UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

December 30, 2019

Niamh McMahon Regulatory Product Manager AMVAC Chemical Corporation 4695 MacArthur Court, Suite 1200 Newport Beach, CA 92660

Subject: Label Amendment – Phase 3 Label in Accordance with Requirements Specified in Paraquat Human Health Mitigation Decision Product Name: Parazone 3SL Herbicide EPA Registration Number: 5481-615 Application Date: June 17, 2019 Decision Number: 558208

Dear Ms. McMahon:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for one year from the date of this letter. After one year, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Marianne Mannix by phone at (703) 347-0275, or via email at Mannix.Marianne@epa.gov.

Sincerely,

2 0

Linda Arrington, Branch Chief Risk Management and Implementation Branch 4 Pesticide Re-Evaluation Division Office of Pesticide Programs

Enclosure

RESTRICTED USE PESTICIDE

DUE TO ACUTE TOXICITY

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS - NOT TO BE USED BY UNCERTIFIED PERSONS WORKING UNDER THE SUPERVISION OF A CERTIFIED APPLICATOR.

> PARAQUAT DICHLORIDE GROUP

HERBICIDE

22



A Weed, Grass, and Harvest Aid Desiccant/Defoliant Herbicide **ACTIVE INGREDIENT:** Total Contains 3.0 pounds paraguat cation per gallon (4.14 pounds paraguat dichloride salt per gallon).

Contains stenching (odor) and emetic.



% BY WT.

KEEP OUT OF REACH OF CHILDREN MANTENER FUERA DEL ALCANCE DE LOS NIÑOS



DANGER/PELIGRO **POISON/VENENO**

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

CORROSIVE TO SKIN AND EYES	CORROSIVO PARA LA PIEL Y LOS OJOS.
NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES	NUNCA TRANSFEIERA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLÍCITAMENTE PREVISTOS PARA PLAGUICIDAS.
READ ENTIRE LABEL PRIOR TO USING THIS PRODUCT	LEA LA ETIQUETA COMPLETA ANTES DE USAR ESTE PRODUCTO.
IN THE CASE OF AN ACCIDENT, SEEK IMMEDIATE MEDICAL ATTENTION. SYMPTOMS ARE PROLONGED, PAINFUL, AND CAN BE FATAL	EN CASO DE ACCIDENTE, BUSQUE ATENCIÓN MÉDICA INMEDIATA. LOS SÍNTOMAS SON PROLONGADOS, DOLOROSOS, Y PUEDEN SER MORTALES.

FIRST AID				
	Contains Paraquat, a Bipyridylium 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, then give artificial respiration, preferably by mouth-to-mouth, if possible. 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 eye. 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 			

615-615-20191203_based on SALNov142018/FPLto only incorporate phase 3 language with EPA edits

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.		
EMERGENCY INFORMATION		
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.		
FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:		
For Medical Emergencies phone:1-888-681-4261	1	
For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC [®])	
For Product Use Information phone: AMVAC [®] 1-888-462-6822	2	

For Precautionary Statements and Directions for Use, see inside of this booklet. **EPA Reg. No. 5481-615**

EPA Est. No.

NET CONTENTS:



[Manufactured for] AMVAC Chemical Corporation 4695 MacArthur Court, Suite 1200 Newport Beach, CA 92660



Optional Text for Label Booklet: [For additional precautionary, handling, and use statements, see inside of this booklet.]

DANGER – FATAL IF SWALLOWED OR INHALED.	PELIGRO – MORTAL SI SE INGIERE O INHALA.
CAUSES SEVERE EYE INJURY.	CAUSA LESIONES GRAVES EN LOS OJOS.
CORROSIVE TO SKIN.	CORROSIVO PARA LA PIEL.
NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES.	NUNCA TRANSFEIERA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLÍCITAMENTE PREVISTOS PARA PLAGUICIDAS.
STORE TIGHTLY CLOSED IN ORIGINAL CONTAINER, AND IN A LOCKED PLACE AWAY FROM CHILDREN AND ANIMALS.	GUARDE BIEN CERRADO EN EL ENVASE ORIGINAL Y EN UN LUGAR CERRADO LEJOS DE NIÑOS Y ANIMALES.
NEVER USE THIS PRODUCT IN RESIDENTIAL OR PUBLIC RECREATIONAL SETTINGS (e.g., HOMES, HOME GARDENS, SCHOOLS, RECREATIONAL PARKS, GOLF COURSES, AND/OR PLAYGROUNDS).	NUNCA USE ESTE PRODUCTO EN ÁREAS RESIDENCIALES O PÚBLICAS (COMO HOGARES, JARDINES, ESCUELAS, PARQUES RECREATIVOS, CAMPOS DE GOLF, O SALONES DE JUEGOS).
THIS PRODUCT IS TOXIC! AN ALERTING AGENT (ODOR) HAS BEEN ADDED TO HELP PREVENT ACCIDENTAL INGESTION.	¡ESTE PRODUCTO ES TÓXICO! SE HA AGREGADO UN AGENTE DE ALERTA (OLOR) PARA AYUDAR A PREVENIR SU INGESTIÓN ACCIDENTAL.
SEE BACK OF PRODUCT CONTAINER FOR IMPORTANT SAFETY INFORMATION.	LA PARTE POSTERIOR DEL ENVASE DEL PRODUCTO TIENE INFORMACIÓN DE SEGURIDAD IMPORTANTE.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER-May be fatal if swallowed. Fatal if inhaled. Corrosive. Causes irreversible eye damage. Harmful if absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

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 made of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, polyvinyl chloride (PVC) ≥14 mils, or Viton®≥14 mils.
- NIOSH-approved particulate respirator with any N, R, or P filter, NIOSH approval number prefix TC-84A, or a NIOSHapproved powered air-purifying respirator with an HE filter with NIOSH approval number prefix TC-21C.

Mixers and loaders must wear:

- Long-sleeve shirt and long pants
- Shoes plus socks
- NIOSH-approved particulate respirator with any N, R, or P filter, NIOSH approval number prefix TC-84A, or a NIOSHapproved powered air-purifying respirator with an HE filter with NIOSH approval number prefix TC-21C.

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- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, polyvinyl chloride (PVC) ≥14 mils, or Viton®≥14 mils.
- 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 thoroughly with soap and water after handling and 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. Wash thoroughly with soap and water and change into clean clothing.
- Remove and wash contaminated clothing before reuse.

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 or rinsate.

Parazone 3SL is a contact herbicide that desiccates all green plant tissue. Paraquat dichloride, the active ingredient in this product, is toxic to non-target 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.

CERTIFIED APPLICATOR TRAINING

Applicators must complete an EPA-approved paraquat training listed on the following website: <u>https://www.epa.gov/pesticide-worker-safety/paraquat-dichloride-training-certified-applicators</u> The training must be completed a minimum of every three years.

DIRECTIONS FOR USE

Restricted use pesticide It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all label directions before using this product.

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.

CLOSED SYSTEMS USE

CONTAINERS WITH CAPACITIES LESS THAN 120 GALLONS: This product must only be removed from the original container with a closed transfer system. Any subsequent transfer of this product must utilize a closed transfer system. Any attempt to circumvent the closed transfer system is prohibited. Any attempt to circumvent the closed transfer system prior to complete removal of the product and rinsing of the product container as described in the Storage and Disposal Section of this label is prohibited.

CONTAINERS WITH CAPACITIES GREATER THAN OR EQUAL TO 120 GALLONS: A closed transfer system is not required.

Backpack sprayers and other applicable handheld application equipment must utilize a closed system.

DO NOT USE THIS PRODUCT IN RESIDENTIAL OR PUBLIC RECREATIONAL SETTINGS (e.g., HOMES, HOME GARDENS, SCHOOLS, RECREATIONAL PARKS, GOLF COURSES, AND/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 made of barrier laminate, butyl rubber > 14 mils, nitrile rubber > 14 mils, neoprene rubber > 14 mils, natural rubber > 14 mils, polyethylene, polyvinyl chloride (PVC) > 14 mils, or Viton® > 14 mils.

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.

PRODUCT INFORMATION

The Parazone 3SL formulation contains 3 pounds of active ingredient per gallon. Parazone 3SL has a strong nontoxic 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.

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.

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.

RESISTANCE MANAGEMENT

Parazone 3SL is a Group 22 herbicide based on the mode of action classification system of the Weed Science Society of America and a Group D, photosystem-I-electron diversion herbicide as classified by the Herbicide Resistant Action Committee (HRAC). Any weed population may contain or develop plants naturally resistant to Parazone 3SL and other Group 22 herbicides. Weed species with natural or acquired resistance to Group 22 may eventually dominate the weed population if Group 22 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. Such resistant weed plants may not be effectively managed using Group 22 herbicides but may be effectively managed utilizing another herbicide alone or in mixtures from a different Group and/or by using cultural or mechanical practices. However, the herbicide mode of action classification by itself may not adequately address specific weeds that are resistant to specific herbicides.

