## ACCEPTED

05/07/2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 72159-15

#### CLETHODIM | GROUP | HERBICIDE

# Agrisel GrassOut Max Herbicide

#### **ACTIVE INGREDIENT:**

Clethodim*	26.4%
OTHER INGREDIENTS:	73.6%
TOTAL:	00.0%

Contains Petroleum Distillates

\*(E)-2-[1-[[(3-chloro-2-propenyl)oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-oneAGRISEL GRASSOUT MAX HERBICIDE contains 2.0 lbs. clethodim per gallon.

#### **KEEP OUT OF REACH OF CHILDREN**

#### **CAUTION**

	FIRST AID					
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes.					
	• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.					
	Call a poison control center or doctor for treatment advice.					
IF ON SKIN OR	Take off contaminated clothing.					
CLOTHING:	Rinse skin immediately with plenty of water for 15-20 minutes.					
	Call a poison control center or doctor for treatment advice.					
IF	Immediately call a poison control center or doctor.					
SWALLOWED:	Do not induce vomiting unless told to do so by a poison control center or doctor.					
	Do not give any liquid to the person.					
	Do not give anything by mouth to an unconscious person.					
IF INHALED:	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.					
	HOT LINE NUMBER					
Have the produc	t container or label with you when calling a poison control center or doctor, or going for					

[See additional [complete] [First Aid,] Precautionary Statements and Directions For Use inside booklet.]

treatment. For 24-hour Medical Emergency Assistant (Human or Animal), call 1-800-222-1222. For Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), call ChemTrec at 1-800-424-9300. **NOTE TO PHYSICIAN -** Contains petroleum distillate – vomiting may cause aspiration pneumonia.

EPA Reg. No. 72159-15 NET CONTENTS: gallons EPA Est. No. xxxxxx-xx-xxx

#### **MANUFACTURED FOR:**

Agrisel USA, Inc. P.O. Box 3528 Suwanee, GA 30024

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes, skin or clothing.

#### PERSONAL PROTECTIVE EQUIPMENT

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminate or Viton > 14 mils
- Shoes plus socks
- Protective eyewear

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.

#### **USER SAFETY RECOMMENDATIONS**

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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**

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 apply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwater or rinsate.

#### **NON-TARGET ORGANISM ADVISORY STATEMENT**

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 area. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

The use of this product may pose a hazard to the federally designated endangered species of Solano Grass and Wild Rice. Use of this product is prohibited in the following areas where the species are known to exist:

Solano Grass: Solano County, California: the vernal lakes area bounded by the Union Pacific Railroad and Hastings Road to the North, Highway 113 to the east, Highway 12 to the south, and Travis Air Force Base to the west.

Wild Rice: Hays County, Texas.

#### **PHYSICAL OR CHEMICAL HAZARDS**

Combustible. Do not use or store near heat or open flame.

#### **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 24 hours.

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

- Coveralls
- Chemical-resistant gloves such as Barrier Laminate or Viton > 14 mils
- 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.

Keep all unprotected persons out of operating areas, or vicinity where there may be drift. Do not enter treated areas without protective clothing until sprays have dried.

#### **WEED RESISTANCE MANAGEMENT**

For resistance management, AGRISEL GRASSOUT MAX HERBICIDE is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to AGRISEL GRASSOUT MAX HERBICIDE-and other Group 1 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 AGRISEL GRASSOUT MAX HERBICIDE or other Group 1 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 weeds 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 before and 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 resistancemanagement and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Agrisel USA, Inc. at www.agrisel.com.

