

66222-130

06/20/2012

1/31



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D C 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

JUN 20 2012

Kristin Knox
Makhteshim Agan of North America Inc
3120 Highwoods Blvd Suite 100
Raleigh NC 27604

Subject Notification per PR Notice 98 10 – Update Tank Mix Language
Parazone 3SL
EPA Reg No 66222 130
Application Dated – June 6 2012

Dear Ms Knox

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98 10 for the subject product

The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98 10 and finds that the action requested falls within the scope of PRN 98 10 The label submitted with the application has been date stamped Notification and will be placed in our records

If you have any questions regarding this letter please contact Maggie Rudick at (703) 347 0257 or rudick_maggie@epa.gov

Sincerely

A handwritten signature in black ink, appearing to read "Kable Bo Davis".

Kable Bo Davis Product Manager 25
Herbicide Branch
Registration Division (7505P)



United States
Environmental Protection Agency
 Washington DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide Section I

1 Company/Product Number 66222 130	2 EPA Product Manager Kable Bo Davis	3 Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4 Company/Product (Name) Parazone 3SL	PM# 25	
5 Name and Address of Applicant (Include ZIP Code) Makhteshim Agan of North America Inc 3120 Highwoods Blvd #100 Raleigh NC 27604 <input checked="" type="checkbox"/> Check if this is a new address	6 Expedited Review In accordance with FIFRA Section 3(c)(3) (b)(i) my product is similar or identical in composition and labeling to EPA Reg No _____ Product Name _____	

Section II

Amendment Explain below
 Resubmission in response to Agency letter dated _____
 Notification Explain below

Final printed labels in response to Agency letter dated _____
 Me Too Application
 Other Explain below

NOTIFICATION

JUN 20 2012

Explanation Use additional page(s) if necessary (For section I and Section II)

Notification to clarify label language This notification is consistent with the provisions of PR Notice 98 10 and EPA regulations at 40 CFR 152.46 and no other changes have been made to the labeling or the confidential statement of formula for this product I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA I further understand that if this notification is not consistent with the terms of PR Notice 98 10 and 40 CFR 152.46 this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA

Section III

1 Material This Product Will Be Packaged In				2 Type of Container	
Child Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	If Yes Unit Packaging wgt No per container		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If Yes Package wgt No per container			
3 Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4 Size(s) Retail Container		5 Location of Label Directions	
6 Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section IV

1 Contact Point (Complete items directly below for identification of individual to be contacted if necessary to process this application)		
Name Kristen B Knox	Title Product Registration Manager	Telephone No (Include Area Code) 919 256 9337
<p align="center">Certification</p> <p>I certify that the statements I have made on this form and all attachments thereto are true accurate and complete I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law</p>		6 Date Application Received (Stamped)
2 Signature 	3 Title Product Registration Manager	
4 Typed Name Kristen B Knox	5 Date June 6 2012	

June 6 2012

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
US EPA
One Potomac Yard Room S 4900
2777 S Crystal Drive
Arlington VA 22202

Attn Kable Bo Davis PM 25

RE Parazone 3SL EPA Reg No 66222 130
Notification to update label language

Dear Mr Davis

As a result of our phone conversation of June 5 2012 MANA is submitting the above referenced notification per your instruction We have recently become aware of tank mix incompatibility issues based on the order of adding one specific active ingredient We have done more than 25 jar tests and we have found the proper order in which to tank mix with other pesticides This notification will update the tank mixing instructions

This change does not affect the application rates or instructions We certify that this notification is consistent with the provisions of PR Notice 98 10 and EPA regulations at 40 CFR 152 46 and no other changes have been made to the labeling or the confidential statement of formula for this product I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA I further understand that if this notification is not consistent with the terms of PR Notice 98 10 and 40 FR 152 46 this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA

NOTIFICATION

JUN 20 2012

In support of this submission the following documents are enclosed

- Application for Pesticide Registration (EPA Form 8570 1)
- One (1) Annotated Proposed Master Label with changes marked in red
- ~~One~~(1) Clean Copies of the Proposed Master Label

Please contact me at phone 919 256 9337 or e mail kknox@manainc.com if you have any questions or need further information to process this submission

Best regards



Kristen B Knox
Product Registration Manager

www.manainc.com

P (919) 256-8300
F (919) 256-8308

3120 Highwoods Blvd
Suite 100
Raleigh, NC 27604

MANA
Crop Protection

4/31

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 USERS COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION

Parazone® 3SL

Herbicide

NOTIFICATION
JUN 20 2012

A Weed Grass and Harvest Aid Desiccant/Defoliant Herbicide

ACTIVE INGREDIENT		/ BY WT
Paraquat dichloride (1 1 dimethyl 4 4 bipyridinium dichloride)		43 8 /
OTHER INGREDIENTS		56 2 /
Total		100 0%

Contains 3 0 pounds paraquat cation per gallon as 4 14 pounds salt per gallon
Contains stenching (odor) and emetic

Manufactured for
Makhteshim Agan of North America Inc
100 Highwoods Blvd Suite 100
Raleigh NC 27604

EPA Reg No 66222 130

EPA Est No XXXXXXXXXX

NET CONTENTS 2 5 GALS

KEEP OUT OF REACH OF CHILDREN



DANGER/POISON

PELIGRO



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 your in detail)

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

FIRST AID Contains Paraquat a Bipyridylum Herbicide	
IF SWALLOWED	SPEED IS ESSENTIAL Immediate medical attention is required If available give an adsorbent such as activated charcoal bentonite or Fuller s Earth Call a poison control center or doctor immediately for treatment advice Do not give anything by mouth to an unconscious person Have person sip glass of water if able to swallow Do not induce vomiting unless told to by a poison control center or doctor
IF INHALED	Move person to fresh air The odor of this product is from the stenching agent which has been added not from the paraquat If person is not breathing call 911 or an ambulance Call a poison control center or doctor for further treatment advice
IF IN EYES	Hold eye open and rinse slowly and gently with water for 15 20 minutes Remove contact lenses if present after the first 5 minutes then continue rinsing e/c Call a poison control center or doctor for treatment advice
IF ON SKIN OR CLOTHING	Take off contaminated clothing Rinse skin immediately with plenty of water for 15 20 minutes Call a poison control center or doctor for further treatment advice

Have the product container or label with you when calling a poison control center or doctor or going for treatment **You may also contact Prozar at 1 877 250 9291 for emergency medical treatment information**
NOTE TO PHYSICIAN Administer either activated charcoal (100 g for adults or 2 g/kg body weight in children) or Fuller's Earth (15% solution 1 liter for adults or 15ml/kg body weight in children) **NOTE** The use of gastric lavage without administration of an adsorbent has not shown any clinical benefit Do not use supplemental oxygen Eye splashes from concentrated material must be treated by an eye specialist after initial treatment With the possibility of late onset corneal ulceration it is advised that patients with paraquat eye injuries are reviewed by an eye specialist the day after first presentation Use treatment that is appropriate for chemical burns Intact skin is an effective barrier to paraquat however contact with irritated or cut skin or repeated contact with intact skin may result in poisoning

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
DANGER/ PELIGRO



Poison

May be fatal if swallowed Fatal if inhaled Do not breathe spray mist Wear a dust/mist respirator as specified in the PPE section of this label Causes irreversible eye damage Wear protective eyewear Harmful if absorbed through skin Do not get in eyes or on clothing 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 sleeve shirt and long pants
- Shoes plus socks
- Protective eyewear
- Chemical Resistant Gloves such as barrier laminate butyl rubber nitrile rubber neoprene rubber natural rubber polyethylene polyvinyl chloride (PVC) or Viton
- A NIOSH approved particulate filtering respirator equipped with N R or P filter media The respirator should have a NIOSH approval number prefix TC 84A

Mixers and loaders must wear

- Long sleeve shirt and long pants
- Shoes plus socks
- Dust mist NIOSH approved respirator with any N R P or HE filter
- Chemical Resistant Gloves such as barrier laminate butyl rubber nitrile rubber neoprene rubber natural rubber polyethylene polyvinyl chloride (PVC) or Viton
- 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 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

Parazone® 3SL is a contact herbicide that desiccates all green plant tissue Paraquat dichloride the active ingredient in this product 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 and 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 applications during periods of thermal inversion.

PHYSICAL AND CHEMICAL HAZARDS

This product is mildly corrosive to aluminum and produces hydrogen gas which 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 COURSES, 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 uses 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 the treated areas during the restricted entry interval (REI) of 12 hours.

For Harvest Aid and Desiccation Applications, Preplant or Preemergence (Broadcast or Banded) and Postemergence Directed Spray: 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
- Chemical Resistant Gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC), or Viton

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 areas 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.

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 3/4 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 degrees.

Where states have more stringent regulations, they shall be observed.

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

Aerial Drift Reduction Advisory Information

(This section is advisory in nature and does not supersede the mandatory label requirements)

Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift 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 environmental conditions (see **Wind Temperature and Humidity and Temperature Inversions**)

Controlling Droplet Size

Volume Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

Pressure Do not exceed the nozzle manufacturer's specified 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 type that is designed for the intended application. With most nozzle types narrower spray angles produce larger 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 1/4 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 must increase with increasing drift potential (higher wind smaller drops etc.)

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 smoke 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).

PRODUCT INSTRUCTIONS AND INFORMATION

Formulation The Parazone 3SL formulation contains 3 pounds of active ingredient per gallon. It has a strong irritant odor and contains an emetic which will cause vomiting if the product is accidentally swallowed. The strong odor is intentionally part of the formulation to help prevent accidental ingestion of Parazone 3SL.

Mode of Action Parazone 3SL is a contact herbicide that is rapidly absorbed by green plant tissue. Once absorbed the active ingredient interacts with the photosynthetic process to produce superoxides that destroy the plant cells. Parazone 3SL must be applied to green plant tissue to be effective; therefore, excellent and complete coverage of all green foliage is necessary for effective weed control and effective leaf drop, desiccation and defoliation. Activity of Parazone 3SL is reduced when it is applied to drought stressed weeds, weeds with little green foliage or to the mature woody bark of trees and vines. Parazone 3SL is tied up rapidly by clay soils and organic matter so it has no residual soil activity.

Spectrum of Activity As a contact herbicide, Parazone 3SL will control most small broadleaf and grass weeds, as well as suppress perennial weeds through the destruction of green foliage. Parazone 3SL can also be used at harvest as a desiccant or defoliant.

Best weed control is achieved when Parazone 3SL is applied to emerged weeds that are still small (1 to 6 inches tall). Larger weeds are more difficult to control. Allow weeds that have been grazed or mowed to grow to 2 to 4 inches tall before applying Parazone 3SL. Also, during harvesting of 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.

When Parazone 3SL is used for control of grass cover crops or volunteer cereals, application must be made prior to tillering or after the boot stage, especially with a wheat cover crop or volunteer wheat. Application of Parazone 3SL between tillering and the boot stage may not provide acceptable control. Parazone 3SL will not provide complete control of perennial cover crops.

Replanting Rotational crops can be planted after the last application of Parazone 3SL. Since Parazone 3SL has no soil activity, crops planted after the last application are not affected.

Spray Adjuvants It is important to always add a nonionic surfactant (NIS) or crop oil concentrate (COC) with Parazone 3SL. Otherwise, reduced activity of Parazone 3SL will result.

For ground applications, use a NIS containing 75% or more active ingredient at 0.125% v/v (1 pt/100 gals) OR use a NIS containing 50-74% active ingredient at 0.25% v/v (2 pts/100 gals) of finished spray volume. If a COC is used, select a nonphytotoxic COC containing 15-20% approved emulsifier at 1.0% v/v (1 gal/100 gals) of finished spray volume. Do not use a COC with Parazone 3SL when it is applied as a cotton harvest aid.

For aerial applications, use a NIS at 0.25% v/v (2 pts/100 gals) of the finished spray volume. Or use a COC at 1 pint per acre. Do not use a COC with Parazone 3SL when it is applied as a cotton harvest aid.

