li> </ul>
CHEMICAL FALLOW Wheat Annual Crop <sup>1</sup> Wheat Rotations (Fall applied in wheat stubble)	Broadcast	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts	Ground 5 gais Aır 5 gais		<ul> <li>Do not make more than 3 applications per year</li> <li>For improved burndown and residual weed control tank mix with Atrazine or Marksman</li> <li>Always refer to the respective product label(s) for rates of applications directions for use limitations and restrictions</li> <li>Make applications after wheat harvest and before weeds produce seed</li> <li>If grasses such as foxtails or barnyardgrass recover respray before seed production</li> <li>Applications made late August to November help control volunteer wheat and downy brome</li> <li>Refer to the section Use Information for Chemical Fallow</li> </ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Mınımum Total Spray Per Acre	Grazıng or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
CHEMICAL FALLOW Wheat Annual Crop Wheat Rotations (Spring applied prior to planting an annual crop <sup>1</sup> )	Broadcast	Weeds 1 3 1 3 1 7 pts Weeds 3-6 1 7 2 pts Weeds 6 2 2 7 pts	Ground 5 gais Aır 5 gais		<ul> <li>Do not make more than 3 applications per year</li> <li>For enhanced burndown and residual weed control tank mix with Atrazine</li> <li>Always refer to the respective product label(s) for Atrazine for rates of applications directions for use limitations and restrictions</li> <li>For volunteer wheat or downy brome control in spring use at least 1 3 pts of PARAQUAT 3SL HERBICIDE per acre with a Photosynthetic Inhibitor Herbicide</li> <li>Refer to the section Use Information for Chemical Fallow</li> <li>Refer to the Atrazine label for recommendations pertaining to soil 0H and recropping intervals</li> </ul>

<sup>1</sup>Approved Annual Crops are grain sorghum corn wheat or proso millet

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Сгор	Weeds	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Mınımum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
CLOVER AND OTHER LEGUMES Including velvetbean lespedeza lupine sainfoin trefoil vetch crown vetch and milk vetch Dormant Season On established plantings Region A – See table at end of Alfalfa section	For desiccation of weeds including London rocket sowthistle rescue brome wild oats chickweed ryegrass bluegrass cheatgrass dogfennel tansymustard henbit downy brome and other winter annuals and suppression of perennial weeds California • Use for	Broadcast	1 3 2 1 pts	Ground 10 gals Aır 5 gals	60	<ul> <li>Do not make more than 1 application per year</li> <li>Applications should be made during late fall or winter months after the last fall cutting and before first spring cutting</li> <li>Do not apply if regrowth after grazing or cutting is more than 2</li> <li>Do not harvest within 60 days of application</li> <li>CAUTION Stand and/or yield reductions may occur when applications are made to clover or other legumes that are not dormant or have broken dormancy Therefore it may be necessary to replant Burning will occur to green clover or other legumes foliage present at the time of</li> </ul>
On established plantings Region B – See table at end of Alfalfa section	desiccation of weeds including bluegrass ryegrass shepherdspurse chickweed tansymustard	Broadcast	0713pts	Ground 10 gais Aır 5 gais	60	<ul> <li>application</li> <li>Discoloration and temporary stunting will occur in clover or other legumes foliage present at the time of application</li> <li>If there is severe weed infestation the</li> </ul>
On fall seeded newly established stands less than 1 year old Region A – See table at end of Alfalfa section	foxtail sowthistle and groundsel	Broadcast	0 7 1 3 pts	Ground 10 gais Air 5 gais	60	<ul> <li>total hay yield of first cutting may be reduced in clover or other legumes fields and is usually directly proportionate to the loss of weed weight</li> <li>IN CALIFORNIA</li> <li>If ryegrass shepherdspurse sowthistle or groundsel are present use high</li> </ul>
On fall seeded newly established stands less than 1 year old Region B – See table at end of Alfalfa section		Broadcast	0 5 0 8 pts	Ground 10 gals Aır 5 gals	60	rate

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
CORN FIELD CORN POPCORN SWEET CORN SEED CORN (Used alone)	Preplant or Preemergence Broadcast or Banded Over Row	Weeds 1 3 1 3 1 7 pts Weeds 3-6 1 7 2 pts Weeds 6 2 2 7 pts	Ground 10 gals Aır 5 gals	-	<ul> <li>Do not make more than 3 applications per year</li> <li>Includes field fresh sweet forage fodder and popcom</li> <li>To permit maximum weed and grass emergence seedbeds should be formed as far ahead of planting and treatment as possible</li> <li>Seeding should be done with a minimum amount of soil disturbance</li> <li>Control will not occur when applications are made after weeds and grasses have emerged However crop plants emerged at time of application will be killed</li> </ul>
CORN Tank Mixes for No till/Reduced Till	Preplant or Preemergence Broadcast or Banded Over Row	Weeds 1 3 1 3 1 7 pts Weeds 3-6 1 7 2 pts Weeds 6 2 2 7 pts	Ground 10 gals Aır 5 gals	_	<ul> <li>Do not make more than 3 applications per year</li> <li>Applications should be made as broadcast sprays before during or after planting but before crop emergence</li> <li>PARAQUAT 3SL HERBICIDE may be tank mixed with the following herbicides for improved burndown or residual control</li> <li>2 4 D Ester (Low Hamess® Volatile) Hamess® Xtra</li> <li>AAtrex/Atrazine® Lasso® Herbicide</li> <li>Banvel® Linex®</li> <li>Bicep Lorox®</li> <li>MAGNUM® Princep®</li> <li>Bicep Lite II Prowl® Herbicide</li> <li>MAGNUM® Sumpass® EC</li> <li>Frontier® Surpass® 100</li> <li>Guardsman® Topnotch®</li> <li>Harmony® Extra</li> <li>Herbicide</li> <li>(Preplant only)</li> <li>PARAQUAT 3SL HERBICIDE may also be tank mixed</li> <li>with Ambush® insecticide</li> <li>Always refer to respective product label(s) for rates of applications directions for use limitations and restrictions</li> </ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Mınımum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
FIELD CORN POPCORN SWEET CORN SEED CORN	Postemergence Directed Spray (including Hooded or Shielded)	0 7 1 3 pts	Ground 10 gais	-	<ul> <li>Do not make more than 3 applications per year</li> <li>Applications should be made when weeds are actively growing</li> <li>Use a higher rate on larger or hard to control weeds Weeds 6 or taller may not be controlled</li> <li>Severe damage and/or complete kill can occur if spray contacts corn plants</li> <li>For Hooded Or Shielded Sprayers</li> <li>Use a hooded or shielded sprayer with skids or wheel on the spray boom to maintain spray height in order to prevent excessive crop phytotoxicity</li> <li>Apply by directing spray between the rows and using hooded or shielded sprayers to prevent spray contact with crop plants</li> <li>For Directed Spray Without Hooded Or Shielded Sprayers</li> <li>Com height is measured from soil surface to top of whorl</li> <li>Apply when corn is at least 10 tall with nozzles arranged to spray no higher than 10 may be injured and not recover</li> <li>For corn more than 20 tall Arrange the nozzles to spray no higher than the lower 1/3 of the corn stalks</li> <li>Injury to corn foliage will occur if sprayed However corn will recover and develop normally</li> </ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Mınımum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
FIELD CORN POPCORN SEED CORN	Harvest Aid Broadcast	0 8 1 3 pts	Ground 20 gals Aır 5 gals	7	<ul> <li>Do not make more than one application per year Make ONE (1) application at least 7 days prior to harvest</li> <li>Apply after the com is mature This is indicated by a black layer which forms at the base of the kernels You may consult your local agnicultural authority for help in identifying the black layer</li> <li>Add nonionic surfactant containing at least 75% surface active ingredient at 0 25% v/v</li> <li>To desiccate mature broadleaf weeds and grasses or broadleaf weeds and grasses that are taller than 18 use 1 3 pts</li> <li>Drought stressed plants especially broadleaf weeds can be difficult to kill and desiccation may not be complete</li> </ul>
FIELD CORN ONLY (grain fodder forage)	Postemergence Directed Spray USDA Witchweed Eradication Program	1 3 pts	Ground 10 gais		<ul> <li>Do not make more than 3 applications per year</li> <li>If regrowth occurs initiate sprays in late June to early July and repeat in early August</li> <li>Follow application instructions in post emergence directed spray section above</li> </ul>
FIELD CORN ONLY (grain fodder forage) 2 4 D Amine AE Tank Mix	Postemergence Directed Spray USDA Witchweed Eradication Program	5 4 fl oz +0 5 lb 2 4 D Amine AE	Ground 10 gals	-	<ul> <li>Do not make more than 3 applications per year</li> <li>Apply as directed spray onto grassy weeds and witchweed before witchweed blooms If regrowth occurs reapply</li> <li>Follow application instructions in post emergence directed spray section above</li> <li>Always refer to respective product label(s) for rates of applications directions for use limitations and restrictions</li> </ul>
COTTON (Used alone)	Preplant or Preemergence	1 7 2 7 pts	Ground 10 gals Aır 5 gals	-	<ul> <li>Do not make more than 3 applications per year</li> <li>Apply prior to during or after planting but before crop emergence</li> <li>For fallow bed treatment beds should be preformed to permit maximum weed and grass emergence prior to treatment</li> <li>Seeding should be done with a minimum of soil disturbance</li> </ul>
COTTON (California only Used alone)	Preplant	5 4 10 7 fl oz	Ground 10 gals Aır 5 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>For control of volunteer barley in preformed seedbeds</li> </ul>