To delay herbicide resistance, consider using diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides:

- Avoiding the consecutive use of Parazone 3SL or other target site of action Group 22 herbicides that might have a similar target site of action, on the same weed species.
- Using tank mixtures or premixes with herbicides from different target site of action Groups as long as the involved
 products are all registered for the same use, have different sites of action and are both effective at the tank mix or
 premix rate on the weed(s) of concern.
- Base herbicide use on a comprehensive Integrated Pest Management (IPM) and Integrated Resistance Management (IRM) program.
- Use labeled rate and directions for use to delay selection for resistance.
- Monitor treated weed populations to facilitate the early identification of weed shifts and/or weed resistance development (also provides direction on future weed management practices).
- Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of noncontrolled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species.
- If resistance is suspected, prevent weed seed production in affected area(s) by using alternative herbicide(s) from a different group, hand rogueing, or by a mechanical method such as hoeing, mowing, or tillage.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- Control escaped weeds by implementing measures to avoid allowing weeds to reproduce by seed or to proliferate vegetatively is one of the best ways to contain resistant populations.
- Contact your local extension specialist, certified crop advisor, and/or manufacturer for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

PRODUCT RESTRICTIONS

- It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.
- **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.
- Do not graze livestock in treated fields or feed treated foliage in cotton when using Parazone 3 SL for a cotton harvest aid.
- Do not use this product in residential or public recreational settings (e.g., homes, home gardens, schools, recreational parks, golf courses, and/or playgrounds).
- Do not apply to soils lacking clay, i.e., peat, muck, pure sand and artificial planting media if using Parazone 3SL in preplant or preemergence (to the crop) uses.
- Prepare seedbeds and plantbeds well ahead of planting and treatment to permit maximum weed and grass emergence prior to treatment.
- Do not disturb the soil any more than necessary during seeding or transplanting.
- 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.
- Parazone 3SL will not control or suppress broadleaf or grassy weeds that emerge after treatment.
- 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.
- **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.
- CHEMIGATION STATEMENT: Do not apply this product through any type of irrigation system.

APPLICATION PROCEDURES

ADJUVANT OR CROP OIL CONCENTRATE

Parazone 3SL herbicide does not contain an adjuvant system. Crop oil concentrate (COC) provides the most consistent activation of Parazone 3SL. Crop oil concentrates can cause crop injury with certain tank-mix partners or on sensitive crops. Under these circumstances non-ionic surfactants (NIS) can be used in place of crop oil concentrate. Reduced weed control may result from use of non-ionic surfactant. Under drought conditions methylated seed oil adjuvants can be used in replacement of COC. Methylated seed oils can increase crop injury potential and care should be taken when considering its use. Ammonium sulfate (AMS) or urea-ammonium nitrate (UAN) can improve control of hard to control grasses and help overcome potential antagonism from tank-mix partners. The use of AMS or UAN is only allowed on specified crops.

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.

<u>For ground applications</u>, 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 3 SL 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 3 SL when it is applied as a cotton harvest aid.

When an adjuvant is to be used with this product, AMVAC 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 affected.

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: <u>Thorough coverage</u> 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.

<u>Spray volume</u> 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.

<u>Nozzle selection</u> 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 **Application Setup** table.

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.

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	*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 3SL.

If the Broadcast rate per acre for Parazone 3SL Herbicide is:	Add the Following Amount of Parazone 3SL Herbicide to 1 gallon of water
1.5 pints	0.33 fluid ounce
2.0 pints	0.375 fluid ounce
2.5 pints	0.50 fluid ounce
3.0 pints	0.66 fluid ounce

Always add 0.33 to 0.50 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.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator and the grower. 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 regarding spraying.

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.

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

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

The applicator must be familiar with and take into account the information covered in the Spray Drift Management section.

To avoid spray drift, do not apply under windy conditions. Avoid spray overlaps as crop injury may result.

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 ³/₄ of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

Applications should be made at the lowest height consistent with efficacy and flight safety. Do not make 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).

MIXING PROCEDURES

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;
- 2. Begin tank agitation and continue agitation throughout the mixing and spraying operations;
- 3. Add dry formulations (i.e. WP, DF, WDG, etc.) to the tank;
- 4. Add liquid formulations (i.e. SC, EC, L, F, etc.) to the tank other than fomesafen ;
- 5. Add Parazone 3SL to the tank;
- 6. Add fomesafen formulation to the tank;
- 7. Add spray surfactant to the tank; and
- 8. Fill the remainder of the spray tank.

Carefully read the labels of other pesticide products for mixing directions and restrictions that may be different. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. Tank mix compatibility testing (a.k.a., jar testing) is prohibited.

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.

Parazone 3SL formulation is soluble in water. The Soluble Liquid (SL) formulation is physically compatible with other SL formulated herbicides and most other types of herbicide formulations, such as, WP, DF, WDG, SC, EC, L, and F. All products containing fomesafen should be mixed as shown in the Mixing Procedures section.

Herbicides with the following active ingredients can be tank-mixed with Parazone 3SL: 2,4-D, acetochlor, atrazine, bentazon, bromacil, chlorimuron, cloransulam, dicamba, diuron, glyphosate, glufosinate, fluometuron, fomesafen, hexazinone, imazaquin, imazethapyr, linuron, metolachlor, metribuzin, napropamide, norflurazon, oryzalin, oxyfluorfen, picloram, prometryn, simazine, sulfentrazone, terbacil, thifensulfuron, tribenuron, and tebuthiuron.

Insecticides with the following ingredients can be tank-mixed with Parazone 3SL: methyl parathion and lambda-cyhalothrin.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

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), marestail, morningglory, Pennsylvania smartweed, perennial weeds (suppression only), prickly lettuce, sedges, tansy mustard, velvetleaf and volunteer wheat. For best results, make a second application if indicated on the tank mix partner label.

Apply Parazone 3SL with 2,4-D ester and dicamba herbicides to improve 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. Parazone 3SL tank-mixed with fomesafen where labeled will improve control of several annual broadleaf weeds. Reduced grass control may result if amine formulations of 2,4-D are applied as a tank-mix with Parazone 3SL.

APPLICATION INSTRUCTIONS

Application methods listed on this label are the only permissible application methods.

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

ALFALFA CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS			
ALFALFA New seedlings (CA only)	0.7-1.3 pts (see below for specific rates for weeds controlled)	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.			
	For Control o	£.		Rate/Acre*	
	For Control C	1.	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	
	Shepherds purse		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 unless the alfalfa has 6 t	rate unless the ifoliate leaves	; or do not use rates over 10	ate leaves; do not use the 10.7 fl oz rate 0.7 fl oz unless there are 9 trifoliate leaves.	
	Use Restrictions – Alfalf				
	 Do not make more the 				
	Do not cut or harvest				
	Do not apply to seed				مانة ما
ALFALFA No-till or	1.7-2.7 pts			proadcast or banded over the row using the sp	
conventional planting	air. Apply prior to the emergence of the crop as plants that come in contact with				
(preplant or preemergence)	 Use Restrictions – Alfalfa Do not make more th 	a No-Till or C	onventional Planting (prep		
ALFALFA				specified rate in a minimum of 10 gallons of spr	av por
Dormant season on established	1.3-2.0 μις	 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 other within and suppressone paraprial woods. 			
plantings Region A ¹					
-	oats, and other winter annuals and suppresses perennial weeds. Tank mix with metribuzin to improve burndown of control existing vegetation and for recontrol. When tank mixing, read and carefully follow all applicable use directions, restrict and limitations on the respective product label(s). In interpreting the label(s) of tank is products, the most restrictive label limitations must apply.				ctions,
	¹ Region 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.				
	 Use Restrictions – Alfalfa Dormant Season on Established Plantings Do not cut or harvest within 42 days of application. Do not make more than 1 application per year. 			tings	
				n following last fall cutting is greater than 6".	
ALFALFA Dormant season Tank	0.7-1.3 pts	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.			
Mix with hexazinone			SL controls weeds such as c f hexazinone on loamy sands	hickweed, downy brome, and tansy mustard. U s or sandy loams.	lse the
Region A ¹		When tank mixing, read and carefully follow all applicable use directions, restrictions, 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 alf	alfa regrowth. Plant stress due to disease, ir ad overcutting may increase the chance of crop	