When an adjuvant is to be used with this product, Makhteshim Agan of North America, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

Weather Considerations Although Parazone 3SL is effective under most environmental conditions, some conditions such as cool weather (below 55°) cloudy or overcast weather will slow its activity. Parazone 3SL is rapidly absorbed by plant foliage and becomes rainfast soon after application. If rain comes 30 minutes or more after application, activity of Parazone 3SL will not be effected.

Dosage Specific application rates for Parazone 3SL are provided below under **APPLICATION INSTRUCTIONS**. Always follow the specified rates listed for each use. Higher label rates must be used to control or suppress large or dense weeds. Also, when using Parazone 3SL as a harvest aid, use the higher label rates when crop vegetation is dense. For broadcast application with backpack sprayers, do not exceed more than 0.50 lb ai/A in a minimum of 30 gallons of spray solution per acre.

Application Thorough coverage of target weeds is critical for good weed control since Parazone 3SL is a contact herbicide. Thorough coverage is also critical for good crop desiccation and defoliation. Unacceptable weed control, desiccation or defoliation will result from poor coverage and application to large, stressed or mown weeds. Specific application instructions are provided below.

Spray volume varies with different uses. Always follow the spray volume instructions provided in the **APPLICATION INSTRUCTIONS**. Only minimum spray volumes are provided. Increase spray volumes to insure thorough coverage of target weeds or plants without runoff from the foliage. If a spray volume of 20 gallons of spray carrier per acre is used, target weeds must not exceed 6 inches tall.

Spray carrier selection is very important to maximize effectiveness of Parazone 3SL. Always use clean water (no mud or clay), clear liquid nitrogen, or complete clear liquid fertilizers with Parazone 3SL. Fertilizers or water containing clay can inactivate Parazone 3SL. It is important, therefore, to never use muddy water or suspension type fertilizers containing clay as the spray carrier. Use the higher rate of Parazone 3SL and surfactant when the spray carrier is a clear liquid fertilizer containing high levels of phosphate. Always use a nonionic surfactant when using liquid fertilizers such as 28% N as a spray carrier. Liquid fertilizer carriers cannot substitute for surfactant.

Nozzle selection is very important when making applications of Parazone 3SL. Flat fan nozzles provide the most effective application, whereas flood nozzles are usually not as good because they produce large, uneven droplets. Inadequate coverage and reduced weed control can occur if flood nozzles are used. Only use flat fan nozzles if the spray carrier is less than 20 gallons per acre. Information on nozzles, pressures and setup are shown in the table below.

CHEMIGATION STATEMENT Do not apply this product through any type of irrigation system

When Parazone 3SL is applied at less than 10 gallons of finished spray volume per acre a drift control or spray deposition additive must be used Refer to the additive label for use directions

Table 1 Application Setup

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

Reduced weed control will result if nozzles pressures or setups different from those in this table are used

Spot Spraying Sometimes it is necessary to spray small areas with labeled applications To accomplish this it may be necessary to mix small quantities of Parazone 3 SL

If the Broadcast rate per acre for Parazone 3SL Herbicide is	Add the Following Amount of Parazone 3SL Herbicide to 1 gallon of water
1 1/2 pints	1/3 fluid ounce
2 pints	3/8 fluid ounce
2 1/2 pints	1/2 fluid ounce
3 pints	2/3 fluid ounce

Always add 1/3 to 1/2 fl oz of NIS to each gallon of spray During the spot spraying operation spray plants thoroughly in order to wet the foliage but not to the point of runoff

Tank Mixing for Improved Burndown of Difficult Weeds and Residual Weed Control Parazone 3SL can be tank mixed with certain other herbicides in order to obtain greater control of hard to control weeds Best control is obtained when other photosynthetic inhibitor (PSI) herbicides are added with Parazone 3SL These herbicides will cause the activity of Parazone 3SL to be slower thus allowing it more time to distribute throughout the treated leaf Weed control will be greater than when Parazone 3SL is applied alone

The following PSI herbicides can be tank mixed with Parazone 3SL AAtrex® Herbicide or other atrazine containing products, Bicep Magnum® Herbicide Bicep Lite II Magnum® Herbicide Canopy® Herbicide Lariat® Herbicide Lexone® Herbicide Linex® Herbicide Lorox® Herbicides Lorox Plus® Herbicide MANA Parallel Herbicide MANA Parallel Plus Herbicide MANA Parallel PCS Herbicide Princep® Herbicide Sencor® Herbicide or other metribuzin containing products and Triangle™ Herbicide Be sure to read the respective product label(s) for rates of application directions for use limitations precautions and for a list of weeds controlled

Control of the following difficult to control broadleaf and grassy weeds will be enhanced by the addition of a PSI herbicide with Parazone 3SL barnyardgrass broadleaf signalgrass cheatgrass cocklebur fall panicum giant ragweed knotweed Kochia lambsquarters malva (cheeseweed) marehail morningglory Pennsylvania smartweed perennial weeds (suppression only) prickly lettuce sedges tansymustard velvetleaf and volunteer wheat For best results make a second application

Improved control of perennial broadleaf weeds such as Canada thistle bindweed dandelion etc or difficult to control annual broadleaf weeds such as giant ragweed or morningglory will result when Parazone 3SL is tank mixed with 2 4 D ester (low volatile) 2 4 DB or Banvel® Herbicide Reduced grass control may result if the amine formulation of 2 4 D is applied as a tank mix with Parazone 3SL

Mixing Order When tank mixing other products with Parazone 3SL the following order must be followed ~~(1) fill spray tank 1/2 full with clean water or other approved carriers as discussed above (2) begin tank agitation and continue agitation throughout the mixing and spraying operations (3) add dry formulations (WP DF WDG etc) to the tank (4) add liquid formulations (SC EC L F etc) to the tank (5) add Parazone 3SL to the tank (6) add spray surfactant to the tank and (7) fill the remainder of the spray tank~~

- 1 Fill spray tank half full with clean water or other approved carriers
- 2 Begin tank agitation and continue agitation throughout the mixing and spraying operations
- 3 Add dry formulations (WP DF WDG etc)
- 4 Add all liquid formulations (SC EC L F etc) *other than fomesafen e g Reflex Dawn etc)*
- 5 Add Parazone 3SL
- 6 Add fomesafen formulation (e g Reflex Dawn etc)

- 7 Add spray surfactant
- 8 Fill the remainder of the spray tank

Carefully read the labels of other pesticide products for mixing directions and precautions that may be different Physical compatibility of any tank mix combination of Parazone 3SL with other herbicides must be checked by performing a jar test

PRODUCT PRECAUTIONS AND RESTRICTIONS

Equipment Since Parazone 3SL is corrosive to aluminum all aluminum spray equipment and aluminum aircraft structures exposed to spray solution or spray drift must be flushed with water immediately after use

Dusty Leaf Surfaces If weed or plant leaves are extremely dusty (due to high winds equipment tires etc.) activity of Parazone 3SL can be reduced Avoid applying Parazone 3SL in extremely dusty conditions

Limitations and Precautions

- 1 Do not graze livestock in treated fields or feed treated foliage in cotton when using Parazone 3 SL for a cotton harvest aid
- 2 Use around home gardens schools recreational parks or playgrounds is PROHIBITED
- 3 Do not apply to soils lacking clay peat muck pure sand and artificial planting media if using Parazone 3SL in preplant or preemergence (to the crop) uses
- 4 Prepare seedbeds and plantbeds well ahead of planting and treatment to permit maximum weed and grass emergence prior to treatment
- 5 Do not disturb the soil any more than necessary during seeding or transplanting
- 6 Use caution when applying Parazone 3SL for preplant weed control over the top of plastic mulch Transplants may be damaged if they come in contact with treated plastic mulch Sprinkler irrigation or rainfall may be needed to wash off the herbicide from the plastic to prevent damage to the crop
- 7 Parazone 3SL will not control or suppress broadleaf or grassy weeds that emerge after treatment
- 8 Unless otherwise indicated crop plants that are emerged at the time of application and contacted by sprays of Parazone 3SL will be injured or killed

APPLICATION INSTRUCTIONS

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

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
ALFALFA New seedlings (CA only)	0.7-1.3 pts Also see Table 2 below	During late winter or early spring make a broadcast application using the specified rate in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air Alfalfa foliage present at the time of application will be burned stands will be reduced and replanting may be necessary
	Do not make more than one application per year Do not cut or harvest within 70 days of application Do not apply to seedling alfalfa grown for seed	
ALFALFA (No till or conventional planting) (preplant or preemergence)	1.7-2.7 pts	Apply preplant or preemergence either broadcast or banded over the row using the specified rate in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air Apply prior to the emergence of the crop as plants that come in contact with the spray will be killed Seeding must be done with a minimum of soil disturbance
	Do not make more than 2 applications per year	
ALFALFA Dormant season on established plantings Region A ¹ (See chart at end of alfalfa section for list of states in each region)	1.3-2.0 pts	Make a broadcast application using the specified rate in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air After the crop is dormant apply to established stands (at least one year old) alfalfa present at the time of application will be burned which may reduce the yield of the first cutting Parazone 3SL controls weeds including bluegrass chickweed henbit downy brome ryegrass cheatgrass dogfennel tansymustard London rocket sowthistle rescue brome wild oats and other winter annuals and suppresses perennial weeds Tank mixes with metribuzin products such as Lexone® or Sencor® may improve burndown of existing vegetation and improve residual control When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply
	Do not cut or harvest within 42 days of application Do not make more than 1 application per year Do not apply if spring regrowth is more than 2 or fall regrowth following last fall cutting is greater than 6	

ALFALFA Dormant season Tank Mix with Velpar® L Herbicide Region A ¹	0 7 1 3 pts mixed with 1 2 qts of Velpar L	Make one broadcast application to established alfalfa stands during the dormant season using the specified rate in a minimum of 10 gallons of spray per acre by ground or 10 gallons of spray per acre by air Use the lower rate of Parazone 3SL when weeds are less than 4 tall Parazone 3SL controls weeds such as chickweed downy brome and tansymustard Use the lower rate of Velpar L on loamy sands or sandy loams When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Temporary chlorosis may occur on alfalfa regrowth Plant stress due to disease insects winterkill frost or drought low fertility and overcutting may increase the chance of crop injury
	Do not apply if spring regrowth is more than 2 or fall regrowth following last fall cutting is greater than 6 Do not apply to alfalfa during the first season after seeding Do not use on gravelly or rocky soils exposed subsoils hardpan sand or poorly drained alkaline soils as crop injury including mortality may result Do not cut or harvest within 42 days of application Do not make more than 2 applications per year	
ALFALFA Dormant	See rate below based on geographical region	Make a broadcast application during the late fall or winter months after the last fall cutting and before the first spring cutting using the specified rate in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air Parazone 3SL is used 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 <u>In California only</u> Parazone 3SL is used for desiccation of weeds including bluegrass ryegrass shepherdspurse chickweed tansymustard foxtail sowthistle and groundsel use the higher rate if ryegrass shepherdspurse sowthistle or groundsel are present Applications to alfalfa that is not dormant or has broken dormancy may result in stand reduction or yield reductions Replanting may be necessary Foliage present at the time of application will be burned Tank mixes with metribuzin products such as Lexone or Sencor may improve burndown of existing vegetation and improve residual control in dormant established alfalfa (at least 1 year old) but do not use on newly established alfalfa (less than 1 year old) When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply if there is a severe weed infestation total hay yield of first cutting may be reduced in alfalfa fields and the reduction is typically directly proportionate to the loss of weed weight <i>(continued on next page)</i>
On established plantings Region B ²	0 7 1 3 pts	
On fall seeded newly established stands less than 1 year old Region A ¹	0 7 1 3 pts	
On fall seeded newly established stands less than 1 year old Region B ²	0 5 0 8 pt	
Do not apply more than one application per year Do not apply within 60 days of harvest Do not apply if spring regrowth after grazing or cutting is more than 2 in the California counties of Orange Riverside and all California counties north of these counties Do not apply if regrowth after grazing or cutting is more than 2 in all other areas within Region B		