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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Mınımum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
COTTON Goal® Herbicide Tank Mix	Preplant or Fallow Bed Broadcast	1 7 2 7 pts	Ground Or Aır 10 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>Always refer to the Goal® label for weeds controlled rates of applications directions for use limitations and restrictions</li> </ul>
COTTON Other Tank Mixes	Preplant or Preemergence	1 7 2 7 pts	Ground 10 gals Aır 5 gals	-	<ul> <li>Do not make more than 3 applications per year</li> <li>Apply as a broadcast spray before during or after planting but before crop emergence</li> <li>For improved residual control or burndown PARAQUAT 3SL HERBICIDE may be tank mixed with the following herbicides         <ul> <li>Caparol® Herbicide</li> <li>Cotran® Herbicide</li> <li>Cotran® Herbicide</li> <li>Dourle®</li> <li>Dual MAGNUM®</li> <li>Harmony® Extra (Preplant Only)</li> <li>Meturon® Herbicide</li> <li>Momentary Extra (Preplant Only)</li> <li>Meturon® Herbicide</li> <li>Momentary Extra (Preplant Only)</li> <li>Meturon Provile</li> <li>Zorial® Herbicide</li> <li>Momentary Extra (Preplant Only)</li> <li>Meturon Provile</li> <li>Zorial® Herbicide</li> <li>When tank mixing with Cotoran DF® or Meturon DF® follow mixing instructions carefully maintain constant agitation and see Order of Tank Mixing section on respective labels</li> <li>When tank mixing with any of the herbicides listed above always refer to the respective product label(s) for weeds controlled rates of applications directions for use limitations and restrictions</li> </ul> </li> </ul>

### **COTTON Harvest Aid Use Restrictions**

- Do not make more than 4 applications per year
- Do not pasture livestock in treated fields or feed treated foliage
- Do not apply to cotton within 3 days before harvest
- Repeat application if necessary Do not exceed a total of 1 3 pts /A as a harvest aid
- May be tank mixed with other cotton harvest aid materials known to be effective by a local expert. Unless otherwise instructed in this label, always refer to the respective product label(s) for rates of applications, directions for use, limitations, and restrictions
- PARAQUAT 3SL HERBICIDE can be applied in a tank mix with methyl parathion and/or Karate® insecticide Always refer to the respective product label(s) for rates of applications, directions for use limitations and restrictions
- Nodes above cracked bolls (NACB) timing is for guidance and is not intended to restrict the local expert in their use of the product

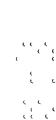
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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Mınımum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
SOUTHERN COTTON Harvest aid for bolls opening and defoliation (Tank mix with phosphate and chlorate	Broadcast	5 4 fl oz + 1 pt Phosphate or 1 gal chlorate	Ground 10 gals Aır 5 gals	7	<ul> <li>Do not make more than 4 applications per year</li> <li>Development of immature bolls will be inhibited</li> <li>Apply when 80% or more of the bolls are open and the remaining bolls to be harvested are mature</li> <li>Always refer to tank mix product label(s) for rates of applications directions for use limitations and restrictions</li> </ul>
defoliants) SOUTHERN COTTON Additional tank mixes for boll opening and defoliation	Broadcast	2 1 3 3 oz	Ground 10 gals Aır 5 gals		<ul> <li>Do not make more than 4 applications per year</li> <li>PARAQUAT 3SL HERBICIDE may be tank mixed with the following products to aid in defoliation and opening of mature bolls Accelerate® Defoliant Def® Defoliant Ethephon® Plant Growth Regulator Folex® Defoliant Harvade® Harvest Growth Regulator Prep™ PGR</li> <li>Apply when 60% or more of the bolls are open and the remaining bolls to be harvested are mature</li> <li>Development of immature bolls will be inhibited</li> <li>Always refer to the tank mix product label(s) for rates of applications directions for use limitations and restrictions</li> </ul>
SOUTHERN COTTON Post Defoliation – To aid in opening of mature bolis and to desiccate green weeds	Broadcast	0 7 1 3 pts	Ground 10 gals Aır 5 gals	3	<ul> <li>Do not make more than 4 applications per year</li> <li>If weed infestation is heavy or dense use higher rate</li> <li>Apply when 75% or more of bolls are open and remaining bolls to be harvested are mature</li> <li>Development of immature bolls will be inhibited</li> <li>After a defoliation or conditioning application has been made delay desiccation application of PARAQUAT 3SL HERBICIDE approximately 3 7 days to minimize leaf sticking</li> </ul>
WESTERN COTTON Harvest aid for boll opening and early defoliation	Broadcast	3 7 5 4 fl oz + phosphate or sodium chlorate and/or other compatible harvest aid products	Ground 10 gals Aır 5 gals	7	<ul> <li>Do not make more than 4 applications per year</li> <li>On rank cotton use higher rate</li> <li>Do not use more than 5 4 fl oz of PARAQUAT 3SL HERBICIDE for early defoliation as excessive desiccation may occur</li> <li>Early defoliation timing is when 60% or more of the bolls are open and the remaining bolls to be harvested are mature (approximately 4 NACB)</li> <li>Development of immature bolls will be inhibited</li> <li>Do not use more than 4 0 lbs of actual sodium chlorate defoliant per acre at this early defoliation timing</li> <li>Always refer to tank mix product tabel(s) for rates of applications directions for use limitations and restrictions</li> </ul>



