



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

August 16, 2024

Keeva Cannavo  
Manager, Regulatory and Scientific Affairs  
Nichino America Inc.  
4550 Linden Hill Road, Suite 501  
Wilmington, DE 19808

Subject: Label Amendment - Registration Review Mitigation for Pyraflufen-ethyl  
Product Name: ET<sup>®</sup>X HERBICIDE/DEFOLIANT  
EPA Registration Number: 71711-41  
Application Date: December 22, 2020  
Decision Number: 569022

Dear Keeva Cannavo:

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

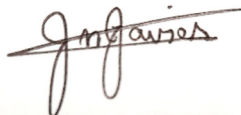
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded 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 Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. 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 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 DeMariah Koger by phone at (202)-566-2288, or via email at [Koger.demariah@epa.gov](mailto:Koger.demariah@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Julie Javier", written over a horizontal line.

Julie Javier, Team Leader  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

ENCLOSURE: Stamped label

{71711-41 ETX Herbicide/Defoliant}



PYRAFLUFEN-ETHYL GROUP 14 HERBICIDE

### ET<sup>®</sup>X Herbicide/Defoliant

A Contact Herbicide for Broadleaf Weed Control, Defoliation, and Desiccation

**Active Ingredient:**

Pyraflufen-ethyl: Acetic acid, [2-chloro-5-[4-chloro-5-(difluoromethoxy)-1-methyl-1H-pyrazol-3-yl]-4-fluorophenoxy]-, ethyl ester.....4.0%

**Other Ingredients\*:**..... 96.0%

**Total:**..... 100.0%

Contains 0.335 lb. pyraflufen ethyl per gallon

\*contains petroleum distillates

EPA Reg. No. 71711-41

EPA Est. No. \_\_\_\_\_

## KEEP OUT OF REACH OF CHILDREN DANGER - PELIGRO

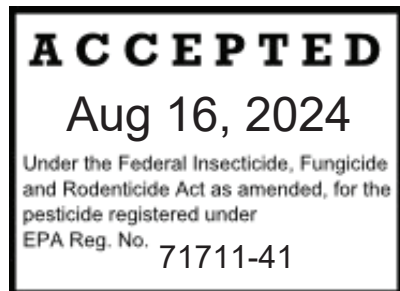
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• <b>DO NOT</b> give any liquid to the person.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<p align="center"><b>HOTLINE NUMBER</b></p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-348-5832 for emergency medical treatment information. In case of fire or spills, information may be obtained by calling 1-800-424-9300.</p>	
<p align="center"><b>NOTE TO PHYSICIAN</b></p> <p>May pose an aspiration pneumonia hazard. Contains petroleum distillate. Probable mucosal damage may contraindicate the use of gastric lavage.</p>	

Net Contents: \_\_\_\_\_

[Manufactured in \_\_\_\_,] [formulated in \_\_\_\_,] [and] [packaged in \_\_] for:

Nichino America, Inc.  
4550 Linden Hill Road, Suite 501  
Wilmington, DE 19808  
888-740-7700



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

**Corrosive.** Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. **DO NOT** get in eyes or on clothing. Avoid contact with skin. Wear protective eyewear (goggles, face shield, or safety glasses.) Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Wear long sleeved shirt and long pants, socks, shoes, and gloves.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves, made from barrier laminate and/or butyl rubber ≥ 14 mils
- Protective eyewear
- For overhead exposure, wear chemical resistant headgear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**ENGINEERING CONTROLS STATEMENT**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic invertebrates. This product may contaminate water through drift of spray in wind or via runoff events. Use care when applying in areas adjacent to any body of water. **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate. **DO NOT** apply when weather conditions favor drift from treated areas. **DO NOT** apply if rainfall is expected within one hour.

**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.

## DIRECTIONS FOR USE

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

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

### 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.

**DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

For early entry into 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, wear:

- Coveralls
- Chemical-resistant gloves, made from barrier laminate and/or butyl rubber  $\geq$  14 mils.
- Shoes plus socks
- Protective eyewear

### NONAGRICULTURAL 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, or greenhouses. For other uses, including interiorscapes and other nonagricultural uses, **DO NOT** enter treated areas without protective clothing until sprays have dried.

## PRODUCT INFORMATION

ETX Herbicide/Defoliant is a contact herbicide and defoliant and requires thorough coverage for complete broadleaf weed control and defoliation/desiccation.

ETX Herbicide/Defoliant must be tank mixed with another foliar active broadleaf herbicide for complete control of most broadleaf weeds.

**DO NOT** apply ETX Herbicide/Defoliant through any type of irrigation system.

ETX Herbicide/Defoliant is rainfast within one hour after application.

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**WEEDS CONTROLLED**

The following broadleaf weed species can be controlled or suppressed up to 4 inches in height or less, or rosettes of 3 inches in diameter or less. Tank mixtures of ETX Herbicide/Defoliant with other labeled broadleaf herbicides may be needed for control of some weed species.

Alkaliweed*	Henbit	Prickly sida (Teaweed)
Amaranth, Palmer*	Horsenettle*	Purslane, common
Bedstraw	Kochia	Radish, wild
Beggartick, hairy	Ladysthumb	Ragweed, common
Beggarweed, Florida	Lambsquarters, common	Ragweed, giant
Bindweed, field	Lettuce, prickly	Redmaid
Buckwheat, wild	Mallow, common	Rocket, London
Canola	Malva spp.	Sesbania, hemp
Carpetweed	Marestail*	Smartweed, Pennsylvania
Celery, wild	Milkthistle	Smellmelon
Chickweed	Morningglory, species	Sowthistle, annual
Clover, white	Mustard, wild*	Spurge, leafy
Cocklebur	Nettle, stinging	Sunflower, common
Cotton, volunteer (Conventional, GMO varieties)	Nightshade, black	Tansymustard, western
Dandelion, common	Panicle willowweed	Thistle, Canada
Dock, curly	Pigweed, redroot	Thistle, Russian
Dollarweed	Pigweed, smooth	Toadflax, Dalmatian
Eclipta	Pineapple-weed	Velvetleaf
Evening primrose, Cutleaf	Poinsettia, wild	Virginia-creeper
Fleabane*	Poison-ivy	Waterhemp, tall
Geranium, Carolina	Potato, volunteer	Waterhemp, common

\*suppression

**ROTATIONAL CROP RESTRICTIONS**

Crop/Crop Group	Rotational/Plantback Intervals
<ul style="list-style-type: none"> <li>• Corn</li> <li>• Cottonseed Subgroup (Crop Subgroup 20C)</li> <li>• Hops</li> <li>• Peanuts</li> <li>• Pome Fruit Crop Group 11-10</li> <li>• Pomegranate</li> <li>• Small Fruit Vine Climbing Subgroup Except Fuzzy Kiwifruit (Crop Group 13-07F)</li> <li>• Soybean</li> <li>• Stone Fruit Crop Group 12-12</li> <li>• Tree Nuts Crop Group 14-12</li> <li>• Wheat, Triticale</li> <li>• Tropical and Subtropical, Small Fruit, Edible Peel Subgroup (Crop Subgroup 23A)</li> <li>• Tuberos and Corm Vegetable Subgroup (Crop Subgroup 1C)</li> </ul>	0 days following application
<ul style="list-style-type: none"> <li>• Bulb Vegetables Crop Group 3</li> <li>• Cereal Grains Crop Group 15 (except corn, wheat, and triticale – see 0-day plantback interval above)</li> <li>• Brassica (Cole) Crops Crop Group 5</li> <li>• Cucurbits Crop Group 9</li> <li>• Fruiting Vegetables (Except Cucurbits) Crop Group 8</li> <li>• Leafy Vegetables (Except Brassica Vegetables) Crop Group 4</li> </ul>	1 day following preplant burndown application

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<ul style="list-style-type: none"> <li>• Legumes Vegetables (Succulent or Dried) (Crop Group 6) (except Soybean; see 0-day plantback interval above)</li> <li>• Oilseeds Crop Group 20</li> <li>• Root and Tuber Vegetables Crop Group 1 (except Crop Subgroup 1C – see 0-day plantback interval above)</li> <li>• Sugarcane</li> </ul>	
<ul style="list-style-type: none"> <li>• All Other Rotational Crops</li> </ul>	<p><b>DO NOT</b> plant for 30 days following the last application of ETX Herbicide/Defoliant.</p>

**WEED RESISTANCE-MANAGEMENT**

For resistance management, ETX Herbicide/Defoliant is a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to ETX Herbicide/Defoliant and other Group 14 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance-management strategies should be followed.

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

- Rotate the use of ETX Herbicide/Defoliant or other Group 14 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 Nichino America, Inc. representatives at 888-740-7700.

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.

