



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 24, 2022

Ogongi Ogongi
Agent for Tigris, LLC
Tigris, LLC
P.O. Box 250
10025 Hwy. Alternate
Middlesex, NC 27557

Subject: Registration Review Label Mitigation for Paraquat Dichloride plus Label
Amendment to Revise Spray Volume in Corn, Cotton, Sorghum and Soybeans
Product Name: Tigris Paraquat
EPA Registration Number: 92647-12
Application Dates: October 1, 2021 and October 1, 2020
Decision Numbers: 578858 and 568328

Dear Ogongi Ogongi:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Paraquat Dichloride Interim Decision, and has concluded that your submission is acceptable. The Agency also completed review of your amended label referred to above, submitted in connection with registration under FIFRA, as amended, and has determined the label is also acceptable.

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

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently

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approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Carolyn Smith by phone at 202-566-2273, or via email at smith.carolyn@epa.gov and Sarah Meadows via email at meadows.sarah@epa.gov.

Sincerely,



Emily Schmid, Product Manager 25
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

[Note to reviewer: [Text] in brackets denotes optional or explanatory language
 [Note to reviewer: {Text} in braces denotes where in the final label text will appear
 {BOOKLET FRONT PANEL LANGUAGE}]

RESTRICTED USE PESTICIDE

DUE TO ACUTE TOXICITY

To be used by certified applicators only – NOT to be used by uncertified persons working under the supervision of a certified applicator, except that uncertified persons may transport containers as provided under Directions for Use.

ACCEPTED

Aug 24, 2022

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 92647-12

PARAQUAT	GROUP	22	HERBICIDE
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Tigris Paraquat^[TM]**[ABN: Tigris Paraquat 3 SL]**

[HERBICIDE]

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

ACTIVE INGREDIENT:	(% by weight)
Paraquat dichloride: (1,1'-dimethyl-4,4'-bipyridinium dichloride)	43.2%
OTHER INGREDIENTS:	56.8 %
TOTAL:	100.0%

Contains 3.0 pounds paraquat cation per gallon as 4.05 pounds of paraquat dichloride salt per gallon.
 Contains emetic and stench (odor).

KEEP OUT OF REACH OF CHILDREN**DANGER****POISON**

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.
 If you do not understand the label, find someone to explain it to you in detail.

MANTENER FUERA DEL ALCANCE DE LOS NIÑOS**PELIGRO****VENENO**

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.
 Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

- IF SWALLOWED, TAKE IMMEDIATE ACTION AS PRESCRIBED IN FIRST AID. SYMPTOMS ARE PROLONGED AND PAINFUL.
- CORROSIVE TO SKIN AND EYES. / CORROSIVO PARA LA PIEL Y LOS OJOS.
- NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES. / NUNCA TRANSFERA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLÍCITAMENTE PREVISTOS PARA PLAGUICIDAS.
- DO NOT USE OR STORE IN OR AROUND THE HOME.
- DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.
- THE ODOR OF THIS PRODUCT IS FROM THE STENCHING AGENT WHICH HAS BEEN ADDED, NOT FROM PARAQUAT.

FIRST AID

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

If Swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor IMMEDIATELY for treatment advice. • SPEED IS ESSENTIAL. Immediate medical attention is required. If available, give an adsorbent such as activated charcoal, bentonite, or Fuller's Earth. • Do not give anything by mouth to an unconscious person.
If Inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If in Eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on Skin or Clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Administer either activated charcoal (100 g for adults or 2.0 g/kg body weight in children) or Fuller's Earth (15% solution; 1.0 liter for adults or 15.0 ml/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. Probable mucosal damage may contraindicate the use of gastric lavage.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call your poison control center at **1-800-222-1222**.

[Optional referral statements when booklets and container labels are used:]

[See label booklet for [complete] [additional] [First Aid,] [Precautionary Statements,] [Directions For Use,] and [Storage and Disposal].]

EPA Reg. No.: 92647-12

EPA Est. No.: _____

Net Contents: _____ [Gal./L.]

Manufactured For:

Tigris, LLC

P.O. Box 250

10025 Hwy. 264 Alternate

Middlesex, NC 27557

{LANGUAGE INSIDE BOOKLET}

<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • PELIGRO – Mortal Si Se Ingiere o Inhala. • Causa Lesiones Graves En Los Ojos. • Corrosivo Para La Piel. • NUNCA TRANSFEIERA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLÍCITAMENTE PREVISTOS PARA PLAGUICIDAS. • Guarde Bien Cerrado En El Envase Original Y En Un Lugar Cerrado Lejos De Niños Y Animales. • Nunca Use Este Producto En Áreas Residenciales O Públicas (Como Hogares, Jardines, Escuelas, Parques Recreativos, Campos De Golf, O Salones De Juegos). • ¡Este Producto Es Tóxico! Se Ha Agregado Un Agente De Alerta (Olor) Para Ayudar A Prevenir Su Ingestión Accidental. • La Parte Posterior Del Envase Del Producto Tiene Información De Seguridad Importante.
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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER/PELIGRO



POISON/VENENO

Fatal if inhaled. Corrosive. Causes irreversible eye damage. May be fatal if swallowed. Harmful if absorbed through skin. Do not breathe spray mist. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

IMPORTANT: Inhalation is an unlikely route of exposure due to low vapor pressure and large spray droplet size, but mucosal irritation or nose bleeds may occur. Prolonged contact with this concentrated product can irritate your skin.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

- For other handlers (other than mixers and loaders): A minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.
- Protective eyewear
- Long-sleeved shirt
- Long pants
- Socks and shoes
- Waterproof gloves, except wear chemical-resistant gloves (Barrier Laminate, Nitrile Rubber ≥ 14 mils, Neoprene Rubber ≥ 14 mils, or Viton® ≥14 mils gloves) when mixed with oil.
- For applicators: When applying to 80 acres or less in a 24-hour period, if not using an enclosed cab, applicators must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters
- For applicators: When applying to more than 80 acres in a 24-hour period, applications must be made using an enclosed cab. Enclosed cabs must have a nonporous barrier that totally surrounds occupant and prevents contact with pesticides outside of the cab.

Mixers and loaders must wear:

- A minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air-purifying respirator with a HE filter
- Face shield
- Long-sleeved shirt
- Long pants
- Socks and shoes
- Waterproof gloves, except wear chemical-resistant gloves (Barrier Laminate, Nitrile Rubber ≥ 14 mils, Neoprene Rubber ≥ 14 mils, or Viton® ≥14 mils gloves) when mixed with oil.
- Chemical-resistant apron

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use

detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENT

Handlers performing mixing and loading activities using paraquat closed systems may not reduce or modify handler PPE requirements as described in 40 CFR 170.607 of the Worker Protection Standard for agricultural pesticides.

When applying to more than 80 acres in a 24-hour period, applications must be made using an enclosed cab. Enclosed cabs must have a nonporous barrier that totally surrounds occupant and prevents contact with pesticides outside of the cab.

USER SAFETY RECOMMENDATIONS

Users Should:

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

ENVIRONMENTAL HAZARDS

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

Paraquat dichloride is toxic to non-target crops and plants if off-target movement occurs because it desiccates all green plant tissue. Extreme care must be taken to ensure that off-target drift is minimized to the greatest extent possible. Refer to the local State laws, regulations, guidelines, and spray drift information contained in the Directions for Use section for proper application to avoid off-target movement. Do not apply under conditions involving possible drift to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use, or consumption. Do not apply when weather conditions favor drift from treated areas. To avoid drift, do not make aerial application during periods of thermal inversion.

NON-TARGET ORGANISM ADVISORY: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

PHYSICAL AND CHEMICAL HAZARDS

This product is mildly corrosive to aluminum and produces hydrogen gas which may form a highly combustible gas mixture. Do not mix or store in containers, spray tanks, nurse tanks, or such systems made of aluminum or having aluminum fittings. The product is compatible with high density polyethylene and rubber-lined steel containers. Do not use this product in or around strong oxidizing/reducing agents.

CERTIFIED APPLICATOR 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.

DIRECTIONS FOR USE

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

The built-in chemical extraction probe must be rinsed within the pesticide container prior to removal.

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

NEVER USE THIS PRODUCT IN RESIDENTIAL OR PUBLIC RECREATIONAL SETTINGS (e.g., HOMES, HOME GARDENS, SCHOOLS, RECREATIONAL PARKS, GOLF COURSES, AND/OR PLAYGROUNDS).

Persons who are not certified applicators may transport containers of paraquat that have been opened, subject to the following conditions:

- Closures have been applied by a certified applicator to all openings on the paraquat container, including tank cars, so the closures are secured against loosening and prevent any non-negligible release of paraquat from the openings.
- Each opening on portable containers containing non-negligible amounts of paraquat must have a tamper-evident device applied by a certified applicator, a one-way valve, or both for portable refillable containers used to sell or distribute pesticides.
- Containers of paraquat not permanently attached to a motor vehicle must be secured against shifting, including relative motion between packages, within the vehicle.
- Truck drivers who are not certified applicators must not transfer paraquat or any formulation containing paraquat into or out of the container or tank car.
- Truck drivers who are not certified applicators must have no contact with or access to paraquat or any formulation containing paraquat.
- Any full or emptied portable containers of paraquat must be delivered to a certified applicator, to a secured and locked storage facility controlled by the certified applicator, or to a licensed waste disposal facility.

- A certified applicator must ensure that truck drivers understand the risks associated with paraquat, the consequences of misuse, and the conditions outlined herein.

AGRICULTURAL USE REQUIREMENTS

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

If the REI and PHI for a use are different values, users are required to adhere to the longer interval.

For all applications except cotton desiccation: Do not enter or allow worker entry into treated areas during the **restricted entry interval (REI) of 48 hours**.

For cotton desiccation applications: Do not enter or allow worker entry into treated areas during the **restricted-entry interval (REI) of 7 days**.

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

- Coveralls
- Waterproof gloves, except wear chemical-resistant gloves (Barrier Laminate, Nitrile Rubber \geq 14 mils, Neoprene Rubber \geq 14 mils, or Viton[®] \geq 14 mils gloves) when mixed with oil
- Shoes plus socks
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

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

DO NOT enter or allow others to enter the treated area until sprays have dried. AVOID working in spray mist.

Keep all unprotected persons out of operating areas or vicinity where there may be danger of drift. Certain states may require more restrictive reentry intervals; consult your State Department of Agriculture for further information.

PRODUCT USE INSTRUCTIONS AND INFORMATION

FOR CONTAINERS WITH CAPACITIES LESS THAN 120 GALLONS: This product must only be removed from the original container with a closed transfer system. Any subsequent transfer of this product must utilize a closed transfer system. Any attempt to circumvent the closed transfer system is prohibited.

FOR CONTAINERS WITH CAPACITIES GREATER THAN OR EQUAL TO 120 GALLONS: A closed transfer system is not required. Do not apply this product through any type of irrigation system.

When this product is applied at less than 10.0 gallons per acre finished spray volume, a drift control or spray deposition additive SHOULD be used. Refer to the additive label for rates of applications, directions for use, limitations, and restrictions.

WEED RESISTANCE MANAGEMENT

For resistance management, **Tigris Paraquat** is a Group 22 herbicide. Any weed population may contain or develop plants naturally resistant to **Tigris Paraquat** and other Group 22 herbicides. Weed species with acquired resistance to Group 22 herbicides may eventually dominate the weed population if Group 22 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by **Tigris Paraquat** or other Group 22 herbicides. Users should scout before and after application.

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.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of **Tigris Paraquat** or other Group 22 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as

the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.

- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact your local Tigris LLC representative.

Report any incidence of non-performance of this product against a particular weed species to your retailer, or representative. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemicals means to remove escapes, as practical, with the goal of preventing further seed production.

INTEGRATED PEST MANAGEMENT

Tigris Paraquat may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your State cooperative extension service, professional consultants, or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications:

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Do not apply within 50-75 feet of a residential area. (For applications of more than 0.6 lbs. cation/A, a buffer of 75 feet is required. For applications of 0.6 lbs. cation/A or lower, a buffer of 50 feet is required.) Residential areas include schools, homes, playgrounds, parks, athletic fields, residential lawns, gardens, and other areas where children may be present.
- Applicators are required to use a medium or coarser droplet size (ASABE S641).
- Do not apply when wind speeds exceed 10 mph at the application site. Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Do not apply during temperature inversions.

Ground Boom Applications:

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Select nozzle and pressure that deliver medium or coarser droplet size (ASABE S641).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS. The interaction of equipment- and weather-related factors determine the potential for drift. The applicator is responsible for considering these factors when making an application decision.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest 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.

Controlling Droplet Size – Aircraft

- Adjust Nozzles - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

Controlling Droplet Size – Ground Boom

- 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.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

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.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

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.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Boomless Ground Applications:

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Sensitive Areas

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

PRODUCT USE INFORMATION

This product is a liquid formation containing 3.0 pounds of active ingredient per gallon. It contains a nontoxic odor to help prevent accidental ingestions. It also contains an emetic (an agent which will induce vomiting if the product is swallowed).

APPLICATION

This product is a contact herbicide for control or suppression of a broad-spectrum of emerged weeds including most small annual broadleaf and grass weeds. It can also be used to suppress perennial weeds by destroying green foliage and as a desiccant/defoliant at harvest.

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

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

There is no residual soil activity to affect later-planted crops or later germinating weeds because clay and organic matter rapidly tie up this product.

ROTATIONAL CROPS

After the last application of this product, all rotational crops may be planted immediately.

RAINFESTNESS

Rain occurring 30 minutes or more after application will have no effect on the activity of this product because it is rapidly absorbed by the weed foliage.

USE OF A NONIONIC SURFACTANT OR CROP OIL CONCENTRATE

The following should always be added and be used at the specified rates or there will be a reduction in efficacy of this product.

Nonionic Surfactant: Either add a nonionic surfactant cleared for the current use containing 50 to 74% surface-action agent at 0.25%

v/v (2.0 pints per 100 gallons), or add nonionic surfactant containing 75% or more surface-active agent at 0.125% v/v (1.0 pint per 100 gallons), of the finished spray volume for ground applications. Add a nonionic surfactant at 0.25% v/v (2.0 pints per 100 gallons) of the finished spray volume for aerial applications.

Crop Oil Concentrate: For ground applications, add a nonphytotoxic crop oil concentrate cleared for the current use that contains 15 to 20% approved emulsifier, with 1.0% v/v, (1.0 gallon per 100 gallons) of the finished spray volume. Add 1.0 pint of crop oil concentrate per acre for aerial applications. For cotton harvest aid, do not use crop oil concentrate when using this product.

NOZZLE SELECTION

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

Use only flat fan nozzles when spraying less than 20.0 gallons of spray carrier per acre using the following table.

Nozzle Type and Spray Pressure Setup

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

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

SPRAY CARRIER

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

Note: It is important that when using liquid fertilizers such as 28% N as a spray carrier, that nonionic surfactant is still be used with this product. The use of liquid fertilizer carriers are not substitutes for surfactants.

RATES OF THIS PRODUCT

With each use, follow rates listed in the following tables. When weeds are larger or are dense, use the higher specified label rates. For use as a harvest aid, use higher specified rate when crop vegetation is dense.