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Crop	Use Pattern Broadcast	PARAQUAT 3SL HERBICIDE Rate Per Acre 5 4 10 7 fl oz	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days) 3	Additional Precautions Restrictions and Directions <ul> <li>Do not make more than 4 applications per year</li> </ul>
COTTON Harvest aid for boll opening and mid to late defoliation		alone or tank mix with sodium chlorate or phosphate defoliation and/or other compatible harvest aid products		(Alone)	<ul> <li>Use the 10 7 fl oz rate of PARAQUAT 3SL HERBICIDE in desert cotton areas or on rank vigorous cotton</li> <li>Mid to late defoliation timing is when 75% or more of the bolls are open and remaining bolls to be harvested are mature (approximately 3 or fewer NACB)</li> <li>Development of immature bolls will be inhibited</li> <li>Always refer to tank mix product label(s) for rates of applications directions for use limitations and restrictions</li> </ul>
COTTON Stripper or Spindle Harvested Harvest aid for defoliation and boll opening	Broadcast	2175fl oz	Ground 10 gals Aır 5 gals	3	<ul> <li>Do not make more than 4 applications per year</li> <li>BECAUSE OF EXTREMES IN ENVIRONMENTAL AND PLANT CONDITIONS IT IS ADVISABLE TO APPLY THE RANGE OF RATES ON A SMALL BLOCK OF COTTON TO DETERMINE THE RATE THAT BEST FITS YOUR NEEDS</li> <li>Apply when 75% of the bolls are open and the remaining bolls to be harvested are mature</li> <li>DEVELOPMENT OF IMMATURE BOLLS WILL BE INHIBITED SLICE BOLLS AND INSPECT THE SEED FOR MATURITY</li> <li>PARAQUAT 3SL HERBICIDE may be applied alone or tank mixed with the following cotton harvest aids Accelerate Defoliant® Def Defoliant® Def Defoliant® Ethephone Plant Growth Regulator® Folex Defoliant® Harvade Harvest Growth Regulator® Folex Defoliant®</li> <li>May be applied as a split application Do not exceed a total of 1 3 pts /A</li> <li>To avoid leaf sticking apply PARAQUAT 3SL HERBICIDE as a desiccant approximately 3 7 days after defoliant or a conditioning application and 7 14 days before harvest</li> <li>Cooler temperatures may cause a longer waiting period between application of PARAQUAT 3SL HERBICIDE as a desiccant and defoliation/conditioner</li> <li>South of Interstate 10 in Texas where temperatures are typically higher during defoliation lower rates in the range may be necessary</li> <li>Always refer to tank mix product label(s) for rates of applications directions for use limitations and restrictions</li> </ul>



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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
COTTON Late season desiccation	Broadcast	0 7 1 3 pts	Ground 10 gais Aır 5 gais	3	<ul> <li>Do not make more than 4 applications per year</li> <li>BECAUSE OF EXTREMES IN ENVIRONMENTAL AND PLANT CONDITIONS IT IS ADVISABLE TO APPLY THE RANGE OF RATES ON A SMALL BLOCK TO DETERMINE THE RATE THAT BEST FITS YOUR NEEDS</li> <li>May be applied as a split application Do not exceed a total of 1 3 pts /A</li> <li>Apply when 85% of the bolls are open and the remaining bolls to be harvested are mature (approximately 0 NACB)</li> <li>Development of immature bolls will be inhibited Slice bolls and inspect the seed for maturity</li> <li>South of Interstate 10 in Texas where temperatures are typically higher during defoliation lower rates in the range may be necessary</li> <li>Delay desiccation application of PARAQUAT 3SL HERBICIDE approximately 3 7 days to minimize leaf sticking if a defoliation or conditioning application has been made</li> <li>May be tank mixed with other harvest aid matenals known to the local expert to be effective</li> </ul>
COTTON Desiccation of Regrowth	Broadcast	0 75 1 25 pts	Ground 10 gals Aır 5 gals	3	<ul> <li>Do not make more than 4 applications per year</li> <li>Use to desiccate regrowth occurring after defoliation or desiccation</li> <li>Because regrowth is difficult to control thorough coverage with the full rate is necessary</li> <li>Control is dependent on growing conditions and desiccation of small new regrowth may not always be complete</li> <li>If regrowth is excessive use higher rate</li> </ul>

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Crop EASTER LILIES	Use Pattern Preemergence	PARAQUAT 3SL HERBICIDE Rate Per Acre 1 7 2 7 pts	Minimum Total Spray Per Acre Ground	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions <ul> <li>Do not exceed two applications per year</li> </ul>
(Field grown)			10 gals		
FALLOW LAND Prior to planting of any crops	Preplant Broadcast to Fallow Land	1 0 2 7 pts	Ground 10 gals Aır 5 gals	-	<ul> <li>Do not make more than 2 applications per year during the fallow period</li> <li>Fallow land may be between operations such as disking ripping plowing leveling irrigating or listing for ground preparation purposes</li> <li>Use for the control of weeds such as bluegrass chickweed henbit downy brome ryegrass cheatgrass dog fennel tansy mustard London rocket sowthistle rescue brome wild cats volunteer cereals and other winter annuals and for suppression of perennial weeds or sedges</li> <li>For weeds approaching the maximum size of 6 the higher rate may be used</li> <li>No more than 2 applications should be made during the fallow period</li> <li>Prior to application allow maximum weed emergence to maximize the benefit of this use</li> <li>Adhere to the preharvest intervals and other crop specific restrictions for planted crops elsewhere on this label</li> </ul>
GRASSES (For Seed) (For Use in Seedbed Preparation)	Preplant At Planting or Preemergence	1 3 2 7 pts	Ground 10 gals	-	<ul> <li>Do not make more than 3 applications per year</li> <li>Prepare the seedbeds and allow weeds to germinate</li> <li>Apply PARAQUAT 3SL HERBICIDE when weeds are at the 3 5 leaf stage</li> <li>Applications may be repeated as necessary (but only up to 3 applications per year) prior to grass emergence</li> <li>Do not graze treated areas or use the seed or straw from treated areas for animal feed or bedding</li> </ul>
GUAR (Preharvest desiccation)	Preharvest	1 3 pts	Ground 10 gals	4	<ul> <li>Do not make more than 3 applications per year</li> <li>Apply after the pods are fully mature</li> <li>Do not graze treated areas or use the treated forage for animal feed</li> </ul>
GUAVA	Directed Spray	2 5 pts	Ground 10 gals	-	<ul> <li>Do not make more than 4 applications per year</li> <li>Do not allow spray to contact green stems fruit or foliage</li> <li>Do not graze treated areas</li> <li>Do not feed cover crops grown in treated areas to livestock</li> <li>Retreatment or spot spraying may be necessary for mature woody weeds late-germinating weeds and grasses and perennials</li> </ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
HOPS (ID OR & WA only)	Directed Spray and/or Suckering and Stripping	1 3 pts	Ground 10 gals	14	<ul> <li>Do not make more than 3 applications per year</li> <li>Retreatment of spot treatment may be necessary</li> <li>Do not allow spray to contact green stems foliage flowers or cones as injury may result</li> <li>Do not allow animals to graze in treated hopyards</li> <li>Silage and hop vine refuse may be fed to livestock</li> <li>Spray only the basal 2 ft of the vines for sucking and stripping Repeat as necessary but only up to 3 applications per season</li> <li>Experience with varieties other than Cascade Yakima Cluster and Bullion is limited. If using PARAQUAT 3SL HERBICIDE 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</li> <li>Chemical Pruning Spray when vines are less than 3 ft tall to bum back existing vines and obtain even emergence or subsequent vines</li> <li>APPLICATION TO HOP VINES LESS THAN 6 FT TALL MAY CAUSE UNACCEPTABLE INJURY</li> </ul>
LENTILS NOT REGISTERED FOR USE ON LENTILS IN CALIFORNIA	Harvest Aid	0 8 1 3 pts	Ground 20 gals Aır 7 gals	7	<ul> <li>Do not make more than 2 applications per year</li> <li>Add nonionic surfactant at 0 25% v/v (2 pts /100 gals) of the finished spray volume</li> <li>May also be applied as a split application DO NOT make more than 2 applications or exceed a total of 1 3 pts /A The split application may improve coverage</li> <li>Apply when crop is mature and at least 80% of the pods are yellowing and mostly ripe with no more than 30% of the leaves still green in color</li> <li>DO NOT apply when weather conditions favor spray drift To reduce spray drift a drift control agent may be included</li> </ul>
MINT (Peppermint Spearmint)	Dormant Season	1 3 2 0 pts	Ground 10 gals Air 5 gals		<ul> <li>Do not make more than 2 applications per year</li> <li>For suppression of weeds such as groundsel chickweed downy brome bluegrass Italian ryegrass prickly lettuce</li> <li>Apply when crop is dormant before spring growth begins and when weeds are less than 6 tall</li> <li>Do not apply more than 2 0 pts /A per domant season</li> <li>May be tank mixed with Sinbar® Herbicide (terbacil) weed killer for improved contact activity and residual control of Italian ryegrass prickly lettuce and groundsel Apply this tank mixture no more than once per season</li> <li>Always refer to the Sinbar® (terbacil) label for weeds controlled rates of applications directions for use limitations and restrictions</li> </ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
ONIONS (seeded) AND GARLIC	Preplant/ Preemergence	1 7 2 7 pts	Ground 10 gals	60 200 (CA only)	<ul> <li>Do not make more than 1 application per year</li> <li>For heavy weed infestations or wild oat control use the higher rate Apply only one application per season at the 2 7 pts /A dosage</li> <li>Allow maximum weed and grass emergence prior to treatment but apply prior to crop emergence</li> <li>Apply a maximum of 2 7 pts /A per season</li> </ul>
PASSION FRUIT	Directed Spray	2 5 pts	Ground 10 gals	-	<ul> <li>Do not make more than 5 applications per year</li> <li>If bark is still green at application time use a shield or wrap vine</li> <li>Pick all fruit off the ground prior to application if application is to be made during harvest season</li> <li>Do not allow animals to graze on treated areas</li> <li>It may be necessary to retreat or spot treat</li> </ul>
PEANUTS	Broadcast At Ground Crack Postemergence	5 4 10 8 ft oz	Ground 10 gals		<ul> <li>Do not make more than 2 applications per year</li> <li>To control or suppress small (1-6) emerged annual grass and broadleaf weeds in peanuts at ground crack A second application may be made up to 28 days after ground crack</li> <li>For at ground crack use PARAQUAT 3SL HERBICIDE can be tank mixed with Pursuit® Herbicide or Dual MAGNUM® for residual weed control</li> <li>Always refer to the Pursuit® or Dual MAGNUM® label for a list of weeds controlled application rates necessary precautions and use limitations</li> <li>Make no more than 2 applications per season and do not apply a total of more than 10 8 fl oz of product per acre per season</li> <li>Crop foliage sprayed will be injured in the form of bronzing and crinking but the crop will recover and develop normally</li> <li>Do not apply by air</li> </ul>