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Contact your local sales representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your local conditions. Tank mix products so that there are multiple effective mechanisms of actions for each target weed.

### **MANDATORY SPRAY DRIFT MANAGEMENT**

#### Aerial Applications:

- **DO NOT** release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a fine or coarser droplet size (ASABE S572).
- If the windspeed is 10 miles per hour or less, applicators must use ½ swath displacement upwind at the downwind edge of the field. When the windspeed is between 11-15 miles per hour, applicators must use ¾ swath displacement upwind at the downwind edge of the field.
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters
- **DO NOT** apply during temperature inversions.]

#### Ground Boom Applications:

- User must only apply with the release height specified by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use fine or coarser droplet size (ASABE S572).
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

#### Boomless Ground Applications:

- Applicators are required to use fine or coarser droplet size (ASABE S572) for all applications.
- **DO NOT** apply when wind speeds exceed 15 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.

- **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 - 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 specified 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.
  - **[Controlling Droplet Size - Aircraft**
    - **Adjust Nozzles** - Follow nozzle manufacturers specifications for setting up nozzles. Generally, to reduce fine droplets, orient nozzles parallel with the airflow in flight.]
- **BOOM HEIGHT - Ground Boom**



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- For ground equipment, the boom must remain level with the crop and have minimal bounce.
- [RELEASE HEIGHT - Aircraft
  - Higher release heights increase the potential for spray drift.]
- 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 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.

### TANK MIXTURES

ETX Herbicide/Defoliant may be applied as a tankmix or in sequential application with other harvest aid, herbicide, fungicide, or insecticide products. Weather, crop conditions, or the presence of certain weeds, crop damaging insects, or diseases will indicate the inclusion of other pesticides in the application.

**Note:** Test compatibility of ETX Herbicide/Defoliant in any tankmix combination before use. To determine the physical compatibility with other products, use a jar test, as described below:

Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

**Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.**

### MIXING DIRECTIONS

Add  $\frac{1}{2}$  to  $\frac{3}{4}$  of the required amount of water to the spray tank. Start agitation. Add the required amount of ETX Herbicide/Defoliant and the remaining amount of water. Mix only as much spray solution as can be sprayed within four hours. Storage and use of the previous day's spray mix may result in reduced activity.

Use an approved agricultural buffering agent, buffering to pH 7.5 or less if using ETX Herbicide/Defoliant in a water source greater than or equal to pH 7.5. Always buffer the water source BEFORE adding ETX Herbicide/Defoliant to the spray tank.

### EQUIPMENT CLEANING

**DO NOT allow the spray solution to dry in the application equipment. After application and before using the sprayer equipment for any other applications, the sprayer must be thoroughly cleaned.**

**Applicators must ensure proper equipment clean-out for any other products mixed with ETX Herbicide/Defoliant as provided on the other product label(s).** Immediately following application, clean all equipment thoroughly with detergent or a spray tank cleaner and water as described below. Should residues of ETX Herbicide/Defoliant remain in inadequately cleaned equipment, they may be released in subsequent applications and cause injury to crops.

1. Drain sprayer tank, hoses, and spray boom and thoroughly rinse with clean water the inside of the spray tank, sprayer hoses, boom, and nozzles to remove any sediment or residues.
2. Fill the tank  $\frac{1}{2}$  full with clean water, add the appropriate detergent (follow manufacturer's directions for use). Fill tank to capacity and operate the sprayer with agitation for 15 minutes to flush hoses, boom, and nozzles.
3. Drain the sprayer tank, lines, and booms. Rinse the tank with clean water and flush through the hoses, boom, and nozzles. Remove and clean spray nozzles, tips, and screens.
4. Dispose of all cleaning solutions, rinsate, and washwaters in accordance with Federal, state, and local regulations.

## APPLICATION AND DOSAGE

### **BULB VEGETABLES (Crop Group 3)**

garlic, Elephant garlic, leek, dry bulb, green and Welch onion, shallot

### **CEREAL GRAINS (Crop Group 15)**

barley, buckwheat, corn, pearl and proso millet, oats, popcorn, rice, rye, sorghum, teosinte, triticale, wheat, wild rice

### **BRASSICA (COLE) LEAFY VEGETABLES (Crop Group 5)**

broccoli, Chinese broccoli, broccoli raab, Brussels sprouts, cabbage, Chinese cabbage both bok choy and napa, Chinese mustard cabbage, cauliflower, cavalo broccolo, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, rape greens

### **CUCURBIT VEGETABLES (Crop Group 9)**

chayote, Chinese waxgourd, citron melon, cucumber, gherkin, edible gourd, balsam apple, balsam pear, bitter melon, Chinese cucumber, muskmelons including cantaloupe, casaba, crenshaw melon, golden persaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon, pumpkin, winter and summer squash species, watermelon

### **FRUITING VEGETABLES (Except Cucubits)(Crop Group 8)**

eggplant, ground cherry, pepino, pepper, including bell pepper, chili pepper, cooking pepper, pimento, sweet pepper, tomatillo, tomato

### **LEAFY VEGETABLES (Except Brassica Vegetables) (Crop Group 4)**

amaranth, arugula, cardoon, celery, Chinese celery, celtuce, chervil, edible-leaved chrysanthemum, corn salad, garden cress, upland cress, dandelion, dock, endive, fennel, lettuce, orach, parsley, purslane, radicchio, rhubarb, spinach, swiss chard

### **LEGUME VEGETABLES (Succulent or Dried) (Crop Group 6)**

beans, including grain lupin, sweet lupin, white lupin, and white sweet lupin, field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, Tepary bean, wax bean, adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, broadbean, yard-long bean, broad bean, chickpea, guar, Jackbean, Lablab bean, lentil, dwarf pea, edible podded pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea, pigeon pea, soybean, sword bean

### **OILSEED GROUP (CROP GROUP 20)**

borage, calendula, castor oil plant, Chinese tallowtree, cottonseed, crambe, cuphea, echium, euphorbia, evening primrose, flax seed, gold of pleasure, Hare's ear mustard, jojoba, lesquerella, lunaria, meadowfoam, milkweed, mustard seen, niger seed, oil radish, poppy seed, rapeseed [canola], rose hip, safflower, sunflower, sesame, stokes aster, sweet rocket, tallowwood, tea oil plant, and Vernonia

### **ROOT AND TUBER VEGETABLES (Crop Group 1)**

arracacha, arrowroot, Chinese and Jerusalem artichoke, garden beet, sugar beet, edible burdock, edible canna, carrot, bitter cassava, sweet cassava, celeriac, chayote, chervil, chicory, chufa, dasheen, ginger, ginseng, horseradish, leren, parsley, parsnip, potato, radish, daikon, rutabaga, salsify, skirret, sweet potato, tanier, turmeric, turnip, yam bean, true yam

### **SUGARCANE**

<b>Application</b>	<b>Pest</b>	<b>Rate/Acre</b>	<b>Directions for Use</b>
Pre-plant Burndown	Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>● Apply in a minimum of 10 gallons spray solution per acre by ground or 5 gallons water per acre by air.</li> <li>● The addition of a COC adjuvant at a concentration of 1.0% to 2.0% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>● Use the higher rate for hard-to-control weeds.</li> <li>● Refer to page 4 for crop rotations/plantback restrictions</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● <b>DO NOT</b> exceed 3 applications or 3.4 fl oz/acre (0.0089 lb ai/acre) per year.</li> <li>● <b>DO NOT</b> apply more than 1.25 fl oz (0.0033 lb ai) per acre in a single application for this use</li> <li>● Allow a minimum of 30 days between applications for this use.</li> </ul>

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CORN (field corn, popcorn, seed corn, corn silage, corn stover)			
Application	Pest	Rate/Acre	Directions for Use
Preplant Burndown	Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>• Apply ETX Herbicide/Defoliant in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>• The addition of a COC adjuvant at a concentration of 1.0% to 2.0% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>• COC adjuvants are advised, although other adjuvants may be used.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> exceed 3 applications or 3.4 fl oz/acre (0.0089 lb ai/acre) per year for preplant burndown uses.</li> <li>• <b>DO NOT</b> apply more than 1.25 fl oz (0.0033 lb ai) per acre is a single application for this use.</li> <li>• Allow a minimum of 30 days between applications for this use.</li> </ul>
After Planting Before Crop Emergence	Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>• Apply ETX Herbicide/Defoliant in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>• The addition of a COC adjuvant at a concentration of 1.0% to 2.0% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>• COC adjuvants are advised, although other adjuvants may be used.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 1.25 fl oz/acre (0.0033 lb ai/acre) per year after planting prior to crop emergence.</li> <li>• <b>DO NOT</b> apply more than 1.25 fl oz (0.0033 lb ai) per acre is a single application for this use.</li> <li>• Allow a minimum of 30 days between applications for this use.</li> </ul>
Postemergence	Listed Broadleaf Weeds	0.3 to 0.6 fl oz/acre  (0.0008 to 0.0016 lb ai/acre)	<ul style="list-style-type: none"> <li>• Apply ETX Herbicide/Defoliant in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>• ETX Herbicide/Defoliant can be applied from crop emergence to the V4 growth stage.</li> <li>• Some temporary herbicidal leaf speckling may appear on the crop. This effect is transient and will NOT appear on new growth.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply postemergence to sweet corn.</li> <li>• Allow a minimum of 30 days between applications for this use.</li> <li>• <b>DO NOT</b> apply more than 0.6 fl oz/acre (0.0016 lb ai/acre) per year for all postemergence use patterns in this crop.</li> <li>• <b>DO NOT</b> make more than 2 applications per year for all postemergence use patterns in this crop.</li> </ul>

