Herbicide
A Weed, Grass, and Harvest Aid Desiccant/Defoliant Herbicide
Active ingredients:
Paraquat dichloride* . . . . . . . . . . . . . . . . . . 43.9%
Other ingredients: 56.1%
Total: 100.0%
*CAS No. 4685-14-7
Gramoxone SL 3.0 is formulated as a liquid containing 3.0 pounds paraquat cation per gallon as 4.134 pounds paraquat dichloride per gallon. Gramoxone SL 3.0 contains alerting agent (odor), emetic, and dye.

EPA Reg. No. 100-1652
EPA Est. 100-LA-001
SCP 1652A-L1 0919 4110694
KEEP OUT OF REACH OF CHILDREN / MANTENER FUERA DEL ALCANCE DE LOS NIÑOS.

DANGER / POISON PELIGRO / VENENO
Si usted no entiende la etiqueta, busque a alguien para que le explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)
See additional precautionary statements and directions for use inside booklet.
FIRST AID: Contains Paraquat Dichloride, a Bipyridylum Herbicide. If swallowed: SPEED IS ESSENTIAL. Immediate medical attention is required. If available, give an absorbent 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. If in eyes: Hold eye open and rinse slowly and gently with water for 15-30 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 15-30 minutes. Call a poison control center or doctor for further treatment advice. 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 dichloride. If person is not breathing, call 911 or an ambulance. Call a poison control center or doctor for further treatment advice.

ATTENTION
• CORROSIVE TO SKIN AND EYES.
• NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR Pesticides.
• STORE TIGHTLY CLOSED IN ORIGINAL CONTAINER, AND IN A LOCKED PLACE AWAY FROM CHILDREN AND ANIMALS.
• NEVER USE THIS PRODUCT IN RESIDENTIAL OR PUBLIC RECREATIONAL SETTINGS (E.g., HOMES, HOME GARDENS, SCHOOLS, RECREATIONAL PARKS, GOLF COURSES, AND/OR PLAYGROUNDS).
• THIS PRODUCT IS TOXIC; AN ALERTING AGENT (ODOR) HAS BEEN ADDED TO HELP PREVENT ACCIDENTAL INGESTION.
• SEE BACK OF PRODUCT CONTAINER FOR IMPORTANT SAFETY INFORMATION.

HOT LINE NUMBER:
For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call 1-800-888-8372.

• CORROSIVO PARA LA PIEL Y LOS OJOS.
• NUNCA TRANSFERA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O BEBIDAS O RECIPIENTES NO EXPÍCLITAMMENTE PREVISTOS PARA PLAGUIDADAS.
• MANTenga LA ETIQUETA COMPLETA ANTES DE USAR ESTE PRODUCTO.
• EN CASO DE ACCIDENTE, BUSQUE ATENCIÓN MÉDICA INMEDIATA. LOS SÍNTOMAS SON PROLONGADOS, DOLOROSOS Y PUEDEN SER MORTALES.

PARAQUAT DICHLORIDE GROUP 22 HERBICIDE

Gramoxone® SL 3.0
syngenta

2.5 gallons Net Contents
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1.0 FIRST AID

Contains Paraquat Dichloride, a Bipyridylium Herbicide

If swallowed
• SPEED IS ESSENTIAL. Immediate medical attention is required. If available, give an adsorbent such as activated charcoal, bentonite or Fullers Earth.
• Call a poison control center or doctor immediately for treatment advice.
• Do not give anything by mouth to an unconscious person.

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 treatment advice.

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 dichloride.
• If person is not breathing, call 911 or an ambulance.
• Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN
Refer to the booklet ‘Paraquat Poisoning. A Practical Guide to Diagnosis, First Aid and Hospital Treatment’. (http://www4.syngenta.com/what-we-do/crops-and-products/paraquat-safety) Administer either activated charcoal (100g for adults or 2g/kg body weight in children) or Fuller’s Earth (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 should 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

HOT LINE NUMBER
For 24-Hour Medical Emergency Assistance (Human or Animal)
Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident)
Call 1-800-888-8372

• CORROSIVE TO SKIN AND EYES.
• NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES.
• READ ENTIRE LABEL PRIOR TO USING THIS PRODUCT.
• IN THE CASE OF AN ACCIDENT, SEEK IMMEDIATE MEDICAL ATTENTION. SYMPTOMS ARE PROLONGED, PAINFUL, AND CAN BE FATAL.

ATTENTION
ATENCIÓN

• DANGER – FATAL IF SWALLOWED OR INHALED.
• CAUSES SEVERE EYE INJURY.
• CORROSIVE TO SKIN.
• NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES.
• STORE TIGHTLY CLOSED IN ORIGINAL CONTAINER, AND IN A LOCKED PLACE AWAY FROM CHILDREN AND ANIMALS.
• NEVER USE THIS PRODUCT IN RESIDENTIAL OR PUBLIC RECREATIONAL SETTINGS (E.G., HOMES, HOME GARDENS, SCHOOLS, RECREATIONAL PARKS, GOLF COURSES, AND/OR PLAYGROUNDS).
• THIS PRODUCT IS TOXIC! AN ALERTING AGENT (ODOR) HAS BEEN ADDED TO HELP PREVENT ACCIDENTAL INGESTION.
• SEE BACK OF PRODUCT CONTAINER FOR IMPORTANT SAFETY INFORMATION.

• PELIGRO: MORTAL SI SE INGIERE O INHALA.
• CAUSA LESIONES GRAVES EN LOS OJOS.
• CORROSO PARA LA PIEL.
• NUNCA TRANSFERIRA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLICITAMENTE PREVISTOS PARA PLAGUICIDAS.
• LEA LA ETIQUETA COMPLETA ANTES DE USAR ESTE PRODUCTO.
• EN CASO DE ACCIDENTE, BUSQUE ATENCIÓN MÉDICA INMEDIATA. LOS SÍNTOMAS SON PROLONGADOS, DOLOROSOS Y PUEDEN SER MORTALES.
2.0 PRECAUTIONARY STATEMENTS

2.1 Hazards to Humans and Domestic Animals

DANGER / POISON
PELIGRO / VENENO

May be fatal if swallowed. Fatal if inhaled. Do not breathe spray mist. Causes substantial but temporary eye injury. Harmful if absorbed through skin. 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.

2.2 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, 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 NIOSH-approved 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
• Chemical-resistant gloves - barrier laminate, butyl 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 NIOSH-approved powered air-purifying respirator with an HE filter with NIOSH approval number prefix TC-21C
• Chemical-resistant apron
• Face shield

2.2.1 USER SAFETY REQUIREMENTS

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.

2.2.2 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.

2.2.3 USER SAFETY RECOMMENDATIONS

User Safety Recommendations

Users should:

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

2.4 ADDITIONAL CERTIFIED APPLICATOR Paraquat Dichloride Training

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

2.3 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 washwaters or rinsate. Gramoxone SL 3.0 is a contact herbicide that desiccates all green plant tissue. Paraquat dichloride is a nonselective herbicide and will cause damage to nontarget crops and plants if off-target movement occurs. Extreme care must be taken to ensure that off-target drift is minimized to the greatest extent possible.

2.4 Physical or Chemical Hazards

This product is mildly corrosive to aluminum and produces hydrogen gas which may form a highly combustible gas mixture. Do not mix or store in containers, spray tanks, nurse tanks, or such systems made of aluminum or having aluminum fittings. This product is compatible with high density polyethylene and rubber lined steel containers. Do not mix or allow coming into contact with oxidizing agents. Hazardous chemical reaction may occur.

DIRECTIONS FOR USE

RESTRICTED USE PESTICIDE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Any weed population may contain or develop plants naturally resistant to paraquat dichloride and other Group 22 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Some naturally occurring weed biotypes resistant to paraquat dichloride may exist through normal genetic variability in any weed population. The repeated use of herbicides may select for the evolution of herbicide-resistant biotypes. Resistance can develop rapidly when the pesticide is used repeatedly in close succession like in annual crops and in the same area in consecutive years. When resistance develops, farmers may be forced to use more herbicides that are more toxic, more expensive, or less biodegradable.

**3.0 Resistance Management**

Some naturally occurring weed biotypes resistant to paraquat dichloride may exist through normal genetic variability in any weed population. The repeated use of herbicides with the same mode of action is known to lead under certain conditions to a selection of resistant weeds. The active ingredient in Gramoxone SL 3.0 is paraquat dichloride, a mechanism of action Group 22 herbicide, which inhibits Photosystem I (PSI).

Any weed population may contain or develop plants naturally resistant to paraquat dichloride and other Group 22 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Within the USA, specific biotypes of a number of species, including horseweed/marestail (Conyza canadensis), hairy fleabane (Conyza bonariensis), Italian ryegrass (Lolium perenne ssp. multiflorum), goosegrass (Eleusine indica), dotted duckweed (Landoltia punctata), and American black nightshade (Solanum americanum) have become resistant to paraquat.
3.1.1 PRINCIPLES OF HERBICIDE RESISTANT WEED MANAGEMENT

Scout and know your field
- Know weed species present in the field to be treated through scouting and field history. An understanding of weed biology is useful in designing a resistance management strategy. Ensure the weed management program will control all weeds present.
- Fields should be scouted prior to application to determine species present and growth stage. Always apply this herbicide at the full labeled rate and correct timing for the weeds present in the field.

Utilize non-herbical practices to add diversity
- Use diversified management tactics such as cover crops, mechanical weed control, harvest weed seed control, and crop rotation as appropriate.

Use good agronomic practices, start clean and stay clean
- Use good agronomic practices that enhance crop competitiveness.
- Plant into weed-free fields utilizing tillage or an effective burndown herbicide for control of emerged weeds.
- Sanitize farm equipment to avoid spreading seed or vegetative propagules prior to leaving fields.

Difficult to control weeds
- Fields with difficult to control weeds should be planted in rotation with crops that allow the use of herbicides with an alternative mode of action or different management practices.
- Difficult to control weeds may require sequential applications, such as a broad spectrum preemergence herbicide followed by one or more postemergence herbicide applications.

Do not oversee the technology
- Do not use more than two applications of this or any other herbicide with the same mode of action in a single growing season unless mixed with an herbicide with a different mode of action which provides overlapping spectrum for the difficult to control weeds.

Scout and inspect fields following application
- Prevent an influx of weeds into the field by controlling weeds in field borders.
- Scout fields after application to verify that the treatment was effective.
- Suspected- herbicide resistant weeds may be identified by these indicators:
  - Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
  - A spreading patch of non-controlled plants of a particular weed species; and
  - Surviving plants mixed with controlled individuals of the same species.

- Report non-performance of this product to your Syngenta retailer, Syngenta representative, or call 1-866-Syngenta (1-866-796-4368). If resistance is suspected ensure weed escapes are controlled using an herbicide with an effective mode of action and/or use non-chemical means to prevent further seed production.

Prevent weed escapes before, during, and after harvest
- Do not allow weed escapes to produce seed or vegetative structures such as tubers or stolons which contribute to spread and survival. Consider harvest weed seed management and control weeds post-harvest to prevent seed production.

Resistant Weeds
- Contact your local Syngenta representative, retailer, crop advisor or extension agent to determine if weeds resistant to this mode of action are present in your area. If resistant biotypes have been reported, use the full labeled rate of this product, apply at the labeled timing, and tank-mix with a different mode of action product so there are multiple effective modes of application for each suspected resistant weed.

4.0 APPLICATION DIRECTIONS

4.1 Methods of Application
- Applications with Gramoxone SL 3.0 alone or in tank mixtures are permitted by ground and by air.
- This product may only be applied with a backpack sprayer if the backpack equipment allows the product to be transferred into the sprayer from the original product container using a closed system as specified in the Use Restrictions Section (Section 6.1) of this label and the application rate does not exceed 0.5 lb ai/A (1.3 pts of this product) in 30 gallons of spray solution per acre.
- Preplant, preemergence, postemergence, and burndown applications are allowed as specified in Sections 6.0, 6.1, and 13.0 unless otherwise restricted in Section 6.0.

4.2 Application Equipment
- Configure spray equipment to provide accurate and uniform coverage of the target area and minimize potential for spray drift.
- To ensure accuracy, calibrate sprayer before each use. For information on spray equipment and calibrations, consult spray equipment manufacturers and/or state recommendations.
- Use sprayers that provide accurate and uniform application with nozzles designed to minimize drift and provide uniform coverage.
- Avoid using screens and strainers finer than 50 mesh.
- All equipment must be properly maintained.
- Gramoxone SL 3.0 is corrosive to aluminum. Aluminum and all other spray equipment must be washed to remove product residues after use.
- Prolonged exposure of this product to uncoated steel surfaces may result in corrosion and possible failure of the part.

For aerial application equipment:
- Gramoxone SL 3.0 is corrosive to aluminum. Aluminum aircraft structures that are exposed to spray solution or spray drift should be flushed thoroughly with water immediately after use.
- To prevent corrosion of exposed parts, thoroughly wash aircraft after each day of spraying to remove residues of this product accumulated during spraying or from spills.
- Landing gear are most susceptible.

4.2.1 NOZZLES
- Gramoxone SL 3.0 is a contact herbicide and thorough coverage of foliage is essential to maximize control of weeds and for effective crop desiccation/defoliation. Spray nozzles that will produce medium to coarse droplets are recommended. With certain tank-mix partners or in specific situations it may be necessary to use nozzles that produce larger droplets. If nozzles that produce droplets larger than coarse are used carrier volume should be a minimum of 20 gallons per acre.
4.3 Application Volume and Spray Coverage

- Since Gramoxone SL 3.0 is a contact-type herbicide, it is essential to obtain complete coverage for control of target weeds and thorough desiccation/defoliation of crops.
- Improper application technique will usually result in unacceptable weed control and unacceptable crop desiccation/defoliation.
- For ground application apply in a minimum of 10 gal/A of spray mixture. Increasing the carrier volume will likely result in improved control. For aerial application apply in a minimum of 5 gal/A of spray mixture.
- When spot spraying, spray to thoroughly wet the foliage, but not to the point of runoff.

4.4 Mixing Directions

1. Thoroughly clean spray equipment before using this product. Dispose of the cleaning solution in a responsible manner.
2. Prepare no more spray mixture than is needed for the immediate operation.
3. Keep product container tightly closed when not in use.
4. Agitate the spray solution before and during application.
5. Do not let the spray mixture stand overnight in the spray tank.
6. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

Always use clean water (free of mud or clay), clear liquid nitrogen, or complete clear liquid fertilizers as the carrier when spraying Gramoxone SL 3.0. Muddy water, or suspension-type fertilizers containing clay, can inactivate Gramoxone SL 3.0. Never use suspension-type fertilizers containing clay as the spray carrier. If using a complete clear liquid fertilizer containing high phosphate levels as the spray carrier, always use the higher rate of Gramoxone SL 3.0 and surfactant.

Note: When using liquid fertilizers such as 28% N as a spray carrier, non-ionic surfactant should be added to the spray mixture. Liquid fertilizer carriers cannot substitute for surfactant.

4.4.1 GRAMOXONE SL 3.0 ALONE

1. Fill the spray tank 1/2 full with clean water or other approved carrier.
2. Add a nonionic surfactant to the tank.
3. Begin tank agitation and continue throughout mixing and spraying.
4. Add Gramoxone SL 3.0 to the tank.
5. Add crop oil concentrate or methylated seed oil to tank where needed.
6. Fill remainder of spray tank.

SPOT SPRAYING

When only small areas are to be sprayed with labeled applications, it is advantageous to mix small quantities of Gramoxone SL 3.0. To aid in mixing small quantities, use the following table.

<table>
<thead>
<tr>
<th>If The Broadcast Rate Per Acre for Gramoxone SL 3.0 Is:</th>
<th>Add The Following Amount of Gramoxone SL 3.0 To 1 Gallon of Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/2 pt</td>
<td>3/8 fl oz</td>
</tr>
<tr>
<td>2 pt</td>
<td>1/2 fl oz</td>
</tr>
<tr>
<td>2 1/2 pt</td>
<td>3/4 fl oz</td>
</tr>
<tr>
<td>3 pt</td>
<td>1 fl oz</td>
</tr>
<tr>
<td>1/3 fl oz</td>
<td>2/3 fl oz</td>
</tr>
</tbody>
</table>

Always add 1/3-1/2 fl oz of a nonionic surfactant for each gallon of spray.

4.4.2 TANK-MIX PRECAUTIONS

- It is the pesticide user’s responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions, 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.
- Consult http://www.syngenta-us.com/herbicides/gramoxone-sl-3.0 for a list of products that have been evaluated for tank-mix compatibility with this product.
- If additional information needed, contact local Syngenta representative for more information regarding tank.
- Tank mixes with other pesticides, fertilizers, or any other additives with Gramoxone SL 3.0 may result in tank mix incompatibility or unsatisfactory performance.

4.4.3 GRAMOXONE SL 3.0 IN TANK MIXTURES

1. Fill spray tank 1/2 full with clean water or other approved carriers such as clear liquid fertilizer.
2. Add nonionic surfactant to tank.
3. Begin tank agitation and continue throughout mixing and spraying.
4. Add dry formulations (WP, DF, etc.) to tank.
5. Add liquid formulations (SC, EC, L, etc.) to tank.
6. Add Gramoxone SL 3.0 to tank.
7. Add crop oil concentrate or methylated seed oil to tank where needed.
8. Fill remainder of spray tank.

4.4.4 SPRAY ADDITIVES

Always add one of the following (failure to use one of the following at recommended rates will result in reduced performance of Gramoxone SL 3.0).