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		CA: (Counties of Del Norte, Siskiyou, Modoc, Shasta, Lassen, Plumas, Sierra, Nevada), CO, KY, ME, MD, MA, MI, MN, MO, MT, NE, NV, NH, NJ, NY, ND, OH, OR, PA, RI, SD, UT, VT,			
	 Do not apply if spring Do not apply to alfalfa Do not use on gravell including mortality ma Do not cut or harvest 	within 42 days of application.			
ALFALFA Dormant On	Do not make more th 0.7-1.3 pts	an 2 applications per year. 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.			
established plantings: Region B ²		Parazone 3SL is used for desiccation of weeds including London rocket, sowthistle, rescue brome, wild oats, chickweed, ryegrass, bluegrass, cheatgrass, dogfennel, tansy mustard, henbit, downy brome, and other winter annuals and suppression of perennial weeds.			
ALFALFA 0.7-1.3 pts Dormant On fall- seeded, newly established		In California only , Parazone 3SL is used for desiccation of weeds including bluegrass, ryegrass, shepherds purse, chickweed, tansy mustard, foxtail, sowthistle, and groundsel; use the higher rate if ryegrass, shepherds purse, 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.			
stands less than 1-year- old: Region A ¹		Tank mix with metribuzin to improve burndown of existing vegetation and for residual control in dormant established alfalfa (at least1-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, restrictions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply.			
ALFALFA Dormant On fall-	0.5-0.8 pt	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.			
seeded, newly established stands less than 1-year-	¹ Region 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.				
old: Region B ²	Region B includes: AL, AZ, AR, CA: (All other counties not listed in Region'), FL, GA, HI, LA, MS, NM, NC, The The The The The The The The The The				
	 Do not apply within 6 Do not apply if spring Riverside, and all Cal 	an one application per year. 0 days of harvest. regrowth after grazing or if cutting is more than 2" in the California counties of Orange, lifornia counties north of these counties.			
ALFALFA Between- cuttings treatment in established plantings	Do not apply if regrov 0.7 pt	wh after grazing or if cutting is more than 2" in all other areas within Region B. 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.			
(Includes first year alfalfa) (All states east of the Rocky Mountains)	 Do not treat more that Do not make more the dormant application, 	a Between-Cuttings Treatment on 5 days after cutting. an three applications per year during the growing season. These sprays are in addition to a but do not apply more than twice during the first growing season of first year alfalfa. within 30 days of application.			

ALMONDS

CROPS		PARAZONE 3SL RATE PER ACRE	REMARKS		
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.		
	Use	Restrictions - Almonds			
	•	Do not graze treated	o not graze treated areas.		
	•	Do not feed cover cro	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)

CROPS	PARAZONE RATE PER A		REMARKS	
ARTICHOKE	1.7-2.7 pt	s A	Apply the specified rate as a directed spray in a minimum of 20-100 gallons of spray per acre	
(GLOBE)		k	by ground.	
	Use Restriction	e Restrictions – Artichoke (Globe)		
	 Do not mak 	Do not make more than 3 applications per season.		
	 Do not appl 	Do not apply at intervals of less than 7 days.		
	Do not apply more than 8 pts/A per growing season.			
	Do not harvest within one day of application.			

ASPARAGUS

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
ASPARAGUS	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.
	 Use Restrictions - Aspar Do not make more th Do not apply within 6 	an 3 applications per year for preplant or preemergence application.

BEANS, DRY PEAS, DRY

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
BEANS, DRY' Sweet lupin White sweet lupin White lupin Grain lupin Adzuki beans Asparagus beans Black beans Black beans Black beans Broad beans Field beans Garbanzo beans Kidney beans Lablab beans Moth beans Moth beans Navy beans Pinto beans Rice beans Tepary beans Urd beans Guar	Do not make more theDo not apply within 7	eather conditions favor drift. Adding a drift control agent may reduce spray drift.
Blackeyed peas Chickpeas Cowpeas		
Crowder peas Southern peas Catjang		

BERRIES

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
BERRIES Blackberries Blueberries Boysenberries	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.
Currant	Use Restrictions – Berries	
Elderberries	 Do not make more th 	an 5 applications per year.
Gooseberries		
Huckle-berries		
Loganberries		
Raspberries		

CACAO

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS	
CACAO*	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.	
	Use Restrictions - Cacac		
	Do not spray under w	Do not spray under windy conditions.	
	 Do not graze treated areas. Do not feed treated cover crops to livestock. 		
	Do not apply within 1	day of harvest.	
	Do not exceed more	than 5 applications per year.	
	* This use is not register	ed on cacao in California.	

CASSAVAS, TANIERS, YAMS

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
CASSAVAS, TANIERS,		shielded post directed spray in a minimum of 50 gallons of spray per acre by ground eeds are succulent and growth is from 1-6".
YAMS	 Use Restrictions – Cassavas, Taniers Do not make more than 3 applicati 	s, Yams ons per year on cassavas and taniers.
(Puerto Rico only)	uerto Rico • Do not make more than 2 applications per year on yams.	
	 Do not spray under windy conditions. Do not graze treated areas. 	
	 Do not feed treated forage to livestock. Do not apply within 90 days of harvest. 	

CHEMICAL FALLOW

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
CHEMICAL FALLOW Product		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 restrictions: 1. Do not apply with floaters or exceed speed of 10 mph.
Information		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.i./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 crop rotation allows, tank mix with atrazine for maximum burndown weed control and for 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 or 2,4-D ester (low volatile) herbicides may aid in the suppression of emerged perennial broadleaf weeds and large annual broadleaf weeds. Refer to dicamba or 2, 4-D ester (low volatile), or residual herbicide label(s) for rates.
		Additionally, when tank mixing, read and carefully follow all applicable use directions, restrictions, 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	Weeds 1-3": 1.3-1.7 pts	Make a broadcast application in a minimum of 5 gallons of spray per acre by ground or air at
FALLOW	Weeds 3-6": 1.7-2 pts	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
Continuous		Improved Burndown of Difficult Weeds and Residual Weed Control" for additional details).
Wheat 2-3 Month	Weeds 6": 2-2.7 pts	Refer to the section above entitled "Chemical Fallow; Product Information" for additional instructions and restrictions.
Recropping Interval		nical Fallow Continuous Wheat 2-3 Month Recropping Interval an 3 applications per year.
CHEMICAL	Weeds 1-3": 1.3-1.7 pts	Make a broadcast application in a minimum of 5 gallons of spray per acre by ground or air
FALLOW	Weeds 3-6": 1.7-2 pts	before weeds produce seed. Volunteer wheat and downy brome are best controlled with late August or early September applications.
Wheat- Fallow Wheat Rotations (Fall applied after harvest;	Weeds 6": 2-2.7 pts	Tank mix with atrazine, clomazone, dicamba, and metribuzin to improve burndown control of emerged grass and broadleaf weeds and for residual weed control. When tank mixing, read and carefully follow all applicable use directions, restrictions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply.
seeded 12- 14 months		Refer to the section above entitled "Chemical Fallow; Product Information" for additional instructions and restrictions.
later)		nical Fallow Wheat-Fallow Wheat Rotations
CHEMICAL	Weeds 1-3": 1.3-1.7 pts	an 3 applications per year. Make a broadcast application in a minimum of 5 gallons of spray per acre by ground or air.
FALLOW	Weeds 3-6": 1.7-2 pts	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.
Wheat- Fallow Wheat Rotations	Weeds 6": 2-2.7 pts	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).
(Spring applied; seeded 3-5 months later)		Tank mix with metribuzin to improve burndown control of existing grass and broadleaf weeds and for residual control. When tank mixing, read and carefully follow all applicable use directions, restrictions, 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 and restrictions.
		nical Fallow Wheat-Fallow Wheat Rotations an 3 applications per year.
CHEMICAL FALLOW	Weeds 1-3": 1.3-1.7 pts Weeds 3-6": 1.7-2 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.
Annual Crop ¹ Wheat	Weeds 6": 2-2.7 pts	Tank mix with atrazine or dicamba to improve burndown control of emerged grass and broadleaf weeds and for residual weed control. When tank mixing, read and carefully follow all applicable use directions, restrictions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply.
Rotations (Fall applied		Refer to the section above entitled "Chemical Fallow; Product Information" for additional instructions and restrictions.
in wheat stubble)		¹ Approved annual crops are grain sorghum, corn, wheat, and proso millet.
		nical Fallow Wheat-Annual Crop
CHEMICAL		an 3 applications per year. Make a broadcast application in a minimum of 5 gallons of spray per acre by ground or air.
FALLOW	Weeds 1-3": 1.3-1.7 pts Weeds 3-6": 1.7-2 pts	Tank mix with atrazine for control of emerged grass and broadleaf weeds and for residual weed control noting the atrazine instructions regarding pH and recropping intervals. For volunteer
Wheat- Annual Crop ¹	Weeds 6": 2-2.7 pts	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).
Wheat Rotations (Spring		When tank mixing, read and carefully follow all applicable use directions, restrictions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply.
applied prior to planting an		Refer to the section above entitled "Chemical Fallow; Product Information" for additional instructions and restrictions.
approved annual crop ¹)		¹ Approved annual crops are grain sorghum, corn, wheat, and proso millet.
allinger or op)		nical Fallow Wheat-Annual Crop an 3 applications per year.