¹Region A includes AK CA (Counties of Del Norte Siskiyou Modoc Shasta Lassen Plumas Sierra Nevada) CO CT DE ID IL IN IA KS KY ME MD MA MI MN MO MT NE NV NH NJ NY ND OH OR PA RI SD UT VT VA WA WV WI WY
²Region B includes AL AZ AR CA (All other counties not listed in Region) FL GA HI LA MS NM NC OK SC TN TX

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
ALFALFA Between cuttings treatment in established plantings (Includes first year alfalfa) (All states east of the Rocky Mountains)	0 7 pt	Apply the specified rate as a broadcast application using a minimum of 10 gallons of spray per acre by ground immediately after alfalfa has been removed for hay or silage In arid areas where moisture is limited when weeds beyond the seedling stage and stubble of weeds cut off during harvest will be less affected by this treatment and control may be affected First year alfalfa stands and yields may be reduced if alfalfa is allowed to regrow more than 2 Crop foliage present at the time of application will be burned
	Do not treat more than 5 days after cutting Do not make more than three applications per year during the growing season These sprays are in addition to a dormant application but do not apply more than twice during the first growing season of first year alfalfa Do not cut or harvest within 30 days of application	

ALFALFA
 Table 2 New Seedlings Suppression and control of broadleaf weeds and grasses in new alfalfa seedlings grown for hay (CA only)

For Control of	Rate/Acre	
	For Suppression	For Control
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
Fiddleneck (6 inches tall or less)	5 4 10 7 fl oz	21 3 fl oz

Shepherdspurse	10 7 21 3 fl oz	
Annual Bluegrass		10 7 21 3 fl oz
Chickweed		10 7 21 3 fl oz
Red Maids (6 inches tall or less)		10 7 21 3 fl oz

Do not use the 5 4 fl oz rate unless the alfalfa has at least 3 trifoliate leaves do not use the 10 7 fl oz rate unless the alfalfa has 6 trifoliate leaves or do not use rates over 10 7 fl oz unless there are 9 trifoliate leaves

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
ALMONDS	0 8 2 7 pts	Apply the specified rate as a directed spray in a minimum of 10 gallons of spray per acre by ground Use a shield or wrap the plant when spraying around young trees Mature woody weeds perennial weeds late germinating weeds and green suckers may need retreatment or spot treatments
		Do not graze treated areas Do not feed cover crops grown in treated areas to livestock Do not apply when nuts to be harvested are on the ground Do not allow spray to contact green stems (except suckers) or foliage Do not make more than 5 applications per year
ARTICHOKE (GLOBE)	1 7 2 7 pts	Apply the specified rate as a directed spray in a minimum of 20 100 gallons of spray per acre by ground Allow an interval of 7 days between applications
		Do not make more than 3 applications per season nor apply more than 8 pts per acre per season Do not harvest within one day of application
ASPAR AGUS	1 7 2 7 pts (preplant or preemergence)	Apply the specified rate as a preplant or preemergence application either broadcast or banded over the row in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air Plants that have emerged at the time of application will be killed Applications must be made before crop emergence
	1 7 2 7 pts (Preemergence to established plantings at least 2 years old)	Preemergence to established plantings at least 2 years old Apply the specified rate prior to emergence of crop or after last harvest either broadcast or banded over the row in a minimum of 10 gallons of spray per acre by ground Plants that have emerged at the time of application will be killed Do not apply within 6 days of harvest
		Do not make more than 3 applications per year for preplant or preemergence application
BEANS DRY ¹ PEAS DRY ² (See footnote in Comments section for list of approved commodities) Not for use in California	0 8 1 3 pts	Apply the specified rate as a harvest aid in a minimum of 20 gallons of spray per acre by ground or 5 gallons of spray per acre by air when the crop is mature and at least 80 / of the pods are yellowing and mostly ripe with no more than 40 / (bush type peas or beans) or 30 / (vine type peas or beans) of the leaves still green Add a nonionic spreader at 1 qt per 100 gallon For vining type beans or bush type with lush growth make a single application at the higher rate If making a split application do not make more than 2 applications or exceed a total of 1 3 pts per acre The split application may improve vine coverage ¹ Sweet lupin White sweet lupin White lupin Grain lupin Adzuki beans Asparagus beans Black beans Broad beans Field beans Garbanzo beans Kidney beans Lablab beans Lima beans Moth beans Mung beans Navy beans Pinto beans Rice beans Tepary beans Urd beans Guar ² Blackeyed peas Chickpeas Cowpeas Crowder peas Southern peas Catjang
		Do not apply when weather conditions favor drift Adding a drift control agent may reduce spray drift This use is not registered on dry beans or dry peas in California Do not make more than 2 applications Do not apply within 7 days of grazing or harvest
BERRIES ¹ (See footnote in Comments section for list of approved commodities)	1 3 2 7 pts	Apply specified rate in a minimum of 50 gallons of spray per acre by ground Apply as a postemergence directed spray Apply before emergence of new canes or shoots or crop injury can occur Apply a coarse spray to avoid injury from a fine spray mist ¹ Blackberries Blueberries Boysenberries Currant Elderberries Gooseberries Huckle berries Loganberries Raspberries
		Do not make more than 5 applications per year
CACAO (Not for use in California)	1 3 2 7 pts	Apply as a directed spray in a minimum of 50 200 gallons of spray per acre by ground when the weeds are succulent and growth is from 1 6 For mature woody weeds perennial weeds late germinating weeds and grasses retreatment or spot treatments may be needed but do not exceed five applications per year Protect young plants with a shield to prevent spray from contacting plants as injury may result
		Do not spray under windy conditions Do not graze treated areas or feed treated cover crops to livestock Do not apply within 1 day of harvest Do not exceed more than 5 applications per year
CASSAVAS TANIERS	1 3 pts	Apply as a shielded post directed spray in a minimum of 50 gallons of spray per acre by ground when the weeds are succulent and growth is from 1 6

YAMS (Puerto Rico only)	Do not make more than 3 applications per year on cassavas and taniers nor more than 2 applications per year on yams Do not allow spray to contact crop or injury may occur Do not spray under windy conditions Do not graze treated areas nor feed treated forage to livestock Do not apply within 90 days of harvest
-----------------------------------	---

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
CHEMICAL FALLOW Product Information	See below for specific rates depending on use site	For all chemical fallow applications apply in a minimum of 5 10 gallons of spray per acre by air or 5 60 gallons of spray per acre by ground If applying at less than 10 gallons per acre by ground also follow these additional precautions 1 Do not apply with floaters or exceed speed of 10 mph 2 Apply with flat fan nozzles only at 30 40 psi 3 Apply only in a tank mix with atrazine at a minimum of 0.5 lb a /acre Use higher spray volumes for better coverage as density of stubble crop residue or weeds increase To control volunteer wheat or downy brome fall applied treatments work best with Parazone 3SL 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 Cut wheat as high as possible to avoid cutting weeds too short and allow the weeds to grow at least 2 3 after harvest before applying Parazone 3SL 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 Refer to 2 4 D ester (low volatile) Banvel or residual herbicide label(s) for rates Additionally when tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply For extended weed control during the fallow period tank mixes with registered residual herbicide combinations other than those listed on this label are permissible Weeds taller than 6 may not be controlled Weeds and grasses emerging after application will not be controlled Crop plants emerged at the time of application will be killed
CHEMICAL FALLOW Continuous Wheat 2 3 Month Recropping Interval	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts	Make a broadcast application in a minimum of 5 gallons of spray per acre by ground or air at least 45 days before seeding For volunteer wheat or downy brome control in the spring use at least 1 3 pts per acre with a PSI herbicide (see section of the label entitled Tank Mixing For Improved Burndown of Difficult Weeds and Residual Weed Control for additional details) Refer to the section above entitled Chemical Fallow Product Information for additional instructions restrictions and precautions
Do not make more than 3 applications per year		
CHEMICAL FALLOW Wheat Fallow Rotations (Fall applied after harvest seeded 12 14 months later)	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts	Make a broadcast application in a minimum of 5 gallons of spray per acre by ground or air before weeds produce seed Volunteer wheat and downy brome are best controlled with late August or early September applications Tank mix with atrazine Marksman® Herbicide or Command® Herbicide (or similar product) for enhanced burndown and residual weed control Tank mixes with metribuzin products such as Lexone or Sencor may improve burndown of existing grass and broadleaf weeds and improve residual control When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Refer to the section above entitled Chemical Fallow Product Information for additional instructions restrictions and precautions
Do not make more than 3 applications per year		
CHEMICAL FALLOW Wheat Fallow Rotations (Spring applied seeded 3 5 months later)	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts	Make a broadcast application in a minimum of 5 gallons of spray per acre by ground or air Apply March 1 to April 15 prior to spring rains to conserve moisture Volunteer wheat is easier to control after the boot stage but soil moisture loss will be greater For volunteer wheat or downy brome control in the spring use at least 1 3 pts per acre with a PSI herbicide (see section of the label entitled Tank Mixing For Improved Burndown of Difficult Weeds and Residual Weed Control for additional details) Refer to the section above entitled Chemical Fallow Product Information for additional instructions restrictions and precautions Tank mixes with metribuzin products such as Lexone or Sencor may improve burndown of existing grass and broadleaf weeds and improve residual control When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply
Do not make more than 3 applications per year		

CHEMICAL FALLOW Wheat Annual Crop ¹ Wheat Rotations (Fall applied in wheat stubble)	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts	Make a broadcast application in a minimum of 5 gallons of spray per acre by ground or air after wheat harvest but before weeds produce seed. If foxtail or barnyardgrass recover, respray before they seed. Late August through November applications are more effective for control of volunteer wheat and downy brome. Tank mix with atrazine or Marksman [®] Herbicide for enhanced burndown and residual weed control. When tank mixing, read and carefully follow all applicable use directions, precautions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply. Refer to the section above entitled Chemical Fallow Product Information for additional instructions, restrictions, and precautions. ¹ Approved annual crops are grain sorghum, corn, wheat, and proso millet.
	Do not make more than 3 applications per year	

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
CHEMICAL FALLOW Wheat Annual Crop Wheat Rotations (Spring applied prior to planting an annual crop ¹) (See footnote in Comments section for list of approved crops)	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts	Make a broadcast application in a minimum of 5 gallons of spray per acre by ground or air. Tank mix with atrazine for enhanced burndown and residual weed control, noting the atrazine instructions regarding pH and recropping intervals. For volunteer wheat or downy brome control in the spring, use at least 1.3 pts per acre with a PSI herbicide (see section of the label entitled Tank Mixing For Improved Burndown of Difficult Weeds and Residual Weed Control for additional details). When tank mixing, read and carefully follow all applicable use directions, precautions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply. Refer to the section above entitled Chemical Fallow Product Information for additional instructions, restrictions, and precautions. ¹ Approved annual crops are grain sorghum, corn, wheat, and proso millet.
	Do not make more than 3 applications per year	

CLOVER AND OTHER LEGUMES¹ (See footnote in Comments section for list of approved crops)	See rate below for specific geographical region	For dormant season application only. Parazone 3SL will desiccate 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. In California, this product may be used for desiccation of weeds including bluegrass, ryegrass, shepherdspurse, chickweed, tansymustard, foxtail, sowthistle, and groundsel. In California, use high rate if ryegrass, shepherdspurse, sowthistle, or groundsel is present. Applications must be made in the late fall or winter months after the last fall cutting but before the first spring cutting. Applications to clover or other legumes that are not dormant or have broken dormancy may result in stand and/or yield reductions. Replanting may be necessary. Green clover or other legumes foliage present at the time of application will be burned, discolored, and/or temporarily stunted. Total hay yield of first cutting may be reduced in clover or other legumes fields with severe weed infestation. This reduction will usually be directly proportionate to the loss of weed weight. ¹ Other legumes include velvetbean, lespedeza, lupine, sainfoin, trefoil, vetch, crown vetch, and milk vetch.
	1 3 2 1 pts (On established plantings in Region A ²)	Make a broadcast application in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air. Do not make more than one application per year. Do not apply if regrowth after grazing or cutting is more than 2. Do not harvest within 60 days of application.
	0 7 1 3 pts (On established plantings in Region B ³)	Make a broadcast application in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air. Do not make more than one application per year. Do not apply if regrowth after grazing or cutting is more than 2. Do not harvest within 60 days of application.
	0 7 1 3 pts (On fall seeded newly established stands less than 1 year old in Region A ²)	Make a broadcast application in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air. Do not make more than one application per year. Do not apply if regrowth after grazing or cutting is more than 2. Do not harvest within 60 days of application.
	0 5 0 8 pts (On fall seeded newly established stands less than 1 year old in Region B ³)	Make a broadcast application in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air. Do not make more than one application per year. Do not apply if regrowth after grazing or cutting is more than 2. Do not harvest within 60 days of application.
		Make a broadcast application in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air. Do not make more than one application per year. Do not apply if regrowth after grazing or cutting is more than 2. Do not harvest within 60 days of application.