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Cron	Lice Pattorn	PARAQUAT 3SL HERBICIDE Bate Bar Acre	Minimum Total Spray Per	Grazing or Preharvest Interval (Days)	Additional Progrations - Pastrictions and Directions
Crop PEANUTS Basagran® Herbicide Tank Mix	Use Pattern Broadcast At Ground Crack Postemergence	Rate Per Acre	Acre Ground 10 gals	(Days)	<ul> <li>Additional Precautions Restrictions and Directions</li> <li>Do not make more than 2 applications per year</li> <li>Tank mix PARAQUAT 3SL HERBICIDE with Basagran® at 1 pt /A for improved control of weeds such as cocklebur bristly starbur smartweed and prickly sida</li> <li>This tank mix can be applied at the ground crack stage of peanuts A second application may be made up to 28 days after ground crack</li> <li>Make no more than 2 applications per season and do not apply a total of more than 10 8 fl oz of product per acre per season</li> <li>Crop foliage sprayed will be injured in the form of bronzing and crinkling but the crop will recover and develop normally</li> <li>Always refer to the Basagran® label for weeds controlled rates of applications directions for use limitations and restrictions</li> <li>If peanuts show injury (leaf phytotoxicity and/or plant stunting) produced by any other herbicide treatment do not apply this tank mix as injury may be enhanced and/or prolonged</li> <li>During prolonged periods of drought or unseasonably cold weather do not apply this tank mix as unsatisfactory weed control may result</li> <li>Do not apply by ar</li> </ul>
PEANUTS Butyrac® Herbicide or Butoxone® Herbicide 200 Tank Mix	Broadcast Postemergence	5 4 10 8 fl oz	Ground 10 gals	-	<ul> <li>Do not make more than 2 applications per year</li> <li>Do not make more than 2 applications per year</li> <li>For improved control of weeds such as cocklebur sicklepod and morningglory tank mix PARAQUAT 3SL HERBICIDE with 8 16 oz (0 125 0 25 lbs) per acre of Butyrac or Butoxone 200</li> <li>Do not apply a total of more than 10 8 fl oz of product per season and make no more than 2 applications per season</li> <li>Crop foliage sprayed will be injured in the form of bronzing and crinkling but the crop will recover and develop normally</li> <li>Always refer to the Butyrac® or Butoxone 200® labels for weeds controlled rates of applications directions for use limitations and restrictions</li> <li>Do not apply by air</li> </ul>
PIGEON PEAS (Puerto Rico only)	Directed Spray	1 3 pts	Ground 10 gais	60	<ul> <li>Do not make more than 1 application per year</li> <li>Avoid contact with pigeon pea foliage</li> <li>Do not make more than 1 application per season</li> <li>Do not graze treated areas or feed treated forage to livestock</li> <li>Cannery waste can be fed to livestock</li> </ul>
PINEAPPLE	Directed Spray	1 3 2 7 pts	Ground 10 gals	20	<ul> <li>Do not exceed 3 applications per season</li> <li>More mature weeds may require retreatment</li> </ul>
ΡΟΤΑΤΟ	Preplant or Preemergence Broadcast	0713pts	Ground 10 gals Aır 5 gals	-	Do not make more than 3 applications per year     Apply up to ground cracking stage before potatoes have emerged
POTATO (California Washington Oregon Idaho only used alone)	Preplant Broadcast	0 4 0 7 pts	Ground 10 gals Aır 5 gals	-	<ul> <li>Do not make more than 3 applications per year</li> <li>For control of volunteer barley in preformed seedbeds</li> </ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Mınımum Total Spray Per Acre	Grazıng or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
POTATO Fresh Market Only Preharvest vine kulling and weed desiccation For Use Only in the states of Colorado Delaware Idaho Illinois Indiana Kansas Maine Maryland Massachusetts Michigan Minnesota Nebraska Nevada New Jersey New York North Dakota Ohio Oregon Pennsylvania South Dakota Utah Washington	Broadcast	0 7 1 3 pts	Ground 20 gals	3	<ul> <li>For Fresh Market Potatoes Only (Fresh Market Potatoes include potatoes that are sent directly from the field to a consumer grocery store or processor for use )</li> <li>Do not make more than 2 applications per year</li> <li>DO NOT use on potatoes that will be stored as tuber decomposition may result</li> <li>Potatoes must be harvested promptly after desiccation and processed or consumed immediately</li> <li>DO NOT apply to drought stressed potato vines</li> <li>DO NOT use to desiccate the vines of seed potatoes as seed pieces may fail to germinate and grow normally</li> <li>DO NOT pasture livestock in treated potato fields</li> <li>DO NOT exceed 2 6 pts /A per season</li> <li>Begin application when leaves begin to turn yellow</li> <li>Immature potato foliage is tolerant to PARAQUAT 3SL HERBICIDE However desiccation will not be complete under this condition</li> <li>Use 1 3 pts /A rate where quick vine kill is desired</li> <li>For dense vine growth use 2 applications of 0 6 pt/A Split applications must be applied a minimum of five days apart</li> </ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
RICE	Preplant or Preemergence Broadcast	Weeds 1 3 1 3 17 pts Weeds 3-6 1 7 2 0 pts Weeds 6 2 2 7 pts	Ground 10 gals Aır 5 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>Apply as a broadcast spray before during or after planting but before crop emergence When vegetation is dense use higher rates and spray volumes</li> <li>Seeding should be done with a minimum amount of soil disturbance</li> <li>PARAQUAT 3SL HERBICIDE will not control weeds and grasses emerging after application Crop plants emerged at time of application will be killed</li> <li>PARAQUAT 3SL HERBICIDE may be tank mixed with other herbicides registered for this use for improved or extended weed control Always refer to the tank mix herbicide labels for weeds controlled rates of applications directions for use limitations and restrictions</li> <li>Do not flood/flush within 48 hours of application in order to ensure complete kill of vegetation if cool cloudy and/or wet weather delays speed of kill do not flood/flush until complete kill is evident</li> </ul>
SAFFLOWER	Preplant or Preemergence Broadcast or Banded Over Row	1 7 2 7 pts	Ground 10 gals Air 5 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>Apply before during and after planting but before crop emergence</li> </ul>
SAFFLOWER (California only)	Preplant Broadcast	0 7 pt	Ground 10 gals Aır 5 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>For control of volunteer bariey in preformed seedbeds</li> </ul>
SMALL GRAINS (Barley wheat)	Preplant or Preemergence	Weeds 1 3 1 3 1 7 pts Weeds 3-6 1 7 2 pts Weeds 6 2 2 7 pts	Ground 5 gals Aır 5 gals	-	Do not make more than 3 applications per year
SMALL GRAINS (Wheat Only) Hoelon® 3EC Tank Mix	Preplant or Preemergence	Weeds 1 3 1 3 1 7 pts Weeds 3-6 1 7 2 pts Weeds 6 2 2 7 pts	Ground 10 gals Aır 5 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>A tank mix with Hoelon® 3EC will improve grass control</li> <li>Apply when weeds are actively growing and 1 6 in height Weeds 6 inches or taller may not be controlled</li> <li>Do not apply this tank mix to barley as crop injury may result</li> <li>Always refer to the Hoelon® 3EC label for weeds controlled rates of applications directions for use limitations and restrictions</li> </ul>
SORGHUM (Grain)	Preplant/ Preemergence Broadcast or Band	Weeds 1 3 1 3 1 7 pts Weeds 3-6 1 7 2 pts Weeds 6 2 2 7 pts	Ground 10 gals Aır 5 gals	48 (grain) 20 (forage)	<ul> <li>Do not make more than 3 applications per year</li> <li>To allow maximum weed and grass emergence seedbeds should be formed as far ahead of planting as possible</li> <li>Seeding should be done with a minimum a moun of soil disturbance</li> </ul>