CLOVER AND	OTHER LEGUMES	
CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
CLOVER AND OTHER LEGUMES Including: Bean, velvet	1.3-2.1 pts (On established plantings in Region A ¹)	For dormant season application only, Parazone 3SL will desiccate weeds including London rocket, sowthistle, rescue brome, wild oats, chickweed, ryegrass, bluegrass, cheatgrass, dogfennel, tansy mustard, 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, shepherds purse, chickweed, tansy mustard, foxtail, sowthistle and
Lespedeza Lupin Sainfoin	0.7-1.3 pts (On established plantings in	groundsel. In California use high rate if ryegrass, shepherds purse, sowthistle, or groundsel is present.
Trefoil Vetch, crown Vetch Vetch, milk	Region B ²) 0.7-1.3 pts (On fall seeded newly established stands less than 1 year old in Region A ¹)	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
	0.5-0.8 pts (On fall seeded newly established stands less than 1 year old in Region B ²)	proportionate to the loss of weed weight. Make a broadcast application in a minimum of 10 gallons of spray per acre by ground or gallons of spray per acre by air.
	¹ Region 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	
	² Region 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	
	 Use Restrictions - Clover and Other Legumes 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. 	

CORN

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
CORN ¹	Weeds 1-3": 1.3-1.7 pts	Apply preplant or preemergence either broadcast or banded over the row using the specified
(Used alone)	Weeds 3-6": 1.7-2 pts	rate in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by
(See	Weeds 6": 2-2.7 pts	air. Apply prior to the emergence of the crop as plants that come in contact with the spray will
footnote in		be killed. Seeding must be done with a minimum of soil disturbance and seedbeds must be
"Remarks"		formed as far ahead of planting and treatment as possible to permit maximum weed and grass
section for		emergence. Applications made after weeds have emerged will not be controlled.
list of		¹ Includes field, fresh sweet, forage, fodder, seed, and popcorn.
approved	Use Restrictions – Corn (Used Alone)	
crops)		an three applications per year.
CORN	Weeds 1-3": 1.3-1.7 pts	Apply preplant or preemergence either broadcast or banded over the row using the specified
Tank Mixes	Weeds 3-6": 1.7-2 pts	rate in a minimum of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by
for No-	Weeds 6": 2-2.7 pts	air. Ensure that any tank mix partners allow application by air. Apply before, during, or after
till/Reduced Till		planting, but prior to the emergence of the crop as plants that come in contact with the spray will be killed. To improve burndown control of emerged grass and broadleaf weeds and for residual control, Parazone 3SL may be tank mixed with the following herbicides: 2,4-D ester (low volatile), acetochlor, atrazine, dicamba, thifensulfuron + tribenuron (Preplant only), linuron, metolachlor, pendimethalin and simazine When tank mixing, read and carefully follow all applicable use directions, restrictions, 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 insecticide products.
	Use Restrictions – Corn	(Tank Mixes)
	Do not make more th	an three applications per year.

FIELD CORN, POPCORN, SWEET CORN,	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.
SEED CORN (Post- emergence directed spray)		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.
		Corn, Popcorn, Sweet Corn, Seed Corn
		an 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.
	Use Restrictions – Field	Corn, Popcorn, Seed Corn
	 Do not apply within 7 	
	 Make only one applic 	
FIELD CORN ONLY (grain,	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.
fodder, forage)		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.
5,	Use Restrictions – Field	
		an 3 applications per year.
FIELD CORN ONLY (grain, fodder, forage) 2, 4-D Amine Tank Mix	5.4 fl oz	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, restrictions, 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.
	Use Restrictions – Field	
	 Do not make more th 	an 3 applications per year.

COTTON

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
COTTON	1.7-2.7 pts	Apply preplant or preemergence at the specified rate in a minimum of 10 gallons of spray per
(Used alone)		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.
	Use Restrictions - Cotte	
		nan 3 applications per year.
COTTON (Used alone) (California	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.
only)	Use Restrictions – Cotton (Used Alone) (California Only)	
	Do not make more t	nan 3 applications per year.
COTTON oxyfluorfenTa nk 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 oxyfluorfen according to the rate on the product label. When tank mixing, read and carefully follow all applicable use directions, restrictions, 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 Restrictions – Oxyf	luorfen Tank Mix
	Do not make more t	nan 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. Tor improve burndown control of emerged grass and broadleaf weeds and for residual control, Parazone 3SL may be tank mixed with the following herbicides: : diuron, fluometuron, metolachlor, MSMA norflurazon, pendimethalin, prometryn,

	-		
		thifensulfuron + tribenuron (Preplant Only). When tank mixing with fluometuron, follow the mixing instructions on the respective labels and maintain constant agitation. When tank mixing, read and carefully follow all applicable use directions, restrictions, 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 Restrictions – Cotte		
		han 3 applications per year.	
COTTON Post- emergence Directed Spray (Hooded or Shielded)*	1.2- 2.0 pts Use Restrictions – Cotte		
		han 3 applications per year.	
COTTON Harvest aid	* Not for use in Californ 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 restrictions.	
		Parazone 3SL can also be applied in a tank mix with methyl parathion and/or lambda- cyhalothrin 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 barvest and grazing	
	Image: harvest and grazing. Use Restrictions – Cotton (Harvest Aid)		
	• When tank mixing, read and carefully follow all applicable use directions, restrictions, 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. 		
		nan 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 Ethephon Plant Growth Regulator and Folex® Defoliant. 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.	
	Use Restrictions – Cotton (Harvest Aid)		
	• When tank mixing, read and carefully follow all applicable use directions, restrictions, 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.	
	 Use Restrictions – Cotton (Harvest Aid) When tank mixing, read and carefully follow all applicable use directions, restrictions, 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 exceed a tota	tock in treated fields or feed treated foliage. al of 1.3 pts/A as a harvest aid. nan 4 applications per year.	
		hree days of harvest or grazing.	