²Region A includes AK, CA (Counties of Del Norte, Siskiyou, Modoc, Shasta, Lassen, Plumas, Sierra, Nevada), CO, CT, DE, ID, IL, IN, IA, KS, KY, ME, MD, MA, MI, MN, MO, MT, NE, NV, NH, NJ, NY, ND, OH, OR, PA, RI, SD, UT, VT, VA, WA, WV, WI, WY.

³Region B includes AL AZ AR CA (All other counties not listed in Region A) FL GA HI LA MS NM NC OK SC TN TX

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
CORN¹ (Used alone) (See footnote in Comments section for list of approved crops)	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts	Apply preplant or preemergence either broadcast or banded over the row using the specified rate in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air. Apply prior to the emergence of the crop as plants that come in contact with the spray will be killed. Seeding must be done with a minimum of soil disturbance and seedbeds must be formed as far ahead of planting and treatment as possible to permit maximum weed and grass emergence. Applications made after weeds have emerged will not be controlled. Includes field fresh sweet forage fodder seed and popcorn.
Do not make more than three applications per year		
CORN Tank Mixes for No till/Reduced Till	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts	Apply preplant or preemergence either broadcast or banded over the row using the specified rate in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air. Ensure that any tank mix partners allow application by air. Apply before during or after planting but prior to the emergence of the crop as plants that come in contact with the spray will be killed. For improved burndown or residual control Parazone 3SL may be tank mixed with the following herbicides: 2 4 D ester (low volatile) Harness [®] AAtrex/Atrazine Harness [®] Xtra Banvel Lasso [®] Herbicide Bicep [®] MAGNUM Linex [®] Bicep Lite II MAGNUM Lorox [®] Dual MAGNUM [®] MANA Parallel [™] MANA Parallel Plus MANA Parallel PCS Princep [®] Frontier [®] Prow [®] Herbicide Guardsman [®] simazine Harmony [®] Extra Herbicide (Preplant Only) Surpass [®] EC Surpass [®] 100 Topnotch [®] . When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply. Parazone 3SL may also be tank mixed with Ambush [®] insecticide or other permethrin products.
Do not make more than three applications per year		
FIELD CORN POPCORN¹ SWEET CORN SEED CORN (Post emergence directed spray)	0 7 1 3 pts	Apply specified dosage in a minimum of 10 gallons of spray per acre by ground as a postemergence directed spray with or without a hooded or shielded sprayer. Use the higher rate on hard to control weeds weeds 6 or more tall may not be controlled. Corn plants that come in contact with the spray may be severely damaged or may be killed. Apply when weeds are actively growing. With hooded or shielded sprayers Use hooded or shielded sprayers with skids or wheels on the spray boom to maintain spray height so that excessive crop phytotoxicity may be avoided. Direct the spray between the rows ensuring that the hooded or shielded spray prevents contact with corn plants. Without hooded or shield sprayers When making a directed application without hooded or shielded sprayer apply when corn is at least 10 tall with nozzles arranged to spray no higher than the lower 3 of the corn stalks. If corn is 20 tall or more arrange nozzles so they spray no higher than the lower 1/3 of the corn stalks. Corn plants shorter than 10 inches may be injured and not recover. Injury to corn foliage will occur if sprayed however corn will recover and develop normally. Corn height is measured from soil surface to top of whorl.
Do not make more than three applications per year		
FIELD CORN POPCORN SEED CORN	0 8 1 3 pts	Apply specified dosage as a harvest aid broadcast application in a minimum of 20 gallons of spray per acre by ground or 5 gallons of spray per acre by air after the corn is mature. A black layer at the base of the kernels indicates maturity. Consult your local agricultural authority with help in identifying the black layer. Add nonionic surfactant containing at least 75 / surface active ingredient at 0.25 / v/v. Use the higher rate to desiccate mature broadleaf weeds and grasses or on broadleaf weeds and grasses taller than 18. Drought stressed plants (especially broadleaf weeds) can be difficult to kill and desiccation may not be complete.
Do not apply within 7 days of harvest Make only one application per year		
FIELD CORN ONLY (grain fodder forage)	1 3 pts	For use in the USDA Witchweed Eradication Program apply specified dosage by post emergence directed spray in a minimum of 10 gallons of spray per acre by ground. If regrowth occurs initiate sprays in late June to early July and repeat in early August. Follow application instructions in post emergence directed spray section above.
Do not make more than 3 applications per year		
FIELD CORN ONLY (grain fodder forage) 2 4 D Amine Tank Mix	5 4 fl oz + 0 5 lb 2 4 D Amine AE	For use in the USDA Witchweed Eradication Program make applications at the specified dosage in a minimum of 10 gallons of spray per acre as a post emergence directed spray to grassy weeds and witchweed before witchweed blooms. Reapply if regrowth occurs. When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply. Follow applications instructions in post emergence section above.
Do not make more than 3 applications per year		

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
COTTON (Used alone)	1 7 2 7 pts	Apply preplant or preemergence at the specified rate in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air prior to during or after planting but before crop emergence For fallow bed treatment beds must be preformed to permit maximum weed and grass emergence before an application of Parazone 3SL When seeding a minimum amount of soil disturbance must occur
Do not make more than 3 applications per year		
COTTON (Used alone) (California only)	5 4 10 7 fl oz	Apply specified dosage in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air as a preplant application This application is used to control volunteer barley in preformed seedbeds
Do not make more than 3 applications per year		
COTTON Goal®/ Galigan®Her bicide Tank Mix	1 7 2 7 pts	Apply specified dosage in a minimum of 10 gallons of spray per acre by ground or air as a preplant or fallow bed broadcast application Add Goal or Galigan according to the rate on the product label When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply
Do not make more than 3 applications per year		
COTTON Other Tank Mixes	1 7 2 7 pts	Apply specified dosage as a preplant or preemergence broadcast spray in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air before during or after planting but before crop emergence For improved burndown and residual control Parazone 3SL may be tank mixed with the following herbicides Cotoran® Herbicide Meturon® Herbicide Cotton Pro® Herbicide Caparol® Herbicide diuron herbicides Harmony® Extra (Preplant Only) MSMA herbicides Zorial® Herbicide Dual MAGNUM® MANA Parallel PCS MANA Parallel Prowl® When tank mixing with Cotoran DF or Meturon DF follow the mixing instructions on the respective labels and maintain constant agitation When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply
Do not make more than 3 applications per year		
COTTON Post emergence Directed Spray (Hooded or Shielded)	1 2 2 0 pts	Apply when weeds are actively growing and between 1 6 in height If multiple applications are made allow 14 days between applications Use higher rate on dense populations and/or larger or hard to control weeds Weeds 6 or taller may not be controlled Avoid contact with crop Intentional or accidental contact (including drift) of Parazone 3SL with the crop may result in severe damage or loss of the crop Apply by directing spray between the rows and using hooded or shielded sprayers to prevent contact with crop plants Equipment should be in good operating condition Avoid leakage or dripping onto crop Variation in equipment design may affect level of weed control Keep hoods or shields adjusted to insure adequate contact with weeds while shielding the crop from the herbicide To minimize drift do not use nozzles or nozzle configurations or adjuvants which produce fine spray droplets (mist) May be tank mixed with other postemergence directed herbicides When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply
Do not make more than 3 applications per year		
Not for use in California		
COTTON Harvest aid	See rate below for specific rate based on geographical region	Parazone 3SL may be used as a harvest aid in cotton growing areas of the US Repeat application if necessary but do not exceed four applications per year or 1 3 pints per acre per year This product may be tank mixed with other cotton harvest aid materials known to be effective by local experience Unless otherwise instructed in this label refer to tank mix product label for rates directions limitations and precautions Parazone 3SL can also be applied in a tank mix with methyl parathion and/or Karate® or Silencer® insecticides Nodes above cracked bolls (NACB) timing is for guidance and is not intended to restrict local experience
	5 4 fl oz + 1 pt phosphate or 1 gal chlorate (southern cotton)	Use in southern cotton to aid in the defoliation and opening of mature bolls Tank mix with phosphate and chlorate defoliants Apply specified dosages by broadcast application when 80 / or more of the bolls are open and the remaining bolls to be harvested are mature in a minimum of 10 gallons of spray per acre by ground and 5 gallons of spray per acre by air Use of this tank mix will inhibit the development of immature bolls Do not apply within 7 days of harvest and grazing
When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Do not pasture livestock in treated fields or feed treated foliage Do not exceed a total of 1 3 pts/A as a harvest aid Do not make more than 4 applications per year		

2 1 3 3 fl oz (southern cotton)	Use in southern cotton to aid in the defoliation and opening of mature bolls at specified rate as a broadcast application in 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air Parazone 3SL can be mixed with Accelerate® Defoliant Def® Defoliant Dropp® Defoliant Ethephon Plant Growth Regulator Folex® Defoliant Harvade® Harvest Growth Regulant Prep® PGR Apply when 60 / or more of the bolls are open and the remaining bolls to be harvested are mature Development of immature bolls will be inhibited
When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Do not pasture livestock in treated fields or feed treated foliage Do not exceed a total of 1 3 pts/A as a harvest aid Do not make more than 4 applications per year	
0 7 1 3 pts (southern cotton)	Use in southern cotton as a post defoliation treatment to aid in opening of mature bolls and in the desiccation of green weeds Apply at the specified rate by broadcast application in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air when 75 / or more of the bolls are open and the remaining bolls to be harvested are mature Development of immature bolls will be inhibited To avoid leaf sticking apply Parazone 3SL as a desiccant approximately 3 7 days after defoliation or a conditioning application If weed infestation is heavy or dense use the higher rate
When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Do not pasture livestock in treated fields or feed treated foliage Do not exceed a total of 1 3 pts/A as a harvest aid Do not make more than 4 applications per year Do not apply within three days of harvest or grazing	
3 7 5 4 fl oz + phosphate or sodium chlorate and/or other compatible harvest aid products (western cotton)	Use in western cotton to aid in boll opening and for early defoliation Use the higher rate on rank cotton Early defoliation occurs when 60 / or more of the bolls are open and the remaining bolls to be harvested are mature (approximately 4 NACB) Do not use more than 5 4 fl oz of Parazone 3SL for early defoliation as excessive desiccation may occur Development of immature bolls will be inhibited When using sodium chlorate do not use more than 4 lbs of actual defoliant per acre at this early defoliation timing Make a broadcast application in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air Do not graze or harvest within 7 days of application when following this schedule
When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Do not pasture livestock in treated fields or feed treated foliage Do not exceed a total of 1 3 pts/A as a harvest aid Do not make more than 4 applications per year	
5 4 10 7 fl oz alone or tank mix with sodium chlorate or phosphate defoliant and/or other compatible harvest aid products (Western and Texas cotton)	For use in cotton for boll opening and as a mid to late defoliation treatment Mid to late defoliation timing is when 75 / or more of the bolls are opening and the remaining bolls to be harvested are mature (approximately 3 or fewer NACB) Development of immature bolls will be inhibited In desert cotton or on rank vigorous cotton use the higher rate of Parazone 3SL Make a broadcast application in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air Do not harvest within 7 days of application when used with phosphate or chlorate defoliants

(continued on next page)