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Crop SORGHUM (Grain) Atrazine & 2 4 D ester [Low Volatile] Tank Mix	Use Pattern Preplant or Preemergence	PARAQUAT 3SL HERBICIDE Rate Per Acre Weeds 1 3 1 3 1 7 pts Weeds 3-6 1 7 2 pts Weeds 6 2 2 7 pts	Mınımum Total Spray Per Acre	Grazing or Preharvest Interval (Days) 48 (grain) 20 (forage)	Additional Precautions Restrictions and Directions Do not make more than 3 applications per year PARAQUAT 3SL HERBICIDE may be tank mixed with Atrazine for improved preemergence or residual weed control The addition of 2 4 D ester (Low Volatile) may assist in the suppression of perennial and annual broadleaf weeds emerged at the time of application Always refer to the specific tank mix herbicide label(s) for weeds controlled rates of applications directions and
SORGHUM (Grain) Harmony® Extra Herbicide Tank Mix	Preplant	1 3 2 5 pts	Ground 10 gals	48 (grain) 20 (forage)	<ul> <li>Do not make more than 3 applications per year</li> <li>For Improved weed control PARAQUAT 3SL HERBICIDE may be tank mixed with Harmony Extra</li> <li>Always refer to the Harmony Extra label for weeds controlled rates of applications directions for use limitations and restrictions</li> </ul>
SORGHUM (Grain)	Postemergence Directed (Including Hooded or Shielded)	0 7 1 3 pts	Ground 10 gals	48 (grain) 20 (forage)	<ul> <li>Do not make more than 2 applications per year</li> <li>Apply when weeds are actively growing</li> <li>Use higher rate on larger on hard to control weeds Weeds 6 or taller may not be controlled</li> <li>Severe damage and/or complete kill can occur if spray contacts sorghum plants</li> <li>Do not exceed 2 postemergence directed applications or exceed a total of 5 3 pts PARAQUAT 3SL HERBICIDE per season</li> <li>HOODED OR SHIELDED SPRAYERS</li> <li>To avoid excessive crop phytotoxicity use a hooded or shielded sprayer with skids or wheels on the spray boom to maintain spray height</li> <li>Apply by directing spray between the rows and by using hooded or shielded sprayers to prevent spray contact with crop plants</li> <li>DIRECTED SPRAY WITHOUT HOODED OR SHIELDED SPRAYERS</li> <li>Apply when sorghum is at least 12 tall when naturally standing</li> <li>Do not exceed 30 psi nozzle pressure or spray under conditions which may cause excessive drift</li> <li>Use precision directed spray application equipment adjusted so that no more than the lower 3 of the sorghum stalk is contacted by the application spray</li> <li>Some crop injury will occur The degree of injury is related to the precision of application and spraying conditions</li> </ul>