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			<ul style="list-style-type: none"> <li>● <b>DO NOT</b> use crop oils or crop oil concentrates for postemergence applications.</li> <li>● <b>DO NOT</b> harvest corn for silage within 50 days after last application of ETX Herbicide/Defoliant.</li> <li>● <b>DO NOT</b> harvest corn for grain or stover within 90 days after last application of ETX Herbicide/Defoliant.</li> </ul>
Postemergence Directed	Listed Broadleaf Weeds	0.3 to 0.6 fl oz/acre  (0.0008 to 0.0016 lb ai/acre)	<ul style="list-style-type: none"> <li>● ETX Herbicide/Defoliant can be applied from crop emergence to the V8 growth stage using directed spray or a drop nozzle application technique.</li> <li>● Directed or drop nozzle applications must only be made when the corn has achieved a sufficient height for the spray to be directed beneath the corn leaves.</li> <li>● Some temporary herbicidal leaf speckling may appear on the crop. This effect is transient and will NOT appear on new growth.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● <b>DO NOT</b> apply ETX Herbicide/Defoliant directly into the whorl when making a directed or drop nozzle application.</li> <li>● <b>DO NOT</b> apply postemergence to sweet corn.</li> <li>● Allow a minimum of 30 days between applications for this use.</li> <li>● <b>DO NOT</b> apply more than 0.6 fl oz/acre (0.0016 lb ai/acre) per year for all postemergence use patterns in this crop.</li> <li>● <b>DO NOT</b> make more than 2 applications per year for all postemergence use patterns in this crop.</li> <li>● <b>DO NOT</b> use crop oils or crop oil concentrates for postemergence applications.</li> <li>● <b>DO NOT</b> harvest corn for silage within 50 days after last application of ETX Herbicide/Defoliant.</li> <li>● <b>DO NOT</b> harvest corn for grain or stover within 90 days after last application of ETX Herbicide/Defoliant.</li> </ul>
<b>Corn (all uses)</b>			<ul style="list-style-type: none"> <li>● Refer to page 4 for crop rotations/plantback restrictions.</li> <li>● Use the higher rate for hard-to-control weeds.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● <b>DO NOT</b> apply more than 3.4 fl oz/acre (0.0089 lb ai/acre) per year for all preplant burndown applications.</li> <li>● <b>DO NOT</b> apply more than 1.86 fl oz/acre (0.0049 lb ai/acre) per year for all after planting prior to emergence and postemergence uses.</li> </ul>

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<b>COTTONSEED SUBGROUP (Crop Subgroup 20C)</b>			
Cottonseed; cultivars, varieties, and/or hybrids of these			
<b>Application</b>	<b>Pest</b>	<b>Rate/Acre</b>	<b>Directions for Use</b>
Preplant Burndown, After Planting Before Crop Emergence	Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>● Apply ETX Herbicide/Defoliant in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>● The addition of a COC adjuvant at a concentration of 1.0% to 2.0% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>● COC adjuvants are advised, although other adjuvants may be used.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● Allow a minimum of 30 days between applications for this use.</li> <li>● <b>DO NOT</b> apply more than 1.25 fl oz/acre(0.0033 lb ai/acre) per year for this use.</li> <li>● <b>DO NOT</b> apply more than 1.25 fl oz (0.0033 lb ai) per acre is a single application for this use.</li> </ul>
Postemergence (Hooded)	Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>● Apply to cotton having less than 3 inches of stem bark using hooded ground equipment only.</li> <li>● Avoid contact with desirable vegetation.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● <b>DO NOT</b> apply more than 1.25 fl oz/acre (0.0033 lb ai/acre) per year for this use.</li> <li>● <b>DO NOT</b> apply more than 1.25 fl oz (0.0033 lb ai) per acre is a single application for this use.</li> <li>● Allow a minimum of 30 days between applications for this use.</li> <li>● <b>DO NOT</b> apply by air for this use.</li> </ul>
Postemergence (Layby)	Listed Broadleaf Weeds	0.3 to 0.6 fl oz/acre  (0.0008 to 0.0016 lb ai/acre)	<ul style="list-style-type: none"> <li>● Apply when the cotton has attained an average height of 18 inches or more and having at least 3 inches of stem bark using hooded or post-directed ground spray equipment only.</li> <li>● Avoid contact with desirable vegetation.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● <b>DO NOT</b> apply more than 0.6 fl oz/acre (0.0016 lb ai/acre) per year for this use.</li> <li>● <b>DO NOT</b> apply more than 0.6 fl oz (0.0016 lb ai) per acre is a single application for this use.</li> <li>● Allow a minimum of 30 days between applications for this use.</li> <li>● <b>DO NOT</b> apply by air for this use.</li> </ul>
Preconditioning		0.2 to 0.46 fl oz/acre  (0.0005 to 0.0012 lb ai/acre)	<ul style="list-style-type: none"> <li>● ETX Herbicide/Defoliant may be used as a preconditioner to enhance the activity of a defoliation application.</li> <li>● Apply using 20 to 30 gallons of water per acre by ground or 5 gallons of water per acre by air.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● <b>DO NOT</b> exceed 2 applications or 3.4 fl oz/acre (0.0089 lb ai/acre) per year for all defoliation applications to cotton.</li> </ul>

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			<ul style="list-style-type: none"> <li>● <b>DO NOT</b> apply more than 0.46 fl oz (0.0012 lb ai) per acre is a single application for this use.</li> <li>● Timing of application is advised 7 to 14 days prior to a defoliation application of ETX Herbicide/Defoliant or the use of another defoliant. Refer to the defoliation section below prior to use for complete recommendations.</li> </ul>
Defoliation	Defoliation of Cotton	0.9 to 1.7 fl oz/acre  (0.0024 to 0.0045 lb ai/acre)	<ul style="list-style-type: none"> <li>● Apply when sufficient mature bolls have developed to produce desired yield; generally greater than 60%.</li> <li>● Adequate defoliation is generally achieved within 7 to 14 days, depending upon weather and crop conditions.</li> <li>● Apply using 20 to 30 gallons of water per acre by ground or 5 gallons of water per acre by air.</li> <li>● ETX Herbicide/Defoliant may be tank mixed or applied in sequence with other defoliant products.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● <b>DO NOT</b> exceed 2 applications or 3.4 fl oz/acre (0.0089 lb ai/acre) for defoliation of cotton.</li> <li>● <b>DO NOT</b> apply more than 1.7 fl oz (0.0045 lb ai) per acre is a single application for this use.</li> <li>● Applications must be a minimum of 7 days apart.</li> </ul>
<b>Cottonseed (all uses)</b>			<ul style="list-style-type: none"> <li>● Refer to page 4 for crop rotations/plantback restrictions.</li> <li>● Use the listed higher rates for hard-to-control weeds.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● <b>DO NOT</b> apply more than 5.27 fl oz/acre (0.0138 lb ai/acre) per year for all preplant burndown, after planting, before crop emergence, postemergence (Hooded), postemergence (layby), preconditioning and defoliation applications combined.</li> <li>● Preharvest Interval (PHI) = 7 days</li> </ul>