COTTON Harvest aid (continued)	When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Do not pasture livestock in treated fields or feed treated foliage Do not exceed a total of 1 3 pts/A as a harvest aid Do not make more than 4 applications per year Do not apply within three days of harvest or grazing
---	---

	<p>2 1 7 5 fl oz (stripper or spindle harvested – all areas)</p>	<p>Stripper or Spindle Harvested Apply when 75 / of the bolls are open and the remaining bolls to be harvested are mature Make a broadcast application at the specified dosage in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air for defoliation and boll opening It is advisable to apply the range of rates on a small block of cotton to determine the rate that best fits your environmental and plant conditions Development of immature bolls will be inhibited Slice bolls and inspect seed for maturity Parazone 3SL may be applied alone or tank mixed with the following cotton harvest aids Accelerate Defoliant Folex Defoliant Def Defoliant Harvade Harvest Growth Regulant Dropp® Defoliant Prep PGR Ethephon Plant Growth Regulator or other products containing ethephon Split applications may be made but do not exceed a total of 1 3 pints per acre To avoid leaf sticking apply Parazone 3SL as a desiccant approximately 3 7 days after defoliation or a conditioning application and 7 14 days before harvest Cooler temperatures may cause a longer waiting period between application of Parazone 3SL as a desiccant and defoliation/conditioner Lower rates in the range may be necessary south of I 10 in Texas where temperatures are typically higher during defoliation</p>
<p>When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Do not pasture livestock in treated fields or feed treated foliage Do not exceed a total of 1 3 pts/A as a harvest aid Do not make more than 4 applications per year Do not apply within three days of harvest or grazing</p>		
<p>COTTON Harvest aid (continued)</p>	<p>0 7 1 3 pts (late season desiccation)</p>	<p>Late season desiccation Apply when 85 / of the bolls are open and the remaining bolls to be harvested are mature Apply specified dosage by broadcast application in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air It is advisable to apply the range of rates on a small block of cotton to determine the rate that best fits your environmental and plant conditions Development of immature bolls will be inhibited Slice bolls and inspect seed for maturity Split applications may be made but do not exceed a total of 1 3 pints per acre To avoid leaf sticking apply Parazone 3SL as a desiccant approximately 3 7 days after defoliation or conditioning Lower rates in the range may be necessary south of I 10 in Texas where temperatures are typically higher during defoliation</p>
<p>When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Do not pasture livestock in treated fields or feed treated foliage Do not exceed a total of 1 3 pts/A as a harvest aid Do not make more than 4 applications per year Do not apply within three days of harvest or grazing</p>		
<p>0 7 5 1 25 pts (desiccation of regrowth)</p> <p>Apply as a broadcast application in 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air Use to desiccate regrowth occurring after defoliation or desiccation Control is dependent on growing conditions and desiccation of small new regrowth may not always be complete Use the higher rate if regrowth is excessive Because regrowth is difficult to control thorough coverage with the full rate is necessary</p>		
<p>When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Do not pasture livestock in treated fields or feed treated foliage Do not exceed a total of 1 3 pts/A as a harvest aid Do not make more than 4 applications per year Do not apply within three days of harvest or grazing</p>		

COTTON Harvest aid (Texas except in the counties of Starr Hidalgo Willacy and Cameron)	2.7 to 3.3 fl oz (0.06 to 0.08 lb ai) (for boll opening and defoliation)	To aid in defoliation and opening of mature bolls Parazone 3SL may be tank mixed with the following products DEF [®] defoliant Dropp [®] defoliant Prep [™] PGR Folex [®] defoliant Accelerate [®] defoliant Apply when 60% or more of the bolls are open and remaining bolls to be harvested are mature Development of immature bolls will be inhibited Refer to tank mix product label for rate directions limitations and precautions
	When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Use a minimum total spray volume per acre of 10 gallons by ground and 5 gallons by air 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 specified rate that best fits your needs Do not pasture livestock in treated fields or feed treated foliage Do not exceed a total of 32 fl oz (0.75 lb ai) per acre per crop season Up to 3 multiple broadcast harvest aid applications may be made Allow 7 days between applications Do not apply within three days of harvest or grazing Do not harvest within 7 days of application if used with phosphate or chlorate defoliants When combined with phosphate defoliants observe livestock precautions listed on the phosphate label Do not pasture lactating dairy animals When combined with phosphate defoliants observe livestock precautions listed on the phosphate label	
	11.2 to 21 fl oz (0.26 to 0.49 lb ai) Late season harvest aid desiccation of stripper cotton or spindle harvested cotton	Use to desiccate regrowth occurring after defoliation or desiccation Apply when 85% of the bolls are open and the remaining bolls to be harvested are mature Development of immature bolls will be inhibited Slice bolls and inspect the seed for maturity To avoid leaf sticking apply Parazone 3SL as a desiccant approximately 3 to 7 days after defoliation or a conditioning application and 7 to 14 days before harvest Lower rates in the range may be necessary south of I 10 in Texas where temperatures are typically higher during defoliation
	When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Use a minimum total spray volume per acre of 10 gallons by ground and 5 gallons by air 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 specified rate that best fits your needs Do not pasture livestock in treated fields or feed treated foliage Do not exceed a total of 32 fl oz (0.75 lb ai) per acre per crop season Up to 3 multiple broadcast harvest aid applications may be made Allow 7 days between applications Do not apply within three days of harvest or grazing Do not harvest within 7 days of application if used with phosphate or chlorate defoliants Do not pasture lactating dairy animals When combined with phosphate defoliants observe livestock precautions listed on the phosphate label	
	11.2 to 21 fl oz (0.26 to 0.49 lb ai) Desiccation of regrowth	Use to desiccate regrowth occurring after defoliation or desiccation Regrowth is difficult to control therefore thorough coverage with the full specified rate is necessary Control is dependent upon growing condition and desiccation of small new growth may not always be complete Use higher specified rate if regrowth is excessive
	When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Use a minimum total spray volume per acre of 10 gallons by ground and 5 gallons by air 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 specified rate that best fits your needs Do not pasture livestock in treated fields or feed treated foliage Do not exceed a total of 32 fl oz (0.75 lb ai) per acre per crop season Up to 3 multiple broadcast harvest aid applications may be made Allow 7 days between applications Do not apply within three days of harvest or grazing Do not harvest within 7 days of application if used with phosphate or chlorate defoliants Do not pasture lactating dairy animals When combined with phosphate defoliants observe livestock precautions listed on the phosphate label	

EASTER LILIES (Field grown)	1 7 2 7 pts	Apply preemergence in a minimum of 10 gallons of spray per acre by ground
	Do not make more than 2 applications per year	
FALLOW LAND Prior to planting of any crops	1 0 2 7 pts	Apply specified dosage as a broadcast application in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air for the control of weeds such as bluegrass chickweed henbit downy brome ryegrass cheatgrass dog fennel tansy mustard London rocket sowthistle rescue brome wild oats volunteer cereals and other winter annuals and for suppression of perennial weeds or sedges Use the higher rate for weeds approaching the maximum size of 6 Fallow land may be between operations such as disking ripping plowing leveling irrigating or listing for ground preparation purposes For best results allow maximum weed emergence prior to application Adhere to the preharvest intervals and other crop specific restrictions for planted crops elsewhere on this label
	Do not make more than 2 applications during the fallow period	
GRASSES (For Seed) (For Use in Seedbed Preparation)	1 3 2 7 pts	Apply specified dosage preplant at planting or preemergence in 10 gallons of spray per acre by ground Prepare the seedbeds and allow weeds to germinate When weeds are at the 3 5 leaf stage apply Parazone 3SL Repeat applications as necessary prior to grass emergence but do not exceed three applications per year
	Do not graze treated areas or use the seed or straw from treated areas for animal feed or bedding Do not make more than 3 applications per year	
GRASSES (Kentucky Bluegrass grown for seed only) (Minnesota only)	1 0 1 5 pts	Apply specified dosage by ground in a minimum of 10 gallons of spray per acre and by air in a minimum of 5 gallons of spray per acre For use on Kentucky bluegrass seed production fields in Minnesota as a post harvest application to facilitate burning Add a nonionic surfactant at a rate of 1 pint per 100 gals (75 / or greater surface active ingredient) or 2 pints per 100 gallons (50 74 / surface active ingredient) Make application 1 4 weeks after harvest and wait 3 7 days before burning fields
	Do not apply more than 2 applications per season Do not apply this product through any type of irrigation system Do not graze or feed hay from treated fields prior to burning	
GUAR	1 3 pts	Apply specified dosage for preharvest desiccation in a minimum of 10 gallons of spray per acre by ground after the pods are fully mature
	Do not graze treated areas or use the treated forage for animal feed Do not make more than 3 applications per year Do not apply within 4 days of harvest or grazing	
GUAVA	2 5 pts	Apply specified dosage as a directed spray in a minimum of 10 gallons of spray per acre by ground Retreatment and/or spot spraying may be necessary for mature woody weeds late germinating weeds and grasses and perennials
	Do not make more than 4 applications per year Do not allow spray to contact green stems fruit or foliage Do not graze treated areas Do not feed cover crops grown in treated areas to livestock	
HOPS (ID OR & WA only)	1 3 pts	Apply specified dosage as a directed spray in a minimum of 10 gallons of spray per acre by ground For suckering and stripping spray only the basal 2 ft of the vines Repeat as necessary but do not exceed three applications per year Experience with varieties other than Cascade Yakima Cluster and Bullion is limited If using Parazone 3SL on varieties other than these test on a small number of vines of each variety to determine sensitivity to injury and do not use on unlisted varieties if unacceptable crop injury occurs For chemical pruning to burn back existing vines and obtain even emergence of subsequent vines spray when vines are less than 3 ft tall Unacceptable injury may occur when applications are made to vines less than 6 ft tall
	Do not apply within 14 days of harvest or grazing Do not apply more than 3 times per year Do not allow spray to contact green stems foliage flowers or cones as injury may result Do not allow animals to graze in treated hopyards but hop vine refuse and silage may be fed to livestock	
LENTILS (Not for use in California)	0 8 1 3 pts	Apply specified dosage as a harvest aid in a minimum of 20 gallons of spray per acre by ground and 7 gallons of spray per acre by air plus a nonionic surfactant at 0 25 / v/v (2 pts per 100 gallons) of the finished spray volume Apply when the crop is mature and at least 80 / of the pods are yellowing and mostly ripe No more than 30 / of the leaves should still be green in color To improve coverage a split application may be made
	Do not apply when weather conditions favor spray drift A drift control agent may be included to reduce spray drift Not registered for use on lentils in California Do not apply more than 2 applications per year nor exceed a total of 1 3 pts per acre Do not apply within 7 days of harvest	