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Стор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
SOYBEANS	Preplant or Preemergence	Weeds 1 3 1 3 17 pts Weeds 3-6 1 7 2 pts Weeds 6 2 2 7 pts	Ground 10 gals Aır 5 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>Do not exceed a total of 4 0 pts Of PARAQUAT 3SL HERBICIDE per season</li> <li>Apply as a broadcast spray before during or after planting but before crop emergence</li> <li>PARAQUAT 3SL HERBICIDE may be tank mixed with the following herbicides for improved burndown or residual control</li> <li>2 4 DB</li> <li>Lorox</li> <li>Canopy</li> <li>Lorox Plus</li> <li>Dual MAGNUM</li> <li>Prowl</li> <li>Goal</li> <li>Pursuit Herbicide</li> <li>Harmony Extra</li> <li>Scepter Herbicide</li> <li>(Preplant Only)</li> <li>Sencor Herbicide</li> <li>Linex</li> <li>The rate of PARAQUAT 3SL HERBICIDE to be used in these tank mixtures is dependent on weed height and growing conditions</li> <li>Where weed canopy is dense our under dry conditions use the highest rate of PARAQUAT 3SL HERBICIDE Always refer to the respective product label(s) for a list of weeds controlled rates of applications directions for use limitations and restrictions</li> <li>The lower application rate may be used when weeds are less than 4 tall and a selective postemergence spray or cultivation will be made within 3 weeds after planting</li> <li>Seeding should be done with a minimum amount of soil disturbance</li> <li>Do not graze or harvest for forage or hay before the R3</li> </ul>
SOYBEANS 2 4 D ester (Low Volatile) Tank Mix	Preplant or Preemergence	Weeds 1 3 1 3 1 7 pts Weeds 3-6 1 7 2 pts Weeds 6 2 2 7 pts	Ground 10 gals Air 5 gals		<ul> <li>stage of soybean development (early pod)</li> <li>Do not make more than 3 applications per year</li> <li>Apply 2 4 D ester (Low Volatile) at 0 35 0 475 lbs a i /A at least 7 days prior to planting</li> <li>Apply 2 4 D ester (Low Volatile) at 0 475-0 95 lbs a i/A at least 30 days prior to planting</li> <li>Do not apply 2 4 D ester (Low Volatile) prior to planting soybeans if you are not able to accept the results of soybean injury including possible loss of stand and yield</li> <li>Do not use amine formulation as PARAQUAT 3SL HERBICIDE activity may be reduced</li> <li>May be tank mixed with residual herbicides listed above</li> <li>Always refer to the 2 4 D ester (Low Volatile) label for weeds controlled rates of applications directions for use limitations and restrictions</li> </ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Mınımum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
SOYBEANS	Postemergence Directed Spray (Includes Hooded or Shielded)	3053fl oz	Ground 10 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>Apply when weeds are actively growing</li> <li>Use the lower rate of PARAQUAT 3SL HERBICIDE for control of seeding johnsongrass crabgrass goosegrass brachinana Texas millet and pigweed less than 2 tall</li> <li>For control of 2-4 red rice <i>Brachiana</i> bamyard grass crabgrass goosegrass seedling johnsongrass giant foxtail and fall panicum use 5 3 fl oz of PARAQUAT 3SL HERBICIDE</li> <li>Use 5 3 fl oz of PARAQUAT 3SL HERBICIDE for control of 2 3 sicklepod pursiane pigweed cutleaf ground cherry and common ragweed</li> <li>Apply PARAQUAT 3SL HERBICIDE at 5 3 fl oz /A plus 0 2 lib active ingredient per acre of a 2 4 D formulation for control of 2-4 grasses in mixture with common cocklebur morningglory and red nce</li> <li>Always refer to the 2 4 D label for weeds controlled rates of applications directions for use limitations and restrictions</li> <li>Do not graze or harvest for forage or hay</li> <li>If necessary make a second and final application 7 14 days later</li> <li>HOODED OR SHIELDED SPRAYERS</li> <li>Apply by directing spray between the rows and using hooded or shielded sprayers to prevent spray contact with crop plants</li> <li>Use higher rate on larger (less than 6) on hard to control weeds Weeds 6 or taller may not be controlled</li> <li>Severe damage and/or complete kill can occur if spray intentionally or accidentally including drift of fine droplets) contacts the plants</li> <li>Dise precision directed spray application equipment adjusted so that no more than the lower 3 of the soybean plant is contacted by the application spray</li> <li>Do not treat on soybeans that are less than 8 tall</li> <li>Use precision directed spray application equipment adjusted so that no more than the lower 3 of the soybean plant is contacted by the application spray</li> <li>Do not exceed 30 psi nozzle pressure or spray under conditions which may cause excessive dirift</li> <li>Some crop</li></ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
SOYBEANS	Harvest Aid	5 4 10 7 fl oz	Ground 20 gals Air 5 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>Indeterminant varieties Applications should be made when at least 65% of the seed pods have reached a mature brown color or when seed moisture is 30% or less</li> <li>Determinant varieties Apply when plants are mature i e beans are fully developed ¼ of leaves have dropped and remaining leaves are yellowing</li> <li>Injury will occur on immature soybeans</li> <li>Mature cocklebur especially drought stressed plants are tolerant to PARAQUAT 3SL HERBICIDE and desiccation will not be complete Always use the higher rate when treating cocklebur</li> <li>Do not apply within 15 days of harvest</li> <li>Do not graze or harvest for forage or hay</li> </ul>
STRAWBERRIES	Postemergence Directed Spray	1 3 pts	Ground 20 gals	21	<ul> <li>Do not make more than 3 applications per year</li> <li>Direct spray between the rows using shields to prevent spray contact with crop plants</li> <li>Do not allow spray to contact strawberry plants as injury or excessive residues may result</li> <li>Do not apply more than 3 times per season</li> <li>Do not graze livestock in treated areas</li> </ul>
SUGAR BEETS	Preplant or Preemergence	1 3 2 7 pts	Ground 10 gals Air 5 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>For heavier weed infestations use the higher label rate</li> <li>Seeding or transplanting should be done with a minimum amount of soil disturbance</li> <li>Crop plants emerged at time of application will be killed</li> <li>Can be used in fallow bed/stale seedbed for weed control</li> <li>Seedbeds or plantbeds should be formed as far ahead of treatment as possible to permit maximum weed emergence</li> </ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
SUGARCANE	Postemergence Directed Spray (includes Hooded or Shielded)			(00)0)	<ul> <li>Comments</li> <li>Do not make more than 2 applications per year except applications made by air in Florida and Texas in which the maximum number of applications allowed is 1 per year</li> <li>Apply as a hooded shielded or directed spray to avoid contact with cane foliage to prevent leaf burn and yield reduction</li> <li>If necessary a second and final application can be made when new weed growth is 2 6 high</li> <li>Do not graze treated areas or feed treated forage to livestock</li> </ul>
Florida		1 3 pts	Ground 50 gais		<ul> <li>Do not make more than 2 applications per year</li> <li>Optimum results can be obtained by applying in early spring (March April) when weeds are small</li> <li>Do not apply after June 1 as cane growth may be stunted and yields reduced</li> </ul>
Hawaii		1 3 pts	Ground 20 gals		<ul> <li>Do not make more than 2 applications per year</li> <li>Do not apply after cane rows have closed in</li> </ul>
Louisiana		0 7 2 0 pts	Ground 20 gals	30	<ul> <li>Do not make more than 2 applications per year</li> <li>For tiller control apply when tillers are less than 18 high For heavier weed infestations or tiller growth use the higher rate</li> </ul>
Flonda & Texas	Harvest Aid	0 4 0 7 pts	Air 5 gals		<ul> <li>Do not make more than 1 application per year</li> <li>Under cool cloudy weather conditions use higher rate</li> <li>Apply 3 14 days before burning and harvest</li> </ul>
SUNFLOWER	Preplant or Preemergence Broadcast or Banded Over Row	1727pts	Ground 10 gals Air 5 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>Apply before during or after planting but before crop emergence</li> </ul>
SUNFLOWER	Preharvest Desiccation Broadcast	0 8 1 3 pts	Ground 10 gais Aır 5 gais	7	<ul> <li>Do not make more than 2 applications per year</li> <li>Apply when sunflower seeds reach physiological maturity (when seed moisture is 35% or lower) For many varieties this is equivalent to the time when the back of the heads are yellow and the bracts are turning brown</li> <li>Do not graze treated areas or feed treated forage to livestock</li> <li>When crop stands or weed infestations are heavy use the higher label rate</li> </ul>
TARO DRYLAND (Hawaıı Only)	Postemergence Directed Spray	1 3 2 1 pts	Ground 10 gals	180	<ul> <li>Do not make more than 2 applications per year</li> <li>Do not allow spray to contact the taro plants as injury may result</li> <li>Make the first application when weed growth is 1 4 high</li> <li>Weeds emerging after the application will not be controlled</li> <li>A single re treatment may be made however do not harvest dryland taro within 6 months of the last application</li> </ul>
TREE PLANTATION ESTABLISH MENT Deciduous and Conifers	Preplant Broadcast	1 3 2 7 pts	Ground 20 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>To allow maximum emergence of weeds prepare ground early</li> <li>Apply prior to planting Plant with minimal soil disturbance</li> <li>For heavier weed infestations use the higher application rate</li> <li>For improved burndown or residual control tank mix PARAQUAT 3SL HERBICIDE with other herbicides labeled for this use</li> <li>Always refer to the specific tank mix herbicide label(s) for weeds controlled rates of applications directions for use limitations and restrictions</li> <li>Do not apply in less than 20 gals /A as weed control will be reduced</li> </ul>