 3.7-5.4 fl oz + phosphate or sodium chlorate and/or other compatible harvest aid products (western cotton) Western cotton) For use in cotton for boil opening and as a mid- to late-defoliation treatment. Mid defoliation and/or other tank mix with sodium chlorate or phosphate defoliation dror other tank mixing, read and carefully follow all applicable use directions, restrictions, and limitations on the respective product (abels). In interpreting the label(s) of tank mixed products, the most restrictive label limi must apply. Do not make more than 4 application in an inimum of 10 gallons of spray per acce by group defoliation. Corton Western and mixing, read and carefully follow all applicable use directions, restrictions, and limitations on the respective product (abels). In interpr	d- to late- bolls will be cone 3SL ound or 5 used with		
Use Restrictions – Cotton (Harvest Aid) • When tank mixing, read and carefully follow all applicable use directions, restrictions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limit must apply. • Do not pasture livestock in treated fields or feed treated foliage. • 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 or phosphate defoliant and/or other at a defoliation timing is when 75% or more of the bolls are opening and the remaining b harvested are mature (approximately 3 or fewer NACB). Development of immature bo inhibited. In desert cotton or on rank vigorous cotton, use the higher rate of Paraz gallons of spray per acre by air. Do not harvest within 7 days of application when the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limit must apply. COTTON Use Restrictions – Cotton (Harvest Aid) Harvest aid • When tank mixing, read and carefully follow all applicable use directions, restrictions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limit must apply. • Do not pasture livestock in treated fields or feed treated foliage. • Do not apply within three days of harvest aid. • Do not apply within three days of harvest or grazing 2.1-7.5 fl oz Stripper or spindle harvested: Apply when 75% of the bolls are open and the remain to be harvested are mature. Make a broactast application at the specifi	itations d- to late- polls to be cone 3SL ound or 5 used with e itations		
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(stripper or spindle harvested – all areas) to be harvested are mature. Make a broadcast application at the specified dosage in a of 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air for d and boll opening. It is advisable to apply the range of rates on a small block of determine the rate that best fits your environmental and plant conditions. Develo immature bolls will be inhibited. Slice bolls and inspect seed for maturity. Parazone be applied alone or tank mixed with the following cotton harvest aids: Folex Defoliant, Plant Growth Regulator or other products containing ethephon. Split applications may but do not exceed a total of 1.3 pints per acre. To avoid leaf sticking, apply Parazon	ning bolic		
a desiccant approximately 3-7 days after defoliation or a conditioning application and 7 before harvest. Cooler temperatures may cause a longer waiting period between appl Parazone 3SL as a desiccant and defoliation/conditioner. Lower rates in the range necessary south of I-10 in Texas where temperatures are typically higher during deformed on the temperatures are typically higher during deformed on te	minimum defoliation cotton to ppment of 3SL may Ethephon be made ne 3SL as 7-14 days lication of e may be		
Use Restrictions – Cotton (Harvest Aid)	Use Restrictions – Cotton (Harvest Aid)		
 When tank mixing, read and carefully follow all applicable use directions, restrictions, and limitations on the 	• When tank mixing, read and carefully follow all applicable use directions, restrictions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations		
 Do not pasture livestock in treated fields or feed treated foliage. 	Do not pasture livestock in treated fields or feed treated foliage.		
Do not apply within three days of harvest or grazing.			
0.7-1.3 pts Late season desiccation: Apply when 85% of the bolls are open and the remaining b			
(late season desiccation)harvested are mature. Apply specified dosage by broadcast application in a minim gallons of spray per acre by ground or 5 gallons of spray per acre by air. It is advisable the range of rates on a small block of cotton to determine the rate that best environmental and plant conditions. Development of immature bolls will be inhibited. S and inspect seed for maturity. Split applications may be made but do not exceed a to pints per acre. To avoid leaf sticking, apply Parazone 3SL as a desiccant approxim days after defoliation or conditioning. Lower rates in the range may be necessary sou in Texas where temperatures are typically higher during defoliation.	e to apply fits you Slice bolls otal of 1.3 nately 3-7		
Use Restrictions – Cotton (Harvest Aid)			
 When tank mixing, read and carefully follow all applicable use directions, restrictions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limit 			
must apply	e		
 must apply. Do not pasture livestock in treated fields or feed treated foliage 	e		
Do not pasture livestock in treated fields or feed treated foliage.	e		
	e		

	0.75-1.25 pts (desiccation of	Apply as a broadcast application in 10 gallons of spray per acre by ground or 5 gallons of spray per acre by air.	
	regrowth)	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.	
		on (Harvest Aid) ead and carefully follow all applicable use directions, restrictions, and limitations on the abel(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations	
	 Do not pasture lives Do not exceed a total 	tock in treated fields or feed treated foliage. al of 1.3 pts/A as a harvest aid. nan 4 applications per year.	
		hree days of harvest or grazing.	
COTTON Harvest aid (Texas , except in the counties of Starr, Hidalgo,	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: Folex® defoliant and Ethephon Plant Growth Regulator or other products containing ethephon. 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 restrictions.	
Willacy, and	Use Restrictions - Cotte		
Cameron)	When tank mixing, relationships and the second	ead and carefully follow all applicable use directions, restrictions, and limitations on the abel(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations	
	 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. 		
		tock in treated fields or feed treated foliage.	
		al of 32 fl oz (0.75 lb ai) per acre per crop season. adcast harvest aid applications may be made.	
	 Allow 7 days betweet 		
		hree days of harvest or grazing.	
		n 7 days of application if used with phosphate or chlorate defoliants.	
	 When combined with phosphate defoliants, observe livestock restrictions listed on the phosphate label. Do not pasture lactating dairy animals. 		
		h phosphate defoliants, observe livestock restrictions listed on the phosphate label.	
	11.2 to 21 fl oz	Use to desiccate regrowth occurring after defoliation or desiccation.	
	(0.26 to 0.49 lb ai) Late season harvest aid desiccation of	 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. 	
	stripper cotton or spindle-harvested cotton	 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. 	
	Use Restrictions – Cotton (Harvest Aid)		
	 When tank mixing, read and carefully follow all applicable use directions, restrictions, 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. 		
	 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 lacta		
	When combined with 11.2 to 21 fl oz	 phosphate defoliants, observe livestock restrictions listed on the phosphate label. Use to desiccate regrowth occurring after defoliation or desiccation. 	
	(0.26 to 0.49 lb ai) Desiccation of regrowth	 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 exception and the processive 	
		Use higher specified rate if regrowth is excessive.	

Use Restrictions – Cotton (Harvest Aid)
• When tank mixing, read and carefully follow all applicable use directions, restrictions, 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 restrictions listed on the phosphate label.

EASTER LILIES

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
EASTER LILIES	1.7-2.7 pts	Apply preemergence in a minimum of 10 gallons of spray per acre by ground.
(Field grown)	 Use Restrictions – Easte Do not make more the 	r Lilies (Field Grown) an 2 applications per year.

FALLOW LAND

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
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.
	 Use Restrictions – Fallow Land Do not make more than 2 applications during the fallow period. 	

GRASSES

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS	
GRASSES	1.3-2.7 pts	Apply specified dosage preplant, at planting, or preemergence in 10 gallons of spray per acre	
(For Seed)		by ground. Prepare the seedbeds and allow weeds to germinate. When weeds are at the 3-5	
(For Use in		leaf stage, apply Parazone 3SL. Repeat applications as necessary prior to grass emergence,	
Seedbed		but do not exceed three applications per year.	
Preparation)	Use Restrictions – Gr		
	 Do not graze treat 	ed areas or use the seed or straw from treated areas for animal feed or bedding.	
	 Do not make more 	make more than 3 applications per year.	
GRASSES	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	
(Kentucky		minimum of 5 gallons of spray per acre. For use on Kentucky bluegrass seed production fields	
Bluegrass		in Minnesota as a post harvest application to facilitate burning. Add a nonionic surfactant at a	
grown for		rate of 1 pint per 100 gals. (75% or greater surface active ingredient) or 2 pints per 100 gallons	
seed only)		(50-74% surface active ingredient). Make application 1-4 weeks after harvest and wait 3-7 days	
		before burning fields.	
(Minnesota	Use Restrictions – Gr	Grasses (Kentucky Bluegrass Grown For Seed Only)	
only)	Do not apply more	o not apply more than 2 applications per season.	
	 Do not apply this p 	Do not apply this product through any type of irrigation system.	
	Do not graze or fe	Do not graze or feed hay from treated fields prior to burning.	

GUAR

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
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.
	Use Restrictions – Guar 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

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
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.
	Use Restrictions – Guava	
	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

CROPS	PARAZONE 3SL RATE PER ACRE	S	
HOPS (ID, OR, & WA only)	1.3 pts Apply specified dosage as a directed spray in a mi ground. For suckering and stripping, spray only necessary, but do not exceed three applications per Cascade, Yakima Cluster, and Bullion is limited. If u these, test on a small number of vines of each varie not use on unlisted varieties if unacceptable crop in back existing vines and obtain even emergence of less than 3 ft. tall. Unacceptable injury may occur than 6 ft. tall.	the basal 2 ft. of the vines. Repeat as r year. Experience with varieties other than using Parazone 3SL on varieties other than ety to determine sensitivity to injury and do njury occurs. For chemical pruning to burn f subsequent vines, spray when vines are	
	Use Restrictions – Hops	Use Restrictions – Hops	
	 Do not apply within 14 days of harvest or grazing. 	Do not apply within 14 days of harvest or grazing.	
	 Do not apply more than 3 times per year. 	Do not apply more than 3 times per year.	
	 Do not allow spray to contact green stems, foliage, flowers, or cones as injust 	 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	Do not allow animals to graze in treated hopyards, but hop vine refuse and silage may be fed to livestock.	

LENTILS

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS	
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.	
	Not registered for use	n weather conditions favor spray drift. A drift control agent may be included to reduce spray drift. use on lentils in California. e than 2 applications per year nor exceed a total of 1.3 pts per acre.	

MINT

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
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 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, restrictions, 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	U	se Restrictions – Mint
	•	Do not apply more than 2 pts per acre per dormant season.
	•	Do not make more than 2 applications per year.

ONIONS, GARLIC

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS	
ONIONS	1.7-2.7 pts	Apply specified dosage preplant or preemergence in a minimum of 10 gallons of spray per acre	
(seeded), GARLIC		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.	
GAREIC	Use Restrictions – Onior	se Restrictions – Onions (Seeded), Garlic	
	 Do not apply within 6 harvest. 	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 the	Do not apply more than 2.7 pts per acre per year nor apply more than once per year.	