#### PRODUCT INFORMATION

#### **RESTRICTIONS:**

- Application on Long Island, New York, is restricted to no more than 16 fl. oz. of AGRISEL GRASSOUT MAX HERBICIDE (0.250 lb. a.i.) per acre per year.
- Do not apply if rain is expected within 1 hour of application as control may be unsatisfactory.
- Do not apply a postemergence broadleaf herbicide within one day following application of AGRISEL GRASSOUT MAX HERBICIDE or reduced grass control may result.
- Do not apply under conditions of stress. Applying AGRISEL GRASSOUT MAX HERBICIDE under conditions that do not promote active grass growth will reduce herbicide effectiveness. These conditions include drought, excessive water, extremes in temperature, low humidity and grasses either partially controlled or stunted from prior pesticide applications. Grasses under these kinds of stressful conditions will not absorb and translocate AGRISEL GRASSOUT MAX HERBICIDE effectively and will be less susceptible to herbicide activity.
- Do not allow AGRISEL GRASSOUT MAX HERBICIDE to come in contact with desirable grass crops including corn, rice, sorghum, small grains, or turf, as these and other grass crops will be injured or killed. Minor leaf spotting may occur on treated plants under certain environmental conditions. New foliage is not affected.
- Aerial applications for all tree fruits and tree nuts uses are prohibited.
- Do not apply AGRISEL GRASSOUT MAX HERBICIDE on vegetable crops being grown for seed production unless specific use directions are provided in this label.

#### **ROTATIONAL RESTRICTIONS**

Do not plant rotational crops until 30 days after application of AGRISEL GRASSOUT MAX HERBICIDE unless the crop is listed on AGRISEL GRASSOUT MAX HERBICIDE label.

#### **PRECAUTIONS:**

- Grass crops including corn, rice, sorghum, small grains, or turf, etc. are highly sensitive to AGRISEL GRASSOUT MAX HERBICIDE.
- AGRISEL GRASSOUT MAX HERBICIDE may not be used on vegetable crops being grown for seed production unless specific use directions are provided.
- AGRISEL GRASSOUT MAX HERBICIDE is a selective postemergence herbicide for control of annual and perennial grasses.
- AGRISEL GRASSOUT MAX HERBICIDE does not control sedges or broadleaf weeds.
- Best perennial grass control can be obtained if rhizomes or stolons are cut up by preplant tillage practices, (disking, plowing, etc.) to stimulate maximum emergence of grass shoots. Cultural practices, including

continuous no-tillage in which the perennial grass rhizomes or stolons are not cut up, result in a very staggered, non-uniform weed emergence. Due to this non-uniform weed emergence, no fewer than two AGRISEL GRASSOUT MAX HERBICIDE applications per year are advised at the appropriate weed-growth stage rate under continuous no-till conditions.

- While all vegetable crops on this label have been tested and are non-sensitive to AGRISEL GRASSOUT MAX HERBICIDE, not all specialty varieties of these crops have been tested. It is advised that, before applying AGRISEL GRASSOUT MAX HERBICIDE to specialty varieties of vegetable crops on this label, crop sensitivity be investigated first using a small section of the field. It is possible that injury symptoms can occur. Symptoms may appear as leaf speckling or stunting.
- Tank mixes of AGRISEL GRASSOUT MAX HERBICIDE and broadleaf herbicides may result in reduced grass control. If grass regrowth occurs, an additional application of AGRISEL GRASSOUT MAX HERBICIDE may be necessary.
- In some grass species, repeated use of AGRISEL GRASSOUT MAX HERBICIDE (or similar postemergence grass herbicides with the same mode of action) may lead to the selection of naturally occurring biotypes that are resistant to these products.
- A resistant biotype may be present if poor performance occurs and cannot be attributed to adverse weather or application conditions. This will most likely occur in fields where other control strategies crop rotation, mechanical removal, and other classes of herbicides are not used from year to year.
- It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

#### **APPLICATION INFORMATION**

#### **Application Timing**

Apply AGRISEL GRASSOUT MAX HERBICIDE postemergence to actively growing grasses according to rate table directions in this label.