SPRAY VOLUME

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

TARGET WEEDS SHOULD NOT EXCEED SIX INCHES IN HEIGHT WHEN SPRAYING LESS THAN 20.0 GALLONS OF SPRAY CARRIER PER ACRE.

APPLICATION TIMING

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

BURNDOWN OF GRASS COVER CROPS OR VOLUNTEER CEREALS

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

ENVIRONMENTAL CONDITIONS

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

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

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

Photosynthetic Inhibitor Herbicides

To control difficult weeds, tank mix this product with other herbicides. The addition of other photosynthetic inhibitors (PSI) herbicides will slow the activity of this product. This allows this product to thoroughly distribute throughout a treated leaf, thus achieving better control than if this product was applied alone.

This Product may be applied in tank mixture with the following PSI herbicides:

AAtrex® Herbicide	Bicep II MAGNUM® Herbicide	Lorox® Herbicide
Atrazine Herbicide	Canopy® Herbicide	Princep® Herbicide
Bicep Lite II MAGNUM® Herbicide	Linex® Herbicide	

Improved Weed Control with PSI's

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

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

Improved Control of Perennial and Annual Broadleaf Weeds

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

Order of Tank Mixing

Mix this product and other listed products as follows:

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

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Tank mix compatibility (a.k.a., jar testing) is prohibited. Consult your Tigris, LLC representative for compatible tank mix products.

PRODUCT USE PRECAUTIONS AND RESTRICTIONS**EQUIPMENT**

This product is corrosive to aluminum. Thoroughly flush all aluminum spray equipment and aluminum aircraft structures that are exposed to spray solution or spray drift with water immediately after use.

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

PRECAUTIONS

- Unless otherwise indicated, this product will severely injure or kill crop plants emerged at time of application if they come in contact with sprays.
- To enable maximum weed and grass emergence prior to treatment, seedbeds and plant-beds should be formed as far ahead of planting and treatment as possible.
- Avoid disturbing soil when seeding or transplanting.
- Transplanted plants may become damaged when they come in contact with plastic mulch used for pre-plant weed control and that has been treated with this product. To prevent damage to the crop, sufficient wash-off such as rainfall or sprinkler irrigation prior to planting may be needed.
- This product will be ineffective in controlling or suppressing weeds and grasses that have emerged after application.

RESTRICTIONS

- Do not pasture livestock in treated fields or feed treated foliage in cotton when this product is used as a cotton harvest aid.
- Never use this product in residential or public recreational settings (e.g., homes, home gardens, schools, recreational parks, golf courses, and/or playgrounds).
- Do not apply to soils lacking clay minerals such as peat, muck, pure sand, artificial planting media for pre-plant and pre-

emergence (to the crop) uses.

- Application methods listed on this label are the only permissible application methods.
- Individual applicators must not apply this product aurally to more than 350 acres in a 24-hour period, except for cotton and soybean desiccation applications. There is no acreage limit for the treatment of cotton or soybean for desiccation purposes.
- Human flaggers must not be used when making aerial applications.
- Do not apply this product by mechanically pressurized handgun or backpack sprayer. Application by manually pressurized handwand is permitted.

[Note to reviewer: "Continued" may be added to the Crop column if the box is split due to formatting of the final printed label.]

APPLICATION INSTRUCTIONS

Crop	Weeds	Use Pattern	This Product Rate/ Acre	Minimum Total Spray Per Acre	Grazing or Pre-Harvest Interval (Days)
ALFALFA[*] (California only) New seedlings	-	Broadcast	0.7 to 1.3 pts. See Table 2.	Ground: 10.0 gals. Air: 5.0 gals.	70
<p>Directions</p> <ul style="list-style-type: none"> • Applications should be made during late winter or early spring. <p>Precautions</p> <ul style="list-style-type: none"> • Alfalfa foliage present at time of application will be burned. • Replanting may be needed due to the reduction of seedling stands. <p>Restrictions</p> <ul style="list-style-type: none"> • Do not make more than one application per year. • Do not cut or harvest within 70-days after application. • Do not apply to seedling alfalfa grown for seed. • Do not exceed 0.5 lb. cation/A for a single application. • Do not exceed 0.5 lb. cation/A per year. <p>[*][Not For Use in [California] [New York].]</p>					
ALFALFA[*] Pre-plant or Pre-emergence (No-till or conventional planting)	-	Broadcast or Banded Over Row	1.3 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
<p>Directions</p> <ul style="list-style-type: none"> • Apply prior to emergence of the crop. • Avoid disturbing soil when seeding. <p>Precaution</p> <ul style="list-style-type: none"> • Crop plants emerged at time of application will be killed. <p>Restriction</p> <ul style="list-style-type: none"> • Do not make more than 2 applications per year. • Do not exceed 1.0 lb. cation/A for a single application. • Do not exceed 1.0 lb. cation/A per year. • Minimum Retreatment Interval : 7 days. <p>[*][Not For Use in [California] [New York].]</p>					
ALFALFA[*] Dormant Season Established plantings Region A - See table at end of Alfalfa section.	Weeds, including: Bluegrass[*], chickweed[*], henbit[*], downy brome[*], Ryegrass[*], cheatgrass[*], dogfennel[*], tansy mustard[*], London Rocket[*], Sowthistle[*], rescue brome[*], wild oats[*], and other winter annuals[*]; and Suppression of perennial weeds[*].	Broadcast	1.3 to 2.0 pts.	Ground: 10.0 gals. Air: 5.0 gals.	42
<p>Directions</p> <ul style="list-style-type: none"> • After the crop is dormant, apply to well-established stands that are at least 1-year-old. • For improved and longer-lasting weed control, tank mix with metribuzin. 					

Precaution

- Yield of first cutting may be reduced because alfalfa foliage present at the time of application will be burned.

Restrictions

- Do not make more than one application per year.
- Fall Re-growth: Do not apply if last cutting is greater than 6".
- Spring Re-growth: Do not apply if last cutting is greater than 2".
- Do not exceed 0.75 lb. cation/A for a single application.
- Do not exceed 0.75 lb. cation/A per year.
- Do not cut or harvest within 42- days after application.

[*][Not For Use in [California] [New York].]

ALFALFA[*] Dormant Season Tank Mix with Velpar® L Herbicide Region A - See table at end of Alfalfa section.	Weeds, including: chickweed[*], downy brome[*], and tansy mustard[*].	Broadcast	0.7 to 1.3 pts.	Ground: 10.0 gals. Air: 10.0 gals.	42
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Directions

- When weeds are less than 4 inches tall, apply at 0.7 pint rate of this product.
- Mix this product with 1.0 to 2.0 quarts of Velpar L per acre.
- Use lower rate of Velpar L on loamy sands or sandy loams.

During the dormant season, make one application to established alfalfa stands.

Precautions

- Increased chances of crop injury may occur if stress which may be caused in part by low fertility, disease, insects, winterkill, over cutting, drought or frost.
- Temporary chlorosis-may occur on alfalfa regrowth.

Restrictions

- Do not make more than 2 applications per year.
- Fall Regrowth: Do not apply if last cutting is greater than 6 inches.
- Spring Regrowth: Do not apply if last cutting is greater than 2 inches.
- Do not apply to alfalfa during the first season after seeding.
- DO NOT USE on gravelly or rocky soils, exposed subsoils, hardpan, sand, or poorly drained alkaline soils as crop injury, including mortality, may result.
- Do not cut or harvest within 42 days after application.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 0.5 lb. cation/A per year.

[*][Not For Use in [California] [New York].]

ALFALFA[*] Dormant Season On established plantings: Region B - See table at the end of the Alfalfa section.	Weeds including: London rocket[*], sowthistle[*], rescue brome[*], wild oats[*], chickweed[*], ryegrass[*], bluegrass[*], cheatgrass[*], dogfennel[*], tansymustard[*], he nbit[*], downy brome[*], and other winter annuals[*]; and suppression of perennial weeds[*]	Broadcast	0.7 to 1.3 pts.	Ground: 10.0 gals. Air: 5.0 gals.	60
ALFALFA[*] Dormant Season On fall-seeded newly established stands less than 1-year-old: Region A - See table at the end of the Alfalfa section.	California: Desiccation of weeds including bluegrass[*], ryegrass[*], shepherd's purse[*], chickweed [*], tansy mustard[*], foxtail[*], sowthistle[*], and groundsel[*].	Broadcast	0.7 to 1.3 pts.	Ground: 10.0 gals. Air: 5.0 gals.	60
ALFALFA[*] Dormant Season On fall-seeded newly established stands less than 1-year-old: Region B - See table at the end of the Alfalfa section.	California: Desiccation of weeds including bluegrass[*], ryegrass[*], shepherd's purse[*], chickweed [*], tansy mustard[*], foxtail[*], sowthistle[*], and groundsel[*].	Broadcast	0.5 to 0.8 pt.	Ground: 10.0 gals. Air: 5.0 gals.	60

Directions

- Applications should be made before first spring cutting and during late fall or winter months after the last fall cutting.
- For improved and residual weed control in dormant established (at least 1-year-old) alfalfa, tank mix with metribuzin). Do not apply tank mix with metribuzin on alfalfa that is less than 1-year-old.

Precautions

- Applications to alfalfa that is not dormant, or has broken dormancy, may result in stand and/or yield reductions. Replanting

may be necessary. Green alfalfa foliage present at time of application will be burned.

- If there is a severe weed infestation, total hay yield of first cutting may be reduced in alfalfa fields and the reduction is typically directly proportionate to the loss of weed weight.

Restrictions

- Do not make more than one application per year.
- California: Do not apply if spring regrowth after grazing or cutting is more than 2 inches in Orange and Riverside counties, and all counties north of these counties.
- All other areas within Region B: Do not apply if regrowth after grazing or cutting is more than 2 inches.
- Do not harvest within 60 days of application.
- Do not apply more than 1.3 pt/A (0.5 lb cation/A) of this product in a single application on established plantings in Region B.
- Do not apply more than 1.3 pt/A (0.5 lb cation/A) of this product in a single application on fall-seeded newly established stands less than 1-year-old in Region A.
- Do not apply more than 0.8 pt/A (0.29 lb cation/A) of this product in a single application on fall-seeded newly established stands less than 1-year-old in Region B.
- Do not apply more than 1.3 pt/A (0.5 lb cation/A) of this product per year on established plantings in Region B.
- Do not apply more than 1.3 pt/A (0.5 lb cation/A) of this product per year on fall-seeded newly established stands less than 1-year-old in Region A.
- Do not apply more than 0.8 pt/A (0.29 lb cation/A) of this product per year on fall-seeded newly established stands less than 1-year-old in Region B.

California

- If ryegrass, shepherd’s purse, sowthistle, or groundsel are present use higher specified rate.

[*][Not For Use in [California] [New York].]

ALFALFA[*] (East of the Rocky Mountains) Between- cuttings treatment in established plantings. (Includes first year alfalfa)	Broadcast	0.7 pt.	Ground: 10.0 gals.	30
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Directions

- Make applications immediately after alfalfa has been removed for hay or silage.
- Apply as needed up to three times during the growing season in addition to a dormant application.

Precautions

- Control of weeds beyond the seedling stage and weed stubble cut off during harvest are less affected by this treatment.
- A reduction in first year alfalfa stands and yields may occur if alfalfa is allowed to regrow more than 2 inches.
- Burning of alfalfa foliage will occur at time of application.
- Weed control may be reduced where moisture is limited such as in arid climates.

Restrictions

- Do not make more than 3 applications per year.
- Minimum Retreatment Interval; Do not exceed 1 treatment between cuttings.
- Do not cut or harvest within 30 days of application.
- Do not make more than 2 applications during the first growing season of first-year alfalfa.
- Do not exceed 0.26 lb. cation/A for a single application.
- Do not exceed 0.75 lb. cation/A per year.

[*][Not For Use in [California] [New York].]

Table 2. ALFALFA: New Seedlings - Suppression and control of broad leaf weeds and grasses in new alfalfa seedlings grown for hay (California only). [1]

For control of:	Rate/Acre*	
	For Suppression	For Control
Annual Bluegrass[1]	-	10.7 to 21.3 fl. oz.
Chickweed[1]	-	10.7 to 21.3 fl. oz.
Fiddleneck[1] (6 inches tall or less)	5.4 to 10.7 fl. oz.	21.3 fl. oz.
Red Maids[1] (6 inches tall or less)	-	10.7 to 21.3 fl. oz.
Shepherd’s Purse[1]	10.7 to 21.3 fl. oz.	-
Spikeweed[1] (4 inches tall or less)	5.4 fl. oz.	10.7 to 16.0 fl. oz.
Volunteer Small Grain[1] (8 inches, tall or less)	5.4 to 10.7 fl. oz.	21.3 fl. oz.

*Use the 5.4 fluid ounce rate only when alfalfa has at least 3 trifoliate leaves; use the 10.7 fluid ounce rate only when alfalfa has 6 trifoliate leaves; or use rates over 10.7 fluid ounce only when there are 9 trifoliate leaves.

[1][Not For Use in [California] [New York].]

Alfalfa - Regions

REGION A

Alaska, California (counties of Del Norte, Siskiyou, Modoc, Shasta, Lassen, Plumas, Sierra and Nevada), Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming

REGION B

Alabama, Arizona, Arkansas, California (all other counties not listed in Region A), Florida, Georgia, Hawaii, Louisiana, Mississippi; New Mexico, North Carolina, Oklahoma, South Carolina, Tennessee, Texas

Crop	Use Pattern	This Product Rate/ Acre	Minimum Total Spray/Acre	Grazing or Pre- Harvest Interval (Days)
ALMONDS[*]	Directed Spray	0.8 to 2.7 pts.	Ground: 10.0 gals.	-
Directions <ul style="list-style-type: none"> Avoid allowing spray to contact green stems (except suckers) or foliage. When spraying around young trees use a shield or wrap plant. Precaution <ul style="list-style-type: none"> Retreatment or spot treatments may be necessary for mature woody weeds, perennial weeds, late germinating weeds, and green suckers. Restrictions <ul style="list-style-type: none"> Do not make more than 5 applications per year. Do not graze treated areas and do not feed cover crops grown in treated areas to livestock. Do not apply when nuts to be harvested are on the ground. Applications must be made at least 7 days apart. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 5.0 lbs. cation/A per year. 				
[*][Not For Use in [California] [New York].]				
ARTICHOKE (GLOBE)[*]	Directed Spray	1.7 to 2.7 pts.	Ground: 20.0 to 100 gals.	1
Restrictions <ul style="list-style-type: none"> Do not make more than 3 applications per year. Do not exceed 8.0 pints per year. Do not harvest within 24 hours of last application. Applications must be made at least 7 days apart. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 2.0 lbs. cation/A per year. 				
[*][Not For Use in [California] [New York].]				
ASPARAGUS[*]	Pre-plant or Pre-emergence Broadcast or Banded Over-Row	1.7 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	6
Directions <ul style="list-style-type: none"> Application should be made prior to emergence of the crop. Precaution <ul style="list-style-type: none"> Emerged asparagus at time of application will be killed. Restriction <ul style="list-style-type: none"> Do not make more than 1 applications per year. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 1.0 lb. cation/A per year. Pre-Harvest Interval: 6 days. 				
[*][Not For Use in [California] [New York].]				
ASPARAGUS[*] Pre-emergence to established plantings at least 2-years-old	Broadcast or Banded Over-Row	1.7 to 2.7 pts.	Ground: 10.0 gals.	6
Directions <ul style="list-style-type: none"> Application should be made prior to emergence of the crop or after last harvest. Precaution <ul style="list-style-type: none"> Emerged asparagus at time of application will be killed. Restriction <ul style="list-style-type: none"> Do not make more than 1 applications per year. Do not exceed 1.0 lb. cation/A for a single application. 				