PASSION FRUIT

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS	
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.	
		Use Restrictions – Passion Fruit	
	Do not make more than 5 applications per year.		
	Do not allow animals to graze in treated areas.		

PEANUTS

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
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, tank mix Parazone 3SLwith metolachlor or imazethapyr for residual weed control. When tank mixing, read and carefully follow all applicable use directions, restrictions, 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.
	Use Restrictions – Pean	uts
	 Do not apply by air. 	
	 Do not make more th season. 	an 2 applications per season nor apply a total of more than 10.8 fl oz of product per acre per
PEANUTS Bentazone Tank Mix	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 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 bentazone will improve control of cocklebur, bristly starbur, smartweed, and prickly sida. When tank mixing, read and carefully follow all applicable use directions, restrictions, 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.
	Use Restrictions – Pean	uts Bentazone Herbicide Tank Mix
	 Do not apply by air. 	
	 Do not make more th season. 	an 2 applications per season nor apply a total of more than 10.8 fl oz of product per acre per
		x mix if peanuts show injury (leaf phytotoxicity and/or plant stunting) produced by any other s injury may be enhanced and/or prolonged.
		mix during prolonged periods of drought or unseasonably cold weather as unsatisfactory
PEANUTS 2,4-DB Tank Mix	5.4-10.8 fl oz	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 2,4-DB will improve control of weeds such as cocklebur, sicklepod, and morningglory. When tank mixing, read and carefully follow all applicable use directions, restrictions, 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.
	Use Restrictions – Pean	uts 2,4-DB Tank Mix
	• Do not apply by air.	
		an 2 applications per season nor apply a total of more than 10.8 fl oz of product per acre per
	season.	

PEANUTS Suppression of glyphosate- resistant Palmer Amaranth (Not for use in CA)	Mix 1 part Parazone 3SL 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 the roller application mether Do not exceed 0.5 lb Do not allow livestock 	uts (Suppression of Glyphosate-resistant Palmer Amaranth) an 0.67 pints/acre (0.25 lbs ai/acre) of Parazone 3SL using the recirculating wick or carpet nod. ai/acre total for all Parazone 3SL applications to peanut. to graze in treated areas. reshings from treated fields to livestock.

PERSIMMON

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS	
PERSIM-	2.5 pts	Apply specified dosage as a directed spray in a minimum of 10 gallons of spray per acre by	
MON		ground. Mature woody weeds, late-germinating weeds and grasses, and perennials may need	
(Not for use	spot spraying or retreatment, but do not exceed five applications per year.		
in CA)	Use Restrictions – Persimmon		
	Do not allow spray to	Do not allow spray to contact green stems, fruit, or foliage.	
	 Do not graze treated 	Do not graze treated areas.	
	Do not feed cover cro	Do not feed cover crops grown in treated areas to livestock.	
	Do not make more th	Do not make more than 5 applications per year.	

PIGEON PEAS

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
PIGEON PEAS	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.
(Puerto Rico only)	 Use Restrictions - Pigeon Peas 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

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
PINEAPPLE	1.3-2.7 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.
	Use Restrictions – Pinea	
	 Do not make more th Do not apply within 2 	an 3 applications per season.
	 Do not apply within 2 	o days of harvest.

ΡΟΤΑΤΟ

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
ΡΟΤΑΤΟ	0.7-1.3 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.
	Use Restrictions – Potate	0
	Do not make more th	an 3 applications per year.
POTATO (Used alone) (CA, WA, ID,	0.4-0.7 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.
OR only)	Use Restrictions – Potato (Used Alone)	
	Do not make more th	an 3 applications per year.

POTATO (Fresh market potatoes only) ¹ (see "Remarks" section for		0.7-1.3 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.
list of states)			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
	Use	e Restrictions – Potato (Fresh Market Potatoes Only)	
	•	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 pt	
	•	Do not make more than 2 applications per year.	
	•	Do not apply within 3	days of harvest.

RICE

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
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, restrictions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply.
	weather delays speed of k	Is hours of application in order to ensure complete kill of vegetation. If cool, cloudy, and/or wet kill, do not flood/flush until complete kill is evident.
	 Do not make more the 	an 3 applications per year.

SAFFLOWER

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
SAFFLOWER	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.
	Use Restrictions – Safflower	
	 Do not make more th 	an 3 applications per year.
SAFFLOWER	0.7 pt	Apply as a preplant broadcast spray in a minimum of 10 gallons of spray per acre by ground or
(CA only)		5 gallons of spray per acre by air. This application is effective for control of volunteer barley in preformed seedbeds.
	Use Restrictions – Safflower	
	Do not make more than 3 applications per year.	

SMALL GRAINS

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
SMALL GRAINS (Barley,	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.
Wheat)	Use Restrictions – Small	
	 Do not make more th 	an 3 applications per year.
SMALL GRAINS (Wheat Only) Hoelon® 3EC Tank Mix	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, restrictions, 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 Restrictions – Small	
		an 3 applications per year.
	 Do not apply this tank 	mix on barley as crop injury may result.

SORGHUM		
CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
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.
	Use Restrictions – Sorgh	num (Grain)
	Do not make more th	an 3 applications per year.
	Do not apply within 4	8 days of harvest for grain and 20 days of harvest for forage.
SORGHUM (Grain) Atrazine &	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 to improve 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
2,4-D ester [low volatile] Tank Mix		application. When tank mixing, read and carefully follow all applicable use directions, restrictions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply.
	0	num (Grain) (Atrazine & 2,4-D ester [low volatile] Tank Mix)
		an 3 applications per year.
SORGHUM		8 days of harvest for grain and 20 days of harvest for forage.
(Grain)	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 thifensulfuron + tribenuron for improved weed control. When tank mixing, read and carefully follow all applicable use
Thifensulfuro		directions, restrictions, and limitations on the respective product label(s). In interpreting the
n +		label(s) of tank mixed products, the most restrictive label limitations must apply.
Tribenuron		num (Grain) (Thifensulfuron + Tribenuron Tank Mix)
Tank Mix		an 3 applications per year.
		8 days of harvest for grain and 20 days of harvest for forage.
SORGHUM (Grain)	0.7-1.3 pts	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.
	Do not exceed 2 postemer	gence-directed applications or exceed a total of 5.3 pts Parazone 3SL per season or per year. 8 days of harvest for grain and 20 days of harvest for forage.

SOYBEANS

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
SOYBEANS	Weeds 1-3": 1.3-1.7 pts Weeds 3-6": 1.7-2 pts Weeds 6": 2-2.7 pts	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-D, 2,4-DB, chlorimuron, clomazone, cloransulam, fomesafen, imazaquin, imazethapyr, linuron, metolachlor, metribuzin, oryzalin, oxyfluorfen, pendimethalin, sulfentrazone, and thifensulfuron + tribenuron (Preplant Only) and lambda-cyhalothrin insecticides
		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, restrictions, 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 Restrictions – Soybe	eans
	 Do not exceed a total 	of 4.0 pts of Parazone 3SL per season.
1		an 3 applications per year.
	 Do not graze or harve 	est for forage or hay before the R3 stage of soybean development (early pod).

SOYBEANS	Weeds 1-3": 1.3-1.7 pts	Apply preplant or preemergence at the specified dosage in a minimum of 10 gallons of spray		
2,4-D ester	Weeds 3-6": 1.7-2 pts	per acre by ground or 5 gallons of spray per acre by air.		
(low volatile)	Weeds 6": 2-2.7 pts			
Tank Mix	110000 0 : 2 2:1 pto	When tank mixing, read and carefully follow all applicable use directions, restrictions, and		
		limitations on the respective product label(s). In interpreting the label(s) of tank mixed products,		
		the most restrictive label limitations must apply.		
	-	eans (2,4-D Ester [Low Volatile] Tank Mix)		
		an 3 applications per year.		
		e formulation of 2,4-D as the activity of Parazone 3SL may be reduced.		
		ster (low volatile) prior to planting soybeans if soybean injury, including possible loss of stand		
	and yield, are not ac			
SOYBEANS	3.0-5.3 fl oz	Apply specified dosage as a postemergence directed spray (includes hooded or shielded) in a		
	(post emergence	minimum of 10 gallons of spray per acre by ground when weeds are actively growing. Use the		
	directed spray: includes	lower rate to control seedling Johnsongrass, crabgrass, goosegrass, brachiaria, Texas millet,		
	hooded or shielded)	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, restrictions, 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 Restrictions – Soybeans			
	Do not make more than 3 applications per year.			
	 Do not graze or harvest for forage of hay. 			
	5.4-10.7 fl oz	Harvest Aid: Apply specified rate in a minimum of 20 gallons of spray per acre by ground or 5		
	0.1110.11102	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, 1/2 of		
		leaves have dropped, and remaining leaves are yellowing. Immature soybeans will be injured.		
		l las the bigher rate for a skile hur souther. Moture a skile hur son skilly dus us ht strands de sta		
		Use the higher rate for cocklebur control. Mature cocklebur, especially drought-stressed plants,		
	Use Restrictions – Soyb	are tolerant to Parazone 3SL and desiccation will not be complete.		
	 Do not apply within 15 days of harvest. Do not make more than 3 applications per year. 			
	 Do not graze or harv 	est for forage of flay.		