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<b>HOPS [Not for Use in California]</b>			
<b>Application</b>	<b>Pest</b>	<b>Rate/ Acre</b>	<b>Directions for Use</b>
In-Season	Listed Broadleaf Weeds  Sucker Management	1.0 to 2.0 fl oz/acre  (0.0027 to 0.0052 lb ai/acre)	<ul style="list-style-type: none"> <li>• Apply in a minimum of 20 gallons spray solution per acre by ground equipment to target weeds and sucker growth.</li> <li>• Direct application to the lower 12-18 inches of the hops plant and extend out to approximately 20-40 inches from each side of the row.</li> <li>• Calculate the rate on a treated acre basis as follows: assuming a plot length of 50 feet, calculations would be 1.5 feet (if 18 inch extension), 2 feet (if 24 inch extension) x 50 feet x 2 passes (one on each side of the vine).</li> <li>• Use of a COC adjuvant at a concentration of 1% to 2% is directed for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>• COC adjuvants are advised, although other adjuvants may be used.</li> <li>• Use the higher rate for hard-to-control weeds.</li> <li>• For the management of undesirable sucker growth on the basal portion of trunks, root sprouts and vine trunks, growth must be controlled when the tissue is young, immature and/or not hardened off.</li> <li>• Avoid contact with green, uncalled bark of young vines established less than one year unless protected from spray contact by nonporous wraps, grow tubes, or waxed containers.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• Allow a minimum of 30 days between applications for this use.</li> <li>• Preharvest Interval (PHI): 30 days.</li> <li>• <b>DO NOT</b> apply by air for this use.</li> <li>• <b>DO NOT</b> allow spray to drift onto desirable fruit, foliage, vines, or trees as damage will occur.</li> <li>• <b>DO NOT</b> exceed 2.0 fl oz (0.0052 lb ai) per acre in a single application for this use.</li> <li>• <b>DO NOT</b> exceed a combined total of 2 applications per year for these uses.</li> <li>• <b>DO NOT</b> exceed 4.0 fl oz (0.0105 lb ai) per acre per year for all applications combined.</li> </ul>



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<b>PEANUT [Not for use in California.]</b>			
<b>Application</b>	<b>Pest</b>	<b>Rate/Acre</b>	<b>Recommendations and Use Restrictions</b>
Preplant Burndown	Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>Apply in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>The addition of a COC adjuvant at a concentration of 1% to 2% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li><b>DO NOT</b> apply more than 1.25 fl oz/acre (0.0033 lb ai/acre) per year for all preplant burndown applications.</li> <li><b>DO NOT</b> apply more than 1.25 fl oz (0.0033 lb ai) per acre in a single application for this use.</li> </ul>
After Planting Before Crop Emergence	Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>Apply in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>The addition of a COC adjuvant at a concentration of 1% to 2% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li><b>DO NOT</b> apply more than 1.25 fl oz/acre (0.0033 lb ai/acre) per year for all after planting before crop emergence applications.</li> <li><b>DO NOT</b> apply more than 1.25 fl oz/acre (0.0033 lb ai/acre) in a single application for this use.</li> </ul>
Postemergence	Listed Broadleaf Weeds	0.6 to 1.25 fl oz/acre  (0.0016 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>Apply in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>The addition of a NIS adjuvant at a concentration of 0.25% is advised for optimum weed control.</li> <li>Allow a minimum of 30 days between applications for this use.</li> <li>Some temporary herbicidal leaf speckling may appear on the crop. This effect is transient and will NOT appear on new growth.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li><b>DO NOT</b> make more than 2 applications or exceed 2.5 fl oz/acre (0.0065 lb ai/acre) per year for postemergence applications. <b>NOTE:</b> The yearly maximum is 2.5 fl oz/acre (0.0065 lb ai/acre) for all applications combined (pre-plant burndown + after planting before crop emergence + postemergence).</li> <li><b>DO NOT</b> apply more than 1.25 fl oz/acre (0.0033 lb ai/acre) in a single application for this use.</li> <li><b>DO NOT</b> use crop oils or crop oil concentrates for postemergence applications.</li> </ul>
<b>PEANUT (all uses)</b>			<ul style="list-style-type: none"> <li>Refer to page 4 for crop rotations/plantback restrictions.</li> <li>Use the listed higher rates for hard to control weeds.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li><b>DO NOT</b> apply more than 2.5 fl oz/acre (0.0065 lb ai/acre) per year for all preplant burndown, after planting</li> </ul>

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	<p>prior to emergence, and postemergence applications combined.</p> <ul style="list-style-type: none"><li>• Pre-harvest Interval (PHI): 7 days</li></ul>
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<b>SOYBEAN [Not for use in California.]</b>			
<b>Application</b>	<b>Pest</b>	<b>Rate/Acre</b>	<b>Directions for Use</b>
Preplant Burndown, After Planting Before Crop Emergence	Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>● Apply ETX Herbicide/Defoliant in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>● The addition of a COC adjuvant at a concentration of 1.0% to 2.0% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>● COC adjuvants are advised, although other adjuvants may be used.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● Allow a minimum of 30 days between applications for this use.</li> <li>● <b>DO NOT</b> apply more than 1.25 fl oz/acre (0.0033 lb ai/acre) per year prior to planting and/or emergence of crop.</li> <li>● <b>DO NOT</b> apply more than 1.25 fl oz (0.0033 lb ai) per acre in a single application for this use.</li> </ul>
Postemergence	Listed Broadleaf Weeds	0.25 to 0.6 fl oz/acre  (0.0007 to 0.0016 lb ai/acre)	<ul style="list-style-type: none"> <li>● Apply ETX Herbicide/Defoliant in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>● ETX Herbicide/Defoliant can be applied from crop emergence to the V6 growth stage.</li> <li>● Some temporary herbicidal leaf speckling may appear on the crop. This effect is transient and will NOT appear on new growth.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● Allow a minimum of 30 days between applications for this use.</li> <li>● <b>DO NOT</b> apply more than 0.6 fl oz/acre for this use (0.0016 lb ai/acre) per year.</li> <li>● <b>DO NOT</b> make more than 2 applications per year for this use.</li> <li>● <b>DO NOT</b> apply more than 0.6 fl oz (0.0016 lb ai) per acre in a single application for this use.</li> <li>● <b>DO NOT</b> use crop oils or crop oil concentrates for postemergence applications.</li> </ul>
<b>Soybean (all uses)</b>			<ul style="list-style-type: none"> <li>● Refer to page 4 for crop rotations/plantback restrictions.</li> <li>● Use the higher rate for hard-to-control weeds.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● <b>DO NOT</b> apply more than 1.86 fl oz/acre (0.0049 lb ai/acre) per year for all preplant burndown, after planting before crop emergence and postemergence applications combined.</li> <li>● <b>DO NOT</b> graze soybean forage or cut for hay within 7 days of last ETX Herbicide/Defoliant application.</li> <li>● <b>DO NOT</b> harvest soybeans for grain within 70 days after last application of ETX Herbicide/Defoliant.</li> </ul>

**TUBEROUS AND CORM VEGETABLES SUBGROUP (CROP SUBGROUP 1C)**

Arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava, bitter and sweet; chayote (root); chufa; dasheen; ginger; leren; potato; sweet potato; tanager; turmeric; yam bean; yam, true

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ETX Herbicide/Defoliant may be tank mixed or applied in sequence with other desiccants such as diquat for improved desiccation.			
Application	Pest	Rate/Acre	Directions for Use
Pre-plant Burndown	Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>Apply in a minimum of 10 gallons spray solution per acre by ground or 5 gallons water per acre by air.</li> <li>The addition of a COC adjuvant at a concentration of 1% to 2% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li><b>DO NOT</b> apply more than 1.25 fl oz/acre (0.0033 lb ai/acre) per year for all preplant burndown applications.</li> <li><b>DO NOT</b> apply more than 1.25 fl oz/acre (0.0033 lb ai/acre) in a single application for this use.</li> <li>Allow a minimum of 30 days between applications for this use.</li> </ul>
After Planting Before Crop Emergence	Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>Apply in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>The addition of a COC adjuvant at a concentration of 1% to 2% is recommended for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li><b>DO NOT</b> apply more than 1.25 fl oz/acre (0.0033 lb ai/acre) per year for all after planting before crop emergence applications.</li> <li><b>DO NOT</b> apply more than 1.25 fl oz/acre (0.0033 lb ai/acre) in a single application for this use.</li> </ul>
Desiccation	Potato Foliage and Vines  Listed Broadleaf Weeds	1.72 to 3.4 fl oz/acre  (0.0045 to 0.0089 lb ai/acre)	<ul style="list-style-type: none"> <li>Apply as a foliar spray in the early stage of crop senescence.</li> <li>Apply by air at 5 gallons per acre or 20 to 50 gallons per acre by ground equipment.</li> <li>A repeat application of ETX Herbicide/Defoliant or another desiccant may be needed under certain climatic conditions for complete desiccation.</li> <li>ETX Herbicide/Defoliant may be tank mixed or applied in sequence with other desiccants such as diquat or glufosinate for improved desiccation.</li> <li>Higher water volumes must be used in dense canopy conditions.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>Make 1 to 2 applications at a minimum 7-day interval.</li> <li><b>DO NOT</b> exceed 2 applications or 6.8 fl oz/acre (0.0179 lb ai/acre) per year for desiccation.</li> <li><b>DO NOT</b> apply more than 3.4 fl oz/acre (0.0089 lb ai/acre) in a single application for this use.</li> <li>Preharvest Interval (PHI) = 7 days</li> </ul>