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Стор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
TREES AND VINES Orchards Vineyards Windbreak Shade & Ornamental Trees Acerola Apples Apncots Avocados Bananas Beechnut Brazil Nut Butternut Calamondin Cashew Chernes Chestnut Calamondin Cashew Chernes Chestnut Chinquapin Citrus Citron Coffee Figs Filberts Grapefrut Grapes Hickory Nut Kiwi Fruit Kumquat Lemon Lime Macadamia Nuts Mandarin Nectannes Olives Orange (sour & sweet) Papayas Peaches Pears Pears Pears Pears Pears Pummelo Satsuma mandarin Walnuts Other shade and ornamental trees such as arborvitae ash elm fir oak pine etc	Directed Spray	17 27 pts	Ground 10 gals	Apricots 28 Chernes 28 Figs 13 Kwi Fruit 14 Nectarines 28 Olives 13 Peaches 14 Pistachios 7 Plums 28	<ul> <li>Do not make more than 5 applications per year except for Apricots Chernes Kiwi Fruit Nectarines Peaches Plums no more than 3 applications per year Olives no more than 4 applications and Pistachios no more than 5 applications but only 2 applications after shells split</li> <li>Do not allow spray to make contact with green stems (except suckers) fruit or foliage</li> <li>Use the shield or wrap plant when spraying around young trees or vines</li> <li>Do not graze treated areas</li> <li>Do not feed covered crops grown in treated areas to livestock</li> <li>Do not apply when figs nuts or olives to be harvested are on the ground</li> <li>For apricots – Do not harvest within 28 days after applications and not exceed 3 postemergence directed applications per season</li> <li>For chernes – Do not harvest within 28 days after applications per season</li> <li>For figs – Do not harvest within 13 days after application and do not exceed 5 postemergence directed applications per season</li> <li>For figs – Do not harvest within 13 days after application and do not exceed 5 postemergence directed applications per season</li> <li>For figs – Do not harvest within 13 days after applications per season</li> <li>For win fruit – Do not treat more than 3 times per year</li> <li>For mature woody weeds perennial weeds late germinating weeds and green suckers retreatment or spot treatment may be necessary</li> <li>For nectannes – Do not harvest within 13 days after applications per season</li> <li>For olives – Do not harvest within 13 days after applications per season</li> <li>For olives – Do not harvest within 13 days after application and do not exceed 3 postemergence directed applications per season</li> <li>For olives – Do not harvest within 14 days after applications per season</li> <li>For plums – Do not harvest within 14 days after applications per season</li> <li>For plums – Do not harvest within 28 days after application and do not exceed 3 postemergence directed applications per season</li> <li>For plums – Do not harv</li></ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions, Restrictions and Directions
TREES AND VINES Tank Mixes	Directed Spray	1727 pts	Ground 10 gals	Always refer to other Tank Mıx labels	<ul> <li>Do not make more than 5 applications per year except for Apricots Chernes Kiwi Fruit Nectarines Peaches Plums no more than 3 applications per year Olives no more than 4 applications and Pistachios no more than 5 applications but only 2 applications after shells split</li> <li>PARAQUAT 3SL HERBICIDE may be tank mixed with registered residual herbicides listed below for combined emerged and residual weed control</li> <li>PARAQUAT 3SL HERBICIDE may be tank mixed with the following herbicides Devinnol® Herbicides</li> <li>PARAQUAT 3SL HERBICIDE may be tank mixed with the following herbicides</li> <li>Devinnol® Herbicide</li> <li>Solicam® Herbicides</li> <li>Solicam® Herbicide</li> <li>Always refer to other herbicide labels for weeds controlled rates of applications directions for use limitations and restrictions</li> </ul>
TYFON (New Hampshire only)	Preplant Preemergence	1727 pts	Ground 10 gais		<ul> <li>Do not make more than 3 applications per year</li> <li>Seeding should be done with a minimum of soil disturbance</li> <li>Weeds and grasses emerging after treatment will not be controlled</li> <li>Crop plants emerged at time of application will be injured</li> </ul>
VEGETABLES (Seeded or Transplanted) Beans (Lima Snap) Broccoli Cabbage Cantaloupe Carrots Cauliflower Chayote Fruit Chinese Cabbage Chinese Waxgourd Citron Melon Collards Cucumber Eggplant Gherkin Gourd Edible Groundcherry Lettuce Momordica spp Musk Melons Peas Pepino	Preplant Preemergence	1 3 2 7 pts	Ground 10 gals Aır 5 gals		<ul> <li>Do not make more than 3 applications per year</li> <li>Seedbeds or plantbeds should be formed as far ahead of treatment as possible to permit maximum weed emergence</li> <li>Banded or broadcast treatment applications can be made before during or after planting but prior to the crop emergence</li> <li>For heavier weed infestations use the higher rate</li> <li>Seeding or transplanting should be done with a minimum amount of soil disturbance</li> <li>Crop plants emerged at time of application will be killed</li> <li>PARAQUAT 3SL HERBICIDE can be used in fallow bed/stale seedbed for weed control alone or tank mixed with Goal® Always refer to the Goal® label for weeds controlled rates of applications</li> <li>Do not harvest tomatoes within 30 days after application</li> </ul>
Peppers Pumpkin Squash Sweet Corn Tomatillo Tumips Tomatoes					

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Crop VEGETABLES Eggplant Tomatoes Peppers	Use Pattern Directed Spray	PARAQUAT 3SL HERBICIDE Rate Per Acre 1 3 pts	Minimum Total Spray Per Acre Ground 10 gals	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions <ul> <li>Do not make more than 3 applications per year</li> <li>For control or suppression of emerged weeds between rows after crop establishment</li> <li>Use precision directed spray application equipment adjusted</li> </ul>
					<ul> <li>to prevent spray contact with crop plants Do not exceed 30 psi nozzle pressure Do not spray under conditions which may cause excessive dnft</li> <li>Apply when weeds are succulent and weed growth is less than 6</li> <li>Do not apply more than 3 applications per season</li> <li>Do not allow animals to graze in treated areas</li> <li>Do not harvest tomatoes within 30 days after application</li> </ul>
VEGETABLES Tomatoes	After Final Harvest	1 6 2 5 pts	Ground 40 120 gals		<ul> <li>Do not make more than 2 applications per year</li> <li>Apply in 40 120 gallons of water per acre (0 62-0 93 lb a i /A)</li> <li>Add NIS containing 75% or more surface active agent at 0 125 v/v (1 pt /100 gals Spray solution)</li> <li>To ensure maximum herbicide burndown tomato vines should be thoroughly covered</li> <li>PARAQUAT 3SL HERBICIDE may be deactivated and less efficacious when dirty or muddy water is used</li> <li>To aid in the removal of Sweet Potato Whitefly burn tomato vines with propane burners as soon as possible after the vines have dried down sufficiently</li> <li>DO NOT apply more than a total of 3 lbs active ingredient (paraquat) per acre per season</li> <li>To minimize drift do not use nozzles or nozzle configurations which produce fine spray droplets (mist)</li> </ul>
VEGETABLES (California Washington Oregon Idaho only) Lettuce Melon Sugar Beets Tomatoes	Broadcast	0 4 0 7 pts	Ground 10 gals Air 5 gals		<ul> <li>Do not make more than 2 applications per year</li> <li>For control of volunteer barley in preformed seedbeds</li> <li>Do not harvest tomatoes within 30 days after application</li> </ul>
VEGETABLES Rhubarb	Dormant	1 7 2 7 pts	Ground 10 gais		<ul> <li>Do not exceed 2 applications per year</li> <li>Apply during dormant season before buds in crown begin to grow</li> </ul>

## **RESIN SOAKING**

Pines including Loblolly Shortleaf Longleaf Slash Virginia Pond Pitch and Spruce Pines

**Tree Selection** – Trees should be selected from stands on sites not subject to stress from periods of extreme drought because the desiccating effect of PARAQUAT 3SL HERBICIDE is accentuated during drought causing a reduction in the amount of oleoresin deposited in the xylem Vigorous non-stagnated natural or planted stands should be selected Plan PARAQUAT 3SL HERBICIDE treatments in stagnated or commercial timber stands not sooner than three years after a commercial thinning

**Application Directions** – To bring the treatment into contact with sapwood (or xylem) apply waterdiluted PARAQUAT 3SL HERBICIDE to an appropriate wound in the tree trunk

**Bark Streaks or Cuts** Use a standard or rotary bark hack or a chainsaw shipping tool (used in naval stores work) to remove a single 1-inch wide streak of bark about 1-2 ft from ground level. Do not exceed 1/3 of the circumference of the tree. Serious girdling of the trunk and premature death of the tree can result if multiple streaks or cuts are made. Apply a coarse spray (about 1 7-5 0 ml) PARAQUAT 3SL HERBICIDE solution (1-5% cation wt /wt basis) to runoff to the exposed xylem using a low-pressure sprayer. The amount of spray required per cut depends on tree circumference and the length of cut or streak. For example, for a 9-inch diameter tree using 3 ml of 2 or 4% PARAQUAT 3SL HERBICIDE solution will cover the 1-inch wide streak and will result in application of 60 or 120 mg per streak.

**Time of Treatment** Less severe pine beetle infestations and longer tree life usually result during cool season treatments under non-drought seasons. However, resin soaking can occur from treatments made any time of the year.