In arid regions where irrigation is used to supplement limited rainfall, AGRISEL GRASSOUT MAX HERBICIDE must be applied as soon as possible after an irrigation (within 7 days). In arid regions, a second application of AGRISEL GRASSOUT MAX HERBICIDE will generally provide more effective control of perennial grass weeds than a single application. Make second application to actively growing grass 2 to 3 weeks after emergence of new growth.

Cultivation of treated grasses 7 days prior to or within 7 days after application of AGRISEL GRASSOUT MAX HERBICIDE may reduce weed control.

#### **Control Symptoms**

A reduction in vigor and growth is evident in treated grass weeds. Early chlorosis/necrosis of younger plant tissue is followed by a progressive collapse of the remaining foliage. Symptoms will generally be observed in 7 to 14 days depending on grass species treated and environmental conditions.

#### ADDITION OF ADJUVANT OR CROP OIL CONCENTRATE

CROP	ADJUVANT INSTRUCTIONS
Alfalfa; Cotton; Dried Shelled Pea and Bean (Subgroup 6C except soybean); Succulent Shelled Pea and Bean (Subgroup 6B); Legume Vegetables, Edible Podded (Subgroup 6A); Peanuts (including perennial); Potato; Soybeans; Sugar Beet and Sunflower (Subgroup 20B)  Artichoke (Globe); Asparagus; Beet, Garden; Brassica	Always use a crop oil concentrate* at 1.0 qt./A by ground or 1% v/v (but not less than 1 pt./A) in the finished spray volume by air.  1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N or 32%N), or an equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added to AGRISEL GRASSOUT MAX HERBICIDE applications, in addition to the directed rate of crop oil concentrate. The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  Always use a crop oil concentrate at 1% v/v in the finished
Vegetables, Head and Stem (Crop Group 5-16); Brassica Leafy Greens (Subgroup 4-16B except Radish Leaves, Turnip Greens and Watercress); Bushberry (Subgroup 13B); Caneberry (Subgroup 13A); Canola (Subgroup 20A including Rapeseed except flax seed, mustard seed and sesame seed); Carrot; Clover; Cranberry; Flax; Fruiting Vegetables (Crop Group 8-10 except Okra and Tomato); Herbs (Subgroup 19A); Hops, Leaf Petiole Vegetables (Subgroup 22B); Leafy Greens (Subgroup 4-16A); Legume Vegetables, Edible Podded (Subgroup 6A); Melon (Subgroup 9A); Mint (peppermint and spearmint tops); Mustard Seed; Okra; Onion, Bulb] (Subgroup 3-07A); Onions, Green Subgroup 3-07B); Radish; Root Vegetables (Subgroup 1B except Sugar Beet and Radish); Safflower; Sesame; Squash/Cucumber (Subgroup 9B); Strawberry; Tuberous and Corm Vegetables Subgroup (Subgroup 1C except Potato including Sweet Potato); Tomato; Tree Nuts	spray volume unless tank mix instructions indicate otherwise.  For these crops, the addition of liquid fertilizer is not advised.
Non-Bearing Fruit and Nut Crops, Ornamental Plants	Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt. per 50 gals. (0.25% v/v). Use of crop oil concentrate is not advised since it may injure flowers and foliage.
Conifer Trees, Fallow Land (and other non-producing agricultural areas), and Non-Crop or Non-Planted Areas	Always use a crop oil concentrate containing at least 15% emulsifier at 1% v/v (but not less than 1 pt./A) in the finished spray volume.

<sup>\*</sup>Acceptable crop oil concentrates would be those which contain a minimum of 80% oils and 15% emulsifier. A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria: be non-phytotoxic, contain only EPA-exempt ingredients, provide good mixing quality and be successful in local experience. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils.