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
MINT (Peppermint Spearmint)	1 3 2 0 pts	Apply during the dormant season before spring growth when weeds are less than 6" tall using the specified dosage in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air. Use for the suppression of weeds such as Italian ryegrass, prickly lettuce, groundsel, chickweed, downy brome and bluegrass. This product 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. When tank mixing, read and carefully follow all applicable use directions, precautions and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply.
	Do not apply more than 2 pts per acre per dormant season Do not make more than 2 applications per year.	
ONIONS (seeded) GARLIC	1 7 2 7 pts	Apply specified dosage preplant or preemergence in a minimum of 10 gallons of spray per acre by ground. The higher rate must be used for heavy infestations or for wild oat control. Allow maximum weed and grass emergence prior to treatment but apply prior to crop emergence.
	Do not apply within 60 days of harvest in all states except California. In California, do not apply within 200 days of harvest. Do not apply more than 2.7 pts per acre per year nor apply more than once per year.	
PASSION FRUIT	2 5 pts	Make a directed spray at the specified rate in a minimum of 10 gallons of spray per acre by ground. If bark is still green at the time of application, use a shield or wrap the vine. If making applications close to or during harvest, pick all fruit off the ground prior to application. Retreat as necessary, up to five times per year.
	Do not make more than 5 applications per year Do not allow animals to graze in treated areas.	
PEANUTS	5 4 10 8 fl oz	Apply specified dosage as a broadcast application in a minimum of 10 gallons of spray per acre at ground cracking. A second application may be made up to 28 days after ground crack. This application will control or suppress small (1.6") emerged annual grass and broadleaf weeds. For at ground crack use Parazone 3SL can be tank mixed with Pursuit® Herbicide, MANA Parallel® PCS or Dual MAGNUM® for residual weed control. When tank mixing, read and carefully follow all applicable use directions, precautions and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply. Crop foliage sprayed will be injured in the form of bronzing and crinkling but the crop will recover and develop normally.
	Do not apply by air Do not make more than 2 applications per season nor apply a total of more than 10.8 fl oz of product per acre per season.	
PEANUTS Basagran® Herbicide Tank Mix	5 4 10 8 fl oz + 1 pt Basagran	Apply specified dosage as a broadcast application in a minimum of 10 gallons of spray per acre at ground crack stage of peanuts. A second application may be made up to 28 days after ground crack. A tank mix application of Parazone 3SL with Basagran will improve control of cocklebur, bristly starbur, smartweed and prickly sida. When tank mixing, read and carefully follow all applicable use directions, precautions and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply. Crop foliage sprayed will be injured in the form of bronzing and crinkling but the crop will recover and develop normally.
	Do not apply by air Do not make more than 2 applications per season nor apply a total of more than 10.8 fl oz of product per acre per season. Do not apply this tank mix if peanuts show injury (leaf phytotoxicity and/or plant stunting) produced by any other herbicide treatment as injury may be enhanced and/or prolonged. Do not apply this tank mix during prolonged periods of drought or unseasonably cold weather as unsatisfactory weed control may result.	
PEANUTS Butyrac® Herbicide or Butoxone® 200 Herbicide Tank Mix	5 4 10 8 fl oz + 8 16 oz (0 125 0 25 lbs) Butyrac or Butoxone 200	Apply as a broadcast postemergence application at the specified dosage in a minimum of 10 gallons of spray per acre by ground. A tank mix application of Parazone 3SL with Butyrac or Butoxone 200 will improve control of weeds such as cocklebur, sicklepod and morningglory. When tank mixing, read and carefully follow all applicable use directions, precautions and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply. Crop foliage sprayed will be injured in the form of bronzing and crinkling but the crop will recover and develop normally.
	Do not apply by air Do not make more than 2 applications per season nor apply a total of more than 10.8 fl oz of product per acre per season.	

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
PEANUTS Suppression of glyphosate resistant Palmer Amaranth (Not for use in CA unless accompanied by a supplemental label)	Mix 1 part Parazone with 2 parts water to prepare a 33/ solution Add non ionic surfactant at 0.25 / v/v (2 pints/100 gal) of finished volume Apply up to 2 pints/acre of the herbicide water mixture	Apply through a recirculating rope wick or carpet roller equipment for suppression or control of glyphosate resistant Palmer Amaranth or to prevent seed production In order to prevent seed production an application must be made prior to formation of viable seed Make application at least 6 inches above the peanut canopy Set application equipment to avoid dripping Low ground speed enhances coverage which leads to improved weed control Use ground speeds of 5 mph or less Delaying application to late afternoon or early evening will enhance control of large weeds Follow application equipment manufacturer s directions
		Do not apply more than 0.67 pints/acre (0.25 lbs ai/acre) of Parazone using the recirculating wick or carpet roller application method Do not exceed 0.5 lb ai/acre total for all Parazone applications to peanut Do not allow livestock to graze in treated areas Do not feed hay or threshings from treated fields to livestock
PERSIMMON (Not for use in CA unless accompanied by a supplemental label)	2.5 pts	Apply specified dosage as a directed spray in a minimum of 10 gallons of spray per acre by ground Mature woody weeds late germinating weeds and grasses and perennials may need spot spraying or retreatment but do not exceed five applications per year
		Do not allow spray to contact green stems fruit or foliage Do not graze treated areas Do not feed cover crops grown in treated areas to livestock Do not make more than 5 applications per year
PIGEON PEAS (Puerto Rico only)	1.3 pts	Apply specified dosage as a directed spray in a minimum of 10 gallons of spray per acre by ground Avoid contact with crop foliage
		Do not make more than 1 application per season or per year Do not graze treated areas or feed treated forage to livestock Cannery waste can be fed to livestock Do not apply within 60 days of harvest
PINEAPPLE	1.327 pts	Apply specified dosage as a directed spray in a minimum of 10 gallons of spray per acre by ground On mature or hard to control weeds retreatment may be necessary but do not exceed three applications per year
		Do not make more than 3 applications per season Do not apply within 20 days of harvest
POTATO	0.713 pts	Apply specified dosage as a preplant or preemergence broadcast spray in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air Applications may be made up to ground cracking but before potatoes have emerged
		Do not make more than 3 applications per year
POTATO (Used alone) (CA WA ID OR only)	0.407 pt	Apply specified dosage as a preplant broadcast spray in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air This application is used for volunteer barley control in preformed seedbeds
		Do not make more than 3 applications per year
POTATO (Fresh market potatoes only) ¹ (see Comments section for list of states)	0.713 pts	Apply specified dosage for preharvest vine killing and weed desiccation as a broadcast spray in a minimum of 20 gallons of spray per acre by ground When quick vine kill is desired use 1.3 pts per acre When vine growth is dense use two applications at 0.6 pt per acre Allow a minimum of five days between split applications Fresh Market Potatoes include potatoes that are sent directly from the field to a consumer grocery store or processor for use Potatoes must be harvested promptly after desiccation and consumed or processed immediately Begin application when leaves begin to turn yellow Immature potato foliage is tolerant to Parazone 3SL however desiccation will not be complete under this condition ¹ For Use Only in the states of CO DE ID IL IN KS ME MD MA MI MN NE NV NJ NY ND OH OR PA SD UT WA WI WY
		Do not use on potatoes that will be stored as tuber decomposition may result Do not apply to drought stressed potato vines Do not use to desiccate the vines of seed potatoes as seed pieces may fail to germinate and grow normally Do not pasture livestock in treated potato fields Do not exceed 2.6 pts/A per season Do not make more than 2 applications per year Do not apply within 3 days of harvest

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
RICE	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 0 pts Weeds 6 2 0 2 7 pts	Apply as a broadcast spray before during or after planting but before crop emergence in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air Use higher specified rates and spray volumes when vegetation is dense Seeding must be done with a minimum amount of soil disturbance Weeds and grasses emerging after application will not be controlled but crop plants exposed to application will be killed For improved or extended weed control Parazone 3SL may be tank mixed with other herbicides registered for this use When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply 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 Do not make more than 3 applications per year
	1 7 2 7 pts	Apply broadcast or banded over row before during or after planting but before crop emergence in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air Do not make more than 3 applications per year
SAF FLOWER (CA only)	0 7 pt	Apply as a preplant broadcast spray in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air This application is effective for control of volunteer barley in preformed seedbeds Do not make more than 3 applications per year
SMALL GRAINS (Barley Wheat)	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts	Apply specified dosage preplant or preemergence in a minimum of 5 gallons of spray per acre by ground or air Do not make more than 3 applications per year
	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts	Apply specified dosage preplant or preemergence in a minimum of 10 gallons of spray per acre by ground and 5 gallons of spray per acre by air A tank mix with Hoelon 3EC applied when weeds are 1 6 in height and are actively growing will improve grass control Weeds 6 inches or taller may not be controlled When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Do not make more than 3 applications per year Do not apply this tank mix on barley as crop injury may result
SORGHUM (Grain)	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts	Apply specified dosage preplant or preemergence in a minimum of 10 gallons of spray per acre by ground and 5 gallons of spray per acre by air as a broadcast or banded application Seedbeds must be formed as far ahead of planting as possible to allow maximum weed and grass emergence Seeding must be done with a minimum of soil disturbance Do not make more than 3 applications per year Do not apply within 48 days of harvest for grain and 20 days of harvest for forage
	Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts	For preplant or preemergence application Parazone 3SL may be tank mixed with atrazine for improved preemergence or residual weed control The addition of 2 4 D ester (low volatile) may aid in the suppression of perennial and annual broadleaf weeds emerged at the time of application When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Do not make more than 3 applications per year Do not apply within 48 days of harvest for grain and 20 days of harvest for forage
SORGHUM (Grain) Harmony® Extra Herbicide Tank Mix	1 3 2 5 pts	Make a preplant application at the specified dosage in a minimum of 10 gallons of spray per acre by ground Parazone 3SL may be tank mixed with Harmony Extra for improved weed control When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply Do not make more than 3 applications per year Do not apply within 48 days of harvest for grain and 20 days of harvest for forage

<p>SORGHUM (Grain)</p>	<p>0 7 1 3 pts</p>	<p>Apply specified dosage as a postemergence directed spray (including hooded or shielded) in 10 gallons of spray per acre by ground when weeds are actively growing Use higher specified rate on larger or hard to control weeds Weeds 6 or taller may not be controlled Because spray can severely damage and/or kill sorghum plants applications must be made with either hooded or shielded sprayers or as a directed spray as outlined below To avoid excessive crop phytotoxicity use a hooded or shielded sprayer with skids or wheels on the spray boom to maintain spray height Apply by directing spray between the rows and using hooded or shielded sprayers to prevent spray contact with crop plants If applying without a hooded or shielded sprayer apply when sorghum is at least 12 tall when naturally standing Do not exceed 30 psi nozzle pressure or spray under conditions which may cause excessive drift Use precision directed spray application equipment adjusted so that no more than the lower 3 of the sorghum stalk is contacted by the application spray Some crop injury will occur The degree of injury is related to the precision of application and spraying conditions</p> <p>Do not exceed 2 postemergence directed applications or exceed a total of 5 3 pts Parazone 3SL per season or per year Do not apply within 48 days of harvest for grain and 20 days of harvest for forage</p>
<p>SOYBEANS</p>	<p>Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts</p>	<p>Apply specified dosage as a broadcast spray before during or after planting but before crop emergence in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air Parazone 3SL may be tank mixed with the following herbicides for improved burndown or residual control 2 4 DB Canopy Dual MAGNUM Goal or Galigan Harmony Extra (Preplant Only) Lasso Lexone Linex Lorox Lorox Plus Prowl Pursuit Herbicide Scepter Herbicide Sencor Surflan® Herbicide Turbo® Herbicide The rate of Parazone 3SL to be used in these tank mixtures is dependent on weed height and growing conditions Use the highest specified rate of Parazone 3SL under dry conditions or where the weed canopy is dense The lower rate may be used when weeds are less than 4 tall and a selective postemergence spray or cultivation will be made within 3 weeks after planting Seeding must be done with a minimum amount of soil disturbance When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply</p> <p>Do not exceed a total of 4 0 pts of Parazone 3SL per season Do not make more than 3 applications per year Do not graze or harvest for forage or hay before the R3 stage of soybean development (early pod)</p>
<p>SOYBEANS 2 4 D ester (low volatile) Tank Mix</p>	<p>Weeds 1 3 1 3 1 7 pts Weeds 3 6 1 7 2 pts Weeds 6 2 2 7 pts + 0 35 0 475 lb a i 2 4 D ester (low volatile) at least 7 days prior to planting or + 0 475 0 95 lb a i 2 4 D ester (low volatile) at least 30 days prior to planting</p>	<p>Apply preplant or preemergence at the specified dosage in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air When tank mixing read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply</p> <p>Do not make more than 3 applications per year Do not use the amine formulation of 2 4 D as the activity of Parazone 3SL may be reduced Do not apply 2 4 D ester (low volatile) prior to planting soybeans if soybean injury including possible loss of stand and yield are not acceptable</p>
<p>SOYBEANS</p>	<p>3 0 5 3 fl oz (post emergence directed spray includes hooded or shielded)</p>	<p>Apply specified dosage as a postemergence directed spray (includes hooded or shielded) in a minimum of 10 gallons of spray per acre by ground when weeds are actively growing Use the lower rate to control seedling Johnsongrass crabgrass goosegrass brachiaria Texas millet and pigweed less than 2 tall Use the highest rate for control of 2-4 red rice Brachiaria barnyard grass crabgrass goosegrass seedling Johnsongrass giant foxtail fall panicum 2 3 sicklepod purslane pigweed cutleaf ground cherry and common ragweed Add 2 4 D at rates specified on the label of the product you are using for control of 2-4 inch grasses in mixture with common cocklebur morningglory and red rice If necessary a second application may be made 7 14 days later Hooded or shielded sprayers must be used by directing spray between the rows to prevent spray contact with crop plants Use higher rate on larger (<6) or hard to control weeds Weeds 6 or taller may not be controlled Severe damage and/or complete kill can occur if spray intentionally or accidentally (including drift of fine droplets) contacts the plants If making applications without hooded or shielded sprayers 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 Do not exceed 30 psi nozzle pressure or spray under conditions which may cause excessive drift Do not treat if soybeans are less than 8 tall Some crop injury will occur The degree of injury is related to the precision of application and spraying conditions When tank mixing with 2 4 D read and carefully follow all applicable use directions precautions and limitations on the respective product label(s) In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply</p>