- Nonionic Surfactant: For ground and aerial application, add nonionic surfactant containing 80% or more surface-active agent at a minimum of 0.25% v/v (2 pt/100 gal) of the finished spray volume. Non-ionic surfactant is the preferred adjuvant when tank-mixed with other herbicides.
- Crop Oil Concentrate or Methylated Seed Oil: Add a nonphytotoxic crop oil concentrate or methylated seed oil containing 15-20% approved emulsifier, at 1.0% v/v (1 gal/100 gal) of the finished spray volume for ground applications. For aerial applications, add 1 pint of crop oil concentrate per acre. Do not use crop oil concentrate when using Gramoxone SL 3.0 for cotton harvest aid.

Use an adjuvant that meets the requirements of the Chemical Producers and Distributors Association (CPDA) adjuvant certification program.
4.5 Sprayer Cleanout
To avoid subsequent injury to other crops, thoroughly clean mixing and application equipment immediately after spraying. The following instructions are provided:
1. Do not clean sprayer near desirable vegetation, wells or other water sources.
2. Drain and flush tank walls, boom and all hoses with clean water.
3. Prepare a solution of water/strong detergent or a commercial sprayer cleaner or ammonia.
4. Be sure to wash all internal parts of the tank, including the inside top surface with the cleaning solution. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
5. Flush hoses, spray lines and nozzles for at least one minute with the cleaning solution.
6. Repeat steps 3-5 for two additional times.
7. Remove nozzles, screens and strainers, and clean separately in the cleaning solution after completing the above procedures.
8. Drain lines, filters and sump.
9. Rinse the complete spray system with clean water.
10. Dispose of all rinsate according to local, state and federal regulation.

5.0 RESTRICTIONS AND PRECAUTIONS

6.0 RESTRICTIONS AND PRECAUTIONS

6.1 Use Restrictions
- For containers less than or equal to 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 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.
- NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS.
- DO NOT USE OR STORE IN OR AROUND THE HOME.
- DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.
- DO NOT apply this product through any type of irrigation system.
- DO NOT use this product in residential or public recreational settings (e.g., home, home gardens, schools, recreational parks, golf courses, and/or playgrounds.
- 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.
- For broadcast applications of this product using backpack sprayers, the application rate must not exceed 0.50 lb ai/A (1.3 pts of this product) in a minimum of 30 gallons of spray solution per acre.

6.2 Use Precautions
- In dry areas, dust stirred up by high winds or equipment can coat weed or plant leaves and reduce Gramoxone SL 3.0 activity. Avoid applying Gramoxone SL 3.0 in extremely dusty conditions.
- In preplant and preemergence (to the crop) uses, do not apply to soils lacking clay minerals, e.g., peat, muck, pure sand, artificial planting media.
- To reduce germination of new weeds, seeding or transplanting should be done with a minimum amount of soil disturbance.
- Gramoxone SL 3.0 used for preplant weed control over the top of plastic mulch may damage transplants which come in contact with the plastic. Sufficient rainfall or sprinkler irrigation to cause wash-off prior to planting may be needed to prevent damage to the crop.
- Weeds emerging after application of Gramoxone SL 3.0 will not be controlled or suppressed.
- Unless otherwise indicated, crop plants emerged at time of application may be severely injured or killed if contacted by sprays of Gramoxone SL 3.0.

6.3 Spray Drift Management
- AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.
- The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator and grower must consider the interaction of equipment and weather-related factors to ensure that the potential for drift to sensitive non-target plants is minimal.
- This pesticide may only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, non-target plants) is minimal (i.e., when the wind is blowing away from the sensitive area).
- Consult with local and State agricultural authorities for information regarding avoiding or minimizing spray drift.
- The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator and grower must consider the interaction of equipment and weather-related factors to ensure that the potential for drift to sensitive non-target plants is minimal.
- Do not release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For applications prior to the emergence of crops and target weeds, applications are required to use a coarse or coarser droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

6.3.2 BOOM-LESS GROUND APPLICATION
- Applicators are required to use a Medium or coarser droplet size (ASABE S572.1) for applications.
- Do not apply during temperature inversions.

6.3.3 GROUND BOOM APPLICATIONS
- DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.
- DO NOT USE OR STORE IN OR AROUND THE HOME.
- DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.
- DO NOT APPLY DURING TEMPERATURE INVERSIONS.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

6.3.4 AERIAL APPLICATIONS
- DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.
- DO NOT USE OR STORE IN OR AROUND THE HOME.
- DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.
- DO NOT APPLY DURING TEMPERATURE INVERSIONS.
- Do not release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For applications prior to the emergence of crops and target weeds, applications are required to use a coarse or coarser droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
• For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
• Do not apply during temperature inversions.

6.3.4 Handheld Technology Applications
• Take precautions to minimize spray drift.

6.4 Drift Reduction Advisory Information

6.4.1 IMPORTANCE OF DROPLET SIZE
• An effective way to reduce spray drift is to apply large droplets.
• Use the largest droplets that provide target weed control.
• While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

6.4.2 CONTROLLING DROPLET SIZE - AIRCRAFT
• Adjust Nozzles - Follow nozzle manufacturer’s recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.
• Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
• Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
• Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

6.4.3 CONTROLLING DROPLET SIZE - GROUND BOOM
• Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage.
• For ground equipment, the boom should remain level with the crop and have minimal bounce.

6.4.4 BOOM HEIGHT - GROUND BOOM
• Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage.
• For ground equipment, the boom should remain level with the crop and have minimal bounce.

6.4.5 RELEASE HEIGHT - AIRCRAFT
• Higher release heights increase the potential for spray drift.
• When applying aerially to crops, do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

6.4.6 SHIELDED SPRAYERS
• Shielding the boom or individual nozzles can reduce spray drift.
• Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

6.4.7 TEMPERATURE AND HUMIDITY
• When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

6.4.8 TEMPERATURE INVERSIONS
• Drift potential is high during a temperature inversion.
• Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind.
• The presence of an inversion can be indicated by ground fog or 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.
• Avoid applications during temperature inversions.

6.4.9 WIND
• Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
• Applications need to be familiar with local wind patterns and terrain that could affect spray drift.

6.4.10 WINDBLOWN SOIL PARTICLES
• Gramoxone SL 3.0 has the potential to move off-site due to wind erosion.
• Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content.
• Other factors which can affect the movement of winblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns.
• Avoid applying Gramoxone SL 3.0 if prevailing local conditions may be expected to result in off-site movement.

6.4.11 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 crop) is minimal (i.e., when wind is blowing away from the sensitive areas).

7.0 WEEDS CONTROLLED OR PARTIALLY CONTROLLED BY GRAMOXONE SL 3.0
Gramoxone SL 3.0 should be applied to emerged weeds when they are small. Weeds 1-6 inches in height are the easiest to control. Larger weeds may be more difficult to control. When weeds have been grazed or mowed, thus removing much of the green foliage, allow the weeds to regrow to a height of 2-4 inches before spraying if possible. Similarly, when forage or grain crops have been harvested prior to spraying, weeds present in the field will also have been cut. To allow for adequate green foliage to remain on weeds in this situation, raise cutter bars as high as possible from the ground to cut stubble and weeds at a greater height.

Difficult weeds can often be controlled by tank mixing Gramoxone SL 3.0 with other herbicides. The addition of herbicides which are photosynthetic inhibitors herbicide (Groups 5, 7) will slow the activity of Gramoxone SL 3.0, allowing Gramoxone SL 3.0 to thoroughly distribute itself within the treated leaf. The resulting level of control is usually greater than if Gramoxone SL 3.0 was applied alone.

When perennial broadleaf weeds such as Canada thistle, bindweed, dandelion, etc. or difficult to control annual broadleaf weeds such as giant ragweed or morningglory are present, tank mixes with 2,4-D ester (Low Volatile), 2,4-DB, dicamba, Boundary®, Acuron®, Acuron® Flexi, Lexar® EZ, Lumax® EZ where labeled, will help improve control. Tank mixing the amine formulation of 2,4-D with Gramoxone SL 3.0 may result in reduced grass control.
## 8.0 CROP USE DIRECTIONS

### 8.1 Alfalfa

#### 8.1.1 PREPLANT, PREEMERGENCE, BROADCAST, OR BANDED OVER-ROW APPLICATIONS TO NO-TILL OR CONVENTIONAL PLANTING

<table>
<thead>
<tr>
<th>Crop (including all cultivars, varieties, and/or hybrids of these)</th>
<th>Alfalfa</th>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0</td>
<td>1.3 – 2.7</td>
<td>Prior to crop emergence</td>
<td>No-till or Conventional Planting</td>
<td>Apply by preplant, preemergence broadcast or banded over-row application in a minimum of 10 gal/A by ground or 5 gal/A by air. Seeding should be done with a minimum amount of soil disturbance.</td>
<td>See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on alfalfa applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precautions:**
- Crop plants emerged at the time of application will be killed.

### 8.1.2 NEW SEEDLINGS GROWN FOR HAY IN CALIFORNIA ONLY

<table>
<thead>
<tr>
<th>Crop (including all cultivars, varieties, and/or hybrids of these)</th>
<th>Alfalfa</th>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Spikeweed (≤4 tall)</td>
<td>0.7 – 1.0</td>
<td>Late winter or early spring</td>
<td>For use in California Only for suppression and control of broadleaf weeds and grasses in new alfalfa grown for hay. Apply by ground in a minimum of 10 gal/A or by air in a minimum of 5 gal/A spray volume. Alfalfa must have 6 trifoliate leaves to use the 0.7 pt/A rate; Alfalfa must have 9 trifoliate leaves to use the 1.3 pt/A. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Volunteer Small Grain (≤6)</td>
<td>1.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fieldbean (≤6)</td>
<td>1.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Shepherd’s-purse</td>
<td>1.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Annual Bluegrass</td>
<td>0.7 – 1.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chickweed</td>
<td>1.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Red Molds (≤6)</td>
<td>1.3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on alfalfa applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precautions:**
- Seedling alfalfa stands will be reduced and replanting may be necessary.
- Alfalfa foliage present at the time of application will be burned.
8.1.3 BETWEEN-CUTTINGS TREATMENT IN ESTABLISHED PLANTING

### Crops (including all cultivars, varieties, and/or hybrids of these)

**Alfalfa**

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer Section 7.0</td>
<td>0.7</td>
<td>Between cuttings treatment in established plantings</td>
<td>For use in established plantings between-cuttings including first year alfalfa in all states East of the Rocky Mountains. Applications made during the growing season may be applied in addition to a dormant application. For first year alfalfa, do not apply more than twice during the first growing season. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on alfalfa applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precautions:**
- Weeds much beyond the seedling stage and the stubble of weeds cut off during harvest will be less affected by this treatment.
- CAUTION: First year alfalfa stands and yields may be reduced if alfalfa is allowed to regrow more than 2”.
- Alfalfa foliage present at time of application will be burned.
- In arid areas where moisture is limited, weed control may be reduced.

### USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 0.7 pt/A
3. REI: 12 hours
4. Minimum Application Interval: Make only one application per cutting interval.
5. Maximum Annual Rate: 2.0 pt/A/year
   a. DO NOT exceed 0.75 lb ai/A/year of paraquat-containing products for between-cuttings treatment in established plantings.
   b. DO NOT exceed 1.0 lb ai/A/year of paraquat-containing products for all combined uses.
6. DO NOT make more than 3 applications per year.
7. DO NOT allow grazing for 30 days after application.
8. Pre-Harvest Interval (PHI): 30 days for cutting or harvesting

8.1.4 DORMANT SEASON APPLICATION

### Crops (including all cultivars, varieties, and/or hybrids of these)

**Alfalfa**

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
</table>
| For control of weeds including: Bluegrass, Cheatgrass, Chickweed, Dogfennel, Downy brome, Henbit, London Rocket, Rescue Brome, Ryegrass, Sowthistle, Tansymustard, Wild Oats, Winter Annuals | 1.3-2.0 | Dormant season on established plantings more than one year old | Established plantings in Region A

Refer to geographical restrictions map in Section 8.1.6

Apply from late fall through early spring before new growth occurs as a broadcast spray in 10 gal/A by ground and a minimum of 5 gal/A by air to well – established stands (at least 1-year old). See Section 4.4.4 for adjuvant recommendations.

**Suppression of: Parental Weeds**

continued...
### 8.1.4 DORMANT SEASON APPLICATION (continued)

Crops (including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Alfalfa</th>
<th>Target Weed</th>
<th>Rate/plA</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>For desiccation of weeds including:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bluegrass</td>
<td></td>
<td>0.7 – 1.3</td>
<td>After last fall cutting and before first spring cutting.</td>
<td>Established plantings in Region B</td>
</tr>
<tr>
<td>Cheatgrass</td>
<td></td>
<td></td>
<td></td>
<td>Refer to geographical restrictions map in Section 8.1.6</td>
</tr>
<tr>
<td>Chickweed</td>
<td></td>
<td></td>
<td></td>
<td>Apply from late fall through early spring before new growth occurs as a broadcast spray in a minimum of 10 gal/A by ground and a minimum of 5 gal/A by air.</td>
</tr>
<tr>
<td>Dogfennel</td>
<td></td>
<td></td>
<td></td>
<td>See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>Downy brome</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Herbil</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>London Rocket</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rescue Brome</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ryegrass</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sowthistle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tansymustard</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wild Oats</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winter Annuals</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suppression of:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perennial Weeds</td>
<td>Region A</td>
<td>0.7 – 1.3</td>
<td>After last fall cutting and before first spring cutting.</td>
<td>Fall seeded or newly established stands (less than 1-year old) in Regions A and B</td>
</tr>
<tr>
<td></td>
<td>Region B</td>
<td>0.5 – 0.8</td>
<td></td>
<td>Refer to geographical restrictions map in Section 8.1.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Apply from late fall through early spring before new growth occurs as a broadcast spray to newly established stands less than 1-year old.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Apply in a minimum of 10 gal/A by ground and a minimum of 5 gal/A by air.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>Tank Mix Options:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Refer to Section 8.1.5 for tank-mix use options.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Resistance Management:

+ Refer to Section 3.1.

### Precautions:

- **Region A**
  - Alfalfa foliage present at the time of application to established plantings in **Region A** will be burned which may reduce the yield of the first cutting.
  - Application to newly established stands of alfalfa that is not dormant or has broken dormancy, may result in stand and/or yield reductions. Green alfalfa foliage present at the time of application will be burned.
  - In newly established stands, total hay yield of first cutting may be reduced in alfalfa fields with severe weed infestation. This reduction will be directly proportionate to the loss of weed weight.

- **Region B**
  - Application to established stands or to newly established stands that are not dormant or has broken dormancy may result in stand and/or yield reductions. Green alfalfa foliage present at the time of application will be burned.
  - In established plantings, total hay yield of first cutting may be reduced in alfalfa fields with severe weed infestation. This reduction will be directly proportionate to the loss of weed weight.

### USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.0 pt/A
3. RE: 12 hours
4. Minimum Application Interval: Not Applicable
5. Maximum Annual Rate: 2.0 pt/A/year
   - a. DO NOT exceed 0.75 lb ai/A/year of paraquat-containing products for dormant applications.
   - b. DO NOT apply in the California counties of Orange, Riverside and all counties north of these counties if spring regrowth is more than 2”. In all other areas within Region B. DO NOT apply if regrowth after grazing or cutting is more than 2”.
6. DO NOT apply in the California counties of Orange, Riverside and all counties north of these counties if spring regrowth is greater than 6”. or if spring regrowth is more than 2”.
7. DO NOT apply in the California counties of Orange, Riverside and all counties north of these counties if spring regrowth after grazing or cutting is more than 2”. In all other areas within Region B. DO NOT apply if regrowth after grazing or cutting is more than 2”.
8. DO NOT make more than one application per year.
9. DO NOT allow grazing in established plantings in **Region A** for 42 days.
10. DO NOT allow grazing in established plantings in **Region B** or to newly established stands in **Regions A and B** for 60 days
11. Pre-Harvest Interval (PHI):
    - a. 42 days for **Region A** established plantings
    - b. 60 days for **Region B** established plantings and newly established stands in **Regions A and B**.
8.1.5 TANK-MIX COMBINATIONS OF DORMANT SEASON APPLICATIONS

<table>
<thead>
<tr>
<th>Application</th>
<th>Tank-Mix Brands</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dormant Season Uses</td>
<td>Methribuzin</td>
<td>Apply as directed above for a solo application (Section 8.1.4) and the Metribuzin labels of tank-mix partner. Tank mix for improved burndown of weed vegetation and residual weed control for established plantings in Region A (at least one year old alfalfa).</td>
</tr>
<tr>
<td>Dormant season established plantings in Region A</td>
<td>Velpar brands (hexazinone)</td>
<td>For control of weeds such as chickweed, downy brome and tansy mustard. Apply as directed by this label and the labels of tank-mix partner. Apply as a broadcast spray at a rate of 0.7 – 1.3 pt/A and in a minimum spray volume of 10 gal/A by ground or a minimum of 5 gal/A by air. Use the 0.7 pt rate of Gramoxone SL 3.0 when weeds and grasses are less than 4&quot; tall.</td>
</tr>
</tbody>
</table>

Precautions:
- Temporary chlorosis may occur on alfalfa regrowth when applying a Velpar® brands (hexazinone) tank mix.
- Stress which may be caused in part by low fertility, disease, insects, winterkill, over cutting, drought or frost may increase the chances of crop injury.