<p><b>TUBEROUS AND CORM VEGETABLES SUBGROUP (CROP SUBGROUP 1C) (all uses)</b></p>	<ul style="list-style-type: none"><li>• Refer to page 4 for crop rotations/plantback restrictions.</li><li>• Use the listed higher rates for hard to control weeds.</li></ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"><li>• <b>DO NOT</b> apply more than 6.8 fl oz/acre (0.0179 lb ai/acre) per year for all preplant burndown, after planting prior to emergence, and desiccation applications combined.</li><li>• Pre-harvest Interval (PHI): 7 days</li></ul>
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WHEAT, TRITICALE			
Application	Pest	Rate/Acre	Directions for Use
Preplant Burndown	Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>• Apply ETX Herbicide/Defoliant in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>• The addition of a COC adjuvant at a concentration of 1.0% to 2.0% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>• COC adjuvants are advised, although others adjuvants may be used.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 1.25 fl oz (0.0033 lb ai) per acre in a single application for this use.</li> <li>• <b>DO NOT</b> exceed 3 applications or 3.4 fl oz/acre (0.0089 lb ai/acre) per year for preplant burndown uses.</li> <li>• Allow a minimum of 30 days between applications for this use.</li> </ul>
After Planting Before Crop Emergence	Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>• Apply ETX Herbicide/Defoliant in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>• The addition of a COC adjuvant at a concentration of 1.0% to 2.0% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>• COC adjuvants are advised, although others adjuvants may be used.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• Allow a minimum of 30 days between applications for this use.</li> <li>• <b>DO NOT</b> apply more than 1.25 fl oz/acre (0.0033 lb ai/acre) per year after planting before emergence of crop.</li> <li>• <b>DO NOT</b> apply more than 1.25 fl oz (0.0033 lb ai) per acre in a single application for this use.</li> </ul>
Postemergence	Listed Broadleaf Weeds	0.3 to 0.6 fl oz/acre  (0.0008 to 0.0016 lb ai/acre)	<ul style="list-style-type: none"> <li>• ETX Herbicide/Defoliant can be applied from crop emergence to the appearance of the flag leaf.</li> <li>• Apply ETX Herbicide/Defoliant in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>• The addition of a NIS adjuvant at a concentration of 0.25% is advised for optimum weed control.</li> <li>• Some temporary herbicidal leaf speckling may appear on the crop. This effect is transient and will NOT appear on new growth.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply ETX Herbicide/Defoliant to flag leaf stage or beyond.</li> <li>• <b>DO NOT</b> apply more than 0.6 fl oz/acre (0.0016 lb ai/acre) for this use per year.</li> <li>• <b>DO NOT</b> apply more than 0.6 fl oz (0.0016 lb ai) per acre in a single application for this use.</li> </ul>

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			<ul style="list-style-type: none"> <li>• Allow a minimum of 30 days between applications for this use.</li> <li>• <b>DO NOT</b> apply more than 2 applications per year.</li> </ul>
[Postemergence in CA only]	[Listed Broadleaf Weeds]	[0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)]	<ul style="list-style-type: none"> <li>• [Limited to the State of California for postemergence uses.</li> <li>• ETX Herbicide/Defoliant can be applied from crop emergence to the appearance of the flag leaf.</li> <li>• Apply in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>• The addition of a NIS adjuvant or silicone surfactant is recommended for optimum weed control. Refer to adjuvant or surfactant label for rates.</li> <li>• Some temporary herbicidal leaf speckling may appear on the crop. This effect is transient and will NOT appear on new growth.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply ETX Herbicide/Defoliant to flag leaf stage or beyond.</li> <li>• <b>DO NOT</b> make more than 2 application or exceed 1.25 fl oz/acre (0.0033 lb ai/acre) per year for this use.</li> <li>• <b>DO NOT</b> use for forage within 30 days of last application.</li> <li>• <b>DO NOT</b> apply more than 1.25 fl oz (0.0033 lb ai) per acre in a single application for this use.</li> <li>• In California, <b>DO NOT</b> apply more than 2.5 fl. oz/acre (0.0065 lb ai/acre) per year for all after planting prior to crop emergence and postemergence uses combined.]</li> </ul>
<b>Wheat, Triticale (all uses)</b>			<ul style="list-style-type: none"> <li>• Refer to page 4 for crop rotations/plantback restrictions.</li> <li>• Use the higher rate for hard-to-control weeds.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 3.4 fl oz/acre (0.0089 lb ai/acre) per year for all preplant burndown applications.</li> <li>• <b>DO NOT</b> apply more than 1.87 fl oz/acre (0.0049 lb ai/acre) per year for all after planting prior to emergence and postemergence uses.</li> <li>• <b>DO NOT</b> harvest wheat or triticale for hay within 21 days of the last ETX Herbicide/Defoliant application.</li> <li>• <b>DO NOT</b> harvest wheat or triticale for grain within 60 days after last application of ETX Herbicide/Defoliant.</li> </ul>

**BEARING AND NON-BEARING:**

**POMEGRANATE**

**POME FRUIT GROUP (Crop Group 11-10)**

apple; azarole; crabapple; loquat; mayhaw; medlar; pear; pear, Asian; quince; quince, Chinese; quince, Japanese; tejocote; cultivars, varieties, and/or hybrids of these.

**SMALL FRUIT VINE CLIMBING SUBGROUP EXCEPT FUZZY Kiwifruit (Crop Group 13-07F)**

amur river grape; gooseberry; grape; kiwifruit, hardy; Maypop; schisandra berry; cultivars varieties, and/or hybrids of these.

**STONE FRUIT GROUP (Crop Group 12-12)**

apricot; apricot, Japanese; capulin; cherry, black; cherry, Nanking; cherry, sweet; cherry, tart; Jujube, Chinese; nectarine; peach; plum; plum, American; plum, beach; plum, Canada; plum, cherry; plum, Chickasaw; plum, Damson; plum, Japanese; plum, Klamath; plum, prune; plumcot; sloe; cultivars, varieties, and/or hybrids of these.

**TREE NUT GROUP (Crop Group 14-12)**

African nut-tree; almond; beechnut; Brazil nut; Brazilian pine; bunya; bur oak; butternut; Cajou nut; candlenut; cashew; chestnut; chinquapin; coconut; coquito nut; dika nut; ginkgo; Guiana chestnut; hazelnut (Filbert); heartnut; hickory nut; Japanese horse-chestnut; macadamia nut; mongongo nut; monkey-pot; monkey puzzle nut; Okari nut; Pachira nut; peach palm nut; pecan; pequi; Pili nut; pine nut; pistachio; Sapucaia nut; tropical almond; walnut, black; walnut, English; yellowhorn; cultivars, varieties, and/or hybrids of these.

**TROPICAL AND SUBTROPICAL, SMALL FRUIT, EDIBLE PEEL SUBGROUP (Crop Subgroup 23A)**

acerola; African plum; agritos; almondette; appleberry; arbutus berry; bayberry, red; bignay; breadnut; cabeluda; carandas-plum; Ceylon iron wood; Ceylon olive; cherry-of-the-Rio-Grande; Chinese olive, black; Chinese olive, white; chirauli-nut; cocoplum; desert-date; false sandalwood; fragrant manjack; gooseberry, abyssinian; gooseberry, Ceylon; gooseberry, otaheite; governor's plum; grumichama; guabiroba; guava berry; guava, Brazilian; guava, Costa Rican; guayabillo; illawarra plum; Indian-plum; Jamaica-cherry; jambolan; kaffir-plum; kakadu plum; kapundung; karanda; lemon aspen; mombin, yellow; monos plum; mountain cherry; olive; persimmon, black; pitomba; plum-of-Martinique; rukam; rumberry; sea grape; sete-capotes; silver aspen; water apple; water pear; water berry; wax jambu; cultivars, varieties, and hybrids of these commodities

Appli-cation	Pest	Rate/Acre	Maximum Applications Per Year	Directions for Use
Post-harvest, Dormant, Pre-bloom	Listed Broadleaf Weeds	0.5 to 2.0 fl oz/acre  (0.0013 to 0.0052 lb ai/acre)	<b>DO NOT</b> exceed 3 applications per year for this use.	<ul style="list-style-type: none"> <li>Apply in a minimum of 20 gallons spray solution per acre by ground equipment to target weeds and sucker growth.</li> <li>The addition of a COC adjuvant at a concentration of 1.0% to 2.0% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>Avoid contact with green, uncallused bark of young vines, established less than one year, unless protected from spray contact by non-porous wraps, grow tubes, or waxed containers.</li> <li>Use the higher rate for hard-to-control weeds.</li> <li>For the management of undesirable sucker growth on the basal portion of trunks, root sprouts and vine trunks. Growth must be controlled when the tissue is young, immature and/or not hardened off.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li><b>DO NOT</b> exceed 3.4 fl oz/acre (0.0089 lb ai/acre) per year for all post-harvest,</li> </ul>
	Sucker Management	1.5 to 2.0 fl oz/acre  (0.004 to 0.0052 lb ai/acre)	<b>DO NOT</b> exceed 2 applications per year for this use.	
In-Season	Listed Broadleaf Weeds	0.5 to 2.0 fl oz/acre  (0.0013 to 0.0052 lb ai/acre)	<b>DO NOT</b> exceed a combined total of 2 applications per year for these uses.	