<ul style="list-style-type: none"> Do not exceed 1.0 lb. cation/A per year. Pre-Harvest Interval: 6 days. <p>[*][Not For Use in [California] [New York].]</p>				
BEANS, DRY[*] Adzuki beans[*] Asparagus beans[*] Black beans[*] Broad beans[*] Field beans[*] Garbanzo beans[*] Grain lupin[*] Guar[*] Kidney beans[*] Lablab beans[*] Moth beans[*] Mung beans[*] Navy beans[*] Pinto beans[*] Rice beans[*] Sweet lupin[*] Tepary beans[*] Urd beans[*] White sweet lupin[*] White lupin[*] PEAS, DRY[*] Blackeyed peas[*] Catjang[*] Chickpeas[*] Cowpeas[*] Crowder peas[*] Southern peas[*]	Harvest-Aid	0.8 to 1.3 pts.	Ground: 20.0 gals. Air: 5.0 gals.	7
Directions <ul style="list-style-type: none"> Add nonionic spreader at 1.0 quart per 100 gallons of spray mix. Use a single application of the higher specified rate for vining type beans or bush type with lush growth. May also be applied as a split application and improve vine coverage. However, do not make more than 2 applications per year or exceed a total of 1.3 pints per acre. Apply when at least 80% of the pods are yellowing and mostly ripe and when leaves are no more than 40% of bush type peas or beans or 30% of vine type peas or beans are green. Restrictions <ul style="list-style-type: none"> Do not make more than 2 applications per year. Do not apply when weather conditions favor spray drift. To reduce drift, a drift control agent may be included. Not registered for use in dry beans and dry peas in California. Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 0.5 lb. cation/A per year. Pre-Harvest Interval: 7 days. <p>[*][Not For Use in [California] [New York].]</p>				
BERRIES[*] Blackberry[*] Blueberry[*] Boysenberry[*] Currant[*] Elderberry[*] Gooseberry[*] Huckleberry[*] Loganberry[*] Raspberry[*]	Post-emergence Directed Spray	1.3 to 2.7 pts.	Ground: 50 gals.	-
Directions <ul style="list-style-type: none"> Apply before emergence of new canes or shoots to avoid injury. Apply as a coarse spray to prevent crop injury. Restriction <ul style="list-style-type: none"> Do not make more than 2 applications per year. Minimum Retreatment Interval: 7 days. 				

<ul style="list-style-type: none"> Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 1.0 lb. cation/A per year. <p>[*][Not For Use in [California] [New York].]</p>				
CACAO[*]	Directed Spray	1.3 to 2.7 pts.	Ground: 50.0 to 200 gals.	1
<p>Directions</p> <ul style="list-style-type: none"> Apply when weeds are succulent and growth is from 1 to 6”. Use a shield for young trees to prevent sprays from contacting cacao plants, as injury may result. <p>Precaution</p> <ul style="list-style-type: none"> Retreatment or spot treatments may be necessary for mature woody weeds, late-germinating weeds, and grasses and for perennials. <p>Restrictions</p> <ul style="list-style-type: none"> Do not make more than 5 applications per year. Do not spray under windy conditions. Do not graze treated areas or feed treated cover crops to livestock. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 2.0 lbs. cation/A per year. Pre-Harvest Interval: 1 day. <p>[*][Not For Use in [California] [New York].]</p>				
CASSAVAS, TANIERS & YAMS (Puerto Rico only)	Shielded Post-Directed Spray	1.3 pts.	Ground: 50.0 gals.	90
<p>Directions</p> <ul style="list-style-type: none"> Make applications when weeds are succulent and growth is 1 to 6 inches. Prevent spray from contacting crop to prevent injury to crop. <p>Restrictions</p> <p>Cassavas and Taniers:</p> <ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 1.5 lbs. cation/A per year. <p>Yams:</p> <ul style="list-style-type: none"> Do not make more than 2 applications per year. Do not spray under windy conditions. Do not graze treated areas or feed treated forage to livestock. Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 1.0 lb. cation/A per year. Pre-Harvest Interval: 90 days. 				

Product Information for Chemical Fallow

- As the density of stubble, crop residue or weeds increases, use higher spray volumes for better coverage.
- To control volunteer wheat or downy brome, fall-applied treatments generally work best with this product. If possible, tank mix with atrazine for maximum burndown and residual control.
- Apply from immediately after harvest up to emergence of the newly seeded crop as a broadcast or band treatment.
- Before applying this product, cut wheat as high as possible to avoid cutting weeds too short, and allow the weeds to grow at least 2 to 3 inches after harvest.
- The addition of dicamba or 2,4-D ester (Low Volatile) may aid in the suppression of emerged perennial broad leaf weeds and large annual broadleaf weeds.
- It is permissible to tank mix with registered residual herbicide combinations other than those listed for extended weed control during the fallow period.
- Weeds and grasses emerging after application and weeds taller than 6 inches will not be controlled.
- Crop plants emerged at the time of application will be killed.
- The minimum total spray per acre allowed is 5.0 gallons for ground and 5.0 gallons for air applications.
- Apply 5.0 to 60.0 gallons spray mix per acre by ground application.
- When applying at less than 10.0 gallons per acre by ground:
 - Do not apply with floaters or exceed a speed of 10 mph.
 - Apply with flat fan nozzles at 30 to 40 psi.
 - Apply only in a tank mix with atrazine at a minimum of 0.5 pound active ingredient per acre.
 - By air: apply in 5.0 to 10.0 gallons of spray mix per acre.

Crop	Use Pattern	This Product Rate/Acre	Minimum Total Spray/Acre	Grazing or Pre-harvest Interval
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				(Days)
CHEMICAL FALLOW[*] Continuous Wheat[*] (2 to 3 month Recropping interval)	Broadcast	Weeds 1 to 3": 1.3 to 1.7 pts. Weeds 3 to 6": 1.7 to 2.0 pts. Weeds 6": 2.0 to 2.7 pts.	Ground: 5.0 gals. Air: 5.0 gals.	-
Directions <ul style="list-style-type: none"> Apply at least 45 days before seeding. For volunteer wheat or downy brome control in spring, use at least 1.3 pints of this product per acre with a Photosynthetic Inhibitor Herbicide. Refer to the section "Product Information for Chemical Fallow". 				
Restriction <ul style="list-style-type: none"> Do not make more than 2 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 2.0 lbs. cation/A per year. 				
[*][Not For Use in [California] [New York].]				
CHEMICAL FALLOW[*] Wheat-Fallow[*] - Wheat Rotations (Fall applied after harvest: Seeded 12 to 14 months later)	Broadcast	Weeds 1 to 3": 1.3 to 1.7 pts. Weeds 3 to 6": 1.7 to 2.0 pts. Weeds 6": 2.0 to 2.7 pts.	Ground: 5.0 gals. Air: 5.0 gals.	-
Directions <ul style="list-style-type: none"> Spray before weeds produce seeds. Control of volunteer wheat and downy brome increases when applications are made late August or early September. For improved burndown and residual control of weeds, tank mix with Atrazine, Marksman® Herbicide, or Command® Herbicide. For improved burndown and residual control of grass and broadleaf weed, tank mix with metribuzin. Refer to the section "Product Information for Chemical Fallow". 				
Restriction <ul style="list-style-type: none"> Do not make more than 2 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 2.0 lbs. cation/A per year. 				
[*][Not For Use in [California] [New York].]				
CHEMICAL FALLOW[*] Wheat-Fallow[*] - Wheat Rotations (Spring applied: Seeded 3 to 5 months later)	Broadcast	Weeds 1 to 3": 1.3 to 1.7 pts. Weeds 3 to 6": 1.7 to 2.0 pts. Weeds 6": 2.0 to 2.7 pts.	Ground: 5.0 gals. Air: 5.0 gals.	-
Directions <ul style="list-style-type: none"> To conserve moisture, application should be made March 1 to April 15, prior to spring rains. Even though moisture loss is greater when applications are made after the boot stage, volunteer wheat is easier to control after this stage. For volunteer wheat or downy brome control in spring, use at least 1.3 pint of this product per acre with a Photosynthetic Inhibitor Herbicide. Refer to the section "Product Information for Chemical Fallow". For burn down and residual control of grass and broadleaf weeds, tank mix with metribuzin. 				
Restriction <ul style="list-style-type: none"> Do not make more than 2 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 2.0 lbs. cation/A per year. 				
[*][Not For Use in [California] [New York].]				
CHEMICAL FALLOW[*] Wheat-Annual[*] Crop ₁ - Wheat Rotations (Fall applied in wheat stubble)	Broadcast	Weeds 1 to 3": 1.3 to 1.7 pts. Weeds 3 to 6": 1.7 to 2.0 pts. Weeds 6": 2.0 to 2.7 pts.	Ground: 5.0 gals. Air: 5.0 gals.	-
¹ Approved Annual Crops are grain sorghum, corn, wheat, or proso millet.				
Directions <ul style="list-style-type: none"> For improved burndown and residual weed control, tank mix with Atrazine or Marksman. Make applications after wheat harvest and before weeds produce seed. 				

- If grasses such as foxtails or barnyardgrass recover, respray before seed production.
- Applications made late August to November help control volunteer wheat and downy brome.
- Refer to the section “Product Information for Chemical Fallow”.

Restriction

- Do not make more than 2 applications per year.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 1.0 lb. cation/A for a single application.
- Do not exceed 2.0 lbs. cation/A per year.

[*][Not For Use in [California] [New York].]

CHEMICAL FALLOW [*] Wheat-Annual[*] Crop - Wheat Rotations (Spring applied prior to planting an annual crop ₁)	Broadcast	Weeds 1 to 3’’: 1.3 to 1.7 pts. Weeds 3 to 6’’: 1.7 to 2.0 pts. Weeds 6’’: 2.0 to 2.7 pts.	Ground: 5.0 gals. Air: 5.0 gals.	-
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₁ Approved Annual Crops are grain sorghum, corn, wheat, or proso millet.

Directions

- For enhanced burndown and residual weed control, tank mix with Atrazine.
- For volunteer wheat or downy brome control in spring, use at least 1.3 pint of this product per acre with a Photosynthetic Inhibitor Herbicide.
- Refer to the section “Product Information for Chemical Fallow”.
- Refer to the Atrazine label for directions pertaining to soil pH and recropping intervals.

Restriction

- Do not make more than 2 applications per year.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 1.0 lb. cation/A for a single application.
- Do not exceed 2.0 lbs. cation/A per year.

[*][Not For Use in [California] [New York].]

Crop	Weeds	Use Pattern	This Product Rate/Acre	Minimum Total Spray/Acre	Grazing or Pre-harvest Interval (Days)
CLOVER [*] AND OTHER LEGUMES [*] Including velvetbean[*], lespedeza[*], lupine[*], sainfoin[*], trefoil[*], vetch[*], crown vetch[*], and milk vetch[*]. Dormant Season: On established plantings: Region A - See table at end of Alfalfa section.	For desiccation of weeds, including London rocket[*], sowthistle[*], rescue brome[*], wild oats[*], chickweed[*], ryegrass[*], bluegrass[*], cheatgrass[*], dogfennel[*], tansymustard[*], henbit[*], downy brome[*], and other winter annuals[*], and suppression of perennial weeds. California: Use for desiccation of weeds including bluegrass[*], ryegrass[*], shepherd’s purse[*], chickweed[*], tansy mustard[*], foxtail[*], sowthistle[*], and groundsel[*].	Broadcast	1.3 to 2.1 pts.	Ground: 10.0 gals. Air: 5.0 gals.	60
Dormant Season: On established plantings[*]: Region B - See table at end of Alfalfa section.		Broadcast	0.7 to 1.3 pts.	Ground: 10.0 gals. Air: 5.0 gals.	60
Dormant Season: On fall- seeded Newly established stands less than 1-year- old[*]: Region A - See table at end of Alfalfa section.		Broadcast	0.7 to 1.3 pts.	Ground: 10.0 gals. Air: 5.0 gals.	60
Dormant Season: On fall-seeded Newly		Broadcast	0.5 to 0.8 pt.	Ground: 10.0 gals. Air: 5.0 gals.	60

established stands less than 1-year- old[*]: Region B - See table at end of Alfalfa section.					
<p>Directions</p> <ul style="list-style-type: none"> Applications should be made during late fall or winter months after the last cutting and before first spring cutting. [In California: If ryegrass, shepherd’s purse, sowthistle or groundsel are present, use higher specified rate.] <p>Precautions</p> <ul style="list-style-type: none"> CAUTION: Stand and/or yield reductions may occur when applications are made to clover or other legumes that are not dormant, or have broken dormancy. Therefore, it may be necessary to replant. Burning will occur to green clover or other legumes foliage present at the time of application. Discoloration and temporary stunting will occur in clover or other legumes foliage present at the time of application. If there is severe weed infestation, the total hay yield of first cutting may be reduced in clover or other legumes fields and is usually directly proportionate to the loss of weed weight. <p>Restrictions</p> <ul style="list-style-type: none"> Do not make more than 1 application per year. Do not apply if regrowth after grazing or cutting is more than 2 inches. Do not harvest within 60 days of application. Do not exceed 0.75 lb. cation/A for a single application. Do not exceed 0.75 lb. cation/A per year. Pre-Harvest Interval: 60 days. <p>[*][Not For Use in [California] [New York].]</p>					

Crop	Use Pattern	This Product Rate/Acre	Minimum Total Spray/Acre	Grazing or Pre-Harvest Interval (Days)
CORN[*], FIELD CORN[*], POPCORN[*], SWEET CORN[*], SEED CORN[*] (Used alone)	Pre-plant or Pre-emergence Broadcast or Banded Over Row	Weeds 1 to 3”: 1.3 to 1.7 pts. Weeds 3 to 6”: 1.7 to 2.0 pts. Weeds 6”: 2.0 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
<p>Directions</p> <ul style="list-style-type: none"> Includes field, fresh sweet, forage, fodder, and popcorn. To permit maximum weed and grass emergence, seedbeds should be formed as far ahead of planting and treatment as possible. Seeding should be done with a minimum amount of soil disturbance. <p>Precaution</p> <ul style="list-style-type: none"> Control will not occur when applications are made after weeds and grasses have emerged. However, crop plants emerged at time of application will be killed. <p>Restriction</p> <ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. <p>[*][Not For Use in [California] [New York].]</p>				
CORN[*] Tank mixes for no-till/ reduced till	Pre-plant or Pre-emergence Broadcast or Banded Over Row	Weeds 1 to 3”: 1.3 to 1.7 pts. Weeds 3 to 6”: 1.7 to 2.0 pts. Weeds 6”: 2.0 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
<p>Directions</p> <ul style="list-style-type: none"> Make applications as broadcast sprays before, during or after planting, but before crop emergence. This product may be tank mixed with the following herbicides for improved burndown or residual control: 2,4-D Ester (Low Volatile), Harness®, Harness® Extra, AAtrex®/Atrazine, Banvel + Atrazine®, Linex®, Bicep II MAGNUM®, Lorox®, Bicep Lite II MAGNUM®, Princep®, Dual MAGNUM, Stealth®, Frontier®, Simazine®, Guardsman®, Surpass® EC, Harmony® Extra Herbicide, Surpass® 100, (Pre-plant only) Topnotch®. This product may also be tank mixed with Ambush® insecticide. It is the pesticide user’s responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. Always refer to respective product label(s) to confirm if these products can be applied by air. <p>Restriction</p> <ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. 				