	<p>Do not make more than 3 applications per year Do not graze or harvest for forage of hay</p>
5 4 10 7 fl oz	<p>Harvest Aid Apply specified rate in a minimum of 20 gallons of spray per acre by ground or 5 gallons of spray per acre by air On indeterminate varieties apply when at least 65 / of the seed pods have reached a mature brown color or when seed moisture is 30 / or less On determinant varieties apply when plants are mature i e beans are fully developed / of leaves have dropped and remaining leaves are yellowing Immature soybeans will be injured Use the higher rate for cocklebur control Mature cocklebur especially drought stressed plants are tolerant to Parazone 3SL and desiccation will not be complete</p>
	<p>Do not apply within 15 days of harvest Do not make more than 3 applications per year Do not graze or harvest for forage or hay</p>

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
STRAW BERRIES	1 3 pts	Apply as a postemergence directed spray in a minimum of 20 gallons of spray per acre by ground directing the spray between the rows and using shields to prevent contact with the crop
		Do not allow spray to contact strawberry plants as injury or excessive residues may result Do not apply more than 3 times per season or per year Do not graze livestock in treated areas Do not apply within 21 days of harvest
SUGAR BEETS	1 3 2 7 pts	Apply specified dosage preplant or preemergence in a minimum of 10 gallons of spray per acre by ground and 5 gallons of spray per acre by air Use the higher rate for heavier weed infestations Seedbeds or plantbeds must be formed as far ahead of treatment as possible to permit maximum weed emergence with a minimum amount of soil disturbance when seeding or transplanting occurs Crop plants emerged at time of application will be killed This application may be used in fallow bed/stale seedbed for weed control
		Do not make more than 3 applications per year
SUGAR CANE	See rate below based on geographical area to be treated	For all sugarcane growing areas the following comments are applicable Apply as a hooded shielded or directed post emergence spray to avoid contact with cane foliage to prevent leaf burn and yield reduction Make a second and final application if necessary when new weed growth is 2 6 high
	1 3 pts (FL only)	In Florida apply specified rate in a minimum of 50 gallons of spray per acre by ground in early spring (March April) when weeds are small Do not apply after June 1 as cane growth may be stunted and yields reduced
		Do not graze treated areas or feed treated forage to livestock Do not make more than 2 applications per year
	1 3 pts (HI only)	In Hawaii apply specified rate in a minimum of 20 gallons of spray per acre by ground but do not apply after the cane rows have closed in
		Do not graze treated areas or feed treated forage to livestock Do not make more than 2 applications per year
	0 7 2 0 pts (LA only)	In Louisiana apply specified rate in a minimum of 20 gallons of spray per acre by ground Apply when tillers are less than 18 high for tiller control Use the higher rate for tiller control and when heavier weed infestations are present
		Do not graze treated areas or feed treated forage to livestock Do not harvest within 30 days of application Do not make more than 2 applications per year
	0 4 0 7 pt (FL and TX only)	In Florida and Texas apply the specified rate in 5 gallons of spray per acre by air Use the higher rate when cool cloudy weather exists Apply 3 14 days before burning and harvest
	Do not graze treated areas or feed treated forage to livestock Do not make more than one application per year	
SUN FLOWER	1 7 2 7 pts (preplant or preemergence)	Apply specified dosage before during or after planting but before crop emergence in a minimum of 10 gallons of spray per acre by ground and 5 gallons of spray per acre by air either broadcast or banded over the row
		Do not make more than 3 applications per year
	0 8 1 3 pts (preharvest desiccation)	Preharvest desiccation Apply specified dosage as a broadcast spray for preharvest desiccation in a minimum of 10 gallons of spray per acre by ground and 5 gallons of spray per acre by air Apply when sunflower seeds reach physiological maturity (when seed moisture is 35 / or lower) For many varieties this is the same time when the back of the heads are yellow and the bracts are turning brown Use the higher rate when crop stands or weed infestations are heavy
		Do not make more than 2 applications per year Do not apply within 7 days of harvest Do not graze treated areas or feed treated forage to livestock

TARO DRYLAND (HI Only)	1 3 2 1 pts	Apply specified dosage as a postemergence directed spray in a minimum of 10 gallons of spray per acre by ground. Make the first application when weed growth is 1 4 high. If weeds emerge after application they will not be controlled. A single retreatment may be made however do not harvest dryland taro within 6 months of last application.
	Do not make more than 2 applications per year Do not allow spray to contact taro plants as injury may result Do not harvest within 6 months (180 days) of last application	
TREE PLANTATION ESTABLISHMENT Deciduous and Conifers	1 3 2 7 pts	Apply specified dosage prior to planting as a broadcast application in 20 gallons of spray per acre by ground equipment. Be careful to minimize soil disturbance when planting. Use the higher rate for heavier weed infestations. For improved burndown or residual control tank mix Parazone 3SL with other herbicides labeled for this use. When tank mixing read and carefully follow all applicable use directions, precautions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply. Do not apply in less than 20 gallons per acre as weed control will be reduced. Prepare ground early to allow maximum emergence of weeds.
	Do not make more than 3 applications per year	
CROP	DOSAGE (RATE PER ACRE)	COMMENTS
TREES AND VINES Orchards Vineyards Windbreaks Shade & Ornamental Trees ¹ (See footnote in Comments section for list of approved uses)	1 7 2 7 pts	Apply specified dosage as a directed spray in a minimum of 10 gallons of spray per acre by ground. Treat when sucker growth is no longer than 8 on grapes. Late season applications to weeds must be made to prevent contact with desirable grape foliage. Spot treatments or retreatment may be needed for perennial weeds, mature woody weeds, late germinating weeds, and green suckers. Use a shield or wrap plant when spraying around young trees or vines. Parazone 3SL may be used as a directed spray in tank mix combination with the following herbicides: Devrinol®, Goal® or Galigan®, Herbicide Karmex®, or Diuron herbicides Krovar®, Princep®, Sinbar®, or Metribuzin 75DF, Solicam®, or Oryzalin 4 A S. When tank mixing read and carefully follow all applicable use directions, precautions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products the most restrictive label limitations must apply. ¹ Acerola, Apples, Apricots, Avocados, Bananas, Beechnut, Brazil Nut, Butternut, Calamondin, Cashew, Cherries, Chestnut, Chinquapin, Citrus, Citron, Coffee, Figs, Filberts, Grapefruit, Grapes, Hickory Nut, Kiwi Fruit, Kumquat, Lemon, Lime, Macadamia Nuts, Mandarin, Nectarines, Olives, Orange (sour & sweet), Papayas, Peaches, Pears, Pecans, Pistachios, Plums, Prunes, Pummelo, Satsuma mandarin, Walnuts, Other shade and ornamental trees such as arborvitae, ash, elm, fir, oak, pine, etc.
	Do not apply more than 5 post emergence directed applications per year except for apricots (3 post emergence directed applications per year), cherries (3 post emergence directed applications per year), kiwi fruit (3 applications per year), nectarines (3 post emergence directed applications per year), olives (4 post emergence directed applications per year), peaches (3 post emergence directed applications per year), pistachios (5 applications per year total but only 2 after shells split), plums (3 post emergence directed applications per year). Do not apply within 28 days of harvest for apricots, 28 days of harvest for cherries, 13 days of harvest for figs, 14 days of harvest for kiwi fruit, 28 days of harvest for nectarines, 13 days of harvest for olives, 14 days of harvest for peaches, 7 days of harvest for pistachios, 28 days of harvest for plums. Do not graze treated areas. Do not allow spray to contact fruit, foliage, or green stems except for suckers. Do not feed cover crops grown in treated areas to livestock. Do not apply when figs, nuts, or olives to be harvested are on the ground.	
TREES AND VINES Grapes dormant application (California only)	0 7 1 2 pts	Apply specified dosage as a dormant application in a minimum of 10 gallons of spray per acre by air for the control of annual weeds in grapes. Make applications when weeds are succulent and growth is from 1 to 6 inches high. Add a nonionic surfactant containing 50 / surface active agent at 1 2 pts per 100 gallons of the finished spray volume.
	Do not apply more than once per season Do not enter treated field within 24 hours after application Do not apply if internal tissues of the buds are exposed as injury to the developing buds will result	
TYFON (NH only)	1 7 2 7 pts	Apply specified dosage preplant or preemergence in a minimum of 10 gallons of spray per acre by ground. Crop plants that have emerged at the time of application will be injured. Weeds and grasses emerging after treatment may not be controlled. Seeding must be done with a minimal amount of disturbance to the soil.
	Do not make more than 3 applications per year	

VEGE TABLES Seeded or Trans planted¹ (See footnote for list of approved crops)	1 3 2 7 pts	Apply specified dosage preplant or preemergence in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air. Applications can be made as a banded or broadcast treatment before, during, or after planting but prior to the crop emergence. Seedbeds or plantbeds must be formed as far ahead of treatment as possible to permit maximum weed emergence. Use the higher rate for heavier weed infestations. Seeding or transplanting must be done with a minimal amount of soil disturbance. Crop plants emerged at time of application will be killed. Parazone 3SL may be used in fallow bed/stale seedbed for weed control alone or tank mixed with Goal/Gaigan. When tank mixing, read and carefully follow all applicable use directions, precautions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply. ¹ Beans(Lima Snap) Broccoli Cabbage Cantaloupe Carrots Cauliflower Chayote Fruit Chinese Cabbage Chinese Waxgourd Citron Melon Collards Cucumber Eggplant Endive (Escarole) Gherkin Edible Gourd Groundcherry Lettuce <i>Momordica</i> spp. Musk Melons Peas Pepino Peppers Pumpkin Squash Sweet Corn Tomatillo Turnips Tomatoes Watermelons
	Do not harvest tomatoes within 30 days after application Do not apply more than 3 applications per season	
VEGE TABLES Eggplant Tomatoes Peppers	1 3 pts	Apply specified dosage as a directed spray between the row after crop establishment in a minimum of 10 gallons of spray per acre by ground to control or suppress emerged weeds. Use precision directed spray equipment (not exceeding 30 psi nozzle pressure) adjusted to prevent spray contact with crop. Do not spray under conditions which may cause excessive drift. Apply when weeds are succulent and when weed growth is less than 6".
	Do not apply more than 3 applications per season Do not allow animals to graze in treated areas Do not harvest within 30 days of application on tomatoes	
CROP	DOSAGE (RATE PER ACRE)	COMMENTS
VEGE TABLES Tomatoes	1 6 2 5 pts	After Final Harvest Apply specified dosage after final harvest in 40-120 gallons of spray per acre (0.62-0.93 lb a.i./A) by ground. Add NIS containing 75% or more surface active agent at 0.125% v/v (1 pt/100 gals. spray solution). Thorough coverage of the tomato vines is required to ensure maximum herbicide burndown. Use of dirty or muddy water may deactivate Parazone 3SL. Burn tomato vines with propane burners as soon as possible after the vines have dried down sufficiently to help with the removal of Sweet Potato Whitefly.
	Do not apply more than a total of 3 lbs active ingredient (paraquat) per acre per season Do not apply more than 2 applications per season To minimize drift, do not use nozzles or nozzle configurations which produce fine spray droplets (mist)	
VEGE TABLES Lettuce Melon Sugar Beets Tomatoes (CA WA OR ID only)	0 4 0 7 pt	Apply specified dosage as a broadcast application in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air. Used for control of volunteer barley in preformed seedbeds.
	Do not harvest tomatoes within 30 days after application Do not apply more than 2 applications per season	
VEGE TABLE Rhubarb	1 7 2 7 pts	Apply specified dosage as a dormant application in a minimum of 10 gallons of spray per acre by ground. Apply before buds in the crown begin to grow.
	Do not apply more than 2 applications per season	

RESIN SOAKING Pines (Loblolly Shortleaf Longleaf Slash Virginia Pond Pitch Spruce Pines)

Tree Selection Select trees to be treated from stands on sites not subject to periods of extreme drought stress as the desiccating effect of Parazone 3SL to pines is accentuated during such periods, causing a reduction in the amount of oleoresin deposited in the xylem. Select trees to be treated from vigorous, nonstagnated stands, either natural or planted. In stagnated stands or commercial timber stands, plan treating with Parazone 3SL not sooner than three years after a commercial thinning.