**Interval between Treatment and Tree Harvest** There should be at least a 6-month interval between application of PARAQUAT 3SL HERBICIDE and tree harvest. However it is preferable the interval is from 12-24 months even though intervals of over 6 months may not be possible under conditions of drought or serious pine beetle attacks possibly making early harvest necessary. With this treatment there is a potential for promoting beetle attack or causing premature death of the tree. At high dosage rates desiccation of the xylem tissue rather than the desired resin soaking may occur

**Note** This type of treatment may reduce stem growth during the period between treatment and tree harvest

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	Add the Following No		
Concentration of Cation	Gal of Water to $\frac{2}{3}$ Gallon of		
Desired (Wt /Wt Basis)	PARAQUAT 3SL HERBICIDE		
0.2%	118 8		
0 5%	46 8		
1 0%	22 9		
2 0%	10 9		
3 0%	69		
4 0%	4 9		
5 0%	37		

Crop CONSERV ATION RESERVE FEDERAL SET ASIDE CONSER VATION COMPLIANCE PROGRAMS (For use in compliance with the Federal Conservation Reserve Program or Federal set	Use Pattern Broadcast	PARAQUAT 3SL HERBICIDE Rate Per Acre 1 7 2 7 pts	Minimum Total Spray Per Acre Ground 10 gals Air 5 gals	Grazing or Preharvest Interval (Days)	<ul> <li>Additional Precautions Restrictions and Directions</li> <li>Do not make more than 3 applications per year</li> <li>PARAQUAT 3SL HERBICIDE may be tank mixed with other herbicides registered for this use for improved emerged weed control or extended weed control</li> <li>Always refer to the tank mix herbicide labels for weeds controlled rates of applications directions for use limitations and restrictions</li> </ul>
aside programs) NONCROP USES	Broadcast or Spot Treatment	17 27 pts	Ground 10 gats	-	<ul> <li>Repeat applications as necessary but do not make more than 10 applications per year</li> <li>To be used in noncrop areas including public airports electric transformer stations pipeline pumping stations around commercial buildings storage yards and other installations and fence lines</li> <li>Avoid spray contact with the foliage of ornamentals or desired plants</li> </ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
PASTURE RESEEDING For suppression of existing sod and undesirable emerged broadleaf weeds and grasses prior to or at time of planting grasses or forage legumes	Broadcast	0 7 1 3 pts	Ground 10 gals Air 5 gals	See specific geographic recommendati on	<ul> <li>Do not make more than 3 applications per year West of Cascade and Sierra Nevada Mountains</li> <li>Apply in October through December after first fall rains and after weeds have emerged and sod has started new growth</li> <li>Apply on moderately to heavily grazed areas for best seeding results</li> <li>Do not use in heavy sod and weed growth areas</li> <li>East of Rocky Mountains</li> <li>Use the 1 3 pts rate on vigorous or coarse sod species such as bromegrass</li> <li>Apply only to grazed or mowed pastures not more than 3 in height at time of treatment</li> <li>Bermudagrass or Bahiagrass Sods</li> <li>Apply in late summer or early fall to sod not exceeding 3 in height.</li> <li>For control of emerged Little Barley apply in February or March before the mid boot stage of Little Barley</li> <li>Bermudagrass and Coastal Bermudagrass Pastures</li> <li>Apply when bermudagrass is dormant</li> <li>For control of little barley apply before the mid boot stage</li> <li>Do not mow for hay until 40 days after treatment</li> </ul>
For Control of Endophyte Fungus Infected Fescue Forage Legume/Grass Mixture and Other Grass Pastures	Broadcast (Split Application)	0 7 1 3 pts followed by 0 7 1 3 pts	Ground 10 gals		<ul> <li>Do not make more than 2 applications per year</li> <li>Use split applications of 10 21 days apart if necessary</li> <li>Do not exceed 2 6 pts /A total in preparation for reseeding</li> <li>For spring plantings the initial application of 0 7 1 3 pts may be made the previous fall</li> <li>Apply when fescue is actively growing and no more than 4 high</li> <li>To reduce the infestation of endophyte infested grass do not allow fescue to go to seed starting with the preceding year's crop</li> </ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest Interval (Days)	Additional Precautions Restrictions and Directions
For Prickly Pear Desiccation in Pastures Not for use in California	Spot Sprays	0 8 fl oz per gallon of water	Spray to wet weed foliage		<ul> <li>Do not make more than 10 applications per year</li> <li>Hand held equipment such as knapsacks backpack sprayers pump up pressure sprayers hand-guns and handwands can be used to direct the spray onto weed foliage so that the spray thoroughly wets foliage</li> <li>Mix 0 8 fl oz of PARAQUAT 3SL HERBICIDE and 1/3 fl oz of a nonionic surfactant per gallon of water</li> <li>Completely and uniformly cover all green prickly pear foliage with spray</li> <li>Apply in May through September for best desiccation results</li> <li>Do not use more than 1 6 pts of PARAQUAT 3SL HERBICIDE per acre per year</li> <li>Apply only to pastures with no more than 3 of height at time of treatment</li> <li>Tank mix with Grazon® P+D Specialty® herbicide at a rate of 1 2 fl oz per gallon of water for improved desiccation and perennial control of Prickly pear</li> <li>Always refer to the Grazon® P+D Specialty herbicide label for weeds controlled rates of applications directions for use limitations and restrictions</li> </ul>

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Сгор	Use Pattern	PARAQUAT 3SL HERBICIDE Rate Per Acre	Minimum Total Spray Per Acre	Grazing or Preharvest interval (Days)	Additional Precautions Restrictions and Directions
For Juniper Species leaf moisture reduction or desiccation prior to <u>Prescribed</u> burning of pastures Not for use in Califomia	Broadcast	1 3 pts	Aır 5 gals		<ul> <li>Do not make more than 10 applications per year</li> <li>Use only in conjunction with prescribed burning as recommended and monitored by local SCS or University and Extension Range Specialists</li> <li>Apply during hot dry weather conditions (generally July and August)</li> <li>Use 2% v/v nonionic surfactant in a minimum of 5 gal spray solution</li> <li>Monitor Juniper leaf moisture content Maximum leaf moisture reduction generally occurs 3-4 weeks after PARAQUAT 3SL HERBICIDE application</li> <li>Significant soil moisture and/or wet weather conditions prior to or after application will decrease the potential for Juniper Crown burns</li> <li>Reduction in leaf moisture conditions</li> <li>Do not graze livestock after application or prior to burning</li> </ul>
Native Pastures ** Not for use in California	Broadcast	1 0 1 25 pts	Ground 10 gals Aır 5 gals		<ul> <li>Do not make more than 2 applications per year</li> <li>Apply PARAQUAT 3SL HERBICIDE for control of Downy and Japanese Brome</li> <li>Apply in spring after 90% node formation of brome species but before full bloom</li> <li>Emerged native perennial grasses will be burned by application but application after 90% node formation will allow adequate time for native grasses to recover and attain maximum growth in the use season</li> <li>Do not apply more than 1 25 pts PARAQUAT 3SL HERBICIDE per year</li> <li>Apply only to pastures with no more than 3 of height at time of treatment</li> </ul>

cres/Gallon	Lb aı	Pints	Ounces
51 3	0 06	0 16	2 5
26 7	0 11	0 30	48
24 2	0 12	0 33	5 28
23 2	0 13	0 35	5 52
12 8	0 23	0 63	10 00
116	0 26	0 69	11 00
11 4	0 26	0 70	11 20
10 7	0 28	0 75	12 00
80	0 38	1 00	16 00
64	0 47	1 25	20 00
62	0 49	1 30	20 80
53	0 56	1 50	24 00
46	0 66	1 75	28 00
40	0 75	2 00	32 00
32	0 94	2 50	40 00
30	1 00	2 70	43 20

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## WARRANTY STATEMENT

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All such risks shall be assumed by Buyer and User

The exclusive remedy of any buyer or user of this product for any and all losses injuries or damages resulting from or in any way arising from the use handling or application of this product whether in contract warranty tort negligence strict liability or otherwise shall not exceed the purchase price paid for this product and

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