8.1.6 ALFALFA: GEOGRAPHICAL RESTRICTIONS MAP

1. All use restrictions cited in Section 8.1.1-8.11.4 for Gramoxone SL 3.0 solo apply to tank mixes with Gramoxone SL 3.0.
2. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions, 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.
3. **DO NOT** make more than 1 application per year.
4. **DO NOT** make more than 1 application of Velpar brands (hexazinone) tank mix to established stands during the dormant season.
5. **DO NOT** apply Velpar brands (hexazinone) tank mix to alfalfa during the first season after seeding.
6. **DO NOT** apply tank mix with metribuzin on newly established (less than 1-year old) alfalfa.
7. **DO NOT** use on gravelly or rocky soils, exposed subsoils, hardpan, sand or poorly drained alkaline soils as crop injury, including mortality, may result.
8. **DO NOT** cut or harvest within 42 days of application following tank mix with Velpar brands (hexazinone).
9. **DO NOT** cut or harvest within 60 days of application following tank mix with metribuzin-containing products.
8.2 Artichoke, Globe

Crops (Including all cultivars, varieties, and/or hybrids of these)

Artichoke, globe

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0.</td>
<td>1.7 - 2.7</td>
<td>Postemergence (Directed Spray) Apply as needed with a minimum 7 day interval.</td>
<td>Apply as a ground directed spray in a minimum of 25-100 gal/A of spray volume. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank Mix Options
• Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on artichoke applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
• Refer to Section 3.1.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. RED: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 5.3 pt/A/year
   a. DO NOT exceed 2.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 3 applications per year.
7. Pre-Harvest Interval (PHI): 1 day

8.3 Asparagus

Crops (Including all cultivars, varieties, and/or hybrids of these)

Asparagus

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0.</td>
<td>1.7-2.7</td>
<td>Preplant/Preemergence</td>
<td>Apply as a preplant or preemergence broadcast or as a banded over-row application. Apply in a minimum spray volume of 10 gal/A by ground or a minimum of 5 gal/A by air. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>Established Plantings prior to crop re-emergence or after last harvest</td>
<td></td>
<td></td>
<td>Apply preemergence as a broadcast or banded over-row application in a minimum of 10 gal/A of spray volume by ground application. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank Mix Options:
• Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on asparagus applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
• Refer to Section 3.1.

Precations:
• Crop plants emerged at time of application will be killed.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. RED: 12 hours
4. Minimum Application Interval: Not Applicable
5. Maximum Annual Rate: 2.7 pt/A
   a. DO NOT exceed 1.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 1 application per year.
7. Pre-Harvest Interval (PHI): 6 days
8.4 Berries and Small Fruit

8.4.1 BERRIES

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate p/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blackberry</td>
<td>1.3-2.7</td>
<td>Postemergence (Directed Spray)</td>
<td>Apply as a postemergence directed spray in a minimum of 50 gal/A by ground. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>Boysenberry</td>
<td></td>
<td>Before emergence of new canes or shoots</td>
<td></td>
</tr>
<tr>
<td>Blueberry</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Currant</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elderberry</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gooseberry</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Huckleberry</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loganberry</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raspberry (black and red)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tank-Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on berries applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precautions:
- Apply before emergence of new canes or shoots as injury to those canes or shoots can occur.
- Apply as a coarse spray to avoid crop injury from the fine spray mist.

USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 p/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 2.7 p/A
   a. DO NOT exceed 1.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 2 applications per year.
7. Pre-Harvest Interval (PHI): Harvest crop at normal harvest maturity.

8.4.2 KIWIFRUIT

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate p/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kiwifruit</td>
<td>1.7 – 2.7</td>
<td>Postemergence (Directed Spray)</td>
<td>Apply only as a postemergence directed spray in a minimum of 10 gal/A spray volume. When used for control of mature woody weeds, perennial weeds, late germinating weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank-Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on kiwifruit applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precautions:
- Do not allow spray to contact green stems (except suckers) or foliage.
- Use a shield or wrap plant when spraying around young trees or vines.

USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 p/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 5.3 p/A
   a. DO NOT exceed 2.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 3 applications per year.
7. DO NOT graze treated areas.
8. DO NOT feed cover crops grown in treated areas to livestock.
9. Pre-Harvest Interval (PHI): 14 days
### 8.4.3 Strawberries

#### Crops (including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0</td>
<td>1.3</td>
<td>Postemergence (Directed Spray) Apply when weeds are succulent and growth is from 1-6”</td>
<td>Apply as a postemergence directed spray in a minimum of 20 gal/A by ground. Apply by directing spray between the rows and using shields to prevent spray contact with the crop. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on strawberries applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**USE RESTRICTIONS**
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 3.9 pt/A
   a. DO NOT exceed 1.5 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 3 applications per year.
7. DO NOT allow spray to contact strawberry plants as injury or excessive residues may result.
8. DO NOT graze livestock in treated areas
9. Pre-Harvest Interval (PHI): 21 days

### 8.5 Cacao

#### Crops (including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0</td>
<td>1.3-2.7</td>
<td>Apply when weeds are succulent and growth is from 1-6”</td>
<td>Apply as a directed spray in a range of 50-200 gal. Use a shield for young trees. When used for control of mature woody weeds, perennial weeds, late germinating weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on cacao applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precautions:**
- Avoid allowing spray to contact cacao plants as injury may result.

**USE RESTRICTIONS**
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 5.3 pt/A
   a. DO NOT exceed 2.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 5 applications per year.
7. DO NOT graze treated areas or feed treated cover crops to livestock.
8. Pre-Harvest Interval (PHI): 1 day
8.6 Cassava and Yam

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0</td>
<td>1.3</td>
<td>Postemergence (Directed Spray)</td>
<td>For use in Puerto Rico ONLY. Apply as a shielded post directed spray in a minimum of 50 gal/A spray volume. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on cassava and yam applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precaution:
- Do not allow spray to contact cassava or yam plants as injury may result.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate:
   a. Cassava: 4.0 pt/A
   b. Yam: 2.7 pt/A
6. DO NOT make more than 3 shielded post applications per year on cassavas.
7. DO NOT make more than 2 directed spray applications per year on yams.
8. DO NOT graze treated areas or feed treated forage to livestock.
9. Pre-Harvest Interval (PHI): 90 days

8.7 Cereal Grains

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
</table>
| Refer to Section 7.0 | 1.7 – 2.7 | Preplant/Preemergence | Apply as a preplant of preemergence in a minimum spray volume of 10 gal/A by ground or in a minimum of 5 gal/A by air. When weed vegetation is dense, increase spray volume to ensure coverage of the target weeds. The rate range of Gramoxone SL 3.0 based on weed height is as follows:
   - Weeds 1.5": 1.7 – 2.0 pt/A
   - Weeds 3.0": 2.0 – 2.7 pt/A
   - See Section 4.4.4 for adjuvant recommendations. |

Tank Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on barley and wheat applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8.0 pt/A
   a. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products in pre-emergence applications.
6. DO NOT make more than 3 applications per year.
7. Pre-Harvest Interval (PHI): Forage, hay, grain, straw may be harvested at normal crop maturity.
### 8.8 Citrus Fruit

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Fruit Type</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calamondin</td>
<td>1.7 – 2.7</td>
<td>Postemergence</td>
<td>Apply as a postemergence directed spray with a minimum ground application of 10 gal/A spray volume. If application is to be made during harvest season, pick all fruit off the ground prior to application. When used for control of mature woody weeds, perennial weeds, late germinating weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>Citrus Citron</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grapefruit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kumquat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lemon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lime</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mandarin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orange (sour &amp; sweet)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pummelo</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Satsuma mandarin</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Tank Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on citrus fruit applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

### Resistance Management:
- Refer to Section 3.1.

### Precautions:
- Do not allow spray to contact green stems (except suckers), or foliage.
- Use a shield or wrap plant when spraying around young trees or vines.

### USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 13.3 pt/A
   a. DO NOT exceed 5.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 5 applications per year.
7. DO NOT graze treated areas.
8. DO NOT feed cover crops grown in treated areas to livestock.

### 8.9 Coffee

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Fruit Type</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coffee</td>
<td>1.7 – 2.7</td>
<td>Postemergence</td>
<td>Apply as a postemergence directed spray with a minimum ground application of 10 gal/A spray volume. When used for control of mature woody weeds, perennial weeds, late germinating weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

### Tank Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on coffee applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

### Resistance Management:
- Refer to Section 3.1.

### Precautions:
- Do not allow spray to contact green stems (except suckers), or foliage.
- Use a shield or wrap plant when spraying around young trees or vines.

### USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 13.3 pt/A
   a. DO NOT exceed 5.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 5 applications per year.
7. DO NOT graze treated areas.
8. DO NOT feed cover crops grown in treated areas to livestock.
8.10 Corn

8.10.1 PREPLANT OR PREEMERGENCE APPLICATION

<table>
<thead>
<tr>
<th>Crops (Including all cultivars, varieties, and/or hybrids of these)</th>
<th>Field Corn</th>
<th>Seed Corn</th>
<th>Sweet Corn</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target Weed</td>
<td>Rate pt/A</td>
<td>Application Timing</td>
<td>Use Directions</td>
</tr>
<tr>
<td>Refer to Section 7.0.</td>
<td>1.3 – 2.7</td>
<td>Preplant/Preemergence Prior to, during or after planting, but before crop emergence.</td>
<td>Apply as a preplant or preemergence application. The preemergence application can be a broadcast or banded over-row application. The rate range of Gramoxone SL 3.0 based on weed height is as follows: Weeds 1&quot;-3&quot;: 1.3 – 2.0 pt/A Weeds 3&quot;-6&quot;: 2.0 – 2.7 pt/A Apply in a minimum spray volume of 10 gal/A by ground or a minimum of 5 gal/A by air. When weed vegetation is dense, increase spray volume to ensure coverage of the target weeds. Seeding should be done with a minimum amount of soil disturbance. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on corn applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precautions:
- Weeds and grasses emerging after application will not be controlled.
- Crop plants emerged at time of application may be severely damaged or killed.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8.0 pt/A
   a. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products for preplant/preemergence uses.
   b. DO NOT exceed 5.0 lb ai/A/year of paraquat-containing products for all combined uses.
6. DO NOT make more than 3 preplant/preemergence applications per year.
7. Pre-Harvest Interval (PHI): Harvest forage, ears, grain, and stover at normal maturity.

8.10.2 POSTEMERGENCE DIRECTED SPRAY

<table>
<thead>
<tr>
<th>Crops (Including all cultivars, varieties, and/or hybrids of these)</th>
<th>Field Corn</th>
<th>Seed Corn</th>
<th>Sweet Corn</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target Weed</td>
<td>Rate pt/A</td>
<td>Application Timing</td>
<td>Use Directions</td>
</tr>
<tr>
<td>Refer to Section 7.0.</td>
<td>0.7 – 1.3</td>
<td>Postemergence (Directed Spray) With hooded or shielded sprayers</td>
<td>Apply as a post-directed spray (including hooded or shielded) when weeds are actively growing. Use higher specified rates on larger or harder to control weeds. Weeds 6&quot; or taller may not be controlled. Apply in a minimum of 10 gal/A by ground application. When using hooded or shielded sprayers, apply by directing spray between the rows and using hooded or shielded sprayers to prevent spray contact with crop plants. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Without Hooded or Shielded Sprayers: When corn is at least 10&quot; tall.</td>
<td>When using directed spray without hooded or shielded sprayers, apply with nozzles arranged to spray no higher than the lower 3&quot; of corn stalks. For corn greater than 20&quot; tall, arrange the nozzles to spray no higher than the lower 1/3 of the corn stalks. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td></td>
<td>1.3</td>
<td>Late June or early July Repeat in early August if regrowth occurs.</td>
<td>USDA Witchweed Eradication Program For field corn ONLY: Follow the same instructions presented above for postemergence directed-spray application. Apply by ground in 10 gal/A of spray volume. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

continued…
8.10.2 POSTEMERGENCE DIRECTED SPRAY (continued)

Tank Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on corn applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precautions:
- Severe damage and/or complete kill can occur if spray contacts corn plants.
- To avoid excessive crop phytotoxicity, use a hooded or shielded sprayer with skids or wheels on the spray boom to maintain spray height.
- When using a directed spray without hooded or shielded sprayers, corn plants shorter than 10” may be injured and not recover (corn height measured from soil surface to top of whorl). For corn greater than 20” tall, foliage sprayed will be injured, but the crop will recover and develop normally.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 4.0 pt/A
   a. DO NOT exceed 1.5 lb ai/A/year of paraquat-containing products for postemergence uses.
   b. DO NOT exceed 5.0 lb ai/A/year of paraquat-containing products for all combined uses.
6. DO NOT make more than 3 postemergence applications per year.
7. Pre-Harvest Interval (PHI): Harvest at normal crop maturity.

8.10.3 HARVEST AID BROADCAST

Crops (including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Field Corn</th>
<th>Seed Corn</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Target Weed</strong></td>
<td><strong>Rate pt/A</strong></td>
</tr>
<tr>
<td>Refer to Section 7.0.</td>
<td>0.8 – 1.3</td>
</tr>
</tbody>
</table>

Tank-Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on corn applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precautions:
- Drought stressed plants, especially broadleaf weeds can be difficult to kill and desiccation may not be complete.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: Not Applicable
4. Minimum Application Interval: Not Applicable
5. Maximum Annual Rate: 1.3 pt/A/year
   a. DO NOT exceed 0.5 lb ai/A/year of paraquat-containing products for harvest aid uses.
   b. DO NOT exceed 5.0 lb ai/A/year of paraquat-containing products for all combined uses.
6. DO NOT make more than 1 harvest aid application per year.
7. Pre-Harvest Interval (PHI): 7 days for grain and stover.
8.11 Cotton

8.11.1 PREPLANT AND PREEMERGENCE APPLICATIONS

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.7 – 2.7</td>
<td>Preplant/Preemergence Prior to, during or after planting, but before crop emergence.</td>
<td>Apply as a preplant or preemergence application in a minimum of 10 gal/A of spray volume by ground or a minimum of 5 gal/A spray volume by air. Use higher specified rate on dense populations and/or larger or hard to control weeds. Weeds 6” or taller may not be controlled. For fallow bed treatment, preform beds to permit maximum weed and grass emergence prior to treatment. Seeding should be done with a minimum of soil disturbance. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>Volunteer barley</td>
<td>0.3 – 0.7</td>
<td>Preplant</td>
<td>For use in California Only: Apply as a preplant application for control of volunteer barley in preformed seedbeds. Apply in a minimum of 10 gal/A of spray volume by ground or a minimum of 5 gal/A spray volume by air. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank Mix Options:
- Refer to Section 8.11.4 for tank mix options.
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on cotton applied by the same methods and the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REL: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8.0 pt/A/year
   a. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products for preplant preemergence uses.
   b. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products for all combined uses.
6. DO NOT make more than 3 preplant/preemergence applications per year.
7. Pre-Harvest Interval (PHI): Harvest at normal crop maturity.

8.11.2 POSTEMERGENCE DIRECTED SPRAY APPLICATION

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.8 – 1.3</td>
<td>Postemergence (Directed Spray)</td>
<td>Apply as a post-directed spray (hooded or shielded), directing the spray between the rows to prevent contact with crop plants. Keep hoods or shields adjusted to insure adequate contact with weeds while shielding the crop from the herbicide. Apply in a minimum of 10 gal/A of spray volume by ground application only when weeds are actively growing and between 1-6” in height. Use higher specified rate on dense populations and/or larger or hard to control weeds. Weeds 6” or taller may not be controlled. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>Precision Machine Vision Directed Spray:</td>
<td>Postemergence (Directed Spray)</td>
<td>Apply when weeds are actively growing and before weeds reach 4” in height.</td>
<td>Ensure targeted weeds receive through spray coverage. Precision application equipment with automated detection (Machine Vision) of weed must be used to minimize contact with cotton. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank Mix Options:
- Refer to Section 8.11.4 for tank mix options.
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on cotton applied by the same methods and the same timings. Refer to Section 4.4.2 for tank-mix precautions.

continued...
Resistance Management:
• Refer to Section 3.1.

Precautions:
• Avoid contact with the crop when applying by postemergence directed-spray. Intentional or accidental contact (including drift) of Gramoxone SL 3.0 with the crop may result in severe damage or loss of the crop.
• Keep equipment in good operating condition to avoid leakage or dripping onto crop. Variation in equipment design may affect level of weed control.
• To minimize drift, do not use nozzles or nozzle configurations or adjuvants which produce fine spray droplets (mist).
• When tank mixing with Cotoran DF or Meturon DF, follow mixing instructions in Section 4.4.3 carefully and maintain constant agitation.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 14 days
5. Maximum Annual Rate: 4.0 pt/acre
   a. DO NOT exceed 1.5 lb ai/acre of paraquat-containing products for postemergence uses.
   b. DO NOT exceed 3.0 lb ai/acre of paraquat-containing products for all combined uses.
6. DO NOT make more than 3 postemergence applications per year.
7. Pre-Harvest Interval (PHI): Harvest crop at normal maturity.