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	Sucker Management	1.5 to 2.0 fl oz/acre  (0.004 to 0.0052 lb ai/acre)		dormant, and prebloom applications combined. <ul style="list-style-type: none"><li>• <b>DO NOT</b> exceed 3.4 fl oz/acre (0.0089 lb ai/acre) per year for all in-season applications combined.</li><li>• <b>DO NOT</b> apply by air for this use.</li><li>• <b>DO NOT</b> allow spray to drift onto desirable fruit, foliage or vines, as damage will occur.</li><li>• Allow a minimum of 30 days between applications for this use.</li><li>• Preharvest Interval (PHI) = 0 days.</li></ul>
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BEARING AND NON-BEARING: DATES, FEIJOA, FIGS, KIWIFRUIT, MANGO, PERSIMMON				
Application	Pest	Rate/ Acre	Maximum Applications Per Year	Directions for Use
Post-harvest, Dormant, Prebloom	Listed Broadleaf Weeds	0.5 to 2.0 fl oz/acre  (0.0013 to 0.0052 lb ai/acre)	<b>DO NOT</b> exceed 3 applications per year for this use.	<ul style="list-style-type: none"> <li>● Apply in a minimum of 20 gallons spray solution per acre by ground equipment to target weeds and sucker growth.</li> <li>● The addition of a COC adjuvant at a concentration of 1.0% to 2.0% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>● COC adjuvants are advised, although other adjuvants may be used.</li> <li>● Avoid contact with green, uncallused bark of young trees/vines, established less than one year, unless protected from spray contact by non-porous wraps, grow tubes, or waxed containers.</li> <li>● Use the higher rate for hard-to-control weeds.</li> <li>● For the management of undesirable sucker growth on the basal portion of trunks, root sprouts and tree/vine trunks. Growth must be controlled when the tissue is young, immature and/or not hardened off.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● <b>DO NOT</b> exceed 3.4 fl oz/acre (0.0089 lb ai/acre) per year for all post-harvest, dormant, and prebloom applications combined.</li> <li>● <b>DO NOT</b> apply more than 2.0 fl oz (0.0052 lb ai) per acre in a single application for this use.</li> <li>● <b>DO NOT</b> apply by air for this use.</li> <li>● <b>DO NOT</b> allow spray to drift onto desirable fruit, foliage or vines/trees, as damage will occur.</li> <li>● Allow a minimum of 30 days between applications for this use.</li> </ul>
	Sucker Management	1.5 to 2.0 fl oz/acre  (0.0041 to 0.0052 lb ai/acre)	<b>DO NOT</b> exceed 2 applications per year for this use.	

NON-BEARING ONLY: DATES, FEIJOA, FIGS, KIWIFRUIT, MANGO, PERSIMMON				
Application	Pest	Rate/ Acre	Maximum Applications Rate/Year	Directions for Use

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In-Season	Listed Broadleaf Weeds	0.5 to 2.0 fl oz/acre  (0.0013 to 0.0052 lb ai/acre)	<p><b>DO NOT</b> exceed a combined total of 2 applications per year for these uses.</p>	<ul style="list-style-type: none"> <li>● Apply in a minimum of 20 gallons spray solution per acre by ground equipment to target weeds and sucker growth.</li> <li>● The addition of a COC adjuvant at a concentration of 1.0% to 2.0% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>● COC adjuvants are advised, although other adjuvants may be used.</li> <li>● Avoid contact with green, uncallused bark of young trees or vines, established less than one year, unless protected from spray contact by non-porous wraps, grow tubes, or waxed containers.</li> <li>● Use the higher rate for hard-to-control weeds.</li> <li>● For the management of undesirable sucker growth on the basal portion of trunks, root sprouts and tree/vine trunks. Growth must be controlled when the tissue is young, immature and/or not hardened off.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● <b>DO NOT</b> exceed 3.4 fl oz/acre (0.0089 lb ai/acre) per year for all in-season applications combined.</li> <li>● <b>DO NOT</b> apply more than 2.0 fl oz (0.0052 lb ai) per acre in a single application for this use.</li> <li>● <b>DO NOT</b> apply by air for this use.</li> <li>● <b>DO NOT</b> allow spray to drift onto desirable fruit, foliage, vines or trees, as damage will occur.</li> <li>● Allow a minimum of 30 days between applications for this use.</li> </ul>
	Sucker Management	1.55 to 2.0 fl oz/acre  (0.0041 to 0.0052 lb ai/acre)		

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<b>NONBEARING ONLY</b> <b>CITRUS FRUIT GROUP (Crop Group 10-10)</b> Australian desert lime; Australian finger lime; Australian round lime; Brown River finger lime; calamondin; citron; citrus hybrids; grapefruit; Japanese summer grapefruit; kumquat; lemon; lime; Mediterranean mandarin; Mount White lime; New Guinea wild lime; orange, sour; orange, sweet; pummelo; Russell River lime; satsuma mandarin; sweet lime; tachibana orange; Tahiti lime; tangelo; tangerine (mandarin, clementine); tangor; trifoliolate orange; unqi fruit; cultivars, varieties, and/or hybrids of these				
Application	Pest	Rate/Acre	Maximum Applications Per Year	Directions for Use
Dormant	Listed Broadleaf Weeds	0.45 to 2.05 fl oz/acre  (0.0012 to 0.0054 lb ai/acre)	<b>DO NOT</b> exceed a combined total of 3 applications per year for this use.	<ul style="list-style-type: none"> <li>• Apply in a minimum of 20 gallons spray solution per acre by ground equipment to target weeds.</li> <li>• Allow a minimum of 30 days between applications for this use.</li> <li>• The addition of a COC adjuvant at a concentration of 1% to 2% is directed for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>• COC adjuvants are advised, though other adjuvants may be used.</li> <li>• Avoid spray contact with any foliage or low hanging branches (tree skirts) and with green, uncallused bark of young trees.</li> <li>• Use the higher rate for hard-to-control weeds.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> exceed 3.5 fl oz/acre (0.0091 lb ai/acre) per year for dormant applications.</li> <li>• <b>DO NOT</b> exceed 6.06 fl oz/acre (0.0159 lb ai/acre) per year for all in-season applications combined.</li> <li>• <b>DO NOT</b> apply by air for this use.</li> <li>• <b>DO NOT</b> allow spray to drift onto foliage.</li> </ul>
In-Season	Listed Broadleaf Weeds	0.45 to 2.05 fl oz/acre  (0.0012 to 0.0054 lb ai/acre)	<b>DO NOT</b> exceed a combined total of 3 applications per year for this use.	

### SPOT TREATMENT

For spot treatment to listed broadleaf weeds or for sucker management, refer to the information below to determine the amount of ETX Herbicide/Defoliant to add to a tank. Spray using a pressure (pump-up) sprayer (or similar application equipment) until wet but prior to runoff. Use information for rates, concentrations, water volumes, and timing and frequency of application can be found in the Rate/Acre and Application Instructions columns in the APPLICATION AND DOSAGE tables. Please refer to and follow all precautions and restrictions under Directions for Use for the crop to be treated.