#### **Ground Application**

Use a minimum of 5 gallons and a maximum of 40 gallons of spray solution per acre. Use of sufficient spray volumes and pressure is essential to ensure complete coverage. Under the following conditions a minimum of 10 gallons per acre is required: narrow row soybeans, broadleaf herbicide tank mixes, perennial grasses, volunteer corn, drought or stress conditions, heavy grass pressure or when grasses are at or near maximum height. Failure to use a minimum of 10 gallons per acre under these conditions can result in poor coverage and reduced grass control requiring repeat applications. Spray pressures must reflect a minimum of 30 psi

and a maximum of 60 psi at the nozzle. Do not use flood nozzles.

Applications to onions (dry bulbs and green), garlic, and shallots (dry bulbs and green) needs to be made in a minimum of 20 gallons of spray solution per acre.

#### **Air Application**

Use a minimum of 3 gallons of spray solution per acre. As grass or crop foliage becomes dense, increase spray volume up to 10 gallons. For onions (dry bulbs and green), garlic, or shallots (dry bulbs and green): When applying by air do not exceed 8 fl. oz. (0.125 lb. a.i.) per acre per application. In California, air applications to onions, garlic or shallots must be made in a minimum of 20 gallons of spray solution per acre.

**NOTE:** Crop injury may occur when AGRISEL GRASSOUT MAX HERBICIDE is applied to onions, garlic, or shallots with aerial equipment.

#### **Spot Treatment**

When using hand sprayers or high-volume sprayers utilizing hand guns, mix  $\frac{1}{4}\%$  to  $\frac{1}{2}\%$  (0.33 oz. to 0.65 oz. per gallon) AGRISEL GRASSOUT MAX HERBICIDE and treat to wet vegetation, while not allowing runoff of spray solution. For uses requiring crop oil concentrate, include crop oil concentrate at 1% (1.3 oz. per gallon) by volume. For uses requiring non-ionic surfactant, include non-ionic surfactant at  $\frac{1}{4}\%$  (0.33 oz. per gallon) by volume.

**NOTE:** If AGRISEL GRASSOUT MAX HERBICIDE is applied as a spot treatment, care must be taken to not exceed the maximum rate allowed on a "per acre" basis or crop injury may occur.

# CHEMIGATION – ONIONS (Dry Bulbs and Green) AND GARLIC SPRINKLER IRRIGATION APPLICATION

[(Not for use in California)]

Apply AGRISEL GRASSOUT MAX HERBICIDE at the high specified rate for annual grasses, 16 fl. oz. (0.250 lb. a.i.) per acre, when the grass height is at the low end of the range (application to larger grasses may not provide adequate control). Add a crop oil concentrate containing at least 15% emulsifier at 1 quart per acre.

Apply AGRISEL GRASSOUT MAX HERBICIDE in 0.1 to 0.2 acre-inch of water either at the end of a regular irrigation set or as a separate application not associated with a regular irrigation using the least amount of water that provides proper distribution and coverage. Application of more than label specified quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness. Use a metering device to inject AGRISEL GRASSOUT MAX HERBICIDE into irrigation water at a constant flow.

Constant agitation must be maintained in the chemical supply tank during the entire period of herbicide application. Inject the product with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing. Allow time for all lines to flush the herbicide through all nozzles before turning off irrigation water. To ensure the lines are flushed and free of remaining herbicide, a dye indicator may be injected into the lines to mark the end of the application period.

#### **RESTRICTIONS:**

- Do not apply Agrisel Grassout Max Herbicide by chemigation in the states of Idaho, Montana, Oregon and Washington.
- Do not apply this product through any irrigation system connected to a public water system.
- Do not apply by chemigation to any other crop, or to this crop using any other type of irrigation system.
- Do not apply AGRISEL GRASSOUT MAX HERBICIDE-through an irrigation system connected to a public water system. Public water system means a system for the provision to the public of piped water for human consumption, if such system has at least 15 service connections or regularly serves an average of

- at least 25 individuals daily at least 60 days out of the year.
- Do not apply this product through any other type of irrigation system (i.e. Public Irrigation System).
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.
- A person knowledgeable of the chemigation system and responsible for its operation or under supervision of the responsible person, must shut the system down and make necessary adjustments when the need arises.
- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, including as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.
- Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, travelers, big gun, solid set, or hand move.