<ul style="list-style-type: none"> Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. <p>[*][Not For Use in [California] [New York].]</p>				
FIELD CORN[*], POPCORN[*], SWEET CORN[*], SEED CORN[*]	Post-emergence Directed Spray (including Hooded or Shielded)	0.7 to 1.3 pts.	Ground: 10.0 gals.	14
<p>Directions</p> <ul style="list-style-type: none"> Applications should be made when weeds are actively growing. Use a higher specified rate on larger or hard to control weeds. Weeds 6 inches or taller may not be controlled. <p>Precaution</p> <ul style="list-style-type: none"> Severe damage and/or complete kill can occur if spray contacts corn plants. <p>Restriction</p> <ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 1.5 lbs. cation/A per year. Pre-Harvest Interval: 14 days <p>DIRECTIONS FOR HOODED OR SHIELDED SPRAYERS</p> <ul style="list-style-type: none"> Use a hooded or shielded sprayer with skids or wheels on the spray boom to maintain spray height in order to prevent excessive crop phytotoxicity. Apply by directing spray between the rows and using hooded or shielded sprayers to prevent spray contact with crop plants. <p>DIRECTIONS FOR DIRECT SPRAY WITHOUT HOODED OR SHIELDED SPRAYERS (Corn height is measure from soil surface to top of whorl)</p> <p>Directions</p> <ul style="list-style-type: none"> Apply when corn is at least 10 inches tall with nozzles arranged to spray, no higher than the lower 3 inches of corn stalks. For corn more than 20 inches tall: Arrange the nozzles to spray no higher than the lower 1/3 of the corn stalks. <p>Precautions</p> <ul style="list-style-type: none"> Corn plants shorter than 10 inches may be injured and not recover. Injury to corn foliage will occur if sprayed. However, corn will recover and develop normally. <p>[*][Not For Use in [California] [New York].]</p>				
FIELD CORN[*], POPCORN[*], SEED CORN[*]	Harvest Aid Broadcast	0.8 to 1.3 pts.	Ground: 20.0 gals. Air: 5.0 gals.	7
<p>Directions</p> <ul style="list-style-type: none"> Apply after the corn is mature. This is indicated by a black layer which forms at the base of the kernels. You may consult your local agricultural authority for help in identifying the black layer. Add nonionic surfactant containing at least 75% surface active ingredient at 0.25% v/v. To desiccate mature broadleaf weeds and grasses or broadleaf weeds and grasses that are taller than 18 inches, use 1.3 pts. <p>Precaution</p> <ul style="list-style-type: none"> Drought stressed plants, especially broadleaf weeds, can be difficult to kill, and desiccation may not be complete. <p>Restriction</p> <ul style="list-style-type: none"> Do not make more than one application per year. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 0.5 lb. cation/A per year. Pre-Harvest Interval: 7 days. <p>[*][Not For Use in [California] [New York].]</p>				
FIELD CORN[*] ONLY (grain, fodder, forage)	Post-emergence Directed Spray USDA Witchweed Eradication Program	1.3 pts.	Ground: 10.0 gals.	14
<p>Directions</p> <ul style="list-style-type: none"> If regrowth occurs, initiate sprays in late June to early July and repeat in early August. Follow application instructions in post-emergence directed spray section above. <p>Restriction</p> <ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 1.5 lbs. cation/A per year. Pre-Harvest Interval: 14 days. 				

[*][Not For Use in [California] [New York].]				
FIELD CORN[*] ONLY (grain, fodder, forage) 2,4-D Amine AE Tank Mix	Post-emergence Directed Spray USDA Witchweed Eradication Program	5.4 fl. oz. + 0.5 lb. 2,4-D 2,4-D Amine AE	Ground: 10.0 gals.	14
Directions				
<ul style="list-style-type: none"> Apply as directed spray onto grassy weeds and witchweed before witchweed blooms. If regrowth occurs, reapply. Follow application instructions in post-emergence directed spray section above. 				
Restriction				
<ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 1.5 lbs. cation/A per year. Pre-Harvest Interval: 14 days. 				
[*][Not For Use in [California] [New York].]				
COTTON:				
For all cotton uses, do not exceed 8.0 pints of this product (3.0 pounds active ingredient) per acre per year.				
COTTON[*] (Used alone)	Pre-plant or Pre-emergence	1.7 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
Directions				
<ul style="list-style-type: none"> Apply prior to, during or after planting but before crop emergence. For fallow bed treatment, beds should be pre-formed to permit maximum weed and grass emergence prior to treatment. Seeding should be done with a minimum of soil disturbance. 				
Restriction				
<ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. 				
[*][Not For Use in [California] [New York].]				
COTTON (California only; Used alone)	Pre-plant	5.4 to 10.7 fl. oz.	Ground: 10.0 gals. Air: 5.0 gals.	-
Directions				
<ul style="list-style-type: none"> For control of volunteer barley in preformed seedbeds. 				
Restriction				
<ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. 				
COTTON[*] Goal® Herbicide Tank Mix	Pre-plant or Fallow Bed Broadcast	1.7 to 2.7 pts.	Ground: 10.0 gals. Air: 10.0 gals.	-
Directions				
<ul style="list-style-type: none"> Refer to the Goal label for weeds controlled, rates of applications, and directions for use, limitations, and restrictions. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. 				
Restriction				
<ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. 				
[*][Not For Use in [California] [New York].]				
COTTON[*] Other Tank Mixes	Pre-plant or Pre-emergence	1.7 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
Directions				
<ul style="list-style-type: none"> Apply as a broadcast spray before, during or after planting, but before crop emergence. For improved residual control or burndown, this product may be tank mixed with the following herbicides: Caparol® Herbicide, Cotoran® Herbicide, Dual MAGNUM®, Harmony Extra (Pre-plant Only), MSMA, Stealth®, Solicam® Herbicide. When tank mixing with flumeturon, follow mixing instructions carefully, maintain constant agitation, and see Order of Tank Mixing section in respective labels. 				
Restriction				
<ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. 				

<ul style="list-style-type: none"> Do not exceed 3.0 lbs. cation/A per year. [*][Not For Use in [California] [New York].]				
COTTON[*]	Post-emergence Directed Spray (Hooded or Shielded)	0.8 to 1.3 pts.	10.0 gals.	-
Directions <ul style="list-style-type: none"> Apply when weeds are actively growing and between 1 to 6 inches 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. AVOID CONTACT WITH CROP. Intentional or accidental contact, including, drift, of this product with the crop may result in severe damage or loss of the crop. Apply by directing spray between the rows using hooded or shielded sprayers to prevent contact with the crop plant. This product may be tank mixed with other post-emergence directed herbicides. Unless otherwise directed on this label, refer to tank mix product labels for rates, directions, limitations, and precautions. Precautions <ul style="list-style-type: none"> Equipment should be in good operating condition. Avoid leakage or dripping onto crop. Variation in equipment design may affect the level of weed control. Keep hoods or shields adjusted to ensure adequate contact with weeds while shielding the crop from the herbicide. To minimize drift, do not use nozzles or nozzle configurations or adjuvants which produce fine spray droplets (mist). Restriction <ul style="list-style-type: none"> Do not make more than 3 applications per year. If multiple applications are made, allow 14 days between applications. [*][Not For Use in [California] [New York].]				

COTTON Harvest Aid Use

Precautions

- May be tank mixed with other cotton harvest aid materials known to be effective by a local expert. Unless otherwise instructed in this label, always refer to the respective product label(s) for rates of applications, directions for use, limitations, and restrictions. This product can be applied in a tank mix with methyl parathion and/or Karate® insecticide. Always refer to the respective product label(s) for rates of applications, directions for use, limitations, and restrictions.
- Nodes above cracked bolls (NACB) timing is for guidance and is not intended to restrict the local expert in their use of the product.

Restrictions

- Do not make more than 4 applications per year.
- Do not pasture livestock in treated fields or feed treated foliage.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 0.5 lbs. cation/A per year.
- Repeat application if necessary. Do not exceed a total of 1.3 pints per acre as a harvest aid.

Crop	Use Pattern	This Product Rate/Acre	Minimum Total Spray/Acre	Grazing or Pre-harvest Interval (Days)
SOUTHERN COTTON[*] Harvest aid for boll opening and defoliation (Tank mix with phosphate and chlorate defoliant)	Broadcast	5.4 fl. oz. + 1 pt. phosphate or 1.0 gal. chlorate	Ground: 10.0 gals. Air: 5.0 gals.	3
Directions <ul style="list-style-type: none"> Apply when 80% or more of the bolls are open and the remaining bolls to be harvested are mature. Precaution <ul style="list-style-type: none"> Development of immature bolls will be inhibited. Restriction <ul style="list-style-type: none"> Do not make more than 4 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 0.5 lbs. cation/A per year. Pre-Harvest Interval: 3 days. [*][Not For Use in [California] [New York].]				
SOUTHERN COTTON[*] Additional tank mixes for boll opening and defoliation	Broadcast	2.1 to 3.3 fl. oz.	Ground: 10.0 gals. Air: 5.0 gals.	3

Directions

- This product may be tank mixed with the following products to aid in defoliation and opening of mature bolls: Accelerate® Defoliant, Def® Defoliant, Dropp® Defoliant, Ethephon Plant Growth Regulator, Folex® Defoliant, Harvade®, Harvest Growth Regulator, Prep™ PGR.
- Apply when 60% or more of the bolls are open and the remaining bolls to be harvested are mature.

Precaution

- Development of immature bolls will be inhibited.

Restriction

- Do not make more than 4 applications per year.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 0.5 lbs. cation/A per year.
- Pre-Harvest Interval: 3 days.

[*][Not For Use in [California] [New York].]

SOUTHERN COTTON[*] Post-Defoliation - To aid in opening of mature bolls and to desiccate green weeds.	Broadcast	0.7 to 1.3 pts.	Ground: 10.0 gals. Air: 5.0 gals.	3
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Directions

- If weed infestation is heavy or dense, use higher specified rate.
- Apply when 75% or more of bolls are open and remaining bolls to be harvested are mature.
- After a defoliation or conditioning application has been made, delay desiccation application of this product approximately 3 to 7 days to minimize leaf sticking.

Precaution

- Development of immature bolls will be inhibited.

Restriction

- Do not make more than 4 applications per year.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 0.5 lb. cation/A per year.
- Pre-Harvest Interval: 3 days.

[*][Not For Use in [California] [New York].]

WESTERN COTTON[*] Harvest aid for boll opening and early defoliation	Broadcast	3.7 to 5.4 fl. oz. + phosphate or sodium chlorate; and/ or other compatible harvest aid products.	Ground: 10.0 gals. Air: 5.0 gals.	7
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Directions

- On rank cotton, use higher specified rate.

Precautions

- 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).
- Development of immature bolls will be inhibited.

Restrictions

- Do not make more than 4 applications per year.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 0.5 lb. cation/A per year.
- Pre-Harvest Interval: 7 days.
- Do not use more than 5.4 fl. oz. of this product for early defoliation as excessive desiccation may occur.
- Do not use more than 4.0 pounds of actual sodium chlorate defoliant per acre at this early defoliation timing.

[*][Not For Use in [California] [New York].]

WESTERN COTTON[*] Harvest aid for boll opening and Mid-to-late defoliation	Broadcast	5.4 to 10.7 fl. oz. alone or tank mix with sodium chlorate or phosphate defoliation and/or other compatible harvest aid products.	-	7 (Alone)
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Directions

- Use the 10.7 fl. oz. rate of this product in desert cotton areas or on rank vigorous cotton.

Precautions

- Mid-to-late defoliation timing is when 75% or more of the bolls are open and the remaining bolls to be harvested are mature (approximately 3 or fewer NACB).
- Development of immature bolls will be inhibited.

Restriction

- Do not make more than 4 applications per year.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 0.5 lb. cation/A per year.
- Pre-Harvest Interval: 7 days.

[*][Not For Use in [California] [New York].]

COTTON[*] Stripper or Spindle Harvested Harvest aid for defoliation and boll opening	Broadcast	2.1 to 7.5 fl. oz.	Ground: 10.0 gals. Air: 5.0 gals.	3
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Directions

- BECAUSE OF EXTREMES IN ENVIRONMENTAL AND PLANT CONDITIONS, APPLY THE RANGE OF RATES ON A SMALL BLOCK TO DETERMINE THE RATE THAT BEST FITS YOUR NEEDS.
- Apply when 75% of the bolls are open and the remaining bolls to be harvested are mature.
- This product may be applied alone or tank mixed with the following cotton harvest aids: Accelerate Defoliant®, Def Defoliant®, Dropp Defoliant®, Ethephon Plant Growth Regulator, Folex Defoliant®, Harvade® Harvest Growth Regulator, Prep™ PGR.
- May be applied as a split application.
- To avoid leaf sticking, apply this product as a desiccant approximately 3 to 7 days after defoliant or a conditioning application.
- South of Interstate-10 in Texas, where temperatures are typically higher during defoliation, lower rates in the range may be necessary.

Precautions

- DEVELOPMENT OF IMMATURE BOLLS WILL BE INHIBITED. SLICE BOLLS AND INSPECT THE SEED FOR MATURITY.
- Cooler temperatures may cause a longer waiting period between application of this product as a desiccant and defoliation/conditioner.

Restrictions

- Do not make more than 4 applications per year.
- Do not exceed a total of 1.3 pints per acre.
- Minimum Retreatment Interval: 3 days.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 0.5 lb. cation/A per year.
- Pre-Harvest Interval: 3 days.

[*][Not For Use in [California] [New York].]

COTTON[*] Late season desiccation	Broadcast	0.7 to 1.3 pts.	Ground: 10.0 gals. Air: 5.0 gals.	3
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Directions

- BECAUSE OF EXTREMES IN ENVIRONMENTAL AND PLANT CONDITIONS, APPLY THE RANGE OF RATES ON A SMALL BLOCK TO DETERMINE THE RATE THAT BEST FITS YOUR NEEDS.
- May be applied as a split application.
- Apply when 85% of the bolls are open and the remaining bolls to be harvested are mature (approximately 0 NACB).
- Delay desiccation application of this product approximately 3 to 7 days to minimize leaf sticking if a defoliation or conditioning application has been made.
- May be tank mixed with other harvest aid materials known to the local expert to be effective.