#### Fluid oz of ETX Herbicide/Defoliant to add to sprayer tank

Sprayer tank capacity (gallons)	Spray volume (gallons/A)	fluid oz ETX Herbicide/Defoliant to add per tank for a rate of 0.45 fl oz/A (0.0012 lb ai/A)	fluid oz ETX Herbicide/Defoliant to add per tank for a rate of 2.05 fl oz/A (0.0054 lb ai/A)
1	20	0.02	0.10
3	20	0.07	0.31
5	20	0.11	0.51
10	20	0.23	1.03

#### Formula

$$\text{Fluid oz ETX Herbicide/Defoliant to add to sprayer tank} = \frac{\text{Application rate} \times \text{Sprayer tank capacity}}{\text{Spray volume}}$$

#### Example Calculation for 1 gallon sprayer tank capacity

$$\begin{aligned} \text{Fluid oz ETX Herbicide/Defoliant to add to sprayer tank} &= \frac{2.05 \text{ fl oz /A} \times 1 \text{ gallon}}{20 \text{ gallons/A}} \\ &= 0.10 \text{ fl oz} \end{aligned}$$

where: Application rate = 2.05 fl oz/A  
Sprayer tank capacity = 1 gallon  
Spray volume = 20 gallons/A

#### Example Calculation for 5 gallon sprayer tank capacity

$$\begin{aligned} \text{Fluid oz ETX Herbicide/Defoliant to add to sprayer tank} &= \frac{2.05 \text{ fl oz /A} \times 5 \text{ gallons}}{20 \text{ gallons/A}} \\ &= 0.51 \text{ fl oz} \end{aligned}$$

where: Application rate = 2.05 fl oz/A  
Sprayer tank capacity = 5 gallons  
Spray volume = 20 gallons/A

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PASTURE AND RANGELAND		
Pest	Rate/Acre	Directions for Use
Listed Broadleaf Weeds	0.46 to 1.7 fl oz/acre  (0.0012 to 0.0045 lb ai/acre)	<ul style="list-style-type: none"> <li>● Apply in a minimum of 2 gallons water per acre by air or 10 gallons water per acre by ground for this application.</li> <li>● The addition of a crop oil or spray tank adjuvant at a concentration of 0.5% to 1.0% is advised for optimum weed control.</li> <li>● Livestock may graze treated areas as soon as the spray solution has dried on the foliage.</li> <li>● Refer to page 4 for crop rotations/plantback restrictions.</li> <li>● Use the higher rate for hard-to-control weeds.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● Allow a minimum of 14 days between applications for this use.</li> <li>● <b>DO NOT</b> make more than 2 applications or exceed 3.4 fl oz/acre (0.0089 lb ai/acre) per year for this use.</li> <li>● <b>DO NOT</b> apply more than 1.7 fl oz (0.0045 lb ai) per acre in a single application for this use.</li> </ul>

FALLOW BED AND CROP STUBBLE			
Application	Pest	Rate/Acre	Directions for Use
Preplant Burndown	Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>● Apply ETX Herbicide/Defoliant in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>● The addition of a COC adjuvant at a concentration of 1.0% to 2.0% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>● COC adjuvants are advised, although other adjuvants may be used.</li> <li>● Refer to page 4 for crop rotations/plantback restrictions.</li> <li>● Use the higher rate for hard-to-control weeds.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>● Allow a minimum of 30 days between applications for this use.</li> <li>● <b>DO NOT</b> make more than 3 applications or exceed 3.4 fl oz/acre (0.0089 lb ai/acre) during the fallow period.</li> <li>● <b>DO NOT</b> apply more than 1.25 fl oz (0.0033 lb ai/acre) per acre in a single application for this use.</li> </ul>

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NON-CROPLAND, UNCULTIVATED AGRICULTURAL AREAS, CONSERVATION RESERVE PROGRAM LAND/FEDERAL SET-ASIDE ACREAGE* (NON FOOD PRODUCING)		
Pest	Rate/Acre	Directions for Use
Listed Broadleaf Weeds	0.3 to 1.25 fl oz/acre  (0.0008 to 0.0033 lb ai/acre)	<ul style="list-style-type: none"> <li>• Apply ETX Herbicide/Defoliant in a minimum of 5 gallons spray solution per acre by air or 10 gallons spray solution per acre by ground.</li> <li>• The addition of a COC adjuvant at a concentration of 1.0% to 2.0% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions. Refer to page 4 for crop rotations/plantback restrictions.</li> <li>• COC adjuvants are advised, although other adjuvants may be used.</li> <li>• Use the higher rate for hard-to-control weeds.</li> <li>• Applications to non-cropland areas are not applicable to treatment of commercial timber or other plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• Allow a minimum of 30 days between applications for this use.</li> <li>• <b>DO NOT</b> make more than 3 applications or exceed 3.4 fl oz/acre (0.0089 lb ai/acre) per year.</li> <li>• <b>DO NOT</b> apply more than 1.25 fl oz (0.0033 lb ai) per acre in a single application for this use.</li> </ul>

\*Follow federal, state and local rules for use on grass and hay.

NONCROP WEED CONTROL: AIRPORTS AND AIRFIELDS, COMMERCIAL PLANTS, STORAGE AND LUMBER YARDS, FENCE LINES AND FENCE ROWS, FARMYARDS AND FARM BUILDINGS, BARRIER STRIPS AND FIREBREAKS, EQUIPMENT AREAS, NURSERIES AND ORNAMENTAL PLANTINGS, CHRISTMAS TREES AND CONIFER PLANTATION SITE PREPARATION, RAILROADS, ROADSIDE AND UTILITY RIGHTS-OF-WAY, FUEL TANK FARMS AND PUMPING STATIONS, DRY DITCHES AND DITCHBANKS, VACANT LOTS, OR OTHER AGRICULTURAL AND INDUSTRIAL NON-CROP SITES		
Pest	Rate/Acre	Directions for Use
Listed Broadleaf Weeds	0.3 to 1.7 fl oz/acre  (0.0008 to 0.0045 lb ai/acre)	<ul style="list-style-type: none"> <li>• Apply ETX Herbicide/Defoliant in a minimum of 20 to 40 gallons spray solution per acre by ground.</li> <li>• Avoid contact with desirable vegetation.</li> <li>• The addition of a COC adjuvant at a concentration of 1.0% to 2.0% is advised for optimum weed control. Use the higher COC rate for larger labeled weed species or in low moisture conditions.</li> <li>• COC adjuvants are advised, although other adjuvants may be used.</li> <li>• Use the higher rate for hard-to-control weeds.</li> </ul> <p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> make more than 3 applications or exceed 5.1 fl oz/acre (0.0134 lb ai/acre) per year.</li> <li>• <b>DO NOT</b> apply more than 1.7 fl oz (0.0045 lb ai) per acre in a single application for this use.</li> <li>• For applications to ornamental plantings, <b>DO NOT</b> allow people (other than the applicator) or pets on treatment area during the application and until sprays have dried.</li> </ul>

## DIRECTIONS FOR USE – Turfgrass

### USE RESTRICTIONS

- **DO NOT** apply by air.
- **DO NOT** allow people (other than the applicator) or pets on treatment area during the application and until sprays have dried.
- **DO NOT** exceed 6.85 fl. oz. (0.0179 lb a.i.) per acre per year.
- **DO NOT** exceed 2.05 fl oz (0.0054 lb ai) per acre in a single application for applications to control broadleaf weeds.
- **DO NOT** apply to lawns or turf where clovers and carpetgrass are desirable
- Allow at least 30 days between applications for control of broadleaf weeds.

### Turfgrass Use PrecautionsTolerance

Turfgrass species tolerant to application of ETX Herbicide/Defoliant at labeled rates are listed below. For turfgrass species not listed on this label, the user should apply ETX Herbicide/Defoliant to a small test area to assure tolerance. A slight transitory yellowing or discoloration may occur on some sensitive turfgrass species under stress 3 to 5 days following application of ETX Herbicide/Defoliant at labeled rates. Recovery is typically 4 to 7 days from application.

**Cool Season Turfgrasses (creeping bentgrass, Kentucky bluegrass, Rough bluegrass, tall fescue, perennial ryegrass).** Cool season grasses, both newly seeded and established, are generally tolerant to application of ETX Herbicide/Defoliant at labeled rates. To evaluate tolerance of certain species, apply to a small test area before treating large areas to assure tolerance. Be aware and observe all label restrictions regarding turfgrass tolerance when ETX Herbicide/Defoliant is tank mixed with another product.

**Warm Season Turfgrasses (common and hybrid bermudagrass, centipedegrass, St. Augustinegrass, zoysiagrass).** Warm season turfgrasses listed above are generally tolerant to applications of ETX Herbicide/Defoliant at labeled rates. Centipedegrass may exhibit a slight yellow 3 to 7 days after application, however complete recovery is expected. To evaluate tolerance of certain species, apply to a small test area before treating large areas to assure tolerance. Be aware and observe all label restrictions regarding turfgrass tolerance when ETX Herbicide/Defoliant is tank mixed with another product.

### Newly Seeded, Sodded, or Sprigged Turfgrass

ETX Herbicide/Defoliant may be applied to newly seeded, sodded, or sprigged turfgrass that is established and not subject to impending stress due to moisture, temperature, or other cultural practices. Areas treated with ETX Herbicide/Defoliant may be seeded or overseeded one day following application.

### Dormant Turfgrass

Applications of ETX Herbicide/Defoliant to dormant warm season turfgrasses are permitted. Avoid applications when warm season turfgrasses are transitioning into or out of dormancy.

For applications to ornamental turf and plantings, **DO NOT** allow people (other than the applicator) or pets on treatment area during application and until sprays have dried (refer to Nonagricultural Use Requirements box). Apply ETX Herbicide/Defoliant at rates specified in the dosage table below for control of broadleaf weeds. ETX Herbicide/Defoliant is a broadleaf contact herbicide. ETX Herbicide/Defoliant may be tank mixed with other registered grass herbicides for control of grassy weeds.