8.11.3 HARVEST AID AND POST HARVEST APPLICATIONS

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Cotton</th>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cotton defoliation and boll opening</td>
<td>0.12 – 0.5</td>
<td>When 75% or more of bolls are open and remaining bolls to be harvested are mature.</td>
<td>Stripper or Spindle Harvested</td>
<td>Use as a harvest aid for defoliation and boll opening. Apply as a broadcast spray in a minimum of 10 gal/A spray volume for ground application or a minimum of 5 gal/A spray volume for air application. May be applied as a split application. Development of immature bolls will be inhibited. Slice bolls and inspect the seed for maturity. After a defoliation or conditioning application has been made, delay desiccation application of Gramoxone SL 3.0 approximately 3-7 days to minimize leaf sticking. Lower rates in the range may be necessary south of I-10 in Texas where temperatures are typically higher during defoliation. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td></td>
<td>0.3 – 0.7</td>
<td>When 75% of bolls are open and remaining bolls to be harvested are mature (approximately 3 or fewer NACB).</td>
<td>Western Cotton</td>
<td>Use for boll opening and mid-to-late defoliation. Apply as a broadcast spray in a minimum of 10 gal/A spray volume for ground application or a minimum of 5 gal/A spray volume for air application. In desert cotton areas or on rank vigorous cotton, use the 16 fl oz rate. Development of immature bolls will be inhibited. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td></td>
<td>0.7 – 1.3</td>
<td>When 85% of bolls are open and remaining bolls to be harvested are mature (approximately 0-NAACB).</td>
<td>Late Season Desiccation</td>
<td>Use as a late season desiccation. Apply as a broadcast spray in a minimum of 10 gal/A spray volume for ground application or a minimum of 5 gal/A spray volume for air application. Lower rates in the range may be necessary south of I-10 in Texas where temperatures are typically higher during defoliation. Development of immature bolls will be inhibited. Slice bolls and inspect the seed for maturity. After a defoliation or conditioning application has been made, delay desiccation application of Gramoxone SL 3.0 approximately 3-7 days to minimize leaf sticking. Lower rates in the range may be necessary south of I-10 in Texas where temperatures are typically higher during defoliation. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>
### Crops (Including all cultivars, varieties, and/or hybrids of these)

**Cotton**

<table>
<thead>
<tr>
<th>Weed</th>
<th>Rate</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suppression of regrowth</td>
<td>0.7 – 1.3 Post-harvest</td>
<td>Apply as a broadcast spray in a minimum of 10 gal/A spray volume for ground application or a minimum of 5 gal/A spray volume for air application. Regrowth is difficult to control, therefore, thorough coverage with the full rate is necessary. Control is dependent on growing conditions and desiccation of small new regrowth may not always be complete. Use higher specified rate if regrowth is excessive. See Section 4.4.4 for adjuvant recommendations.</td>
<td></td>
</tr>
</tbody>
</table>

- **Southern Cotton Post Defoliation**
  - When 75% or more of the bolls are open and the remaining bolls to be harvested are mature.
  - Use to aid in opening of mature bolls and to desiccate green weeds.
  - Apply as a broadcast spray using 0.3 pt/A of Gramoxone SL 3.0 and the recommended rate for the tank-mix partner.
  - Apply when 80% or more of the bolls are open and the remaining bolls to be harvested are mature. Use the recommended rate of the tank-mix partner.

#### Tank Mix Options:
- Refer to Section 6.11.4 for tank-mix options.

#### Resistance Management:
- Refer to Section 3.1.

#### Precautions:
- When applying to Stripper or Spindle cotton or for late season cotton desiccation, it is advisable, because of extremes in environmental and plant conditions, to apply the range of rates on a small block of cotton to determine the rate that best fits your needs.
- **NOTE**: Nodes above cracked bolls (NACB) timing is for guidance and is not intended to restrict the local expert in their use of the product.

#### USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 1.3 pt/A/year
   - a. DO NOT exceed 0.50 lb ai/A/year of paraquat-containing products for harvest aid uses.
   - b. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products for all combined uses.
6. DO NOT make more than 4 harvest aid applications per year.
7. DO NOT pasture livestock in treated fields or feed treated foliage.
8. Pre-Harvest Interval (PHI):
   - a. western cotton: 7 days
   - b. all others: 3 days

#### 8.11.4 TANK-MIX COMBINATIONS FOR HARVEST AID APPLICATIONS

<table>
<thead>
<tr>
<th>Application</th>
<th>Tank-Mix Brands</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>All harvest aid uses</td>
<td>Warmon® insecticide and/or Methyl parathion</td>
<td>May be tank mixed with other cotton harvest aid materials known to be effective by the local expert.</td>
</tr>
<tr>
<td>Southern Cotton boll opening and defolation</td>
<td>Aim</td>
<td>Apply as directed by this label and the labels of tank-mix partner.</td>
</tr>
<tr>
<td></td>
<td>Sharpen</td>
<td>Apply as a broadcast spray using 0.3 pt/A of Gramoxone SL 3.0 and the recommended rate for the tank-mix partner.</td>
</tr>
<tr>
<td></td>
<td>Sodium Chlorate</td>
<td>Apply when 80% or more of the bolls are open and the remaining bolls to be harvested are mature. Use the recommended rate of the tank-mix partner.</td>
</tr>
<tr>
<td></td>
<td>DEPP® Defoliant</td>
<td>Apply as directed by this label and the labels of tank-mix partner.</td>
</tr>
<tr>
<td></td>
<td>Ethephon® Plant Growth Regulator</td>
<td>Apply as a broadcast spray using 0.13 – 0.21 pt/A of Gramoxone SL 3.0 when 60% or more of the bolls are open and the remaining bolls to be harvested are mature. Use the recommended rate of the tank-mix partner.</td>
</tr>
<tr>
<td></td>
<td>Folex® Defoliant Prep® PGR</td>
<td>Apply as directed by this label and the labels of tank-mix partner.</td>
</tr>
<tr>
<td>Western Cotton boll opening and early defoliation</td>
<td>Sharpn</td>
<td>Apply as directed by this label and the labels of tank-mix partner.</td>
</tr>
<tr>
<td></td>
<td>Sodium chloride</td>
<td>Early defoliation timing is when 60% or more of the bolls are open and the remaining bolls to be harvested are mature (approximately 4-NACB). Apply as a broadcast spray using 0.23 – 0.33 pt/A of Gramoxone SL 3.0 and the recommended rate of the tank-mix partner.</td>
</tr>
<tr>
<td></td>
<td>and/or other compatible harvest aid products</td>
<td>Use the higher rate on rank cotton. Do not use more than 0.33 pt/A of Gramoxone SL 3.0 for early defoliation as excessive desiccation may occur.</td>
</tr>
</tbody>
</table>

continued...
8.11.4 TANK-MIX COMBINATIONS FOR HARVEST AID APPLICATIONS (continued)

<table>
<thead>
<tr>
<th>Application</th>
<th>Tank-Mix Brands</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western Cotton</td>
<td>Sharpen</td>
<td>Apply as directed by this label and the labels of tank-mix partner.</td>
</tr>
<tr>
<td>boll opening and mid-to-late</td>
<td>Sodium chlorate and/or other</td>
<td></td>
</tr>
<tr>
<td>defoliation</td>
<td>compatible harvest aid products</td>
<td></td>
</tr>
<tr>
<td>Stripper or Spindle</td>
<td>Aim® Defoliant</td>
<td>Apply as directed by this label and the labels of tank-mix partner.</td>
</tr>
<tr>
<td>Harvested Cotton defoliation and</td>
<td>Ethephon® Plant</td>
<td></td>
</tr>
<tr>
<td>boll opening</td>
<td>Prep™ PGR</td>
<td></td>
</tr>
<tr>
<td>Late season desiccation</td>
<td>Folex® Defoliant</td>
<td>Apply as directed by this label and the labels of tank-mix partner.</td>
</tr>
<tr>
<td></td>
<td>Growth Regulator</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sharpen</td>
<td></td>
</tr>
</tbody>
</table>

Precautions:
- Development of immature bolls will be inhibited.
- Nodes above cracked bolls (NACB) timing is for guidance and is not intended to restrict the local expert in their use of the product.

TANK-MIX USE RESTRICTIONS
1. All use restrictions cited in Section 8.11.1 – 8.11.3 for Gramoxone SL 3.0 solo apply to tank mixes with Gramoxone SL 3.0.
2. Do not tank-mix Sharpen with Gramoxone for cotton desiccation in California.
3. It is the pesticide user’s responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions, 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.
4. Pre-Harvest Interval (PHI): When tank-mixed with Aim or Sodium chlorate the PHI is 7 days, 5 days for Sharpen.

8.12 Cover Crop Burndown

<table>
<thead>
<tr>
<th>Crops (Including all cultivars, varieties, and/or hybrids of these)</th>
<th>Any crops approved on this label that allow preplant burndown applications</th>
</tr>
</thead>
</table>

**Target Weed**

<table>
<thead>
<tr>
<th>Rate</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.3 – 2.7</td>
<td>Preplant burndown of cover crop prior to planting subsequent crop</td>
<td>Apply by preplant broadcast in a minimum of 15 gal/A by ground or 5 gal/A by air. For control of grass cover crops (especially wheat) or volunteer cereals, best results are obtained when Gramoxone SL 3.0 is applied prior to tillering or after boot stage. For broadleaf cover crops, the addition of 2,4-D or dicamba will improve burndown. Do not expect complete control of perennial cover crops. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides for burndown of cover crops if labeled for use on the subsequent crop applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions and succeeding crop use directions.
2. REI: 24 hours
3. DO NOT graze treated areas.
4. DO NOT feed cover crops grown in treated areas to livestock.
8.13 Cucurbit Vegetables, Crop Group 9

Crops (Including all cultivars, varieties, and/or hybrids of these)

- Chayote (fruit)
- Chinese Waxgourd (Chinese Preserving Melon)
- Citron Melon
- Cucumber
- Gherkin
- Gourd, Edible
- Hyotan
- Cucuzza
- Hechima
- Chinese okra
- Momordica spp.
- Balsam Apple
- Balsam Pear
- Bitter Melon
- Chinese Cucumber
- Muskmelon
- True Cantaloupe
- Cantaloupe
- Casaba
- Crenshaw Melon
- Golden
- Pershaw Melon
- Muskmelon (cont.)
- Honeydew Melon
- Honey Balls
- Mango Melon
- Persian melon
- Pineapple Melon
- Santa Claus Melon
- Snake Melon
- Pumpkin
- Squash, Summer
- Crookneck Squash
- Scallop Squash
- Squash, Summer (cont.)
- Straightneck Squash
- Vegetable Marrow
- Zucchini
- Squash, Winter
- Butternut Squash
- Calabaza
- Hubbard Squash
- Acorn Squash
- Spaghetti squash
- Watermelon

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0.</td>
<td>1.3 – 2.7</td>
<td>Preplant/Preemergence</td>
<td>Apply on seeded or transplanted cucurbits by ground application in a minimum of 10 gal/A, or minimum air application of 5 gal/A. Apply as a banded or broadcast treatment. Use the higher rate for heavier weed infestations. Seeding or transplanting should be done with minimum amount of soil disturbance. Can be used in fallow bed/stale seedbed for weed control. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>Volunteer barley</td>
<td>0.5 – 0.7</td>
<td>Preemergence</td>
<td>For use on melons in California, Washington, Oregon, &amp; Idaho Only for control of volunteer barley in preformed seedbeds. Apply as a broadcast ground application in a minimum of 10 gal/A or a minimum air application of 5 gal/A spray volume. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on cucurbit vegetables applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precaution:
- Crop plants emerged at time of application will be killed.

USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 14 days
5. Maximum Annual Rate: 6.6 pt/A
   a. DO NOT exceed 2.5 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 3 applications per year.
7. Pre-Harvest Interval (PHI): Harvest crop at normal harvest maturity.
### 8.14 Fallow and Chemical Fallow Applications

**Crops (Including all cultivars, varieties, and/or hybrids of these)**

<table>
<thead>
<tr>
<th>Fallow Land, Chemical Fallow</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Target Weed</strong></td>
</tr>
<tr>
<td>Use for the control of winter and summer annual weeds and suppression of perennial weeds or sedges.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on fallow land applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**USE RESTRICTIONS**

1. Refer to Section 6.1 for additional product use restrictions.
2. **Maximum Single Application Rate:** 2.7 pt/A
3. **REL:** 12 hours
4. **Minimum Application Interval:** 7 days
5. **Maximum Annual Rate:** 5.4 pt/A
6. **DO NOT** make more than 2 applications per year.
7. **DO NOT** harvest, forage, hay, or graze livestock.
8. **Pre-Harvest Interval (PHI):** Not Applicable

### 8.15 Fruiting Vegetables

#### 8.15.1 PREPLANT AND PREEMERGENCE, CROP GROUP 8, EXCEPT TOMATO

**Crops (Including all cultivars, varieties, and/or hybrids of these)**

<table>
<thead>
<tr>
<th>Eggplant</th>
<th>Groundcherry</th>
<th>Pepino</th>
<th>Tomatillo</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Target Weed</strong></td>
<td><strong>Rate pt/A</strong></td>
<td><strong>Application Timing</strong></td>
<td><strong>Use Directions</strong></td>
</tr>
<tr>
<td>Refer to Section 7.0</td>
<td><strong>1.3 – 2.7</strong></td>
<td><strong>Preplant/Preemergence Before during or after planting but prior to crop emergence.</strong></td>
<td>Applications can be made as a banded or broadcast treatment. Apply by ground in a minimum of 10 gal/A or by air in 5 gal/A spray volume. Use the higher rate for heavier weed infestations. Seeding or transplanting should be done with a minimum amount of soil disturbance. Can be used in fallow bed/stale seeded bed for weed control alone or in tank mix. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on Fruiting Vegetables seeded or transplanted, Crop Group 8 applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precaution:**
- Crop plants emerged at time of application will be killed.

**USE RESTRICTIONS**

1. Refer to Section 6.1 for additional product use restrictions.
2. **Maximum Single Application Rate:** 2.7 pt/A
3. **REL:** 24 hours
4. **Minimum Application Interval:** 14 days
5. **Maximum Annual Rate:** 8.0 pt/A
6. **DO NOT** exceed 3.0 lb ai/A/year of paraquat-containing products for preplant/preemergence uses.
7. **DO NOT** exceed 4.5 lb ai/A/year of paraquat-containing products for all combined uses.
8. **DO NOT** make more than 3 applications per year.
9. **DO NOT** allow animals to graze in treated areas.
10. **Pre-Harvest Interval (PHI):** Harvest crop at normal maturity.
### 8.15.2 POST DIRECTED APPLICATION

**Crops (Including all cultivars, varieties, and/or hybrids of these)**

<table>
<thead>
<tr>
<th>Crop</th>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eggplant Peppers</td>
<td>Refer to Section 7.0</td>
<td>1.3</td>
<td>Postemergence (Directed Spray)</td>
<td>Use for control or suppression of emerged weeds between rows after crop establishment. Apply as a ground directed spray in a minimum of 10 gal/A of spray volume. Apply when weeds are succulent and weed growth is less than 6”. Use precision directed spray application equipment adjusted to prevent spray contact with crop plants. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on eggplants, peppers, and tomatoes applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precaution:**
- Do not allow spray to contact crop foliage or treat under conditions which will cause spray drift.

### USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 14 days
5. Maximum Annual Rate: 4.0 pt/A
   a. DO NOT exceed 1.5 lb ai/A/year of paraquat-containing products for postemergence uses.
   b. DO NOT exceed 4.5 lb ai/A/year of paraquat-containing products for all combined uses.
6. DO NOT make more than 3 applications per year.
7. DO NOT allow animals to graze in treated areas.
8. Pre-Harvest Interval (PHI): Harvest crop at normal maturity.

### 8.15.3 OKRA

**Crops (Including all cultivars, varieties, and/or hybrids of these)**

<table>
<thead>
<tr>
<th>Crop</th>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Okra</td>
<td>Refer to Section 7.0</td>
<td>1.3</td>
<td>Postemergence (Directed Spray)</td>
<td>Apply by ground application in a minimum of 20 gal/A spray volume. Make the preemergence application as a broadcast spray and the postemergence application as a directed spray. Preemergence applications must be made before crop emergence. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on okra applied by the same methods at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precaution:**
- Do not allow spray to contact okra plants.

### USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: preemergence 2.7 pt/A; postemergence 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 14 days
5. Maximum Annual Rate: 5.3 pt/A
   a. DO NOT exceed 2.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 1 pre-emergence and/or 2 post-emergence applications per year.
7. Pre-Harvest Interval (PHI): 21 days
### 8.15.4 TOMATOES

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0.</td>
<td>1.3 – 2.7</td>
<td>Preplant/Preemergence Before during or after planting but prior to crop emergence.</td>
<td>Applications can be made as a banded or broadcast treatment. Apply by ground in a minimum of 10 gal/A or by air in 5 gal/A spray volume. Use the higher rate for heavier weed infestations. Seeding or transplanting should be done with a minimum amount of soil disturbance. Can be used in fellow bed/stale seedbed for weed control alone or in tank mix. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>Volunteer barley</td>
<td>0.5 – 0.7</td>
<td>Preemergence</td>
<td>For use in California, Washington, Oregon, &amp; Idaho ONLY for control of volunteer barley in preformed seedbeds. Apply as a broadcast ground application in a minimum of 10 gal/A or a minimum air application of 5 gal/A spray volume. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>1.3</td>
<td>Postemergence (Directed Spray)</td>
<td>Use for control or suppression of emerged weeds between rows after crop establishment. Apply as a ground directed spray in a minimum of 10 gal/A spray volume. Apply when weeds are succulent and weed growth is less than 6”. Use precision directed spray application equipment adjusted to prevent spray contact with crop plants. See Section 4.4.4 for adjuvant recommendations.</td>
<td></td>
</tr>
<tr>
<td>1.6 – 2.5</td>
<td>After Final Harvest</td>
<td>For use as a herbicide burndown/vine desiccant after tomato harvest. Thorough coverage of the tomato vines is required to ensure maximum burndown. Apply as a ground application in a minimum of 40 gal/A spray volume. <strong>Removal of Sweet Potato Whitefly:</strong> To facilitate removal of the sweet potato whitefly, burn tomato vines with propane burners as soon as possible after the vines have dried down sufficiently. See Section 4.4.4 for adjuvant recommendations.</td>
<td></td>
</tr>
</tbody>
</table>

**Tank Mix Options**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on tomatoes applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**USE RESTRICTIONS**
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8.0 pt/A/year
6. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products for preplant/preemergence applications.
   a. DO NOT exceed 1.5 lb ai/A/year of paraquat-containing products for post directed applications.
   b. DO NOT exceed 1.875 lb ai/A/year of paraquat-containing products for post-harvest uses.
   c. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products for all combined uses
7. DO NOT make more than 3 preemergence/preplant applications per year.
8. DO NOT make more than 3 directed postemergence applications per year.
9. DO NOT make more than 2 post-harvest vine desiccation applications per year.
10. Pre-Harvest Interval (PHI): 30 days
### 8.16 Ginger

**Crops (Including all cultivars, varieties, and/or hybrids of these)**

<table>
<thead>
<tr>
<th>Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.3 – 2.7</td>
<td>Preplant/Preemergence</td>
<td>Apply as a preemergence broadcast application or as a postemergence directed spray in a minimum of 20 gal/A of spray volume. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Before, during, or after planting but prior to crop emergence Postemergence (Directed Spray)</td>
<td></td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on ginger applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precaution:**
- Do not allow spray to contact ginger plants.