Precautions

- Development of immature bolls will be inhibited. Slice bolls and inspect the seed for maturity.
- South of Interstate-10 in Texas, where temperatures are typically higher during defoliation, lower rates in the range may be necessary.

Restrictions

- Do not make more than 4 applications per year.
- Do not exceed a total of 1.3 pints per acre.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 0.5 lb. cation/A per year.
- Pre-Harvest Interval: 3 days.

[*][Not For Use in [California] [New York].]

COTTON[*] Desiccation of regrowth	Broadcast	0.75 to 1.25 pts.	Ground: 10.0 gals. Air: 5.0 gals.	3
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Directions

- Use to desiccate regrowth occurring after defoliation or desiccation.
- Because regrowth is difficult to control, thorough coverage with the full listed rate is necessary.
- If regrowth is excessive, use higher specified rate.

Precaution

- Control is dependent on growing conditions and desiccation of small new regrowth may not always be complete.

Restriction

- Do not make more than 4 applications per year.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 0.5 lb. cation/A per year.
- Pre-Harvest Interval: 3 days.

[*][Not For Use in [California] [New York].]

EASTER LILIES[*] (Field grown)	Pre-emergence	1.7 to 2.7 pts.	Ground: 10 gals.	-
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Restriction

- Do not exceed 2 applications per year.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 2.0 lb. cation/A per year.
- Do not exceed 1.0 lb cation/A for a single application.

[*][Not For Use in [California] [New York].]

FALLOW LAND[*] Prior to planting of any crops.	Pre-plant Broadcast to Fallow Land	1.0 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
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Directions

- Use for the control of weeds such as bluegrass, chickweed, henbit, downy brome, ryegrass, cheatgrass, dog fennel, tansy mustard, London rocket, sowthistle, rescue brome, wild oats, volunteer cereals and other winter annuals and for the suppression of perennial weeds or sedges.
- For weeds approaching the maximum size of 6 inches, the higher specified rate may be used.
- Prior to application allow maximum weed emergence to maximize the benefit of this use.
- Adhere to the pre-harvest intervals and other crop specific restrictions for planted crops elsewhere on this label.

Precaution

- Fallow land may be between operations such as disking, ripping, plowing, leveling, irrigating, or listing for ground preparation purposes.

Restriction

- Do not make more than 2 applications per year, during the fallow period.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 1.0 lb. cation/A for a single application.
- Do not exceed 2.0 lbs. cation/A per year.

[*][Not For Use in [California] [New York].]

GRASSES[*] (For seed) (For use in seedbed preparation)	Pre-plant, at Planting, or Pre- emergence	1.3 to 2.7 pts.	Ground: 10.0 gals.	28
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Directions

- Prepare the seedbeds and allow weeds to germinate.
- Apply this product when weeds are at the 3- to 5-leaf stage.
- Applications may be repeated as necessary (but only up to 3 applications per year) prior to grass emergence.

Restrictions

- Do not make more than 3 applications per year.
- Do not graze treated areas or use the seed or straw from treated areas for animal feed or bedding.
- Minimum Retreatment Interval: 14 days.
- Do not exceed 1.0 lb. cation/A for a single application.
- Do not exceed 2.0 lbs. cation/A per year.
- Pre-Harvest Interval: 28 days.

[*][Not For Use in [California] [New York].]

GUAR[*] (Pre-harvest desiccation)	Pre-harvest	1.3 pts.	Ground: 10.0 gals.	4
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Directions

- Apply after the pods are fully mature.

Restrictions

- Do not make more than 3 applications per year.
- Do not graze treated areas or use the treated forage for animal feed.

<ul style="list-style-type: none"> Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 1.5 lbs. cation/A per year. Pre-Harvest Interval: 4 days. 				
[*][Not For Use in [California] [New York].]				
GUAVA [*]	Directed Spray	2.5 pts.	Ground: 10. gals.	-
Precaution <ul style="list-style-type: none"> Retreatment or spot spraying may be necessary for mature woody weeds, late-germinating weeds and grasses, and perennials. 				
Restrictions <ul style="list-style-type: none"> Do not make more than 4 applications per year. Do not allow spray to contact green stems, fruit, or foliage. Minimum Retreatment Interval: 7 days. Do not exceed 0.938 lb. cation/A for a single application. Do not exceed 3.76 lbs. cation/A per year. Do not graze treated areas. Do not feed cover crops grown in treated areas to livestock. 				
[*][Not For Use in [California] [New York].]				
HOPS (ID, OR, & WA only)	Directed Spray and/ or Suckering and Stripping.	1.3 pts.	Ground: 10 gals.	14
Directions <ul style="list-style-type: none"> Silage and hop vine refuse may be fed to livestock. Spray only the basal 2.0 feet of the vines for sucking and stripping. Repeat as necessary, but only up to 3 applications per year. Chemical Pruning: Spray when vines are less than 3.0 feet tall to burn back existing vines and obtain even emergence of subsequent vines. 				
Precautions <ul style="list-style-type: none"> Retreatment of spot treatment may be necessary. APPLICATION TO HOP VINES LESS THAN 6 FEET TALL MAY CAUSE UNACCEPTABLE INJURY. Experience with varieties other than Cascade, Yakima Cluster, and Bullion is limited. If using this product 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. 				
Restrictions <ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 1.5 lbs. cation/A per year. Pre-Harvest Interval: 14 days. Do not allow spray to contact green stems, foliage, flowers, or cones as injury may result. Do not allow animals to graze in treated hop yards. 				
LENTILS [*]	Harvest Aid	0.8 to 1.3 pts.	Ground: 20.0 gals. Air: 5.0 gals.	7
Directions <ul style="list-style-type: none"> Add nonionic surfactant at 0.25% v/v (2.0 pints per 100 gallons) of the finished spray volume. May also be applied as a split application. Apply when crop is mature and at least 80% of the pods are yellowing and mostly ripe with no more than 30% of the leaves still green in color. 				
Restrictions <ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. DO NOT make more than 2 applications or exceed a total of 1.3 pints per acre. The split application may improve coverage. DO NOT apply where weather conditions favor spray drift. To reduce spray drift, a drift control agent may be included. 				
[*][Not For Use in [California] [New York].]				
MINT [*] (Peppermint, Spearmint)	Dormant Season	1.3 to 2.0 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
Directions <ul style="list-style-type: none"> Apply when crop is dormant before spring growth begins and when weeds are less than 6 inches tall. May be tank mixed with Sinbar® Herbicide (terbacil) weed killer for improved contact activity and residual control of Italian ryegrass, prickly lettuce, and groundsel. Apply this tank mixture no more than once per season. 				

Precaution

- For suppression of weeds such as groundsel, chickweed, downy brome, bluegrass, Italian ryegrass, prickly lettuce.

Restrictions

- Do not make more than 2 applications per year.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 0.75 lb. cation/A for a single application.
- Do not exceed 0.75 lb. cation/A per year.
- Do not apply more than 2.0 pints per acre per dormant year.

[*][Not For Use in [California] [New York].]

ONIONS[*] (seeded) AND GARLIC[*]	Pre-plant/Pre-emergence	1.7 to 2.7 pts.	Ground: 10 gals.	60 [200 (CA only)]
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Directions

- For heavy weed infestations or wild oat control use the higher specified rate.
- Allow maximum weed and grass emergence prior to treatment but apply prior to crop emergence.

Restrictions

- Do not make more than 1 application per year.
- Apply only one application per year at the 2.7 pints per acre dosage.
- Apply a maximum of 2.7 pints per acre per year.
- Do not exceed 1.0 lb. cation/A for a single application.
- Do not exceed 1.0 lb. cation/A per year.
- Pre-Harvest Interval: 200 days (CA only); 60 days (All Others).

[*][Not For Use in [California] [New York].]

PASSION FRUIT[*]	Directed Spray	2.5 pts.	Ground: 10.0 gals.	14
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Directions

- If bark is still green at application time, use a shield or wrap vine.
- Pick all fruit off the ground prior to application if application is to be made during harvest season.

Precaution

- It may be necessary to retreat or spot treat.

Restrictions

- Do not make more than 4 applications per year. None during harvest season, unless all fruit has been picked up off the ground.
- Minimum Retreatment Interval: 28 days.
- Do not exceed 0.938 lb. cation/A for a single application.
- Do not exceed 3.76 lbs. cation/A per year.
- Pre-Harvest Interval: 14 days
- Do not allow animals to graze on treated areas.

[*][Not For Use in [California] [New York].]

PEANUTS[*]	Broadcast At ground crack Post-emergence	5.4 to 10.8 fl. oz.	Ground: 10 gals.	-
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Directions

- To control or suppress small (1 to 6 inches) emerged annual grass and broadleaf weeds in peanuts at ground crack. A second application may be made up to 28 days after ground crack.
- For at ground crack use, this product can be tank mixed with Pursuit® Herbicide or Dual MAGNUM for residual weed control.

Precaution

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

Restrictions

- Do not make more than 2 applications per year.
- Do not apply total of more than 10.8 fl. oz. of product per acre per year.
- Do not apply by air.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 0.25 lb. cation/A for a single application.
- Do not exceed 0.25 lb. cation/A per year.

[*][Not For Use in [California] [New York].]

PEANUTS[*] Basagran® Herbicide Tank Mix	Broadcast At ground crack Post-emergence	5.4 to 10.8 fl. oz.	Ground: 10.0 gals.	-
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Directions

- Tank mix this product with Basagran at 1.0 pint per acre for improved control of weeds such as cocklebur, bristly starbur, smartweed, and prickly sida.
- This tank mix can be applied at the ground crack stage of peanuts. A second application may be made up to 28 days after ground crack.

Precautions

- Crop foliage sprayed will be injured in the form of bronzing and crinkling, but the crop will recover and develop normally.
- If peanuts show injury (leaf phytotoxicity and/or plant stunting) produced by any other herbicide treatment, do not apply this tank mix as injury may be enhanced and/or prolonged.
- During prolonged periods of drought or unseasonably cold weather do not apply this tank mix as unsatisfactory weed control may result.

Restrictions

- Do not make more than 2 applications per year.
- Do not apply a total of more than 10.8 fl. oz. of product per acre per year.
- Do not apply by air.

[*][Not For Use in [California] [New York].]

PEANUTS[*] Butyrac® Herbicide Tank Mix	Broadcast Post-emergence	5.4 to 10.8 fl. oz.	Ground 10.0 gals.	-
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Directions

- For improved control of weeds such as cocklebur, sicklepod, and morningglory, tank mix this product with 8.0 to 16.0 ounce (0.125 to 0.25 pound) per acre of Butyrac.

Precaution

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

Restrictions

- Do not make more than 2 applications per year.
- Do not apply a total of more than 10.8 fl. oz. of product per year.
- Do not apply by air.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 0.25 lb. cation/A for a single application.
- Do not exceed 0.25 lb. cation/A per year.

[*][Not For Use in [California] [New York].]

PIGEON PEAS (Puerto Rico only)	Directed Spray	1.3 pts.	Ground: 10.0 gals.	60
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Directions

- Cannery waste can be fed to livestock.

Precaution

- Avoid contact with pigeon pea foliage.

Restrictions

- Do not make more than 1 application per year.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 0.5 lb. cation/A per year.
- Pre-Harvest Interval: 60 days.
- Do not graze treated areas or feed treated forage to livestock

PINEAPPLE[*]	Directed Spray	1.3 to 2.7 pts.	Ground: 10.0 gals.	20
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Precaution

- More mature weeds may require retreatment.

Restriction

- Do not exceed 3 applications per year.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 1.0 lb. cation/A for a single application.
- Do not exceed 3.0 lbs. cation/A per year.
- Pre-Harvest Interval: 20 days.

[*][Not For Use in [California] [New York].]

POTATO[*]	Pre-plant or Pre-emergence Broadcast	0.7 to 1.3 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
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Directions

- Apply up to ground cracking stage, before potatoes have emerged.

<p>Restriction</p> <ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 1.5 lbs. cation/A per year. <p>[*][Not For Use in [California] [New York].]</p>				
<p>POTATO[*] (California, Washington, Oregon, Idaho only; used alone)</p>	Pre-plant Broadcast	0.4 to 0.7 pt.	Ground: 10.0 gals. Air: 5.0 gals.	-
<p>Directions</p> <ul style="list-style-type: none"> For control of volunteer barley in preformed seedbeds. 				
<p>Restriction</p> <ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 1.5 lbs. cation/A per year. <p>[*][Not For Use in [California] [New York].]</p>				
<p>POTATO Fresh Market Only Pre-harvest vine killing and weed desiccation. For Use Only in the states of: Colorado, Delaware, Idaho, Illinois, Indiana, Kansas, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nebraska, Nevada, New Jersey, New York, North Dakota, Ohio, Oregon, Pennsylvania, South Dakota, Utah, Washington, Wisconsin, and Wyoming</p>	Broadcast	0.7 to 1.3 pts.	Ground: 20.0 gals.	3
<p>Directions</p> <ul style="list-style-type: none"> Potatoes must be harvested promptly after desiccation and processed or consumed immediately. Begin application when leaves begin to turn yellow. Use 1.3 pints per acre rate where quick vine kill is desired. For dense vine growth, use 2 applications of 0.6 pint per acre. Split applications must be applied a minimum of 5 days apart. 				
<p>Precaution</p> <ul style="list-style-type: none"> Immature potato foliage is tolerant to this product. However, desiccation will not be complete under this condition. 				
<p>Restrictions</p> <ul style="list-style-type: none"> For Fresh Market Potatoes Only. (Fresh Market Potatoes include potatoes that are sent directly from the field to a consumer, grocery store, or processor for use.) DO NOT make more than 3 applications per year. DO NOT use on potatoes that will be stored as tuber decomposition may result. DO NOT apply to drought stressed potato vines. DO NOT use to desiccate the vines of seed potatoes as seed pieces may fail to germinate and grow normally DO NOT pasture livestock in treated potato fields. DO NOT exceed 2.6 pints per acre per year. Minimum Retreatment Interval: 7 days. DO NOT exceed 1.0 lb. cation/A for a single application. DO NOT exceed 1.5 lbs. cation/A per year. 				
<p>RICE[*]</p>	Pre-plant or Pre-emergence Broadcast	Weeds 1 to 3": 1.3 to 1.7 pts. Weeds 3 to 6": 1.7 to 2.0 pts. Weeds 6": 2.0 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
<p>Directions</p> <ul style="list-style-type: none"> Apply as a broadcast spray before, during or after planting, but before crop emergence. When vegetation is dense, use higher specified rates and spray volumes. Seeding should be done with a minimum amount of soil disturbance. This product may be tank mixed with other herbicides registered for this use for improved or extended weed control. 				
<p>Precautions</p> <ul style="list-style-type: none"> This product will not control weeds and grasses emerging after application. Crop plants emerged at time of application will be killed. 				