**Avoid contact with desirable vegetation.**



ESTABLISHED ORNAMENTAL TURF LAWNS (INDUSTRIAL AND INSTITUTIONAL), PARKS, CEMETERIES, ATHLETIC FIELDS, GOLF COURSES (FAIRWAYS, APRONS, TEES, AND ROUGHS), SOD FARMS APPLICATIONS		
Pest	Rate/Acre	Application Instructions
Broadleaf weeds	0.5 to 2.05 fl. oz./ acre (0.011 to 0.046 fl oz/1000 ft <sup>2</sup> )  (0.0013 to 0.0054 lb ai/acre)	<ul style="list-style-type: none"> <li>• For ground application, use a minimum of 20 gallons of water per acre.</li> <li>• Use of a non-ionic surfactant at labeled rates to obtain best results.</li> <li>• Tank mixes including other broadleaf herbicides with ETX Herbicide/Defoliant may be needed for control of larger weeds.</li> <li>• For tank mixing with herbicides follow the tank mix directions.</li> </ul>

**Spray Concentrate**

Make an appropriate amount of spray concentrate for the area to be treated by adding 5.08 fl oz (0.0133 lb ai) of ETX Herbicide/Defoliant to 120 fl oz of water (e.g., 0.5 fl oz of ETX Herbicide/Defoliant to 12 fl oz water). Use the appropriate amount of concentrate as specified in the dosage tables below for application by pressure (pump-up) sprayer, hose-end applicator, or similar application equipment.

**Spot Treatment**

For spot treatment to listed broadleaf weeds in turfgrass, refer to the information below to determine the amount of ETX Herbicide/Defoliant to add to a tank. Spray using a pressure sprayer (backpack sprayer) until wet but prior to runoff.

**Fluid oz of ETX Herbicide/Defoliant to add to sprayer tank**

Sprayer tank capacity (gallons)	Spray volume (gallons/A)	fluid oz ETX Herbicide/Defoliant to add per tank for a rate of 0.45 fl oz/A (0.0012 lb ai/A)	fluid oz ETX Herbicide/Defoliant to add per tank for a rate of 2.05 fl oz/A (0.0054 lb ai/A)
1	20	0.02	0.10
3	20	0.07	0.31
5	20	0.11	0.51
10	20	0.23	1.03

**Formula**

$$\text{Fluid oz ETX Herbicide/Defoliant to add to sprayer tank} = \frac{\text{Application rate} \times \text{Sprayer tank capacity}}{\text{Spray volume}}$$

**Example Calculation for 1 gallon sprayer tank capacity**

$$\begin{aligned} \text{Fluid oz ETX Herbicide/Defoliant to add to sprayer tank} &= \frac{2.05 \text{ fl oz /A} \times 1 \text{ gallon}}{20 \text{ gallons/A}} \\ &= 0.10 \text{ fl oz} \end{aligned}$$

where: Application rate = 2.05 fl oz/A  
 Sprayer tank capacity = 1 gallon  
 Spray volume = 20 gallons/A

**Example Calculation for 5 gallon sprayer tank capacity**

$$\text{Fluid oz ETX Herbicide/Defoliant to add to sprayer tank} = \frac{2.05 \text{ fl oz /A} \times 5 \text{ gallons}}{20 \text{ gallons/A}}$$

$$= 0.26 \text{ fl oz}$$

where: Application rate = 2.05 fl oz/A  
 Sprayer tank capacity = 5 gallons  
 Spray volume = 20 gallons/A

**Entire lawn: Dial Type Hose-End Sprayer**

**Not for residential use. For commercial use only. Not for use by homeowners.**

Spray lawn using coarse spray. Apply evenly over area to be treated. One application should be sufficient. Effects begin to show after 24 to 48 hours with plant death occurring within 7 to 14 days.

- 1) Measure the total square footage area to be sprayed. To determine the total square foot area, multiply the length by the width of the lawn area to be treated. Subtract square footage of non-treatment areas including flower beds, shrub beds, driveways and sidewalks.
- 2) The application rate of this product is indicated in the following table for every per 1,000 square feet of lawn area. Add the appropriate amount of this product to the spray bottle, [jar], [reservoir], as indicated in the table for every 1,000 sq. ft. of lawn area to be treated.
- 3) Set the dial to the correct fluid ounce setting mix rate indicated in the following table.
- 4) Connect the hose, turn on water and spray evenly over the lawn treatment area.
- 5) Monitor the spray solution level in the spray bottle, [jar]. [reservoir], to gauge coverage.

Turf Species	Application Rate	Area to be Treated (square feet)	Amount of spray concentrate (fluid ounces)	Dial-type Hose-end sprayer mix setting (fl oz per gallon)
<b>Cool season grasses:</b> Bentgrass <sup>1</sup> , bluegrass, fescue, ryegrass	1.75 fl oz/acre  (0.0046 lb ai/acre)	1000	1.00	1.25 fl oz
		5000	5.02	
<b>Warm season grasses:</b> Bahagrass, common bermudagrass, centipedegrass, St. Augustine grass, zoysia grass		8000	8.03	

<sup>1</sup>Not tested on colonial bentgrass in California

**Formula**

Amount of Spray Concentrate, fl. oz.  
 = (Application Rate) × (Spray Concentrate Dilution) × (Area to Treat)  
 × (Conversion Factor)

**Example Calculation: Amount of Spray Concentrate to treat 5000 sq ft**

$$\text{Amount of Spray, fl. oz.} = \frac{1.75 \text{ fl oz}}{A} \times \frac{(125 \text{ fl oz Spray Concentrate})}{5 \text{ fl oz ETX}} \times 5000 \text{ sq. ft.} \times \frac{1 \text{ acre}}{43560 \text{ sq ft}}$$

$$= \frac{1.75 \times 25 \times 5000}{43560}$$

{71711-41 ETX Herbicide/Defoliant}

= 5.02 fl oz spray concentrate to treat 5000 sq. ft.

where:

Application rate = 1.75 fl oz/A  
 Spray Concentrate Dilution: = 125 fl oz Spray Concentrate/ 5 fl oz ETX  
 Area to Treat: = 5000 sq ft  
 Conversion Factor: = 1 acre/43560 sq ft

**Spray Volume**

ETX Herbicide/Defoliant is a contact herbicide that causes herbicidal symptoms only to plant parts that come into contact with spray applications. Therefore, proper spray volume and uniform coverage are important to maximize efficacy of ETX Herbicide/Defoliant. Uniform sprays must be applied at 20 to 200 gallons/A (0.5 to 4.5 gallons per 1000 sq. ft). Higher spray volumes must be used to target high weed populations and/or weeds contained in dense turfgrass canopies.

**Use of Adjuvants**

Addition of surfactants (spreaders/stickers) to the spray solution will improve efficacy and contact activity of ETX Herbicide/Defoliant. Follow manufacturer’s recommended use rates for specific sites.

**DIRECTIONS FOR USE - NURSERIES AND ORNAMENTAL PLANTINGS; CHRISTMAS TREES AND CONIFER PLANTATION SITE PREPARATION**

**USE RESTRICTIONS**

- Allow a minimum of 30 days between applications.
- **DO NOT** apply by air.
- **DO NOT** exceed 2.05 fl oz (0.0054 lb ai) per acre in a single application for this use when not tank mixed with other herbicides.
- **DO NOT** exceed 0.8 fl oz (0.0021 lb ai) per acre in a single application for this use when tank mixed with other herbicides.
- **DO NOT** exceed 6.85 fl oz/A (0.0179 lb ai/acre) per year using ground equipment.

<b>NURSERY AND ORNAMENTAL PLANTINGS; CHRISTMAS TREES AND CONIFER PLANTATION SITE PREPARATION APPLICATIONS</b>		
<b>Use</b>	<b>Rate/Acre</b>	<b>Directions for Use</b>
Nursery and ornamental plantings	0.5 to 2.05 fl oz per acre (0.0013 to 0.0054 lb ai/acre)	<ul style="list-style-type: none"> <li>• For ground application, use a minimum of 20 gallons of water per acre.</li> <li>• Use of a non-ionic surfactant at labeled rates to obtain best results.</li> <li>• Tank mixes including other broadleaf herbicides with ETX Herbicide/Defoliant may be needed for control of larger weeds.</li> <li>• For tank mixing with herbicides follow the tank mix directions.</li> </ul>
Christmas trees conifer plantation site preparation		

### STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**Pesticide Storage:** Store in a cool dry area under lock and key.

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

**Container Handling:** Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State or local authorities, by burning. If burned, stay out of smoke.

### IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties, and limitations of liability.

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