**USE RESTRICTIONS**
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 30 days
5. Maximum Annual Rate: 16.0 pt/A
   a. DO NOT exceed 6.0 lb ai/A/year of paraquat-containing products.
6. DO NOT allow spray to contact ginger plants.
7. DO NOT make more than 6 applications per year.
8. Pre-Harvest Interval (PHI):
   a. immature ginger roots: 14 days
   b. mature ginger roots: 75 days

### 8.17 Grapes

**Crops (Including all cultivars, varieties, and/or hybrids of these)**

<table>
<thead>
<tr>
<th>Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.7 – 2.7</td>
<td>Postemergence (Directed Spray) Apply when sucker growth is no more than 8” long</td>
<td>Apply as a postemergence directed spray in a minimum of 10 gal/A of spray volume. Use a shield or wrap plant when spraying around young trees or vines. When used for control of mature woody weeds, perennial weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on grapes applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precaution:**
- Avoid contact with desirable foliage.

**USE RESTRICTIONS**
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 13.3 pt/A
   a. DO NOT exceed 5.0 lb ai/A/year of paraquat-containing products.
6. DO NOT apply more than 5 applications a year.
7. DO NOT allow spray to contact green stems (except suckers), fruit or foliage.
8. DO NOT graze treated areas.
9. DO NOT feed cover crops grown in treated areas to livestock.
### 8.18 Grasses Grown for Seed

**Crops (Including all cultivars, varieties, and/or hybrids of these)**

<table>
<thead>
<tr>
<th>Grasses, seed</th>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1.3 – 2.7</td>
<td>Preplant/Preemergence Before, during, or after planting but prior to crop emergence Repeat applications may be made prior to grass emergence.</td>
<td>Use Gramoxone SL 3.0 for burndown after seedbed preparation. Prepare the seedbeds and allow weeds to germinate. Apply by ground application in a minimum of 10 gal/A spray volume when weeds are at the 3-5 leaf state. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on grasses grown for seed applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**USE RESTRICTIONS**
1. Refer to Section 6.1 for additional product use restrictions.
2. **Maximum Single Application Rate:** 2.7 pt/A
3. **REI:** 24 hours
4. **Minimum Application Interval:** 14 days
5. **Maximum Annual Rate:** 5.4 pt/A
   a. **DO NOT** exceed 2.0 lb ai/A/year of paraquat-containing products.
6. **DO NOT** apply more than 3 applications a year.
7. **DO NOT** graze treated areas or use the seed or straw from treated areas for animal feed or bedding.
8. **Pre-Harvest Interval (PHI):** Not Applicable

### 8.19 Hops

**Crops (Including all cultivars, varieties, and/or hybrids of these)**

<table>
<thead>
<tr>
<th>Hops</th>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
</table>
|      |             | 1.3       | Postemergence (Directed Spray) and/or Suckering and Stripping | For use in Idaho, Oregon, & Washington only
   For Idaho and Washington only
   Apply as a directed spray and/or as a suckering and stripping agent with a minimum ground application of 10 gal/A spray volume. Retreatment or spot treatment may be necessary.
   For suckering and stripping, spray only the basal 2 ft of the vines
   Chemical Pruning: To burn back existing vines and obtain even emergence of subsequent vines, spray when vines are less than 3 ft tall.
   See Section 4.4.4 for adjuvant recommendations. |

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on hops applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precautions:**
- Application to hop vines less than 6 ft tall may cause unacceptable injury.
- Avoid allowing spray to contact green stems, foliage, flowers, or cones as injury may result.
- Experience with varieties other than Cascade, Yakima Cluster, and Bullion is limited. If using Gramoxone SL 3.0 on other varieties than these, test the use pattern on a small number of vines of each variety to determine sensitivity to injury. Do not use on unlisted varieties if unacceptable crop injury occurs.

**USE RESTRICTIONS**
1. Refer to Section 6.1 for additional product use restrictions.
2. **Maximum Single Application Rate:** 1.3 pt/A
3. **REI:** 24 hours
4. **Minimum Application Interval:** 7 days
5. **Maximum Annual Rate:** 4.0 pt/A
   a. **DO NOT** exceed 1.5 lb ai/A/year of paraquat-containing products.
6. **DO NOT** apply more than 3 applications per year.
7. **DO NOT** allow animals to graze in treated hopyards. Hop vine refuse and silage may be fed to livestock.
8. **Pre-Harvest Interval (PHI):** 14 days
### 8.20 Leafy Vegetables, Brassica (Cole)

#### 8.20.1 SEEDED OR TRANSPLANTED

<table>
<thead>
<tr>
<th>Crops (Including all cultivars, varieties, and/or hybrids of these)</th>
<th>Cavalo Broccoli</th>
<th>Chinese Cabbage</th>
<th>Collards</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Target Weed</strong></td>
<td><strong>Rate pt/A</strong></td>
<td><strong>Application Timing</strong></td>
<td><strong>Use Directions</strong></td>
</tr>
<tr>
<td>Refer to Section 7.0</td>
<td>1.3 – 2.7</td>
<td>Preplant/Preemergence Before during or after planting but prior to crop emergence.</td>
<td>Applications can be made as a banded or broadcast treatment. Apply by ground in a minimum of 10 gal/A or by air in 5 gal/A spray volume. Use the higher rate for heavier weed infestations. Seeding or transplanting should be done with a minimum amount of soil disturbance. Can be used in fallow bed/stale seedbed for weed control alone or in tank mix. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on seeded or transplanted leafy vegetables applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**USE RESTRICTIONS**
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8.0 pt/A
   a. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 3 applications per year.
7. Pre-Harvest Interval (PHI): Harvest at normal crop maturity.

#### 8.20.2 TYFON

<table>
<thead>
<tr>
<th>Crops (Including all cultivars, varieties, and/or hybrids of these)</th>
<th>Tyfon</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Target Weed</strong></td>
<td><strong>Rate pt/A</strong></td>
</tr>
<tr>
<td>Refer to Section 7.0</td>
<td>1.7 – 2.7</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on tyfon applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precautions:**
- Weeds and grasses emerging after treatment will not be controlled.
- Crop plants emerged at time of application will be injured.

**USE RESTRICTIONS**
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8.0 pt/A
   a. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 3 applications per year.
7. Pre-Harvest Interval (PHI): Harvest crop at normal maturity.
### 8.21 Leafy Vegetables, Except Brassica Vegetables

#### 8.21.1 SEEDED OR TRANSPLANTED

**Crops (Including all cultivars, varieties, and/or hybrids of these)**

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endive (escarole) Lettuce</td>
<td>1.3 – 2.7</td>
<td>Preplant/Preemergence Before during or after planting but prior to crop emergence.</td>
<td>Applications can be made as a banded or broadcast treatment. Apply by ground in a minimum of 10 gal/A or by air in 5 gal/A spray volume. Use the higher rate for heavier weed infestations. Seeding or transplanting should be done with a minimum amount of soil disturbance. Can be used in fallow bed/stale seedbed for weed control alone or in tank mix. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on endive and lettuce applied by the same methods and at the same timings.

**Resistance Management:**
- Refer to Section 3.1.

### USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8.0 pt/A
   a. DO NOT exceed 3.0 lb ai/A/year of parquat-containing products for preemergence uses.
   b. DO NOT exceed 3.0 lb ai/A/year of parquat-containing products for all combined uses.
6. DO NOT make more than 3 applications per year on lettuce and endive.
7. DO NOT make more than 2 applications per year on volunteer barley in lettuce.
8. Pre-Harvest Interval (PHI): Harvest crop at normal maturity.

#### 8.21.2 RHUBARB, DORMANT SEASON APPLICATION

**Crops (Including all cultivars, varieties, and/or hybrids of these)**

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhubarb</td>
<td>1.7 – 2.7</td>
<td>During dormant season before buds in crown begin to grow</td>
<td>Apply by ground application in a minimum of 10 gal/A of spray volume. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on rhubarb applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

### USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 12 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 5.4 pt/A
   a. DO NOT exceed 2.0 lb ai/A/year of parquat-containing products.
6. DO NOT make more than 2 applications per year.
7. Pre-Harvest Interval (PHI): Harvest crop at normal maturity.
## 8.22 Legume Vegetables (Succulent or Dried)
### 8.22.1 BEANS AND PEAS (SUCCULENT)
Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Crops</th>
<th>Target Weed</th>
<th>Rate g/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beans, lima, peas, snap</td>
<td>Refer to Section 7.0</td>
<td>1.3 – 2.7</td>
<td>Preplant/Preemergence Before during or after planting but prior to crop emergence</td>
<td>Applications can be made as a banded or broadcast treatment. Apply by ground in 10 gal/A or by air in 5 gal/A spray volume. Use the higher rate for heavier weed infestations. Seeding or transplanting should be done with a minimum amount of soil disturbance. Can be used in fellow bed/state seeded for weed control alone or tank mixed. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on beans and peas applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

### USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 g/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8.0 g/A
6. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products.
7. DO NOT make more than 3 applications per year.
8. Pre-Harvest Interval (PHI): Harvest crop at normal harvest maturity.

### Tank Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on legume vegetables applied by the same methods and at the same timings.

### 8.22.2 DRY BEAN AND PEA (EXCEPT GUAR BEAN AND SOYBEAN)
Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Crops</th>
<th>Target Weed</th>
<th>Rate g/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bean (Lupinus spp.)</td>
<td>Refer to Section 7.0</td>
<td>0.8 – 1.3</td>
<td>Harvest Aid Apply when the crop is mature</td>
<td>Use as a harvest aid when the crop is mature and at least 80% of the pods are yellowing and mostly ripe with no more than 40% (bush type peas or beans) or 30% (vine type peas or beans) of the leaves still green in color. For vining type beans or bush type with lush growth, use a single application of the higher rate. May also be applied as a split application. The split application may improve vine coverage. Apply as a ground application in a minimum total volume of 20 gal/A or by air in a minimum of 5 gal/A (minimum of 7 gal/A for lima). Add spreader (nonionic) at 1 qt/100 gal of spray mix. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>Grain Lupin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sweet Lupin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White Lupin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White Sweet Lupin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Field bean</td>
<td>.bean</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kidney bean</td>
<td>.bean</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lima bean</td>
<td>.bean</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Navy bean</td>
<td>.bean</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pinto bean</td>
<td>.bean</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tepary bean</td>
<td>.bean</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wax bean</td>
<td>.bean</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adzuki bean</td>
<td>.bean</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asparagus bean</td>
<td>.bean</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black-eyed pea</td>
<td>.bean</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on legume vegetables applied by the same methods and at the same timings.
Resistance Management:
- Refer to Section 3.1.

Precaution:
- AVOID application when weather conditions favor spray drift. A drift control agent may be included to reduce spray drift.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 3.3 pt/A harvest aid
   a. DO NOT exceed 0.5 lb ai/A/year of paraquat-containing products for harvest aid uses.
6. DO NOT make more than 3 preplant/preemergence applications per year.
7. DO NOT make more than 2 harvest aid applications per year.
8. NOT REGISTERED FOR USE ON DRY BEANS, DRY PEAS, OR LENTILS IN CALIFORNIA.
9. DO NOT graze or harvest treated foliage for animal feed following harvest aid application
10. Pre-Harvest Interval (PHI):
    a. Preplant/preemergence use: harvest crop at normal harvest maturity
    b. Harvest aid use: 7 days (seed only)

8.22.3 PIGEON PEAS, PUERTO RICO ONLY

Crops (Including all cultivars, varieties, and/or hybrids of these)
Pigeon Peas

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0</td>
<td>1.3</td>
<td>Postemergence (Directed Spray)</td>
<td>For use in Puerto Rico Only. Apply as a postemergence directed spray with a minimum ground application of 10 gal/A spray volume. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on pigeon peas applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precautions:
- Avoid contact with pigeon pea foliage.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: Not Applicable
5. Maximum Annual Rate: 1.3 pt/A
   a. DO NOT exceed 0.5 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 1 application per year.
7. DO NOT graze treated areas or feed treated forage to livestock. Cannery waste can be fed to livestock.
8. Pre-Harvest Interval (PHI): 60 days
### 8.22.4 Guar, Harvest Aid

**Guar**

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.3</td>
<td>When pods are fully mature</td>
<td>Apply as a preharvest desiccation by ground application in a minimum of 10 gal/A spray volume. Do not apply until the pods are fully mature. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**

- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on guar applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**

- Refer to Section 3.1.

**USE RESTRICTIONS**

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 4.0 pt/A
   a. DO NOT exceed 1.5 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 3 applications per year.
7. DO NOT graze treated areas or use the treated forage for animal feed.
8. Pre-Harvest Interval (PHI): 4 days

### 8.23 Mint, Dormant Season Application

**Spearmint**

<table>
<thead>
<tr>
<th>Suppression of Weeds such as:</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bluegrass</td>
<td>1.3 – 2.0</td>
<td>When crop is dormant before spring growth begins and when weeds are less than 6&quot; tall.</td>
<td>Apply during the dormant season with a minimum ground application of 10 gal/A or a minimum air application of 5 gal/A spray volume. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>Chickweed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Downy Brome</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Groundsel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Italian Ryegrass</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prickly Lettuce</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Tank-Mix Options:**

- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on mint applied by the same methods and the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**

- Refer to Section 3.1.

**USE RESTRICTIONS**

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.0 pt/A
3. REI: 12 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 2.0 pt/A
   a. DO NOT exceed 0.75 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 2 applications per year.
7. Pre-Harvest Interval (PHI): Harvest crop at normal maturity.
## 8.24 Nongrass Animal Feed (Forage, Feed, Straw, Hay), Crop Group 18, except Alfalfa and Kudzu

### Crops (Including all cultivars, varieties, and/or hybrids of these)

- Bean, velvet
- Clover
- Lespedeza
- Lupine
- Sainfoin
- Trefoil
- Vetch
- Vetch, crown
- Vetch, milk

### Target Weed

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control of winter and summer annual weeds. Suppression of perennial weeds.</td>
<td>Established Plantings: Region A 1.3 - 2.0 Established Plantings: Region B 0.7 - 1.3 Newly Established Stands: Region A 0.7 - 1.3 Newly Established Stands: Region B 0.5 - 0.8</td>
<td>After the last fall cutting and before the first spring cutting.</td>
<td>For desiccation of weeds on established plantings in Regions A and B, and on newly established stands less than 1 year old in Regions A and B. Refer to the geographical restrictions map in Section 8.1.6. Apply as a broadcast application by ground in a minimum of 10 gal/A or by air in a minimum of 5 gal/A spray volume. See Section 4.4.4 for adjuvant recommendations. California Only: Use high rate for control of ryegrass, shepardspur, sowthistle, or groundsel is present.</td>
</tr>
</tbody>
</table>

### Tank Mix Options:

- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on Nongrass Animal Feed (Forage, Feed, Straw, Hay), Crop Group 18, except Alfalfa and Kudzu applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

### Resistance Management:

- Refer to Section 3.1.

### Precautions:

- 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 foliage present at the time of application will be damaged and plants may be temporarily stunted.

### USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.0 pt/A
3. REI: 24 hours
4. Minimum Application Interval: Not Applicable
5. Maximum Annual Rate: 2.0 pt/A
   a. DO NOT exceed 0.75 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 1 application per year.
7. DO NOT apply if regrowth after grazing or cutting is more than 2”.
8. Pre-Harvest Interval (PHI): 60 days
## 8.25 Onion and Garlic

### 8.25.1 ONION, DRY BULB

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0</td>
<td>1.3 – 2.7</td>
<td>Preemergence</td>
<td>Apply by ground application in a minimum of 20 gal/A spray volume. Make the preemergence application as a broadcast spray and the postemergence application as a directed spray. Use the higher rate for heavy weed infestations or wild oat control. For preemergence treatment, allow maximum weed emergence prior to treatment but apply before crop emergence. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>1.3</td>
<td>Postemergence (Directed Spray)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides for use on dry bulb onions applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**USE RESTRICTIONS**

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 4.0 pt/A
   a. DO NOT exceed 1.5 lb ai/A/year of paraquat-containing products for all combined uses.
6. Only 1 preemergence and 1 postemergence application can be made per year.
7. Pre-Harvest Interval (PHI): 60 days

### 8.25.2 ONION (SEEDED) AND GARLIC

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0</td>
<td>1.7 – 2.7</td>
<td>Preplant/Preemergence</td>
<td>Apply preplant or preemergence by ground with in a minimum of ground application of 10 gal/A spray volume. Use the higher rate for heavy weed infestations or wild oat control. Allow maximum weed and grass emergence prior to treatment but apply prior to crop emergence. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on seeded onion and garlic applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**USE RESTRICTIONS**

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: Not Applicable
5. Maximum Annual Rate: 2.7 pt/A
   a. DO NOT exceed 1.0 lb ai/A/year of paraquat-containing products for preplant/preemergence uses.
   b. DO NOT exceed 1.5 lb ai/A/year of paraquat-containing products for all combined onion uses.
   c. DO NOT exceed 1.0 lb ai/A/year of paraquat-containing products for all combined garlic uses.
6. DO NOT make more than 1 application per year.
7. Pre-Harvest Interval (PHI): 60 days
   a. California Only: 200 days
### 8.26 Oilseed Crops

#### 8.26.1 Safflower

<table>
<thead>
<tr>
<th>Safflower</th>
<th>Target Weed</th>
<th>Rate</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Refer to Section 7.0</td>
<td>1.7 – 2.7</td>
<td>Preplant/Pre-emergence</td>
<td>Apply as a preplant or preemergence broadcast or banded over row application. Make the application before, during, or after planting but before crop emergence. Apply by ground in a minimum of 10 gal/A or by air in 5 gal/A of spray volume. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td></td>
<td>Volunteer Barley</td>
<td>0.7</td>
<td>Preplant</td>
<td>For use in California Only in preformed seedbeds for control of volunteer barley. Apply as a preplant broadcast application by ground in a minimum of 10 gal/A or by air in 5 gal/A of spray volume. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**

- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on safflower applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**

- Refer to Section 3.1.