Restrictions				
<ul style="list-style-type: none"> Do not make more than 3 applications per year. Do not flood/flush within 48 hours of application in order to ensure complete kill of vegetation. If cool, cloudy and/or wet weather delays speed of kill, do not flood/flush until complete kill is evident. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 1.0 lb. cation/A per year. 				
[*][Not For Use in [California] [New York].]				
SAFFLOWER [*]	Pre-plant or Pre-emergence Broadcast or Banded Over Row	1.7 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
Directions				
<ul style="list-style-type: none"> Apply before, during and after planting but before crop emergence. 				
Restriction				
<ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. 				
[*][Not For Use in [California] [New York].]				
SAFFLOWER [*] (California only)	Pre-plant Broadcast	0.7 pt.	Ground: 10.0 gals. Air: 5.0 gals.	-
Directions				
<ul style="list-style-type: none"> For control of volunteer barley in preformed seedbeds. 				
Restriction				
<ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. 				
[*][Not For Use in [California] [New York].]				
SMALL GRAINS [*] (Barley, wheat)	Pre-plant or Pre-emergence	Weeds 1 to 3": 1.3 to 1.7 pts. Weeds 3 to 6": 1.7 to 2.0 pts. Weeds 6": 2.0 to 2.7 pts.	Ground: 5.0 gals. Air: 5.0 gals.	-
Restriction				
<ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. 				
[*][Not For Use in [California] [New York].]				
SMALL GRAINS [*] (Wheat Only)	Pre-plant or Pre-emergence	Weeds 1 to 3": 1.3 to 1.7 pts. Weeds 3 to 6": 1.7 to 2.0 pts. Weeds 6": 2.0 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
Directions				
<ul style="list-style-type: none"> A tank mix with diclofop-methyl will improve grass control. Apply when weeds are actively growing and 1 to 6 inches in height. Weeds 6 inches or taller may not be controlled. 				
Restrictions				
<ul style="list-style-type: none"> Do not make more than 3 applications per year. Do not apply this tank mix to barley as crop injury may result. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. Pre-Harvest Interval: 14 days. 				
[*][Not For Use in [California] [New York].]				
SORGHUM [*] (Grain)	Pre-plant/ Pre-emergence Broadcast or Band	Weeds 1 to 3": 1.3 to 1.7 pts. Weeds 3 to 6": 1.7 to 2.0 pts. Weeds 6": 2.0 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	48 (grain) 20 (forage)
Directions				
<ul style="list-style-type: none"> To allow maximum weed and grass emergence, seedbeds should be formed as far ahead of planting as possible. Seeding should be done with a minimum amount of soil disturbance. 				
Restriction				
<ul style="list-style-type: none"> Do not make more than 3 applications per year. 				

<ul style="list-style-type: none"> Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. Pre-Harvest Interval: 48 days. 				
[*][Not For Use in [California] [New York].]				
SORGHUM [*] (Grain) Atrazine & 2,4-D ester [Low Volatile] Tank Mix	Pre-plant or Pre-emergence	Weeds 1 to 3": 1.3 to 1.7 pts. Weeds 3 to 6": 1.7 to 2.0 pts. Weeds 6": 2.0 to 2.7 pts.		48 (grain) 20 (forage)
Directions				
<ul style="list-style-type: none"> This product may be tank mixed with Atrazine for improved Pre-emergence or residual weed control. The addition of 2,4-D ester (Low Volatile) may assist in the suppression of perennial and annual broadleaf weeds emerged at the time of application. 				
Restriction				
<ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. Pre-Harvest Interval: 48 days. 				
[*][Not For Use in [California] [New York].]				
SORGHUM [*] (Grain) Harmony® Extra Herbicide Tank Mix	Pre-plant	1.3 to 2.5 pts.	Ground: 10.0 gals.	48 (grain) 20 (forage)
Directions				
<ul style="list-style-type: none"> For Improved weed control, this product may be tank mixed with Harmony Extra. 				
Restriction				
<ul style="list-style-type: none"> Do not make more than 3 applications per year. 				
[*][Not For Use in [California] [New York].]				
SORGHUM [*] (Grain)	Post-emergence Directed (including Hooded or Shielded)	0.7 to 1.3 pts.	Ground: 10.0 gals.	48 (grain) 20 (forage)
Directions				
<ul style="list-style-type: none"> Apply when weeds are actively growing. Use higher specified rate on larger or hard to control weeds. Weeds 6 inches or taller may not be controlled. 				
Precaution				
<ul style="list-style-type: none"> Severe damage and/or complete kill can occur if spray contacts sorghum plants. 				
Restrictions				
<ul style="list-style-type: none"> Do not make more than 2 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 1.0 lb. cation/A per year. Pre-Harvest Interval: 48 days. Do not exceed 2 post-emergence directed applications or exceed a total of 5.3 pints of this product per year. 				
DIRECTIONS FOR USE HOODED OR SHIELDED SPRAYERS				
<ul style="list-style-type: none"> To avoid excessive crop phytotoxicity, use a hooded or shielded sprayer with skids or wheels on the spray boom to maintain spray height. Apply by directing spray between the rows and by using hooded or shielded sprayers to prevent spray contact with crop plants. 				
DIRECTIONS FOR USE DIRECTED SPRAY WITHOUT HOODED OR SHIELDED SPRAYERS				
<ul style="list-style-type: none"> Apply when sorghum is at least 12 inches tall when naturally standing. Use precision directed-spray application equipment adjusted so that no more than the lower 3 inches of the sorghum stalk is contacted by the application spray. 				
Precautions				
<ul style="list-style-type: none"> Some crop injury will occur. The degree of injury is related to the precision of application and spraying conditions. 				
Restriction				
<ul style="list-style-type: none"> Do not exceed 30 psi nozzle pressure or spray under conditions which may cause excessive drift. 				
[*][Not For Use in [California] [New York].]				

SOYBEANS[*]	Pre-plant or Pre-emergence	Weeds 1 to 3": 1.3 to 1.7 pts. Weeds 3 to 6": 1.7 to 2.0 pts. Weeds 6": 2.0 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
<p>Directions</p> <ul style="list-style-type: none"> Apply as a broadcast spray before, during or after planting, but before crop emergence. This product can be tank mixed with the following herbicides for improved burndown or residual control: 2,4-DB; Canopy Dual MAGNUM; Goal; Harmony Extra (Pre-plant only); Linex; Lorox Plus; Stealth; Pursuit Herbicide; Scepter Herbicide; Surflan Herbicide; Turbo Herbicide. The rate of this product to be used in these tank mixtures is dependent on weed height and growing conditions. When weed canopy is dense or under dry conditions, use the highest specified rate of this product. The lower application rate may be used when weeds are less than 4 inches tall and a selective post-emergence spray or cultivation will be made within 3 weeks after planting. Seeding should be done with a minimum amount of soil disturbance. <p>Restrictions</p> <ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 1.5 lbs. cation/A per year. Do not exceed a total of 4.0 pints of this product per year. Do not graze or harvest for forage or hay before the R3 stage of soybean development (early pod). <p>[*][Not For Use in [California] [New York].]</p>				
SOYBEANS[*] 2,4-D ester (Low Volatile) Tank Mix	Pre-plant or Pre-emergence	Weeds 1 to 3": 1.3 to 1.7 pts. Weeds 3 to 6": 1.7 to 2.0 pts. Weeds 6": 2.0 to 2.7 pts.	Ground: 5.0 gals. [10.0 gals. (CA only)] Air: 5.0 gals.	-
<p>Directions</p> <ul style="list-style-type: none"> Apply 2,4-D ester (Low Volatile) at 0.35 to 0.475 pounds active ingredient per acre at least 7 days prior to planting. Apply 2,4-D ester (Low Volatile) at 0.475 to 0.95 pounds active ingredient per acre at least 30 days prior to planting. May be tank mixed with residual herbicides listed above. <p>Restrictions</p> <ul style="list-style-type: none"> Do not make more than 3 applications per year. Do not apply 2,4-D ester (Low Volatile) prior to planting soybeans if you are not able to accept the results of soybean injury including possible loss of stand and yield. Do not use amine formulation. <p>[*][Not For Use in [California] [New York].]</p>				
SOYBEANS[*]	Post-emergence Directed Spray (includes Hooded or Shielded)	3.0 to 5.3 fl. oz.	Ground: 10 gals.	-
<p>Directions</p> <ul style="list-style-type: none"> Apply when weeds are actively growing. Use the lower rate of this product for control of seedling johnsongrass, crabgrass, goosegrass, Brachiaria, Texas millet and pigweed less than 2 inches tall. For control of 2 to 4 inch red rice, Brachiaria, barnyard grass, crabgrass, goosegrass, seedling johnsongrass, giant foxtail, and fall panicum, use 5.3 fl. oz. of this product. Use 5.3 fl. oz. of this product for control of 2 to 3 inch sicklepod, purslane, pigweed, cut leaf ground cherry, and common ragweed. Apply this product at 5.3 fl. oz. per acre plus 0.2 pounds active ingredient per acre of a 2,4-D formulation for control of 2 to 4 inch grasses in mixture with common cocklebur, morning-glory, and red rice. If necessary, make a second and final application 7 to 14 days later. <p>Restrictions</p> <ul style="list-style-type: none"> Do not make more than 2 applications per year. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 1.0 lb. cation/A per year. Pre-Harvest Interval: 46 days. Do not graze or harvest for forage or hay. <p>DIRECTIONS FOR HOODED OR SHIELDED SPRAYERS</p> <ul style="list-style-type: none"> Apply by directing spray between the rows and using hooded or shielded sprayers to prevent spray contact with crop plants. Use higher specified rate on larger (less than 6 inches) or hard to control weeds. Weeds 6 inches or taller may not be controlled. <p>Precaution</p>				

- Severe damage and/or complete kill can occur if spray intentionally or accidentally (including drift of fine droplets) contacts the plants.

DIRECTIONS FOR USE DIRECTED SPRAY WITHOUT HOODED OR SHIELDED SPRAYERS**Directions**

- Use precision directed spray application equipment adjusted so that no more than the lower 3 inches of the soybean plant is contacted by the application spray.

Precautions

- Some crop injury will occur. The degree of injury is dependent upon the precision of application and spraying conditions.

Restrictions

- Do not treat soybeans that are less than 8 inches tall.
- Do not exceed 30 psi nozzle pressure or spray, under conditions which may cause excessive drift.

[*][Not For Use in [California] [New York].]

SOYBEANS[*]	Harvest Aid	5.4 to 10.7 fl. oz.	Ground: 20.0 gals. Air: 5.0 gals.	-
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Directions

- Always use the higher specified rate when treating cocklebur.
- Indeterminate varieties: Applications should be made when at least 65% of the seed pods have reached a mature brown color or when seed moisture is 30% or less. Determinant varieties: Apply when plants are mature, i.e., beans are fully developed, 1/2 of leaves have dropped, and remaining leaves are yellowing.

Precautions

- Mature cocklebur, especially drought-stressed plants are tolerant to this product and desiccation will not be complete.
- Injury will occur on immature soybeans.

Restrictions

- Do not make more than 1 applications per year.
- Do not exceed 0.25 lb. cation/A for a single application.
- Do not exceed 0.25 lb. cation/A per year.
- Do not apply within 15 days of harvest.
- Do not graze or harvest for forage or hay.

[*][Not For Use in [California] [New York].]

STRAWBERRIES[*]	Post-emergence Directed Spray	1.3 pts.	Ground: 20.0 gals.	21
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Directions

- Direct spray between the rows, using shields to prevent spray contact with crop plants.

Restrictions

- Do not make more than 3 applications per year.
- Do not allow spray to contact strawberry plants as injury or excessive residues may result.
- Do not graze livestock in treated areas.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 1.5 lbs. cation/A per year.
- Pre-Harvest Interval: 21 days.

[*][Not For Use in [California] [New York].]

SUGAR BEETS[*]	Pre-plant or Pre-emergence	1.3 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
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Directions

- For heavier weed infestations, use the higher specified label rate.
- 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 plant-beds should be formed as far ahead of treatment as possible to permit maximum weed emergence.

Precaution

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

Restriction

- Do not make more than 3 applications per year.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 1.0 lb. cation/A for a single application.
- Do not exceed 3.0 lbs. cation/A per year.

[*][Not For Use in [California] [New York].]

SUGARCANE[*]	Post-emergence	-	-	-
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	Directed Spray (includes Hooded or Shielded)			
Directions <ul style="list-style-type: none"> Apply as a hooded, shielded or directed spray to avoid contact with cane foliage to prevent leaf burn and yield reduction. If necessary, a second and final application can be made when new weed growth is 2 to 6 inches high. 				
Restrictions <ul style="list-style-type: none"> Do not make more than 2 applications per year, except applications made by air in Florida and Texas in which the maximum number of applications allowed is 1 per year. Do not graze treated areas or feed treated forage to livestock. 				
[*][Not For Use in [California] [New York].]				
SUGARCANE Florida	Post-emergence	1.3 pts.	Ground: 50.0 gals.	-
Directions <ul style="list-style-type: none"> Optimum results can be obtained by applying in early spring (March to April) when weeds are small. 				
Restrictions <ul style="list-style-type: none"> Do not make more than 2 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 1.0 lb. cation/A per year Do not apply after June 1 as cane growth may be stunted and yields reduced. 				
SUGARCANE Hawaii	Post-emergence	1.3 pts.	Ground: 20.0 gals.	-
Restrictions <ul style="list-style-type: none"> Do not make more than 2 applications per year. Do not apply after cane rows have closed in. Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 1.0 lb. cation/A per year 				
SUGARCANE Louisiana	Post-emergence	0.7 to 2.0 pts.	Ground: 20.0 gals.	30
Directions <ul style="list-style-type: none"> For tiller control, apply when tillers are less than 18 inches high. For heavier weed infestations or tiller growth use the higher specified rate. 				
Restriction <ul style="list-style-type: none"> Do not make more than 2 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 0.75 lb. cation/A for a single application. Do not exceed 1.5 lbs. cation/A per year. Pre-Harvest Interval: 30 days. 				
SUGARCANE Florida & Texas	Harvest Aid	0.4 to 0.7 pt.	Air: 5.0 gals.	3
Directions <ul style="list-style-type: none"> Under cool, cloudy weather conditions use higher specified rate. Apply 3 to 14 days before burning and harvest. 				
Restriction <ul style="list-style-type: none"> Do not make more than 1 application per year. Minimum Retreatment Interval: 7 days. Do not exceed 0.25 lb. cation/A for a single application. Do not exceed 0.25 lb. cation/A per year. Pre-Harvest Interval: 3 days. 				
SUNFLOWER[*]	Pre-plant Pre-emergence Broadcast Banded Over Row	1.7 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	7
Directions <ul style="list-style-type: none"> Apply before, during, or after planting but before crop emergence. 				
Restriction <ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. 				