STRAWBERRIES

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS	
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.	
	Use Restrictions – Straw	se Restrictions – Strawberries	
	 Do not allow spray to 	Do not allow spray to contact strawberry plants as injury or excessive residues may result.	
	 Do not apply more th 	Do not apply more than 3 times per season or per year.	
	 Do not graze livestoo 	Do not graze livestock in treated areas.	
	Do not apply within 2	Do not apply within 21 days of harvest.	

SUGAR BEETS

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
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.
	Use Restrictions – Sugar	r Beets
	Do not make more than 3 applications per year.	

SUGARCANE

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS	
SUGAR-	See rate below based	For all sugarcane growing areas, the following comments are applicable.	
CANE	on geographical area to be treated	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.	
	Use Restrictions – Sugar		
		areas or feed treated forage to livestock.	
		an 2 applications per year.	
	1.3 pts	In Hawaii, apply specified rate in a minimum of 20 gallons of spray per acre by ground but do	
	(HI only)	not apply after the cane rows have closed in.	
	Use Restrictions – Sugarcane (HI Only)		
	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.	
	Use Restrictions – Sugarcane (LA Only)		
	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.	
	Use Restrictions – Sugarcane (FL and TX Only)		
		areas or feed treated forage to livestock.	
	Do not make more the	an one application per year.	

SUNFLOWER

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
SUN- FLOWER	1.7-2.7 pts (preplant or	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
	preemergence)	broadcast or banded over the row.
	Use Restrictions – Sunfl	ower
	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.
Use Restrictions – Sunflower		
		an 2 applications per year.
	Do not apply within 7	
	Do not graze treated areas or feed treated forage to livestock.	

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TARO, DRYLAND

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS	
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	
	Use Restrictions – Taro,	e Restrictions – Taro, Dryland	
	 Do not make more th 	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 	Do not harvest within 6 months (180 days) of last application.	

TREE PLANTATION ESTABLISHMENT

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
TREE PLANTA- TION ESTABLISH- MENT Deciduous and Conifers		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, restrictions, 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.

TREES AND VINES

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
TREES AND VINES Orchards, Vineyards, Windbreaks, Shade &	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.
Ornamental Trees Acerola Apples Apricots		Parazone 3SL may be used as a directed spray in tank mix combination with the following herbicides: bromacil, diuron, napronamide, oryzalin, oxyfluorfen, simazine, or terbacil When tank mixing, read and carefully follow all applicable use directions, restrictions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply.

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Avecados	Les Pastristions Trass and Vince (Orchards Vinceards Windbracks Shade & Ornamental Trass)
_	Jse Restrictions – Trees and Vines (Orchards, Vineyards, Windbreaks, Shade & Ornamental Trees)
	De net apply mere anal e peet energenee application per year except for apreede (e peet energenee
Beechnut	directed applications per year), cherries (3 post emergence directed applications per year), kiwi fruit (3 applications
Brazil Nut	per year), nectarines (3 post emergence directed applications per year), olives (4 post emergence directed
Butternut	applications per year), peaches (3 post emergence directed applications per year), pistachios (5 applications per year
Calamondin	total but only 2 after shells split), plums (3 post emergence directed applications per year).
Cashew •	
Cherries	of harvest for kiwi fruit, 28 days of harvest for nectarines, 13 days of harvest for olives, 14 days of harvest for peaches,
Chestnut	7 days of harvest for pistachios, 28 days of harvest for plums.
Chinautania	
Citaria Citaria	
Citrus Citron	De net anon opraj le contact nati, renage, er green eterne exception exciterer
Coffee	Do not feed cover crops grown in treated areas to livestock.
Figs	Do not apply when figs, nuts, or olives to be harvested are on the ground.
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.	
TREES AND	0.7-1.2 pts Apply specified dosage as a dormant application in a minimum of 10 gallons of spray per acre
VINES	by air for the control of annual weeds in grapes. Make applications when weeds are succulent
Grapes-	and growth is from 1 to 6 inches high. Add a nonionic surfactant containing 50% surface-active
dormant	agent at 1-2 pts per 100 gallons of the finished spray volume.
	Jse Restrictions – Trees and Vines (Grapes – Dormant Application)
application U	
•	Do not apply more than once per season.
(Colliformia	Do not enter treated field within 24 hours after application.

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PERENNIAL TROPICAL AND SUBTROPICAL FRUIT TREES

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
PERENNIAL TROPICAL	1.8 – 2.5 pts	Apply specified dosage as a directed spray in a minimum of 10 gallons of spray per acre by ground. Apply only with backpack sprayers or ground boom equipment. For suckering, spray
AND SUB-		when suckers are 4" to 8" tall. Spot spraying or retreatment may be needed for perennial,
TROPICAL		mature woody weeds, and late germinating weeds and grasses.
FRUIT TREES		nial Tropical and Subtropical Fruit Trees
Atemoya	Do not apply within 1	
Biriba		an 4 applications per year.
Black sapote		ication is to be made, maintain a minimum of 28 days between subsequent applications.
Canistel	Do not graze treated	
Cherimoya		contact fruit, foliage, or green stems (except suckers).
Custard	 Do not feed cover cro 	ps grown in treated areas to livestock.
apple		
Feijoa		
llama		
Jaboticaba		
Longan		
Lychee		
Mamey		
sapote		
Mango		
Pawpaw		
Pomegranate Pulasan		
Rambutan		
Sapodilla		
Soursop		
Spanish lime		
Star apple		
Starfruit		
Sugar apple		
Wax jambu		
White sapote		

TYFON

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
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.
	 Use Restrictions – Tyfon Do not make more the 	an 3 applications per year.

VEGETABLES

CROPS	PARAZONE 3SL RATE PER ACRE	REMARKS
VEGETABLES: Seeded or Trans- planted 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 harves	 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 oxyfluorfen. When tank mixing, read and carefully follow all applicable use directions, restrictions, and limitations on the respective product label(s). In interpreting the label(s) of tank mixed products, the most restrictive label limitations must apply. Vegetables (Seeded or Transplanted) at tomatoes within 30 days after application. more than 3 applications per season.

VEGETABLES:	1.3 pts Apply specified dosage as a directed spray between the row after crop establishment in a		
Eggplant	minimum of 10 gallons of spray per acre by ground to control or suppress emerged weeds.		
Tomatoes	Use precision directed spray equipment (not exceeding 30 psi nozzle pressure) adjusted to		
Peppers	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".		
	Use Restrictions – Vegetables		
	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.		
VEGETABLE:	1.6-2.5 pts After Final Harvest: Apply specified dosage after final harvest in 40-120 gallons of spray per		
Tomatoes	acre (0.62-0.93 lb a.i./A) by ground. Add NIS containing 75% or more surface active agent at		
Tomatooo	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.		
	Use Restrictions – Vegetable		
	5		
	 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).		
VEGETABLES:	0.4-0.7 pt Apply specified dosage as a broadcast application in a minimum of 10 gallons of spray per acre		
Lettuce	by ground or 5 gallons of spray per acre by air. Used for control of volunteer barley in preformed		
Melon	seedbeds.		
Sugar Beets	Use Restrictions – Vegetables		
Tomatoes	Do not harvest tomatoes within 30 days after application.		
(CA, WA, OR, ID	Do not apply more than 2 applications per season.		
only)			
VEGETABLE:	1.7-2.7 pts Apply specified dosage as a dormant application in a minimum of 10 gallons of spray per acre		
Rhubarb	by ground. Apply before buds in the crown begin to grow.		
	Use Restrictions – Vegetable		
	Do not apply more than 2 applications per season.		

RESIN SOAKING

CROPS	REMARKS
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 rather 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		

CONSERVATION RESERVE

CROP	PARAZONE 3SL RATE PER ACRE	REMARKS
CONSERVATION RESERVE, FEDERAL SET- ASIDE, CONSER- VATION COM- PLIANCE PRO- GRAMS ¹ (See footnote in "Remarks" section	1.7-2.7 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, restrictions, 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 For use in compliance with the Federal Conservation Reserve Program or Federal set-aside programs.
for notation)	Use Restrictions – Cons	
	 Do not apply more the 	nan 3 applications per season.