**USE RESTRICTIONS**

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8.0 pt/A
   a. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 3 applications per year.
7. Pre-Harvest Interval (PHI): Harvest crop at normal maturity.

#### 8.26.2 Sunflower

<table>
<thead>
<tr>
<th>Sunflower</th>
<th>Target Weed</th>
<th>Rate</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Refer to Section 7.0</td>
<td>1.7 – 2.7</td>
<td>Preplant/Pre-emergence</td>
<td>Apply as a preplant or preemergence broadcast or banded over row application. Make the application before, during, or after planting but before crop emergence. Apply in a minimum of 10 gal/A spray volume by ground or 5 gal/A by air. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td></td>
<td>Preharvest Desiccation</td>
<td>0.8 – 1.3</td>
<td>Preharvest Desiccation</td>
<td>Apply as a preharvest broadcast application when sunflower seeds reach physiological maturity (when seed moisture is 35% or lower). For many varieties, this corresponds to the time when the back of the heads are yellow and the bracts are turning brown. Use the higher rate when crop stands or weed infestations are heavy. Apply in a minimum of 10 gal/A spray volume by ground or 5 gal/A by air. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**

- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on sunflower applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**

- Refer to Section 3.1.

**USE RESTRICTIONS**

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: preplant/pre-emergence: 2.7 pt/A; preharvest desiccation: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: preplant/pre-emergence: 8.0 pt/A; desiccation 2.7 pt/A
   a. DO NOT exceed 3.0 lb ai/A/year of preemergence paraquat-containing products.
   b. DO NOT exceed 1.0 lb ai/A/year of preharvest desiccation paraquat-containing products.
6. DO NOT make more than 3 applications per year as a preplant or preemergence treatment.
7. DO NOT make more than 2 applications per year as a preharvest desiccation treatment.
8. DO NOT graze treated areas or feed treated forage to livestock after a preharvest desiccation application.
9. Pre-Harvest Interval (PHI): 7 days preharvest desiccation.
### 8.27 Pasture and Conservation Lands

#### 8.27.1 CONSERVATION RESERVE, FEDERAL SET-ASIDE, CONSERVATION COMPLIANCE PROGRAMS

<table>
<thead>
<tr>
<th>Crops (Including all cultivars, varieties, and/or hybrids of these)</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land removed from Agricultural production as part of the Conservation Reserve Program</td>
<td>For use in compliance with the Federal Conservation Reserve Program or Federal set-aside programs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0</td>
<td>1.7 – 2.7</td>
<td>Apply to actively growing weeds before they exceed 6” in height.</td>
<td>For improved emerged weed control or extended weed control, Gramoxone SL 3.0 may be tank mixed with other herbicides registered for this use. When used for control of mature woody weeds, perennial weeds, late germinating weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on land removed from agricultural production as part of the Conservation Reserve Program applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**USE RESTRICTIONS**
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REG: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 5.3 pt/A
   a. DO NOT exceed 2.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 3 applications per year.
7. DO NOT graze treated areas or feed treated cover crops to livestock.
8. Pre-Harvest Interval (PHI): Not Applicable

#### 8.27.2 PASTURE RESEEDING

<table>
<thead>
<tr>
<th>Crops (Including all cultivars, varieties, and/or hybrids of these)</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pasture Land targeted for planting grasses or forage legumes</td>
<td>For best seeding results, apply on moderately to heavily grazed areas.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0</td>
<td>0.7 – 1.3</td>
<td>Apply in October through December</td>
<td>West of Cascade and Sierra Nevada Mountains</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Apply after first fall rains and after weeds have emerged and sod has started new growth.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Apply as a broadcast application by ground in a minimum of 10 gal/A spray volume or by air in a minimum of 5 gal/A spray volume.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>For best seeding results, apply on moderately to heavily grazed areas.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Do not use in areas with heavy sod and weed growth.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>When used for control of mature woody weeds, perennial weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Apply prior to, or at time of seeding**

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0</td>
<td>1.3</td>
<td></td>
<td>East of Rocky Mountains</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Apply prior to at or at time of seeding grasses or forage legumes in a minimum of 10 gal/A spray volume as a ground application of 5 gal/A spray volume by air.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Apply only to grazed or mowed pastures not more than 3” in height at time of treatment. Use the 1.3 pt rate on vigorous or coarse sod species such as bromegrass.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>When used for control of mature woody weeds, perennial weeds, late germinating weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>
# 8.27.2 PASTURE RESEEDING (continued)

## Crops (including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Pasture Land targeted for planting grasses or forage legumes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Target Weed</strong></td>
</tr>
</tbody>
</table>
| Refer to Section 7.0 Use 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 | Apply in late summer or early fall | Bermudagrass or Bahiagrass Sods  
Apply to sod not exceeding 3 inches in height.  
Apply in a minimum of 10 gal/A spray volume as a ground application or 5 gal/A spray volume by air.  
For control of emerged Little Barley, apply in February or March before the mid-boot stage of Little Barley.  
When used for control of mature woody weeds, perennial weeds, late germinating weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary.  
See Section 4.4.4 for adjuvant recommendations. |
| Refer to Section 7.0 Use for suppression of existing sod and undesirable emerged broadleaf weeds and grasses prior to or at time of planting grasses or forage legumes. |  
Apply when bermudagrass is dormant. | Bermudagrass and Coastal Bermudagrass Pastures  
Apply in a minimum of 10 gal/A spray volume as a ground application or 5 gal/A spray volume by air.  
For control of little barley, apply in February or March before the mid-boot stage of Little Barley.  
When used for control of mature woody weeds, perennial weeds, late germinating weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary.  
See Section 4.4.4 for adjuvant recommendations. |

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on pasture land targeted for planting grasses or forage legumes applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**USE RESTRICTIONS**

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 4.0 pt/A
6. DO NOT exceed 1.5 lb ai/A/year of paraquat-containing products.
7. DO NOT make more than 3 applications per year.
8. DO NOT mow Bermudagrass for hay until 40 days after treatment.
9. DO NOT graze or cut for forage or hay until regrowth is sufficient, but no sooner than 40 days after treatment.
10. Pre-Harvest Interval (PHI): 40 days

## 8.27.3 CONTROL OF ENDOPHYTE-FUNGUS IN FORAGE LEGUME/GRASS PASTURES

<table>
<thead>
<tr>
<th>Pasture Grass and Forage Legume/Grass Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Target Weed</strong></td>
</tr>
</tbody>
</table>
| Refer to Section 7.0 Use 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 | Apply when fescue is actively growing and no more than 4” high.  
10-21 days application interval | Bermudagrass or Bahiagrass Sods  
Apply to sod not exceeding 3 inches in height.  
Apply in a minimum of 10 gal/A spray volume as a ground application or 5 gal/A spray volume by air.  
For control of emerged Little Barley, apply in February or March before the mid-boot stage of Little Barley.  
When used for control of mature woody weeds, perennial weeds, late germinating weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary.  
See Section 4.4.4 for adjuvant recommendations. |

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on pasture grass and forage legume/grass mixture applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precaution:**
- To reduce the infestation of endophyte-infested grass, do not allow fescue to go to seed starting with the preceding year’s crop.

**USE RESTRICTIONS**

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 10 days
5. Maximum Annual Rate: 2.7 pt/A
6. DO NOT exceed 1.0 lb ai/A/year of paraquat-containing products.
7. DO NOT make more than 2 applications per year.
8. Pre-Harvest Interval (PHI): Not Applicable
### 8.27.4 JUNIPER SPECIES LEAF MOISTURE REDUCTION OR DESICCATION

#### Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Pasture Grass</th>
<th>Target Weed</th>
<th>Rate (pt/A)</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Refer to Section 7.0</td>
<td>1.3</td>
<td>Apply during hot, dry weather conditions (generally July and August).</td>
<td>Use for leaf moisture reduction or desiccation prior to prescribed burning of pastures. Use only in conjunction with prescribed burning as recommended and monitored by local SCS or University and Extension Range Specialists. Apply as a broadcast application in 5 gal/A spray volume by air application. Use 2% v/v nonionic surfactant in a minimum of 5 gal/A spray solution. Juniper leaf moisture content should be monitored; however, maximum leaf moisture reduction generally occurs 3-4 weeks after Gramoxone SL 3.0 application. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on pasture grass and forage legume/grass mixture applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precautions:**
- 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
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 4.0 pt/A
   a. DO NOT exceed 1.5 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 3 applications per year.
7. DO NOT use in California.
8. DO NOT graze livestock after application or prior to burning.
9. Pre-Harvest Interval (PHI): Not Applicable

### 8.27.5 NATIVE PASTURES

#### Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Native Pastures</th>
<th>Target Weed</th>
<th>Rate (pt/A)</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Refer to Section 7.0</td>
<td>1.0 – 1.2</td>
<td>Apply in spring after 90% node formation of brome species, but before full bloom.</td>
<td>Use for control of downy and Japanese brome in native pastures. Apply as a broadcast application by ground in a minimum of 10 gal/A spray volume or by air in a minimum of 5 gal/A spray volume. Apply only to pastures with no more than 3” of height at time of treatment. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on native pastures applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precautions:**
- Emerged native perennial grasses will be burned by application, but application after 90% node formation will allow adequate time for native grasses to recover and attain maximum growth in the use season.

#### USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.2 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 1.2 pt/A
   a. DO NOT exceed 0.45 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 2 applications per year.
7. DO NOT use in California.
8. DO NOT graze or cut for forage or hay until regrowth is sufficient.
9. Pre-Harvest Interval (PHI): Not Applicable
8.28 Peanuts

8.28.1 Postemergence Applications

Crops (including all cultivars, varieties, and/or hybrids of these)

Peanuts

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5.4 – 10.8 fl oz/A</td>
<td>Postemergence at ground crack. A second application may be made if needed up to 28 days after cracking.</td>
<td>Apply as a postemergence broadcast spray at ground crack with a minimum ground application of 10 gal/A spray volume. Use to control or suppress small (1-6&quot;) emerged annual grass and broadleaf weeds in peanuts. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank-Mix Options:
- Refer to Section 8.28.3 for tank-mix options.

Resistance Management:
- Refer to Section 3.1.

Precaution:
- Crop foliage sprayed will be injured in the form of bronzing and crinkling but the crop will recover and develop normally.

USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate:
   a. preplant applications: 2.5 pt/A
   b. postemergence at ground crack: 0.8 fl oz/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8 pt/A
   a. DO NOT exceed 0.25 lb ai/A/year of paraquat-containing products for postemergence uses.
   b. DO NOT exceed 2.8 lb ai/A/year of paraquat-containing products for all combined uses.
6. DO NOT make more than 2 preplant and 2 postemergence applications per year.
7. DO NOT apply by air.
8. Pre-Harvest Interval (PHI): Harvest crop at normal maturity.

8.28.2 TANK-MIX COMBINATIONS

<table>
<thead>
<tr>
<th>Application</th>
<th>Tank-Mix Brands</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postemergence</td>
<td>Dual Magnum, Pursuit® Warrant, Zidua</td>
<td>Use as a postemergence broadcast application at ground crack. The addition of NIS to a tank-mix with Dual Magnum may increase peanut injury. Apply as directed by this label and the labels of tank-mix partner.</td>
</tr>
<tr>
<td></td>
<td>Basagran® Herbicide Storm</td>
<td>Use as a postemergence broadcast application at ground crack for improved control of weeds such as cocklebur, balsam starbur, smallflower morningglory, smartweed, and prickly sida. Do not apply this tank mix if peanuts show injury (leaf phytotoxicity and/or plant stunting) produced by any other herbicide treatment as injury may be enhanced and/or prolonged. Apply as directed by this label and the labels of tank-mix partner.</td>
</tr>
<tr>
<td></td>
<td>Butyrac® Herbicide</td>
<td>Use as a postemergence broadcast application for improved control of weeds such as cocklebur, sicklepod and morningglory. Apply as directed by this label and the labels of tank-mix partner.</td>
</tr>
</tbody>
</table>

Precaution:
- Do not apply a tank-mix with Basagran Herbicide if peanuts show injury (leaf phytotoxicity and/or plant stunting) produced by any other herbicide treatment as injury may be enhanced and/or prolonged.
- Do not apply with Basagran during prolonged periods of drought or unseasonably cold weather as unsatisfactory weed control may result.

TANK-MIX USE RESTRICTIONS

1. All use restrictions cited in Section 8.28.1 for Gramoxone SL 3.0 solo apply to tank mixes with Gramoxone SL 3.0.
2. It is the pesticide user’s responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions, 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.
8.28.3 POSTEMERGENCE ROPEWICK APPLICATION

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Crops</th>
<th>Rate</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peanuts</td>
<td>33% solution</td>
<td>Postemergence applied through recirculating roper wick or carpet roller</td>
<td>Mix 1 part Gramoxone SL 3.0 with to 2 parts water. Add nonionic surfactant containing 75% or more surface-active agent at a minimum of 0.25% v/v (2 pt/100 gal or 0.32 fl oz/gal) of finished volume. Adjust equipment to apply up to 2.0 pt/A of the herbicide water mixture. Follow application equipment manufacturer’s instructions. Make application at least 6 inches above the peanut canopy and set application equipment to avoid dripping. Low ground speed, less than 5 mph is recommended, enhances coverage and weed control. Weed control is enhanced if application is made in late afternoon or early evening. For use only in Alabama, Arkansas, Florida, Georgia, Mississippi, North Carolina, and South Carolina for Suppression and/or Control of Palmer Amaranth. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Resistance Management:
- Refer to Section 3.1.

Precautions:
- Crop foliage contacted will be injured in the form of bronzing and crinkling but the crop will recover and develop normally.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 0.67 pt/A
3. REI: 24 hours
4. Minimum Application Interval: NA
5. Maximum Annual Rate: 0.67 pt/A
   a. DO NOT exceed 0.25 lb ai/A/year of paraquat-containing products for postemergence ropewick applications.
   b. DO NOT exceed 0.5 lb ai/A/year of paraquat-containing products for all combined uses.
6. DO NOT make more than 1 application per year.
7. DO NOT allow livestock to graze in treated areas.
8. DO NOT feed hay or vines from treated fields to livestock.
9. Pre-Harvest Interval (PHI): 30 days

8.29 Pome Fruit

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Crops</th>
<th>Rate</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apples</td>
<td>1.7 – 2.7</td>
<td>Postemergence (Directed Spray)</td>
<td>Apply as a directed spray with a minimum ground application of 10 gal/A. Use a shield or wrap plant when spraying around young trees or vines. If application is to be made during harvest season, pick all fruit off the ground prior to application. When used for control of mature woody weeds, perennial weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank-Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on pome fruit applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precautions:
- Do not allow spray to contact green stems (except suckers), or foliage.
- Use a shield or wrap plant when spraying around young trees or vines.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 13.3 pt/A
   a. DO NOT exceed 5.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 5 applications per year.
7. DO NOT graze treated areas.
8. DO NOT feed cover crops grown in treated areas to livestock.
## 8.30 Rice

### Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0</td>
<td>1.3 – 2.7</td>
<td>Preplant/Preemergence</td>
<td>Apply as a preplant or preemergence broadcast spray before, during or after planting, but before crop emergence. The recommended rate for Gramoxone SL 3.0 for this use is based upon weed height as follows: Weeds 1-3&quot;, 1.3 – 1.7 pt/A. Weeds 3-6&quot;, 1.7 – 2.7 pt/A. Apply in a minimum spray volume of 10 gal/A by ground or 5 gal/A by air. Use higher specified rates and spray volumes when vegetation is dense. Do not flood/flush within 48 hours of application in order to ensure complete kill of vegetation. Seeding should be done with a minimum amount of soil disturbance. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on rice applied by the same methods and at the same timings. Refer to Section 7.0.1 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precaution:**
- Crop plants emerged at the time of application will be killed.
- If cool, cloudy and/or wet weather delays speed of kill, do not flood/flush until complete kill is evident.

### USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8.0 pt/A
6. Maximum Annual Rate: 3.0 lb ai/A/year of paraquat-containing products.
7. DO NOT make more than 3 applications per year.
8. Pre-Harvest Interval (PHI): Harvest crop at normal maturity.