Application Directions Apply Parazone 3SL diluted in water to a suitable wound in the tree trunk to bring the treatment into contact with the xylem (sapwood).

Bark Streaks or Cuts This type of wound is made using a standard or rotary bark hack or a chainsaw chipping tool (employed in naval stores work) to remove a single 1 inch wide streak of bark about 1-2 ft from ground level. The total length must not exceed 1/3 of the tree circumference. Multiple streaks or cuts can result in serious girdling of the trunk and premature death of the tree. A coarse spray (about 1.7-5.0 ml) Parazone 3SL solution (1.5% cation wt/wt basis) must be applied 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 a 9 inch diameter tree, 3 ml of spray will cover the 1 inch wide streak. Using 3 ml of a 2% or 4% Parazone 3SL solution will result in application of 60 or 120 mg Parazone 3SL per streak.

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

Interval between Treatment and Tree Harvest The interval between application of Parazone 3SL and tree harvest must be a minimum of 6 months and preferably from 12-24 months. Intervals of over 6 months may not be possible under conditions of drought or serious pine beetle attacks, which may make early harvest necessary. The Parazone 3SL treatment may encourage beetle attack or may cause premature death of the tree. Desiccation of the xylem tissue, other than the desired resin soaking, may occur and is more likely at higher dosage rates.

Effect on Stem Growth Parazone 3SL treatment can result in reduced stem growth during the interval between treatment and tree harvest.

Dilution Table for Parazone 3SL (3.0 lbs cation per gallon)	
Concentration of Cation Desired (Wt /Wt Basis)	Add the Following No Gals Of Water to 2/3 Gallon of Parazone 3SL
0.2%	118.8
0.5%	46.8
1.0%	22.9
2.0%	10.9
3.0%	6.9
4.0%	4.9
5.0%	3.7

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
CONSERVATION RESERVE FEDERAL SET ASIDE CONSERVATION COMPLIANCE PROGRAMS¹ (See footnote in Comments section for notation)	1.727 pts	Apply specified dosage as a broadcast application in a minimum of 10 gallons of spray per acre by ground and 5 gallons of spray per acre by air. Parazone 3SL may be tank mixed with other registered herbicides to improve weed control. When tank mixing, read and carefully follow all applicable use directions, precautions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply. For use in compliance with the Federal Conservation Reserve Program or Federal set aside programs.
	Do not apply more than 3 applications per season	
NONCROP USES¹ (See footnote in Comments section for notation)	1.727 pts	Apply specified dosage as a broadcast application or spot treatment in a minimum of 10 gallons of spray per acre by ground. Repeat applications as necessary being careful to avoid contact with foliage of ornamentals or desirable plants. ¹ Including but not limited to public airports, electric transformer stations, pipeline pumping stations, around commercial buildings, storage yards and other installations, and fencelines.
	Do not apply more than 10 applications per year	
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.	0.713 pts	Apply specified dosage as a broadcast application in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air. West of Cascade and Sierra Nevada Mountains Apply in October through December after first fall rains and after weeds have emerged and sod has started new growth. For best seeding results, apply on moderately to heavily grazed areas. Do not use in areas with heavy sod and weed growth. East of Rocky Mountains Use the 1.3 pt rate on vigorous or coarse sod species such as bromegrass. Apply prior to or at time of seeding grasses or forage legumes. Apply only to grazed or mowed pastures not more than 3' in height at time of treatment. Bermudagrass or Bahiagrass Sods Apply in late summer or early fall to sod not exceeding 3' in height. For control of emerged little barley, apply in February or March before the mid boot stage of little barley. Bermudagrass and Coastal Bermudagrass Pastures Apply when bermudagrass is dormant. For control of little barley, apply before the mid boot stage. Do not mow for hay until 40 days after treatment.
	Do not apply more than 3 applications per year	

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
For Control of Endophyte Fungus	0.713 pts followed by 0.713 pts	Apply specified dosage as a broadcast application in a minimum of 10 gallons of spray per acre by ground when fescue is actively growing and is no more than 4' high. If necessary, use split applications of 10-21 days apart. For spring plantings, the initial application of 0.713 pts may be made the previous fall.

Infected Fescue Forage Legume/ Grass Mixture and Other Grass Pastures	<p>Do not allow fescue to go to seed starting with the preceding year s crop to reduce the infestation of endophyte infested grass</p> <p>Do not make more than 2 applications per year</p> <p>Do not exceed 2 6 pts per acre total in preparation for reseeding</p>
--	--

CROP	DOSAGE (RATE PER ACRE)	COMMENTS
For Prickly Pear Desiccation in Pastures (Not for use in CA)	0 8 fl oz per gallon of water (spot sprays)	Apply specified dosage in sufficient volume to spray to wet the weed foliage using knapsack backpack sprayers pump up pressure sprayers hand guns hand wands and other hand held equipment which directs the spray onto weed foliage Mix the specified rate of Parazone 3SL with 1/3 fl oz of a nonionic surfactant per gallon of water Completely and uniformly cover all green prickly pear foliage with spray Apply in May through September for best desiccation results Do not use more than 1 6 pints of Parazone 3SL Herbicide per acre per year Apply only to pastures with no more than 3 of height at time of treatment 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 Always refer to the Grazon P+D Specialty herbicide label for weeds controlled rates of applications directions for use limitations and restrictions
	Do not apply more than 10 applications per year	
For Juniper Species leaf moisture reduction or desiccation prior to Prescribed burning of pastures (Not for use in CA)	1 3 pts	Apply specified dosage as a broadcast application during hot dry weather conditions (usually July and August) in a minimum of 5 gallons of spray per acre by air Use only in conjunction with prescribed burning as instructed and monitored by local SCS or University and Extension Range Specialists Use 2 / v/v nonionic surfactant in a minimum of 5 gpa spray solution Juniper leaf moisture content must be monitored however maximum leaf moisture reduction usually occurs 3 4 weeks after Parazone 3SL application Significant soil moisture and/or wet weather conditions prior to or after application will decrease the potential for Juniper crown burns Cool or humid weather conditions also adversely affect leaf moisture reduction
	Do not apply more than 10 applications per year Do not graze livestock after application or prior to burning	
Native Pastures (Not for use in CA)	1 0 1 25 pts	Apply specified dosage as a broadcast application in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air For the control of downy and Japanese brome apply in the spring after 90 / node formation of brome species but before full bloom Emerged native perennial grasses will be burned by this application but application after 90 / node formation will allow adequate time for native grasses to recover and attain maximum growth in the use season Apply only to pastures with no more than 3 of height at the time of treatment
	Do not apply more than 2 applications per year Do not apply more than 1 25 pts per year	

Conversion Table Parazone 3SL to be Applied			
Ounces	Pints	Lb a i	Acres/Gallon
2 50	0 16	0 06	51 3
4 80	0 30	0 11	26 7
5 28	0 33	0 12	24 2
5 52	0 35	0 13	23 2
10 00	0 63	0 23	12 8
11 00	0 69	0 26	11 6
11 20	0 70	0 26	11 4
12 00	0 75	0 28	10 7
16 00	1 00	0 38	8 0
20 00	1 25	0 47	6 4
20 80	1 30	0 49	6 2
24 00	1 50	0 56	5 3
28 00	1 75	0 66	4 6
32 00	2 00	0 75	4 0
40 00	2 50	0 94	3 2
43 20	2 70	1 00	3 0

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

PESTICIDE STORAGE Store at temperatures above 32 F

PESTICIDE DISPOSAL Pesticide wastes are acutely hazardous Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance

CONTAINER HANDLING

Nonrefillable Container (five gallons or less) Nonrefillable container Do not reuse or refill this container Offer for recycling if available Clean container 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 or reconditioning or puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities by burning If burned stay out of smoke

Nonrefillable Container (greater than five gallons) Nonrefillable container Do not reuse or refill this container Offer for recycling if available Clean container promptly after emptying Triple rinse as follows Empty the remaining contents into application equipment or a mix tank Fill the container 1/4 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 or reconditioning or puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities by burning If burned stay out of smoke

Refillable Container 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 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 For final disposal offer for recycling or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities

CONTAINER IS NOT SAFE FOR FOOD FEED OR DRINKING WATER!

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use conditions of warranties and limitations of liability before using this product If terms are not acceptable return the unopened product container at once

By using this product user or buyer accepts the following **CONDITIONS DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY**

CONDITIONS The directions for use of this product are believed to be adequate and must be followed carefully However it is impossible to eliminate all risks associated with the use of this product Crop injury ineffectiveness or other unintended consequences may result because of such factors as weather conditions presence of other materials or the manner of use or application all of which are beyond the control of Makhteshim Agan of North America Inc All such risks shall be assumed by the user or buyer

DISCLAIMER OF WARRANTIES To the extent consistent with applicable law Makhteshim Agan of North America Inc makes no other warranties express or implied of merchantability or of fitness for a particular purpose or otherwise that extend beyond the statements made on this label No agent of Makhteshim Agan of North America Inc is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein To the extent consistent with applicable law Makhteshim Agan of North America Inc disclaims any liability whatsoever for special incidental or consequential damages resulting from the use or handling of this product

LIMITATIONS OF LIABILITY To the extent consistent with applicable law the exclusive remedy of the user or buyer for any and all losses injuries or damages resulting from the use or handling of this product whether in contract warranty tort negligence strict liability or otherwise shall not exceed the purchase price paid or at Makhteshim Agan of North America Inc s election the replacement of product

AAtrex Ambush Bicep MAGNUM Bicep Lite II MAGNUM Caparol Devrinol Dual MAGNUM Karate Princep Reglone
Solicam Surpass Topnotch Zorial are trademarks of a Syngenta Group Company
Accelerate is a trademark of Cerexagri Inc
Banvel Basagran Frontier Guardsman Marksman Prowl Pursuit Scepter are trademarks of BASF Ag Products
Canopy Harmony Extra Krovar Lexone Sinbar and Velpar are trademarks of E I du Pont de Nemours & Co Inc
Butoxone is a trademark of Nufarm Americas Inc
Butyrac is a trademark of Agri Star/Albaugh Inc
Command is a trademark of FMC Corporation

Cotoran Cotton Pro Karmex Linex Lorox Lorox Plus and Meturon are trademarks of Griffin LLC
 Def Dropp Hoelon Prep and Sencor are trademarks of Bayer CropScience
 Folex is a trademark of AMVAC Chemical Corporation
 Goal and Grazon are trademarks of Dow AgroSciences
 Harvade is a trademark of Uniroyal Chemical Company
 Harness Lariat and Lasso are trademarks of Monsanto Agricultural Company
 Surflan is a trademark of United Phosphorus Ltd
 Turbo is a trademark of Novartis Crop Protection Inc
 Galigan MANA Parallel Parazone and Silencer are trademarks of Makhteshim Agan of North America Inc
 Triangle is a trademark of Tenkoz Inc

Parazone 3SL (66222 130) (EPA App 12 05 11)(Notif 01 09 12)