<ul style="list-style-type: none"> Do not exceed 3.0 lbs. cation/A per year. Pre-Harvest Interval: 7 days. <p>[*][Not For Use in [California] [New York].]</p>				
SUNFLOWER[*]	Pre-harvest Desiccation Broadcast	0.8 to 1.3 pts.	Ground: 10.0 gals. Air: 5.0 gals.	7
<p>Directions</p> <ul style="list-style-type: none"> Apply when sunflower seeds reach physiological maturity (when seed moisture is 35% or lower). For many varieties, this is equivalent to the time when the back of the heads are, yellow and the bracts are turning brown. When crop stands or weed infestations are heavy, use the higher label rate. <p>Restrictions</p> <ul style="list-style-type: none"> Do not make more than 2 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 1.0 lb. cation/A per year. Pre-Harvest Interval: 7 days. Do not graze treated areas or feed treated forage to livestock. <p>[*][Not For Use in [California] [New York].]</p>				
TARO, DRYLAND (Hawaii Only)	Post-emergence Directed Spray	1.3 to 2.1 pts.	Ground: 10.0 gals.	180
<p>Directions</p> <ul style="list-style-type: none"> Make the first application when weed growth is 1 to 4 inches high. Weeds emerging after the application will not be controlled. A single re-treatment may be made; however, do not harvest dryland taro within 6 months of the last application. <p>Restrictions</p> <ul style="list-style-type: none"> Do not make more than 2 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 0.75 lb. cation/A for a single application. Do not exceed 1.5 lbs. cation/A per year. Pre-Harvest Interval: 180 days. Do not allow spray to contact the taro plants as injury may result. 				
TREE PLANTATION ESTABLISHMENT[*] Deciduous and Conifers	Pre-plant Broadcast	1.3 to 2.7 pts.	Ground: 20.0 gals.	-
<p>Directions</p> <ul style="list-style-type: none"> To allow maxim emergence of weeds, prepare ground early. Apply prior to planting. Plant with minimal soil disturbance. For heavier weed infestations, use the higher application rate. For improved burndown or residual control, tank mix this product with other herbicides labeled for this use. <p>Restrictions</p> <ul style="list-style-type: none"> Do not make more than 5 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 5.0 lbs. cation/A per year. Do not apply in less than 20.0 gallons per acre as weed control will be reduced. <p>[*][Not For Use in [California] [New York].]</p>				
TREES AND VINES[*] Orchards[*], Vineyards[*], Windbreak[*], Shade & Ornamental Trees[*]: Acerola[*], Apples[*], Apricots[*], Avocados[*], Bananas[*], Beechnut[*], Brazil nut[*], Butternut[*], Calamondin[*], Cashew[*], Cherries[*], Chestnut[*], Chinquapin[*], Citrus[*], Citron[*], Coffee[*], Figs[*], Filberts[*], Grapefruit[*], Grapes[*], Hickory nut[*], Kiwi fruit[*], Kumquat[*], Lemon[*], Lime[*], Macadamia nuts[*], Mandarin[*], Nectarines[*],	Directed Spray	1.7 to 2.7 pts.	Ground: 10.0 gals.	Apricots: 28 Cherries: 28 Figs: 13 Kiwi Fruit: 14 Nectarines: 28 Olives: 13 Peaches: 14 Pistachios: 7 Plums: 28

Olives[*], Orange (sour & sweet)[*], Papayas[*], Peaches[*], Pears[*], Pistachios[*], Plums[*], Prunes[*], Pummelo[*], Satsuma mandarin[*], Walnuts[*], and Other shade and ornamental trees including arborvitae[*], ash[*], elm[*], fir[*], oak[*], pine[*], etc.				
<p>Directions</p> <ul style="list-style-type: none"> Use the shield or wrap plant when spraying around young trees or vines. For mature woody weeds, perennial weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary. <p>Restrictions</p> <ul style="list-style-type: none"> Do not make more than 5 applications per year, except for the following: Do not make more than 3 applications per year on Apricots, Cherries, Kiwi Fruit, Nectarines, Peaches, and Plums. Do not make more than 4 applications per year on Olives. Do not make more than 5 applications on Pistachios prior to shell split; after shells split, do not make more than 2 applications per year. Do not allow spray to make contact with green stems (except suckers), fruit, or foliage. Do not graze treated areas. Do not feed covered crops grown in treated areas to livestock. Do not apply when figs, nuts, or olives to be harvested are on the ground. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 5.0 lbs. cation/A per year. For apricots - Do not harvest within 28 days after application. Do not exceed 3.0 lbs. cation/A per year. For cherries - Do not harvest within 28 days after application. Do not exceed 3.0 lbs. cation/A per year. For figs - Do not harvest within 13 days after application. For grapes - Treat when sucker growth is no more than 8 inches long. Make late season applications to weeds to avoid contact with desirable foliage. For kiwi fruit - Do not exceed 2.0 lbs. cation/A per year. Do not harvest within 14 days after application. For nectarines - Do not harvest within 28 days after application. Do not exceed 3.0 lbs. cation/A per year. For olives - Do not harvest within 13 days after application. Do not exceed 4.0 lbs. cation/A per year. For peaches - Do not harvest within 14 days after application. Do not exceed 3.0 lbs. cation/A per year. For pistachios - Do not exceed 2 applications after shells split. For plums - Do not harvest within 28 days after application. Do not exceed 1.5 lbs. cation/A per year. <p>[*][Not For Use in [California] [New York].]</p>				
TREES AND VINES[*] Tank Mixes	Directed Spray	1.7 to 2.7 pts.	Ground: 10.0 gals.	
<p>Directions</p> <ul style="list-style-type: none"> This product may be tank mixed with registered residual herbicides listed below for combined emerged and residual weed control. This product may be tank mixed with the following herbicides: Devrinol® Herbicide; Goal®; Karmex®; Krovar® Herbicide; Princep®; Sinbar®; Solicam® Herbicide; Surflan® <p>Restrictions</p> <ul style="list-style-type: none"> Do not make more than 5 applications per year, except for the following: Do not make more than 3 applications per year on Apricots, Cherries, Kiwi Fruit, Nectarines, Peaches, and Plums. Do not make more than 4 applications per year on Olives. Do not make more than 5 applications on Pistachios prior to shell split; after shells split, do not make more than 2 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 5.0 lbs. cation/A per year. See above for Apricots, Cherries, Kiwi Fruit, Nectarines, Peaches, Plums, Olives, and Pistachios. <p>[*][Not For Use in [California] [New York].]</p>				
TYFON (New Hampshire only)	Pre-plant Pre-emergence	1.7 to 2.7 pts.	Ground: 10.0 gals.	-
<p>Directions</p> <ul style="list-style-type: none"> Seeding should be done with a minimum of soil disturbance. <p>Precautions</p> <ul style="list-style-type: none"> Weeds and grasses emerging after treatment will not be controlled. Crop plants emerged at time of application will be injured. 				

<p>Restriction</p> <ul style="list-style-type: none"> Do not make more than 3 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. 				
<p>VEGETABLES[*] (Seeded or Transplanted) Beans (Lima, Snap) [*], Broccoli[*], Cabbage[*], Cantaloupe[*], Carrots[*] Cauliflower[*], Chayote fruit[*], Chinese cabbage[*], Chinese waxgourd[*]. Citron melon[*], Collards[*], Cucumber[*], Eggplant[*], Gherkin[*], Gourd[*], Edible Groundcherry[*], Lettuce[*], <i>Momordica</i> spp. [*], Musk melons[*]. Peas[*], Pepino[*], Peppers[*], Pumpkin[*], Squash[*], Sweet Corn[*], Tomatillo[*], Turnips[*], Tomatoes[*], Watermelons[*]</p>	<p>Pre-plant Pre-emergence</p>	<p>1.3 to 2.7 pts.</p>	<p>Ground: 10.0 gals. Air: 5.0 gals.</p>	<p>-</p>
<p>Directions</p> <ul style="list-style-type: none"> Seedbeds or plant-beds should be formed as far ahead of treatment as possible to permit maximum weed emergence. Banded or broadcast treatment applications can be made before, during or after planting but prior to the crop emergence. For heavier weed infestations, use the higher specified rate. Seeding or transplanting should be done with a minimum amount of soil disturbance. This product can be used in fallow bed/stale seedbed for weed control alone or tank mixed with Goal®. <p>Precaution</p> <ul style="list-style-type: none"> Crop plants emerged at time of application will be killed. <p>Restrictions</p> <ul style="list-style-type: none"> Do not make more than 3 applications per year. Do not harvest tomatoes within 30 days after application. Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 1.5 lbs. cation/A per year. <p>[*][Not For Use in [California] [New York].]</p>				
<p>VEGETABLES[*] Eggplant[*], Peppers[*], and Tomatoes[*]</p>	<p>Directed Spray</p>	<p>1.3 pts.</p>	<p>Ground: 10.0 gals.</p>	<p>-</p>
<p>Directions</p> <ul style="list-style-type: none"> For control or suppression of emerged weeds between rows after crop establishment. Use precision directed spray application equipment adjusted to prevent spray contact with crop plants. Apply when weeds are succulent and weed growth is less than 6 inches. <p>Restrictions</p> <ul style="list-style-type: none"> Do not make more than 3 applications per year. Do not exceed 30 psi nozzle pressure. Do not spray under conditions which may cause excessive drift. Do not allow animals to graze in treated areas. Do not harvest tomatoes within 30 days after application. <p>[*][Not For Use in [California] [New York].]</p>				
<p>VEGETABLES[*] Tomatoes[*]</p>	<p>After Final Harvest</p>	<p>1.6 to 2.5 pts.</p>	<p>Ground: 40.0 to 120 gals.</p>	<p>-</p>
<p>Directions</p> <ul style="list-style-type: none"> Apply in 40.0 to 120 gallons of water per acre (0.62 to 0.93 pound active ingredient per acre). Add NIS containing 75% or more surface active agent at 0.125 v/v (1.0 pint per 100 gallons of spray solution). To ensure maximum herbicide burndown, tomato vines should be thoroughly covered. To aid in the removal of sweet potato whitefly, burn tomato vines with propane burners as soon as possible after the vines have dried down sufficiently. <p>Precaution</p>				

- This product may be deactivated and less efficacious when dirty or muddy water is used.

Restrictions

- Do not make more than 2 applications per year.
- Do not exceed 0.9 lb. cation/A for a single application.
- Do not exceed 1.9 lbs. cation/A per year.
- Do not apply more than a total of 3.0 pounds active ingredient (paraquat) per acre per year.
- To minimize drift, do not use nozzles or nozzle configurations which produce fine spray droplets (mist).

[*][Not For Use in [California] [New York].]

VEGETABLES (California, Washington, Oregon Idaho only) Lettuce, Melon, Sugar Beets, Tomatoes	Broadcast	0.4 to 0.7 pt.	Ground: 10.0 gals. Air: 5.0 gals.	-
Directions				
<ul style="list-style-type: none"> For control of volunteer barley in preformed seedbeds. 				
Restrictions				
<ul style="list-style-type: none"> Do not make more than 2 applications per year. Do not harvest tomatoes within 30 days after application. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 3.0 lbs. cation/A per year. 				
VEGETABLES[*] Rhubarb[*]	Dormant	1.7 to 2.7 pts.	Ground: 10.0 gals.	-
Directions				
<ul style="list-style-type: none"> Apply during dormant season before buds in crown begin to grow. 				
Restriction				
<ul style="list-style-type: none"> Do not exceed 2 applications per year. Minimum Retreatment Interval: 7 days. Do not exceed 1.0 lb. cation/A for a single application. Do not exceed 2.0 lbs. cation/A per year. 				
[*][Not For Use in [California] [New York].]				

RESIN SOAKING

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

Tree Selection - Trees should be selected from stands on sites not subject to stress from periods of extreme drought stress because the desiccating effect of this product is accentuated during drought, causing a reduction in the amount of oleoresin deposited in the xylem. Vigorous, non-stagnated natural or planted stands should be selected. Plan this product treatments in stagnated or commercial timber stands, no sooner than three years after commercial thinning.

Application Directions: To bring the treatment into contact with sapwood (or xylem), apply water-diluted product to an appropriate wound in the tree trunk.

Bark Streaks or Cuts: Use a standard or rotary bark hack or a chainsaw chipping tool (used in naval stores work) to remove a single 1- inch wide streak of bark about 1 to 2 feet from ground level. Do not exceed 1/3 of the circumference of the tree. Serious girdling of the trunk and premature death of the tree can result if multiple streaks or cuts are made. Apply a coarse spray (about 1.7 to 5.0 ml) of this product solution (1 to 5% cation, wt./wt. basis) to runoff to the exposed xylem, using a low-pressure sprayer. The amount of spray required per cut depends on tree circumference and the length of cut or streak. For example, for a 9-inch diameter tree, using 3.0 ml of 2 or 4% of this product solution will cover the 1-inch wide streak and will result in application of 60.0 or 120 mg per streak.

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

Interval Between Treatment and Tree Harvest: There should be at least a 6-month interval between application of this product and tree harvest. However, it is preferable the interval is from 12 to 24 months, even though intervals of over 6 months may not be possible under conditions of drought or serious pine beetle attacks possibly making early harvest necessary.

With this treatment, there is a potential for promoting beetle attack or causing premature death of the tree. At high dosage rates, desiccation of the xylem tissue, rather than the desired resin soaking, may occur.

Note: This type of treatment may reduce stem growth during time between treatment and tree harvest.

Dilution Table for this product (3.0 lbs. cation per gallon)	
Concentration of Cation on Desired (wt./wt. basis)	Add the Following No. Gal. of Water to 2/3 Gallon of this product
0.2%	118.8
0.5%	46.8
1.0%	22.9
2.0%	10.9
3.0%	6.9
4.0%	4.9
5.0%	3.7

Crop	Use Pattern	This Product Rate/Acre	Minimum Total Spray/Acre	Grazing or Pre-Harvest Interval (Days)
CONSERVATION RESERVE, FEDERAL SET- ASIDE, CONSERVATION COMPLIANCE PROGRAMS[*] (For use in compliance with the Federal Conservation Reserve Program or Federal set-aside programs)	Broadcast	1.7 to 2.7 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-

Directions

- This product may be tank mixed with other herbicides registered for this use for improved emerged weed control or extended weed control.

Restriction

- Do not make more than 3 applications per year.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 2.0 lbs. cation/A per year.

[*][Not For Use in [California] [New York].]

NON-CROP USES[*]	Broadcast or Spot Treatment	1.7 to 2.7 pts.	Ground: 10.0 gals.	-
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Directions

- Repeat applications as necessary but do not make more than 10 applications per year.
- To be used in non-crop areas including public airports, electric transformer stations, pipeline pumping stations, around commercial buildings, storage yards and fence lines.

Restriction

- Do not spray contact with the foliage of ornamentals or desired plants.
- Minimum Retreatment Interval: 7 days.
- Do not make more than 10 applications per year.
- Do not exceed 1.0 lb. cation/A for a single application.
- Do not exceed 10.0 lbs. cation/A per year.

[*][Not For Use in [California] [New York].]

PASTURE RESEEDING[*] For suppression of existing sod and undesirable emerged broadleaf weeds and grasses prior to or at time of planting grasses or forage legumes	Broadcast	0.7 to 1.3 pts.	Ground: 10.0 gals. Air: 5.0 gals.	See specific geographic directions.
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Restriction

- Do not make more than 3 applications per year.
- Minimum Retreatment Interval: 7 days.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 1.5 lbs. cation/A per year.
- Pre-Harvest Interval: 40 days

Directions West of Cascade and Sierra Nevada Mountains

- Apply in October through December after first fall rains and after weeds have emerged and sod has started new growth.
- Apply on moderately to heavily grazed areas for best seeding results.