## 8.31 Root and Tubers

### 8.31.1 CARROTS AND TURNIPS

### Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0</td>
<td>1.3 – 2.7</td>
<td>Preplant/Preemergence</td>
<td>Applications can be made as a banded or broadcast treatment. Applications can be made as a banded or broadcast treatment. Apply by ground in 10 gal/A or by air in 5 gal/A spray volume. Seedbeds or plantbeds should 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 should be done with a minimum amount of soil disturbance. Can be used in fallow bed/stale seedbed for weed control alone or in tank mix. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be mixed with other herbicides labeled for use on carrots and turnips applied by the same methods and at the same timings. Refer to Section 7.0.1 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precaution:**
- Crop plants emerged at time of application will be killed.

### USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8.0 pt/A
6. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products.
7. DO NOT make more than 3 applications per year.
8. Pre-Harvest Interval (PHI): Harvest crop at normal maturity.
### 8.31.2 SUGARBEETS

**Crops (Including all cultivars, varieties, and/or hybrids of these)**

<table>
<thead>
<tr>
<th>Sugarbeets</th>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sugarbeets</td>
<td>Refer to Section 7.0.</td>
<td>1.3 – 2.7</td>
<td>Preplant/Preemergence</td>
<td>Apply as a ground application in a minimum of 10 gal/A or by air in a minimum of 5 gal/A spray volume. Use the higher rate for heavier weed infestation. Seeding or transplanting should be done with a minimum amount of soil disturbance. Can be used in fallow bed/stale seedbed for weed control. Seedbeds or plantbeds should be formed as far ahead of treatment as possible to permit maximum weed emergence. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>Volunteer barley</td>
<td>0.5 – 0.7</td>
<td>Preplant/Preemergence</td>
<td>For use in California, Washington, Oregon, &amp; Idaho. Apply as a ground application in a minimum of 10 gal/A or by air in a minimum of 5 gal/A spray volume. Use for control of volunteer barley in preformed seedbeds. See Section 4.4.4 for adjuvant recommendations.</td>
<td></td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on sugarbeets applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precaution:**
- Crop plants emerged at time of application will be killed.

### USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8.0 pt/A
   - DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 3 applications per year.
7. Pre-Harvest Interval (PHI): Harvest crop at normal maturity.

### 8.31.3 TANIERS

**Crops (Including all cultivars, varieties, and/or hybrids of these)**

<table>
<thead>
<tr>
<th>Taniers</th>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taniers</td>
<td>Refer to Section 7.0.</td>
<td>1.3 – 2.7</td>
<td>Preemergence</td>
<td>Florida Only: Make a preemergence application as a broadcast or banded over row application. A preemergence application must be made before crop emergence. Make a postemergence directed spray application with ground equipment that can direct the spray between the rows and shield to prevent spray contact with crop plants. Apply in a minimum ground application of 20 gal/A spray volume. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.3</td>
<td>Postemergence (Directed Spray)</td>
<td>If both preemergence and postemergence applications are made, allow 36-60 days between applications.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.3</td>
<td>Postemergence (Spray Directed)</td>
<td>Puerto Rico ONLY: Apply as a shielded postemergence directed spray ground application in a minimum of 50 gal/A using equipment that can direct the spray between rows and shield to prevent spray contact with crop plants. Apply when weeds are succulent and growth is 1-6&quot;. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on taniers applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precaution:**
- Do not allow the spray to contact the tanier plants as injury may result.

continued...
8.31.3 TANIER (continued)

USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate:
   a. Florida 2.7 pt/A
   b. Puerto Rico 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval:
   a. Florida: 30 days
   b. Puerto Rico: 90 days
5. Maximum Annual Rate: 4.0 pt/A
   a. DO NOT exceed 1.5 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 2 applications per year in Florida. If 2 applications are made, only 1 preemergence and one postemergence directed spray are allowed.
7. DO NOT make more than 3 postemergence directed spray applications in Puerto Rico.
8. DO NOT graze treated areas or feed treated forage to livestock.
9. Pre-Harvest Interval (PHI):
   a. Florida: 180 days
   b. Puerto Rico: 90 days

8.31.4 TARO

Crops (Including all cultivars, varieties, and/or hybrids of these)
Taro, Dryland (Dasheen)

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0</td>
<td>1.3 – 2.0</td>
<td>Postemergence (Directed Spray)</td>
<td>For use in Hawaii Only. Apply as a postemergence directed spray with a minimum ground application spray volume of 10 gal/A. Make the first application when weed growth is 1-4” high. A single re-treatment may be made. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank Mix Options:
• Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on dryland taro applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
• Refer to Section 3.1.

Precaution:
• Weeds emerging after the application will not be controlled.
• Do not allow the spray to contact the taro plants as injury may result.

USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.0 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 4.0 pt/A
   a. DO NOT exceed 1.5 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 2 applications per year.
7. Pre-Harvest Interval (PHI): 180 days
8.32 Sorghum

8.32.1 PREPLANT OR PREEMERGENCE APPLICATION

Crops (Including all cultivars, varieties, and/or hybrids of these)
Sorghum, grain Sorghum, forage

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0.</td>
<td>1.3 – 2.7</td>
<td>Preplant/Preemergence Prior to, during or after planting, but before crop emergence.</td>
<td>Apply as a preplant or preemergence broadcast or band application. The recommended rate for Gramoxone SL 3.0 for this use is based upon weed height as follows: Weeds 1-3&quot;, 1.7 – 2.0 pt/A Weeds 3-6&quot;, 2.0 – 2.7 pt/A Apply in a minimum spray volume by ground application of 10 gal/A or 5 gal/A by air. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank-Mix Options
• Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on sorghum applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
• Refer to Section 3.1.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REL: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 6.0 pt/A
   a. DO NOT exceed 3.0 lb ai/acre/year of paraquat-containing products for preplant/preemergence.
   b. DO NOT exceed 4.0 lb ai/acre/year of paraquat-containing products for all combined uses.
6. DO NOT make more than 3 preplant/preemergence applications per year.
7. Pre-Harvest Interval (PHI):
   a. forage: 20 days
   b. grain: 48 days

8.32.2 POSTEMERGENCE APPLICATION

Crops (Including all cultivars, varieties, and/or hybrids of these)
Sorghum, grain Sorghum, forage

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0.</td>
<td>0.7 – 1.3</td>
<td>Postemergence (Directed Spray) Apply when weeds are actively growing.</td>
<td>Apply postemergence directed (including hooded or shielded) with a minimum ground application of 10 gal/A. Use higher specified rate on larger or hard to control weeds. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Directed Spray without Hooded or Shielded Sprayers
When sorghum is at least 12" tall when naturally standing

Apply by directing spray between the rows to prevent spray contact with crop plants. 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. Apply when weeds are actively growing. See Section 4.4.4 for adjuvant recommendations.

Directed Spray Hooded or Shielded Sprayers
Apply postemergence directed (using hooded or shielded) sprayer with a minimum ground application spray volume of 10 gal/A. Use higher specified rate on larger or hard to control weeds. Weeds 6" or taller may not be controlled. Apply when weeds are actively growing. See Section 4.4.4 for adjuvant recommendations.

Tank-Mix Options
• Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on sorghum applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
• Refer to Section 3.1.

Precautions:
• Severe damage and/or complete kill can occur if spray contacts sorghum plants.
• To avoid excessive crop phytotoxicity when using a hooded or shielded sprayer, use a sprayer with skids or wheels on the spray boom to maintain spray height.
• When using a sprayer without a hooded or shielded sprayer, some crop injury will occur. The degree of injury is related to the precision of application and spraying conditions.

continued...
8.32.2 POSTEMERGENCE APPLICATION

### USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 2.7 pt/A
   a. DO NOT exceed 1.0 lb ai/A/year of paraquat-containing products for postemergence uses.
   b. DO NOT exceed 4.0 lb ai/A/year of paraquat-containing products for all combined uses.
6. DO NOT make more than 2 postemergence applications per year.
7. Pre-Harvest Interval (PHI):
   a. Forage: 20 days
   b. Grain: 48 days

8.33 Soybean

8.33.1 PREPLANT AND PREEMERGENCE APPLICATIONS

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Soybeans</th>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0.</td>
<td>1.3 – 2.7</td>
<td>Preplant/Preemergence Prior to, during or after planting, but before crop emergence.</td>
<td>Apply as a preplant or preemergence broadcast spray by ground application for in 10 gal/A or by air application in 5 gal/A. Weeds 1-3&quot;: 1.3 – 2.0 pt/A. Weeds 3-6&quot;: 2.0 – 2.7 pt/A. See Section 4.4.4 for adjuvant recommendations.</td>
<td></td>
</tr>
</tbody>
</table>

**Tank-Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on soybeans applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

### USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 4.0 pt/A
   a. DO NOT exceed 1.5 lb ai/A/year of paraquat-containing products for preplant and preemergence uses.
   b. DO NOT exceed 2.9 lb ai/A/year of paraquat-containing products for all combined uses.
6. DO NOT make more than 3 applications per year.
7. Pre-Harvest Interval (PHI):
   a. Forage/hay: Not before R3 stage.
   b. Seed: Can be harvested at normal crop maturity

8.33.2 POSTEMERGENCE APPLICATIONS

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Soybeans</th>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0.</td>
<td>0.7 – 1.3 pt/A</td>
<td>Postemergence (Directed Spray) Apply when weeds are actively growing.</td>
<td>Apply as a postemergence directed spray by directing the spray between the rows or using hooded or shielded sprayers to prevent spray contact with crop plants. Apply by ground application in 10 gal/A spray volume. Use higher specified rate on larger (3 – 6 inches) or hard to control weeds. Weeds 6&quot; or taller may not be controlled. See Section 4.4.4 for adjuvant recommendations.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.5 fl oz/ gallon of water</td>
<td>Actively growing weeds</td>
<td>Spot Treatment Spray the solution on actively growing weeds until uniformly wet but not to the point of runoff. See Section 4.4.4 for adjuvant recommendations.</td>
<td></td>
</tr>
</tbody>
</table>
Crops (Including all cultivars, varieties, and/or hybrids of these)

**Soybeans**

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.4 – 10.7 fl oz/A</td>
<td>Harvest Aid</td>
<td>Apply by ground in 20 gal/A or by air in 5 gal/A of spray volume.</td>
<td></td>
</tr>
</tbody>
</table>

**Harvest Aid**

For Research, Field Trials and Seed Production Only:

Apply by ground in 20 gal/A or by air in 5 gal/A of spray volume.

**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.

**Determinate Varieties:**

Apply when plants are mature, i.e., beans are fully developed, 1/2 of leaves have dropped, and remaining leaves are yellowing.

**For Research, Field Trials and Seed Production Only:**

Only use for soybeans grown for research, field trials and seed production, including USDA regulated plantings or seed production. See Section 4.4.4 for adjuvant recommendations.

**Tank Mix Options:**

- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on soybeans applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**

Refer to Section 3.1.

**Precautions:**

- Severe damage and/or complete kill can occur if postemergence directed spray or spot spray intentionally or accidentally (including drift of fine droplets) contacts the plants.
- When using a spot spray treatment, do not allow spray to contact soybean plant as crop injury or death may occur.
- Immature soybeans will be injured if present during harvest aid application.
- Mature cocklebur, especially drought-stressed plants, are tolerant to Gramoxone SL 3.0 and desiccation will not be complete.

**USE RESTRICTIONS**

1. Refer to Section 6.1 for additional product use restrictions.
2. **Maximum Single Application Rate:** postemergence: 1.3 pt/A
   a. postemergence directed: 1.3 pt/A
   b. postemergence spot: 0.5 fl oz/gallon of water
   c. harvest aid: 10.7 fl oz/A
3. **REI:** 24 hours
4. **Minimum Application Interval:** 14 days
5. **Maximum Annual Rate:** postemergence 2.7 pt/A; Harvest Aid 0.7 pt/A
   a. DO NOT exceed 1.0 lb ai/A/year of paraquat-containing product in postemergence applications.
   b. DO NOT exceed 0.25 lb ai/A/year of paraquat-containing product in harvest aid applications.
   c. DO NOT exceed 2.75 lb ai/A/year of paraquat-containing products for all combined uses.
6. **DO NOT** make more than 2 postemergence applications and 1 harvest aid application per year.
7. **DO NOT** graze or harvest for forage or hay from harvest aid applications.
8. Use of Gramoxone SL 3.0 as a harvest aid with 3-day pre-harvest interval on soybeans may only be done under agreement with and following all instructions of Syngenta Crop Protection, LLC (1-866-Syngenta) (866-796-4368)
9. **DO NOT** use or process harvested grain for food or feed from soybeans grown for research, field trials or seed production.
10. **Pre-Harvest Interval (PHI):**
    a. postemergence directed forage/hay: 46 days
    b. harvest aid grain only: 15 days
    c. harvest aid for soybeans grown for research, field trials and seed production only: 3 days
### 8.34 Stone Fruit

<table>
<thead>
<tr>
<th>Crops (Including all cultivars, varieties, and/or hybrids of these)</th>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apricots, Cherries, Nectarines, Peaches, Plums, Prunes</td>
<td>Refer to Section 7.0</td>
<td>1.7 – 2.7</td>
<td>Postemergence (Directed Spray)</td>
<td>Apply as a directed spray with a minimum ground application of 10 gal/A. When used for control of mature woody weeds, perennial weeds, late germinating weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. Use a shield or wrap plant when spraying around young trees or vines. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank-Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on stone fruit applied by the same methods and timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precautions:**
- Do not allow spray to contact green stems (except suckers), or foliage.
- Use a shield or wrap plant when spraying around young trees or vines.

### USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 8.0 pt/A
   a. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 3 applications per year.
7. DO NOT graze treated areas.
8. DO NOT feed cover crops grown in treated areas to livestock.
9. Pre-Harvest Interval (PHI):
   a. peaches: 14 days
   b. all Others: 28 days

### 8.35 Sugarcane

<table>
<thead>
<tr>
<th>Crops (Including all cultivars, varieties, and/or hybrids of these)</th>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sugarcane</td>
<td>Florida and Hawaii</td>
<td>1.3</td>
<td>Postemergence (Hooded, Shielded or Directed Spray) If necessary make a second application when new weed growth is 2-6” high.</td>
<td>For use in Florida and Hawaii Only: Apply postemergence as a hooded, shielded or directed spray to avoid contact with cane foliage to prevent leaf burn and yield reduction. Florida only: Apply by ground application in a spray volume of 50 gal/A. For optimum results, apply in early spring (March-April) when weeds are small. Do not apply after June 1 as cane growth may be stunted and yields reduced. Hawaii Only: Apply by ground application in a spray volume of 20 gal/A. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td></td>
<td>Louisiana</td>
<td>0.7 – 2.0</td>
<td>Postemergence (Hooded, Shielded or Directed Spray) If necessary make a second application when new weed growth is 2-6” high.</td>
<td>For use in Louisiana Only: For tiller control, apply when tillers are less than 18” high. Apply by ground application in a spray volume of 20 gal/A. Use the higher specified rate for heavier weed infestations or tiller growth. Do not apply after cane rows have closed in. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>
### Sugarcane

**Target Weed**

<table>
<thead>
<tr>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0.</td>
<td>Harvest Aid</td>
<td>For use in Florida and Texas Only</td>
</tr>
<tr>
<td>Florida and Texas</td>
<td>3-14 days before burning and harvest</td>
<td>Apply by air in a spray volume of 5 gal/A. Use higher specified rate under cool, cloudy weather conditions. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled use on sugarcane applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**USE RESTRICTIONS**

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A in Florida and Hawaii; 2.0 pt/A in Louisiana
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 2.7 pt/A in Florida and Hawaii; 4.0 pt/A in Louisiana
6. DO NOT make more than 2 postemergence directed spray applications per year.
7. DO NOT make more than 1 harvest aid application per year in Florida and Texas.
8. DO NOT graze treated areas or feed treated forage to livestock when using postemergence directed spray (includes Hooded or Shielded) applications.

**Tree Nuts, Crop Group 14, and Pistachios**

**Crops (including all cultivars, varieties, and/or hybrids of these)**

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0.</td>
<td>1.7 – 2.7</td>
<td>Postemergence (Directed Spray)</td>
<td>All applications must be made prior to shaking for harvest. Apply as a postemergence directed spray with a minimum ground application of 10 gal/A spray volume. If application is to be made during harvest season, apply before shaking for harvest. When used for control of mature woody weeds, perennial weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

**Tank Mix Options:**
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled use on tree nuts applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

**Resistance Management:**
- Refer to Section 3.1.

**Precautions:**
- Do not allow spray to contact green stems (except suckers), or foliage.
- Use a shield or wrap plant when spraying around young trees or vines.
**8.36 Tree Nuts, Crop Group 14, and Pistachios (continued)**

<table>
<thead>
<tr>
<th>USE RESTRICTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Refer to Section 6.1 for additional product use restrictions.</td>
</tr>
<tr>
<td>2. Maximum Single Application Rate: 2.7 pt/A</td>
</tr>
<tr>
<td>3. REI: 24 hours</td>
</tr>
<tr>
<td>4. Minimum Application Interval: 7 days</td>
</tr>
<tr>
<td>5. Maximum Annual Rate: 13.3 pt/A</td>
</tr>
<tr>
<td>a. DO NOT exceed 5.0 lb ai/A/year of paraquat-containing products.</td>
</tr>
<tr>
<td>6. DO NOT make more than 5 applications per year.</td>
</tr>
<tr>
<td>7. DO NOT make more than 2 applications to Pistachios after shells split.</td>
</tr>
<tr>
<td>8. DO NOT graze treated areas.</td>
</tr>
<tr>
<td>9. DO NOT feed cover crops grown in treated areas to livestock.</td>
</tr>
<tr>
<td>10. Pre-Harvest Interval (PHI):</td>
</tr>
<tr>
<td>a. pistachios: 7 days</td>
</tr>
<tr>
<td>b. all others: Harvest crop at normal maturity.</td>
</tr>
</tbody>
</table>

**8.37 Tropical and Subtropical Fruit**

**8.37.1 TROPICAL AND SUBTROPICAL FRUIT WITH EDIBLE PEEL**

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Acerola</th>
<th>Feijoa</th>
<th>Figs</th>
<th>Guava</th>
<th>Jaboticaba</th>
<th>Olives</th>
<th>Starfruit</th>
<th>Wax Jambu</th>
</tr>
</thead>
</table>

Target Weed | Rate pt/A | Application Timing | Use Directions |
-------------|-----------|--------------------|---------------|
| Acerola Figs, and Olives | 2.7 | Postemergence (Directed Spray) | Apply as a postemergence directed spray with a minimum ground application spray volume of 10 gal/A. For Feijoa, Jaboticaba, Starfruit and Wax Jambu, apply only with ground boom equipment that provides a directed spray. When used for control of mature woody weeds, late-germinating weeds and grasses, and perennials, retreatment or spot spraying may be necessary. Where a suckering application is made, spray when suckers are 4 to 8 inches tall. See Section 4.4.4 for adjuvant recommendations. |
| For All Others: | 1.3 – 2.5 |

Tank Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on sorghum applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precautions:
- Do not allow spray to contact green stems (except suckers), fruit or foliage.
- Use a shield or wrap plant when spraying around young trees or vines.