NONCROP USES

CROP	PARAZONE 3SL RATE PER ACRE	REMARKS	
NONCROP USES ¹ (See footnote in "Remarks" section	1.7-2.7 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.	
for notation)		¹ Including but not limited to public airports, electric transformer stations, pipeline pumping stations, around commercial buildings, storage yards and other installations, and fencelines.	
	 Use Restrictions – Noncrop Uses Do not apply more than 10 applications per year. 		

PASTURE RESEEDING

CROP	PARAZONE 3SL RATE PER ACRE	REMARKS	
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	0.7-1.3 pts Use Restrictions – Pasti Do not apply more th	 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. 	
For Control of	0.7-1.3 pts	Apply specified dosage as a broadcast application in a minimum of 10 gallons of spray	
Endophyte Fungus-	followed by	per acre by ground when fescue is actively growing and is no more than 4" high. If	
Infected Fescue	0.7-1.3 pts	necessary, use split applications of 10-21 days apart. For spring plantings, the initial	
Forage Legume/		application of 0.7-1.3 pts may be made the previous fall.	

Grass Mixture and	Use Restrictions		
Other Grass	 Do not allow fescue to go to seed starting with the preceding year's crop to reduce the infestation of endophyte- 		
Pastures	• Do not allow rescue to go to seed starting with the preceding year's crop to reduce the intestation of endophyte- infested grass.		
Fastures	 Do not make more than 2 applications per year. 		
	 Do not exceed 2.6 pts per acre total in preparation for reseeding. 		
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 us knapsack, backpack sprayers, pump-up pressure sprayers, hand-guns, hand war and other hand-held equipment which directs the spray onto weed foliage. Mix specified rate of Parazone 3SL with 1/3 fl oz of a nonionic surfactant per gallon of wa		
	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 picloram and 2, 4-D at a rate of 1-2 fl oz per gallon of water toimprove desiccation and perennial control of Prickly pear. Always refer to the tank mix partnerlabel for weeds controlled, rates of applications, directions for use, limitations, and restrictions.		
	Use Restrictions		
	 Do not apply more the 	nan 10 applications per year.	
For Juniper Species leaf moisture reduction or desiccation prior to <u>Prescribed</u> 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.	
	Use Restrictions		
		nan 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.	
	Use Restrictions		
	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 Fluid 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 and disposal.

PESTICIDE STORAGE:

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of reach of children, preferably in a locked storage area.

Do not store above 100°F for extended periods of time. Storage below 20°F can result in formation of crystals. If product crystallizes, store at 50°F to 70°F and agitate to redissolve crystals. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

PESTICIDE DISPOSAL:

Open dumping is prohibited. Pesticide wastes are toxic. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. 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 CONTAINERS:

Rigid, Nonrefillable containers small enough to shake (i.e. with capacities equal to or less than five gallons).

Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Pump or empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Shake for 10 seconds. Pump rinsate into application equipment or a mix tank. Repeat this procedure two more times. Once container is rinsed, [prepare container for recycling, then] offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Pressure rinse as follows: Pump or empty the remaining contents into application equipment or a mix tank. While container is in the closed transfer system rinse at 40 PSI for at least 30 seconds. Once container is rinsed, [prepare container for recycling], then]offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Rigid, Nonrefillable containers that are too large to shake (i.e. with capacities greater than 5 gallons, but less than 120 gallons).

Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Pump or empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Remove transfer hoses. 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. Pump or empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Once container is rinsed, [prepare container for recycling, then] offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Pressure rinse as follows: Pump or empty the remaining contents into application equipment or a mix tank. While container is in the closed transfer system rinse at 40 psi for at least 30 seconds. Once container is rinsed, [prepare the container for recycling, then] offer for recycling if available, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

Non-refillable Container Greater than or equal to 120 gallons:

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 the container for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

REFILLABLE CONTAINERS:

Refill this container with pesticide 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. **REFILLING OR RETURNING CONTAINERS:**

If refilling or returning container is planned, end users are not authorized to remove tamper evident cables, one way values or clean container.

RECYCLE OR DISPOSAL OF CONTAINERS:

End users are authorized to remove tamper evident cable as required to remove the product from the container unless the container is equipped with one way valves and refilling or returning is planned. Instructions for container rinsing and either recycling or disposal are as follows:

Bottom Discharge IBC (e.g. Schuetz Caged IBC or Snyder Square Stackable).

Pressure rinsing 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 pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g. Snyder 120 Next Gen, Bonar B120, Drums and Kegs).

Triple rinsing 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 triple rinse 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. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; and (b) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions. THIS WARRANTY DOES NOT EXTEND TO THE USE OF THIS PRODUCT CONTRARY TO LABEL INSTRUCTIONS, OR UNDER CONDITIONS NOT REASONABLY FORESEEABLE.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN TORT, CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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[Required Language for Product Package Safety Requirements Sticker to be affixed to all paraquat dichloride product containers]



3SL Herbicide

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Product Package Safety Requirements

NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES.		NUNCA TRANSFEIERA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLÍCITAMENTE PREVISTOS PARA PLAGUICIDAS.
ONE SIP CAN KILL.	DANGER POISON X PELIGRO VENENO X	UN SORBO PUEDE CAUSAR LA MUERTE.
CONTACT WITH SKIN MAY RESULT IN POISONING.		EL CONTACTO CON LA PIEL PUEDE CAUSAR ENVENENAMIENTO.

EXPOSURE TO EYES MAY CAUSE SUBSTANTIAL EYE INJURY.	DANGER EYE IRRITANT O	EXPOSICIÓN A LOS OJOS PUEDE CAUSAR LESIONES SUBSTANCIALES EN LOS OJOS.
PARAQUAT SHOULD ALWAYS BE STORED TIGHTLY CLOSED IN ORIGINAL CONTAINER, AND IN A LOCKED PLACE AWAY FROM CHILDREN AND ANIMALS.		EL PARAQUAT DEBE ALMACENARSE SIEMPRE CERRADO EN SU RECIPIENTE ORIGINAL, Y EN UN LUGAR CERRADO, ALEJADO DE NIÑOS Y ANIMALES.
READ ENTIRE LABEL PRIOR TO USING THIS PRODUCT.		LEA LA ETIQUETA COMPLETA ANTES DE USAR ESTE PRODUCTO.

EMERGENCY INFORMATION

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:

For Medical Emergencies phone:	1-888-681-4261
For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC®	1-800-424-9300
For Product Use Information phone: AMVAC®	1-888-462-6822

EPA Reg. No 5481-615





PARAQUAT SUPPLEMENTAL WARNING MATERIALS

Mockup of sticker to be affixed to the cap of all paraquat dichloride product containers:



COUNTER CARDS



3SL Herbicide

NEVER TRANSFER PARAZONE 3SL INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PARAZONE 3SL.		NUNCA TRANSFEIERA PARAZONE 3SL A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLÍCITAMENTE PREVISTOS PARA PARAZONE 3SL.
ONE SIP CAN KILL.	DANGER POISON PELIGRO VENENO VENENO	UN SORBO PUEDE CAUSAR LA MUERTE.
CONTACT WITH SKIN MAY RESULT IN POISONING.		EL CONTACTO CON LA PIEL PUEDE RESULTAR EN ENVENENAMIENTO.

EXPOSURE TO EYES MAY CAUSE SUBSTANTIAL EYE INJURY.	DANGER EYE IRRITANT		LA EXPOSICIÓN A LOS OJOS PUEDE CAUSAR LESIONES GRAVES A LOS OJOS.
PARAQUAT SHOULD ALWAYS BE STORED TIGHTLY CLOSED IN ORIGINAL CONTAINER, AND IN A LOCKED PLACE AWAY FROM CHILDREN AND ANIMALS.			EL PARAQUAT DEBE ALMACENARSE SIEMPRE CERRADO EN SU RECIPIENTE ORIGINAL, Y EN UN LUGAR CERRADO, ALEJADO DE NIÑOS Y ANIMALES.
READ ENTIRE LABEL PRIOR TO USING THIS PRODUCT.			LEA LA ETIQUETA COMPLETA ANTES DE USAR ESTE PRODUCTO.
		NO SEGUIR LAS INDICACIONES DE LA ETIQUETA REPRESENTA UNA INFRACCIÓN DE LA LEY FEDERAL Y ES PENADO COMO TAL.	

EMERGENCY INFORMATION

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:

For Medical Emergencies phone:	1-888-681-4261
For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC®	1-800-424-9300
For Product Use Information phone: AMVAC®	

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