Restrictions West of Cascade and Sierra Nevada Mountains

- Do not use in heavy sod and weed growth areas.

Directions East of Rocky Mountains

- Use the 1.3 pints rate on vigorous or coarse sod species such as brome grass.
- Apply prior to, or at time of seeding grasses or forage legumes.

- Apply only to grazed or mowed pastures not more than 3 inches in height at time of treatment.

Directions Bermudagrass or Bahiagrass Sods

- Apply in late summer or early fall to sod not exceeding 3 inches in height.
- For control of emerged little barley, apply in February or March before the mid-boot stage of little barley.

Directions Bermudagrass and Coastal Bermudagrass Pastures

- Apply when bermudagrass is dormant.
- For control of little barley, apply before the mid-boot stage.

Restrictions Bermudagrass and Coastal Bermudagrass Pastures

- Do not mow for hay until 40 days after treatment.

[*][Not For Use in [California] [New York].]

For control of endophyte- fungus-infected fescue forage legume/grass mixture and other grass pastures.[*]	Broadcast (Split Application)	0.7 to 1.3 pts. followed by 0.7 to 1.3 pts.	Ground: 10.0 gals.	-
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Directions

- Use split applications of 10 to 21 days apart if necessary.
- For spring plantings, the initial application of 0.7 to 1.3 pints may be made the previous fall.
- Apply when fescue is actively growing and no more than 4 inches high.

Restrictions

- Do not make more than 2 applications per year.
- Do not exceed 2.6 pints per acre total in preparation for reseeding.
- Minimum Retreatment Interval: 10 days.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 1.0 lb. cation/A per year.
- To reduce the infestation of endophyte-infested grass, do not allow fescue to go to seed starting with the preceding year's crop.

[*][Not For Use in [California] [New York].]

For prickly pear desiccation in pastures. [*]	Spot Sprays	0.8 fl. oz. per gallon of water	Spray to wet weed foliage.	-
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Directions

- Mix 0.8 fl. oz. of this product and 0.33 fl. oz. of a nonionic surfactant per gallon of water.
- Completely and uniformly cover all green prickly pear foliage with spray.
- Apply in May through September for best desiccation results.
- Apply only to pastures with no more than 3 inches of height at time of treatment.
- Tank mix with Grazon® P+D Specialty® herbicide at a rate of 1.0 to 2.0 fl. oz. per gallon of water for improved desiccation and perennial control of prickly pear.

Restrictions

- Do not make more than 10 applications per year.
- Do not use more than 1.6 pints of this product per acre per year.

[*][Not For Use in [California] [New York].]

For Juniper Species leaf moisture reduction or desiccation prior to prescribed burning of pastures. [*]	Broadcast	1.3 pts.	Air: 5.0 gals.	-
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Directions

- Use only in conjunction with prescribed burning as recommended and monitored by local SCS or University and Extension Range Specialists.
- Apply during hot, dry weather conditions (generally July and August).
- Use 2% v/v nonionic surfactant in a minimum of 5.0 gallons spray solution.
- Monitor juniper leaf moisture content. Maximum leaf moisture reduction generally occurs 3 to 4 weeks after this product application.

Precautions

- Significant soil moisture and/or, wet weather conditions prior to or after application will decrease the potential for juniper crown burns.
- Reduction in leaf moisture can be adversely affected by cool or humid weather conditions.

Restrictions

- Do not make more than 3 applications per year.
- Minimum Retreatment Interval: 10 days.
- Do not exceed 0.5 lb. cation/A for a single application.
- Do not exceed 1.5 lbs. cation/A per year.
- Do not graze livestock after application or prior to burning.

[*][Not For Use in [California] [New York].]				
Native Pastures[*]	Broadcast	1.0 to 1.25 pts.	Ground: 10.0 gals. Air: 5.0 gals.	-
Directions				
<ul style="list-style-type: none"> Apply this product for control of downy and Japanese brome. Apply in spring after 90% node formation of brome species, but before full bloom. Apply only to pastures with no more than 3 inches of height at time of treatment. 				
Precautions				
<ul style="list-style-type: none"> 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. 				
Restrictions				
<ul style="list-style-type: none"> Do not make more than 2 applications per year. Do not apply more than 1.25 pints this product per year. Minimum Retreatment Interval: 7 days. Do not exceed 0.5 lb. cation/A for a single application. Do not exceed 0.45 lb. cation/A per year. Pre-Harvest Interval: 40 days. 				
[*][Not For Use in [California] [New York].]				

Conversion Table This Product to Be Applied

Fluid Ounces	Pints	Pounds Active Ingredient (lb. cation)	Acres Per Gallon
2.5	0.16	0.06	51.3
4.8	0.30	0.11	26.7
5.28	0.33	0.12	24.2
5.52	0.35	0.13	23.2
10.00	0.63	0.23	12.8
11.00	0.69	0.26	11.6
11.20	0.70	0.26	11.4
12.00	0.75	0.28	10.7
16.00	1.00	0.38	8.0
20.00	1.25	0.47	6.4
20.80	1.30	0.49	6.2
24.00	1.50	0.56	5.3
28.00	1.75	0.66	4.6
32.00	2.00	0.75	4.0
40.00	2.50	0.94	3.2
43.20	2.70	1.00	3.0

Tank Mix Partners

Brand Name	Active	EPA Reg No.
AAtrex® Herbicide	atrazine	100-497
Ambush® Insecticide	Permethrin	5481-549
Atrazine Herbicide	atrazine	66222-36
Banvel + Atrazine	Atrazine + dicamba	70506-465
Basagran	Sodium bentazon	7969-45
Bicep II MAGNUM® Herbicide	atrazine + S-metolachlor	100-817
Bicep Lite II MAGNUM® Herbicide	atrazine + S-metolachlor	100-827
Butyrac	Dimethylamine 4-(2,4-dichlorophenoxy)butyrate	42750-38
Canopy® Herbicide	metribuzin + chlorimuron-ethyl	352-444
Caparol® Herbicide	Prometryn	100-620
Command® Herbicide	Clomazone	279-3150 and 279-3151
Cotoran® Herbicide	Fluometuron	66222-181
Def Defoliant®	Tribufos	5481-9023
Devrinol® Herbicide	napropamide	70506-34
Dual MAGNUM	S-metolachlor	100-816
Folex Defoliant®	Tribufos	5481-504
Frontier®	dimethenamid	7969-144
Goal® Herbicide	oxyfluorfen	92894-2

Guardsman® Herbicide	Atrazine + dimethenamide-P	7969-192
Harmony® Extra Herbicide	thifensulfuron + tribenuron-methyl	279-9583
Harness®	acetochlor	524-473
Harness® Extra	acetochlor + atrazine	524-480
Karate®	lambda-Cyhalothrin	100-998
Linex® Herbicide	linuron	61842-21
Lorox® Herbicide	linuron	61842-23
Marksman® Herbicide	Atrazine + dicamba	7969-136
Princep® Herbicide	simazine	100-526
Pursuit Herbicide	imazethapyr	241-310
Scepter Herbicide	imazaquin	5481-610
Sencor 75DF	metribuzin	264-738
Simazine®	Simazine	19713-60
Sinbar® Herbicide	terbacil	61842-13
Solicam® Herbicide	Norflurazon	61842-41
Stealth®	pendimethalin	34704-868
Surpass® 100	ethaneperoxic acid + hydrogen peroxide	1677-189
Surpass® EC	acetochlor	62719-367
Topnotch®	acetochlor	62719-369

STORAGE AND DISPOSAL

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

The built-in chemical extraction probe must be rinsed within the pesticide container prior to removal.

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used must be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your State regulatory agency to determine allowable practices in your State. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at www.acrecycle.org. If not recycled, then puncture and dispose of in a sanitary landfill, or by incineration. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

For packages greater than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

CONDITION 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. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Tigris, LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Tigris, LLC and Seller harmless for any claims relating to such factors.

Tigris, LLC 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. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Tigris, LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, TIGRIS, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Tigris, LLC nor Seller shall be liable for any incidental, consequential, or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF TIGRIS, LLC 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 TIGRIS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Tigris, LLC 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 Tigris, LLC.

[Tigris Paraquat] is a trademark of Tigris, LLC

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{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

RESTRICTED USE PESTICIDE

DUE TO ACUTE TOXICITY

To be used by certified applicators only – NOT to be used by uncertified persons working under the supervision of a certified applicator, except that uncertified persons may transport containers as provided under Directions for Use.

PARAQUAT	GROUP	22	HERBICIDE
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Tigris Paraquat [TM]

[ABN: Tigris Paraquat 3 SL]

[HERBICIDE]

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

ACTIVE INGREDIENT: (% by weight)
Paraquat dichloride: (1,1'-dimethyl-4,4'-bipyridinium dichloride)43.2%
OTHER INGREDIENTS:56.8%
TOTAL: 100.0%
Contains 3.0 pounds paraquat cation per gallon as 4.05 pounds of dichloride salt per gallon. Contains emetic and stench (odor).

**KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO**



POISON/VENENO

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

READ ENTIRE LABEL PRIOR TO USING THIS PRODUCT. IN THE CASE OF AN ACCIDENT, SEEK MEDICAL ATTENTION. SYMPTOMS ARE PROLONGED, PAINFUL, AND CAN BE FATAL.

LEA LA ETIQUETA COMPLETA ANTES DE USAR ESTE PRODUCTO. EN CASO DE ACCIDENTE, BUSQUE ATENCIÓN MÉDICA INMEDIATA. LOS SÍNTOMAS SON

FIRST AID	
Contains Paraquat, a Bipyridylum Herbicide. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
If Swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor IMMEDIATELY for treatment advice. • SPEED IS ESSENTIAL. Immediate medical attention is required. If available, give an adsorbent such as activated charcoal, bentonite, or Fuller’s Earth. • Do not give anything by mouth to an unconscious person.
If Inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If in Eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on Skin or Clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
NOTE TO PHYSICIAN: Administer either activated charcoal (100 g for adults	

PROLONGADOS, DOLOROSOS, Y PUEDEN SER MORTALES.

- IF SWALLOWED, TAKE IMMEDIATE ACTION AS PRESCRIBED IN FIRST AID. SYMPTOMS ARE PROLONGED AND PAINFUL.
- CORROSIVE TO SKIN AND EYES. / CORROSIVO PARA LA PIEL Y LOS OJOS.
- NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES. / NUNCA TRANSFERA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLÍCITAMENTE PREVISTOS PARA PLAGUICIDAS.
- DO NOT USE OR STORE IN OR AROUND THE HOME.
- DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.
- THE ODOR OF THIS PRODUCT IS FROM THE STENCHING AGENT WHICH HAS BEEN ADDED, NOT FROM PARAQUAT

or 2.0 g/kg body weight in children) or Fuller's Earth (15% solution; 1.0 liter for adults or 15.0 ml/kg body weight in children). **NOTE:** The use of gastric lavage without administration of an absorbent 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. Probable mucosal damage may contraindicate the use of gastric lavage.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call your poison control center at **1-800-222-1222**.

[Optional referral statements when booklets and container labels are used:]
[See label booklet for [complete] [additional] [First Aid,] [Precautionary Statements,] [Directions For Use,] and [Storage and Disposal].]

Manufactured for:
Tigris, LLC
P.O. Box 250
10025 Hwy. 264 Alternate
Middlesex, NC 27557

EPA Reg. No. 92647-12
EPA Est. No. _____
Net Contents: _____ [Gal./L.]

{LANGUAGE AFFIXED TO CAP}

DANGER – ONE SIP CAN KILL

PELIGRO – UN SORBO PUEDE MATAR

{PRODUCT PACKAGE SAFETY LANGUAGE AFFIXED TO CONTAINER}

	<p>NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES³</p>	<p>NUNCA TRANSFERA ESTE PRODUCTO EN ENVASES DE ALIMENTOS O BEBIDAS O EN RECIPIENTES QUE NO SEAN ESPECIFICAMENTE PREVISTOS PARA PESTICIDAS.</p>
	<p>ONE SIP CAN KILL.</p>	<p>UN SORBO PUEDE MATAR.</p>




	<p>CONTACT WITH SKIN MAY RESULT IN POISONING.</p>	<p>EL CONTACTO CON LA PIEL PUEDE RESULTAR EN ENVENENAMIENTO.</p>
	<p>EXPOSURE TO EYES MAY CAUSE SUBSTANTIAL EYE INJURY.</p>	<p>LA EXPOSICIÓN A LOS OJOS PUEDE CAUSAR LESIONES GRAVES A LOS OJOS.</p>
	<p>PARAQUAT SHOULD ALWAYS BE STORED TIGHTLY CLOSED IN ORIGINAL CONTAINER, AND IN A LOCKED PLACE AWAY FROM CHILDREN AND ANIMALS.</p>	<p>PARAQUAT DEBE ALMACENARSE SIEMPRE CERRADO EN CONTENEDOR ORIGINAL, Y EN UN LUGAR CERRADO, ALEJADO DE NIÑOS Y ANIMALES.</p>
	<p>READ ENTIRE LABEL PRIOR TO OPENING THIS PRODUCT.</p>	<p>LEER LA ETIQUETA ENTERA ANTES DE ABRIR ESTE PRODUCTO.</p>

{PARAQUAT DICHLORIDE SAFETY COUNTER CARD LANGUAGE}

	<p>NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES.</p>	<p>NUNCA TRANSFEIERA ESTE PRODUCTO EN ENVASES DE ALIMENTOS O BEBIDAS O EN RECIPIENTES QUE NO SEAN ESPECIFICAMENTE PREVISTOS PARA PESTICIDAS.</p>
	<p>ONE SIP CAN KILL.</p>	<p>UN SORBO PUEDE MATAR.</p>
	<p>CONTACT WITH SKIN MAY RESULT IN POISONING.</p>	<p>EL CONTACTO CON LA PIEL PUEDE RESULTAR EN ENVENENAMIENTO.</p>



	EXPOSURE TO EYES MAY CAUSE SUBSTANTIAL EYE INJURY.	LA EXPOSICIÓN A LOS OJOS PUEDE CAUSAR LESIONES GRAVES A LOS OJOS.
	PARAQUAT SHOULD ALWAYS BE STORED TIGHTLY CLOSED IN ORIGINAL CONTAINER, AND IN A LOCKED PLACE AWAY FROM CHILDREN AND ANIMALS.	PARAQUAT DEBE ALMACENARSE SIEMPRE CERRADO EN CONTENEDOR ORIGINAL, Y EN UN LUGAR CERRADO, ALEJADO DE NIÑOS Y ANIMALES.
	READ ENTIRE LABEL PRIOR TO OPENING THIS PRODUCT.	LEER LA ETIQUETA ENTERA ANTES DE ABRIR ESTE PRODUCTO.
	DISREGARDING LABEL DIRECTIONS IS A VIOLATION OF FEDERAL LAW AND IS PUNISHABLE BY SUCH.	IGNORAR LAS INSTRUCCIONES DE LA ETIQUETA ES UNA VIOLACIÓN DE LA LEY FEDERAL Y ES CASTIGABLE POR LA MISMA.