**USE RESTRICTIONS**

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A for acerola, figs, and olives; 2.5 pt/A all others
3. REI: 24 hours
4. Minimum Application Interval: 7 days acerola, figs, olives and guava; 28 days feijoa, jaboticaba, starfruit, and wax jambu
5. Maximum Annual Rate: 10.0 pt/A for feijoa, guava, jaboticaba, starfruit, wax jambu; 13.3 pt/A acerola, figs, and olives
   a. DO NOT exceed 5.0 lb ai/A/year of paraquat-containing products for acerola, and figs.
   b. DO NOT exceed 3.76 lb ai/A/year of paraquat-containing products for feijoa, guava, jaboticaba, starfruit, and wax jambu.
   c. DO NOT exceed 4.0 lb ai/A/year of paraquat-containing product for olives.
6. DO NOT make more than 4 applications per year except for acerola and figs where a maximum of 5 applications per year are allowed.
7. DO NOT apply when figs or olives to be harvested are on the ground.
8. DO NOT graze treated areas.
9. DO NOT feed cover crops grown in treated areas to livestock.
10. Pre-Harvest Interval (PHI):
    a. acerola: 28 days
    b. figs and olives: 13 days
    c. guava: Harvest at normal crop maturity.
    d. all others: 14 days
8.37.2 TROPICAL AND SUBTROPICAL FRUIT WITH INEDIBLE PEEL
Crops (including all cultivars, varieties, and/or hybrids of these)
- Atemoya
- Avocado
- Bananas/plantains
- Biriba
- Canistel
- Cherimoya
- Custard apple
- Llama
- Longan
- Lychee
- Mango
- Papaya
- Passion fruit
- Pawpaw
- Persimmon
- Pineapple
- Pomegranate
- Pulasan
- Rambutan
- Sapodilla
- Sapote, black
- Sapote, maney
- Sapote, white
- Soursop
- Spanish lime
- Star apple
- Sugar apple

Target Weed | Rate pt/A | Application Timing | Use Directions
---|---|---|---
Pineapple | 1.3 – 2.7 | Postemergence (Directed Spray) | Apply as a postemergence directed spray with a minimum ground application spray volume of 10 gal/A. See Section 4.4.4 for adjuvant recommendations.
Avocado, Banana/Plantain, & Papaya | 1.7 – 2.7 | Postemergence (Directed Spray) | When used for control of mature woody weeds, perennial weeds, and late germinating weeds, retreatment or spot treatment may be necessary. Where a suckering application is made, spray when suckers are 4 to 8 inches tall. See Section 4.4.4 for adjuvant recommendations.

Tank Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on tropical and subtropical fruits with inedible peel applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precautions:
- Do not allow spray to contact green stems (except suckers), fruit or foliage.
- Use a shield or wrap plant when spraying around young trees or vines.

USE RESTRICTIONS
1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. RED: 24 hours
4. Minimum Application Interval: 7 days avocado, banana, papaya, and pineapple, 28 days all others
5. Maximum Annual Rate: 13.3 pt/A avocado, banana, papaya, 8.0 pt/A pineapple, 10 pt/A all others
   a. DO NOT exceed 5.0 lb ai/A/year of paraquat-containing products for avocado, banana, and papaya.
   b. DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products for pineapple.
   c. DO NOT exceed 3.76 lb ai/A/year of paraquat-containing products for all others.
6. DO NOT make more than 5 applications for avocado, banana, and papaya.
7. DO NOT make more than 3 applications for pineapple.
8. DO NOT make more than 4 applications for all others.
9. DO NOT make an application during Passion fruit harvest season, unless all fruit has been picked up off the ground prior to application.
10. DO NOT graze treated areas.
11. DO NOT feed cover crops grown in treated areas to livestock.
12. Pre-Harvest Interval (PHI):
   a. avocado, banana, and papaya: Harvest at normal crop maturity.
   b. pineapple: 20 days
   c. all others: 14 days
8.38 Tuberous and Corm Vegetables

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Crop</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arracacha</td>
<td>0.7 – 1.3</td>
<td>Preplant/Preemergence</td>
<td>Apply as a preplant/preemergence broadcast application with a minimum ground application spray volume of 10 gal/A or a minimum air application spray volume of 5 gal/A. Apply up to ground cracking, before crop has emerged. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
<tr>
<td>Arrowroot</td>
<td>0.3 – 0.7</td>
<td>Preplant</td>
<td>For use in California, Washington, Oregon, and Idaho Only Use for control of volunteer barley in preformed seedbeds. Apply as a preplant broadcast application with a minimum ground application spray volume of 10 gal/A or minimum air application spray volume of 5 gal/A. Use Gramoxone® SL 3.0 solo for this application. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank Mix Options:

- Gramoxone® SL 3.0 can be tank mixed with other herbicides labeled for use on tuberous and corm vegetables applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:

- Refer to Section 3.1.

USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 1.3 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 4.0 pt/A
   a. DO NOT exceed 1.5 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 3 applications per year.
7. Pre-Harvest Interval (PHI): Harvest at crop at normal maturity.

9.0 NON-AGRICULTURAL CROP USE DIRECTIONS

9.1 Easter Lilies

Crops (Including all cultivars, varieties, and/or hybrids of these)

Easter Lilies (field grown)

<table>
<thead>
<tr>
<th>Crop</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refer to Section 7.0.</td>
<td>1.7 – 2.7</td>
<td>Preemergence</td>
<td>Apply as a ground application in a minimum of 10 gal/A spray volume. See Section 4.4.4 for adjuvant recommendations.</td>
</tr>
</tbody>
</table>

Tank Mix Options:

- Gramoxone® SL 3.0 can be tank mixed with other herbicides labeled for use on easter lilies applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:

- Refer to Section 3.1.

USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 5.4 pt/A
   a. DO NOT exceed 2.0 lb ai/A/year of paraquat-containing products.
6. DO NOT make more than 2 applications per year.
7. Pre-Harvest Interval (PHI): Harvest crop at normal maturity.
9.2 General Noncrop Uses

General Noncrop Uses Such as the Following:
- Around commercial buildings
- Electric transformer stations
- Pipeline pumping stations
- Public airports
- Storage yards and other installations
- Similar noncrop areas

Target Weed | Rate pt/A | Application Timing | Use Directions
--- | --- | --- | ---
Refer to Section 7.0 | 1.7 – 2.7 | Emergence of weeds | Apply as needed for weed control by a ground broadcast application or by a spot treatment in a minimum of 10 gal/A of spray volume. See Section 4.4.4 for adjuvant recommendations.

Tank Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on general noncrop uses applied by the same methods at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precaution:
- Avoid contact with the foliage of ornamentals or desired plants.

USE RESTRICTIONS
- Refer to Section 6.1 for additional product use restrictions.
- Maximum Single Application Rate: 2.7 pt/A
- REI: 24 hours
- Minimum Application Interval: 7 days
- Maximum Annual Rate: 8.0 pt/A
  - DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products.
- DO NOT make more than 3 applications per year.
- Pre-Harvest Interval (PHI): Not Applicable

9.3 Tree Plantation Establishment

Crops (Including all cultivars, varieties, and/or hybrids of these)

<table>
<thead>
<tr>
<th>Conifers</th>
<th>Deciduous Trees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target Weed</td>
<td>Rate pt/A</td>
</tr>
<tr>
<td>Refer to Section 7.0</td>
<td>1.3 – 2.7</td>
</tr>
</tbody>
</table>

Tank Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on tree plantation establishments applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precaution:
- Do not apply in less than 20 gal/A as weed control will be reduced.

USE RESTRICTIONS
- Refer to Section 6.1 for additional product use restrictions.
- Maximum Single Application Rate: 2.7 pt/A
- REI: 24 hours
- Minimum Application Interval: 7 days
- Maximum Annual Rate: 8.0 pt/A
  - DO NOT exceed 3.0 lb ai/A/year of paraquat-containing products.
- DO NOT make more than 3 applications per year.
- Pre-Harvest Interval (PHI): Not Applicable
9.4 Tree, Windbreak, Shade, and Ornamental Crops (Including all cultivars, varieties, and/or hybrids of these) Other shade and ornamental trees such as arborvitae, ash, elm, fir, oak, pine, etc.

<table>
<thead>
<tr>
<th>Target Weed</th>
<th>Rate pt/A</th>
<th>Application Timing</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.7 – 2.7</td>
<td>Postemergence</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Directed Spray)</td>
<td></td>
</tr>
</tbody>
</table>

Apply as a directed spray by ground in a minimum of 10 gal/A spray volume. When used for control of mature woody weeds, perennial weeds, late germinating weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. Use a shield or wrap plant when spraying around young trees or vines. See Section 4.4.4 for adjuvant recommendations.

Tank-Mix Options:
- Gramoxone SL 3.0 can be tank mixed with other herbicides labeled for use on tree, windbreak, shade and ornamentals applied by the same methods and at the same timings. Refer to Section 4.4.2 for tank-mix precautions.

Resistance Management:
- Refer to Section 3.1.

Precautions:
- Do not allow spray to contact green stems (except suckers), or foliage.
- Use a shield or wrap plant when spraying around young trees or vines.

USE RESTRICTIONS

1. Refer to Section 6.1 for additional product use restrictions.
2. Maximum Single Application Rate: 2.7 pt/A
3. REI: 24 hours
4. Minimum Application Interval: 7 days
5. Maximum Annual Rate: 13.3 pt/A
   a. DO NOT exceed 5.0 lb ai/acre/year of paraquat-containing products.
6. DO NOT make more than 5 applications per year.
7. DO NOT graze treated areas.
8. DO NOT feed cover crops grown in treated areas to livestock.
9. Pre-Harvest Interval (PHI): Not Applicable

10.0 STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage
Store at temperatures above 32°F. Store tightly closed in original container and in a locked place away from children and animals.

Pesticide Disposal
Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinseate 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 [less than or equal to 120 gallons]
Nonrefillable container: Do not reuse or refill this container. Pressure rinse container promptly after emptying. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank using the closed transfer system. While maintaining the closed system connection of this container to the application equipment or mix-tank, activate the pressure rinsing system on the closed system, and rinse at about 40 PSI for at least 45 seconds. Once pressure rinse has been stopped, allow container to drain for additional 30 seconds into the application equipment or mix-tank. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

Prior to offering for recycling, but only after the container has been emptied and pressure rinsed, the closed system valve must be removed from the product container. DO NOT remove this valve until after the product container has been rinsed and drained as described above. To remove closed system valve, use a mechanical device such as a strap wrench or adjustable pliers to turn the valve counter clockwise until the locking mechanism is released. The closed system valve is removed from the product container by unscrewing the valve in a counter clockwise direction until free from the product container. The closed system valve is not recyclable and should be discarded.

continued...
STORAGE AND DISPOSAL (continued)

Container Handling [120 gallons or greater]

Refillable container. 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 person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

For help with any spill, leak or fire involving this material, call 1-800-888-8372.

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

11.0 CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of SYNGENTA, and (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

12.0 APPENDIX

12.1 Rate Conversion Chart

Conversion Table
Gramoxone SL 3.0 to be Applied

<table>
<thead>
<tr>
<th>Fluid Ounces</th>
<th>Pints</th>
<th>lb ai</th>
<th>Acres/Gallon</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.0</td>
<td>0.5</td>
<td>0.19</td>
<td>16.0</td>
</tr>
<tr>
<td>10.7</td>
<td>0.7</td>
<td>0.25</td>
<td>12.0</td>
</tr>
<tr>
<td>15.0</td>
<td>1.0</td>
<td>0.38</td>
<td>8.0</td>
</tr>
<tr>
<td>24.0</td>
<td>1.5</td>
<td>0.56</td>
<td>6.0</td>
</tr>
<tr>
<td>26.7</td>
<td>1.7</td>
<td>0.63</td>
<td>4.8</td>
</tr>
<tr>
<td>32.0</td>
<td>2.0</td>
<td>0.75</td>
<td>4.0</td>
</tr>
<tr>
<td>40.0</td>
<td>2.5</td>
<td>0.94</td>
<td>3.2</td>
</tr>
<tr>
<td>48.0</td>
<td>3.0</td>
<td>1.13</td>
<td>2.86</td>
</tr>
<tr>
<td>56.0</td>
<td>3.5</td>
<td>1.31</td>
<td>2.28</td>
</tr>
<tr>
<td>64.0</td>
<td>4.0</td>
<td>1.5</td>
<td>2.0</td>
</tr>
</tbody>
</table>
Gramoxone SL 3.0 contains alerting agent (odor), emetic, and dye.

Paraquat dichloride

Active Ingredients:

A Weed, Grass, and Harvest Aid Desiccant/Defoliant Herbicide

CAS No. 4685-14-7

READ ENTIRE LABEL PRIOR TO USING THIS PRODUCT.

NEVER TRANSFER THIS CORROSIVE TO SKIN AND EYES.

LA PARTE POSTERIOR DEL ENVASE DEL PRODUCTO TIENE INFORMACIÓN DE SEGURIDAD IMPORTANTE.

ESTE PRODUCTO ES TÓXICO! SE HA AGREGADO UN AGENTE DE ALERTA (OLOR) PARA AYUDAR A PREVENIR SU INGESTIÓN ACCIDENTAL.

NUNCA ESTÉ ESE PRODUCTO EN ÁREAS RESIDENCIALES O PÚBLICAS (COMO HOGARES, JARDINES, ESCUELAS, PARQUES RECREATIVOS, CAMPOS DE GOLF O SALONES DE JUEGOS).

GUARDE BIEN CERRADO EN EL ENVASE ORIGINAL Y EN UN LUGAR CERRADO LEJOS DE NIÑOS Y ANIMALES.

PELIGRO: MORTAL SI SE INGIERE O INHALA.

CAUSA LESIONES GRAVES EN LOS OJOS.

CORROSIVO PARA LA PIEL.

NUNCA TRANSFIERA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O BEBIDAS O RECIPIENTES NO EXPLÍCITAMENTE PREVISTOS PARA PLAGUICIDAS.

LEA LA ETIQUETA COMPLETA ANTES DE USAR EL PRODUCTO.

CONTENEDORES NO DE FUTOS NO USABLES PARA ALMACENAMIENTO DE COMIDA, BEBIDAS O EN EL AGUA DE BEBIDA.

SUPERVISIÓN DE PERSONAS NO CERTIFICADAS.

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 22 HERBICIDE

Herbicide

ATTENTION

DANGER / POISON

Peligro / Peligro mortal

PERICO / PERICO MORTAL

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

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage:

Pres-
<table>
<thead>
<tr>
<th><strong>Product Package Safety Requirements</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES.</strong></td>
<td><strong>NUNCA TRANSFERA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLICITAMENTE PREVISTOS PARA PLAGUIDAS.</strong></td>
</tr>
<tr>
<td><strong>ONE SIP CAN KILL.</strong></td>
<td><strong>UN SORBO PUEDE CAUSAR LA MUERTE.</strong></td>
</tr>
<tr>
<td><strong>CONTACT WITH SKIN MAY RESULT IN POISONING.</strong></td>
<td><strong>EL CONTACTO CON LA PIEL PUEDE CAUSAR ENVENENAMIENTO.</strong></td>
</tr>
<tr>
<td><strong>EXPOSURE TO EYES MAY CAUSE SUBSTANTIAL EYE INJURY.</strong></td>
<td><strong>EXPOSICIÓN A LOS OJOS PUEDE CAUSAR LESIONES SUSTANCIALES EN LOS OJOS.</strong></td>
</tr>
<tr>
<td><strong>PARAQUAT SHOULD ALWAYS BE STORED TIGHTLY CLOSED IN ORIGINAL CONTAINER, AND IN A LOCKED PLACE AWAY FROM CHILDREN AND ANIMALS.</strong></td>
<td><strong>EL PARAQUAT DEBE ALMACENARSE SIEMPRE CERRADO EN SU RECIPIENTE ORIGINAL, Y EN UN LUGAR CERRADO, ALEJADO DE NIÑOS Y ANIMALES.</strong></td>
</tr>
<tr>
<td><strong>READ ENTIRE LABEL PRIOR TO USING THIS PRODUCT.</strong></td>
<td><strong>LEA LA ETIQUETA COMPLETA ANTES DE USAR ESTE PRODUCTO.</strong></td>
</tr>
</tbody>
</table>

SCP 1652A-L6 0919 4110706