#### PRECAUTIONS:

- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of treated water.
- If you have any questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.

#### MANDATORY SPRAY DRIFT MANAGEMENT

#### **Aerial Applications:**

- Do not release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a coarse or coarser droplet size (ASABE S572.I).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature in versions.

#### **Ground Boom Applications:**

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the
  ground or crop canopy. For all other ground applications, the nozzle must be no more than 3 feet from
  the target vegetation.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- 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 CON DITIONS.

#### **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 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.

#### **Controlling Droplet Size - Aircraft**

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

#### **BOOM HEIGHT - Ground Boom**

For ground equipment, the boom should 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 in versions.

#### 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.

### **CROP SPECIFIC DIRECTIONS**

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Alfalfa including: Sainfoin Holy Clover Birdsfoot trefoil <sup>(3)</sup>	15 days before grazing, feeding or harvesting (cutting) for forage or	6-16 fl. oz. (0.094 to 0.250 lb. a.i.) <sup>(4)</sup>	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air <sup>(5)</sup>	For repeat applications make on a minimum of a 14 day interval.  Refer to tank mix partners for feeding, grazing and harvesting restrictions. (5,6)  The addition of Ammonium Sulfate
	hay			(AMS) has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.
				<ul> <li>RESTRICTIONS:</li> <li>Do not apply more than 16 fl. oz. (0.500 lb. a.i.) per acre per application.</li> <li>Do not make more than 2</li> </ul>
				<ul><li>applications per year.</li><li>Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.</li></ul>
Artichoke (Globe)	5 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:
				<ul> <li>Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.</li> <li>Do not make more than 4</li> </ul>
				<ul><li>applications per year.</li><li>Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.</li></ul>
Asparagus	1 day	6-8 fl. oz. (0.094 to 0.125 lb.	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.
		a.i.)		<ul> <li>RESTRICTIONS:</li> <li>Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.</li> <li>Do not make more than 4 applications per year.</li> <li>Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.</li> </ul>
Bean, Dry except Soybean [Dried Shelled Pea and Bean (except soybean Subgroup	30 days	6-16 fl. oz. (0.094 to 0.250 lb.	1 qt. by ground or 1.0% v/v (but	For repeat applications make on a minimum of a 14-day interval.
including: Bean (Lupinus spp.) Grain		a.i.)	not less than 1 pt./A) by air <sup>(5)</sup>	Refer to appropriate Table for reduced rate directions for the control of small annual grasses.
Sweet White White Sweet				The addition of AMS has shown improved grass control for difficult to control species including:

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Bean (Phaseolus spp.) Field Kidney Lima (dry) Navy Pinto Tepary Bean (Vigna spp.) Adzuki Bean Black-eyed Pea Catjang Cowpea Crowder Pea Moth Bean Mung Bean Rice Bean Southern Pea Urd Bean Broad (dry) Chickpea (garbanzo) Guar Lablab Bean				quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  RESTRICTIONS:  • Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.  • Do not make more than 2 applications at 16 fl. oz. (0.250 lb. a.i.) per acre per year .  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.  • For Reduced Rate Control for Small Annual Grasses: Do not make more than 8 applications at 4 fl. oz. (0.0625 lb. a.i.) per acre per year.
Lentil  Bean, Succulent Shelled [Succulent Shelled Pea and Bean Subgroup 6B] including: Bean (Phaseolus spp.) Broad Bean (succulent) Lima Bean (green) Bean (Vigna spp.) Black-eyed Pea Cowpea Southern Pea	21 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air. <sup>(5)</sup>	Refer to appropriate Table for reduced rate directions for the control of small annual grasses.  The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.  RESTRICTIONS:  Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per year.  Do not make more than 1 application per year.  For Reduced Rate Control for Small Annual Grasses: Do not make more than 2 applications at 4 fl. oz. (0.0625 lb. a.i.) per acre per year.
Beet, Garden	30 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Brassica Vegetables, Head and Stem [Crop Group 5-16] [*] including: Broccoli Brussels sprouts Cabbage Cabbage, Chinese (napa) Cauliflower Cultivars, varieties and/or hybrids of these commodities  [*Not for use in California]	30 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.
Brassica Leafy Greens [Subgroup 4-16B] [*] (except Radish Leaves, Turnip Greens and Watercress) including: Arugula Broccoli, Chinese Broccoli Raab Cabbage, Abyssinian Cabbage, Chinese (Bok Choy) Cabbage, Seakake Collards Cress, Garden Cress, Upland Hanover Salad Kale Maca (leaves) Mizuna Mustard Greens Mustard Spinach Rape Greens Rocket, Wild Shepherd's Purse Turnip Greens cultivars, varieties, and/or hybrids of these commodities  [*Not for use in California]	14 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Bushberry, [Subgroup 13B] including: Aronia berry Blueberry, highbush Chilean Guava Cranberry, Highbush Currant, Black Currant, Red Elderberry European Barberry Gooseberry Honeysuckle edible Huckleberry Juneberry Saskatoon berry Native currant Salai Sea Buckthorn Cultivars, varieties and/or hybrids of these	14 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  Apply at the base of the plant where grassy weeds are growing near the ground.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.  • Do not apply to low growing berries.  • Do not apply to Bushberry grown for root stock.
Caneberry, [Subgroup 13A] [*] including: Blackberry Loganberry Raspberry, plack Raspberry, red Raspberry, wild Cultivars, varieties and/or hybrids of these.  [*Not for use in California]	7 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  Apply at the base of the plant where grassy weeds are growing near the ground.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.  • Do not apply to low growing berries.  • Do not apply to Caneberry grown for root stock.
Canola [Subgroup 20A][*] including Rapeseed except flax seed, mustard seed and sesame seed Borage, Crambe Cuphea Echium Gold of Pleasure (Camelina) Hare's Ear Mustard	70 days	4-6 fl. oz. (0.063 to 0.094 lb. a.i.)	1% v/v in the finished spray volume.	Verify crop safety to AGRISEL GRASSOUT MAX HERBICIDE on a small area of the crop, at the desired AGRISEL GRASSOUT MAX HERBICIDE-rate and with the same non-ionic surfactant (NIS) that will be used on the field. If no crop response is evident 7 days after treatment, AGRISEL GRASSOUT MAX HERBICIDE-may be used on the entire field at the rate tested and

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Lesquerella Lunaria Meadowfoam Milkweed Oil Radish Poppy seed Rapeseed (canola) Sweet Rocket [*Not for use in California]				with the same NIS used in the crop safety test.  RESTRICTIONS:  Do not apply more than 6 fl. oz. (0.094 lb. a.i.) per acre per application.  For Annual and Perennial Grasses: Do not make more than 1 application at 6 fl. oz. (0.094 lb. a.i.) per acre per year.  For Reduced Rate Control for Small Annual Grasses: Do not make more than 1 application at 4 fl. oz. (0.0625 lb. a.i.) per acre per year.  Do not apply after crop has begun bolting. Crop injury may occur when AGRISEL GRASSOUT MAX HERBICIDE-is applied during the bloom period.
Carrot	30 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  Do not make more than 4 applications per year.  Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.
Clover	15 days before grazing, feeding, or harvesting (cutting) for forage or hay	6-16 fl. oz. (0.094 to 0.250 lb. a.i.)	1% v/v in the finished spray volume.	For use on clover grown in Idaho, Oregon, and Washington only.  RESTRICTIONS:  • Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.  • Do not make more than 1 application per acre per year.  • Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Cotton	60 days	6-16 fl. oz. (0.094 to 0.250 lb. a.i.)	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air <sup>(5)</sup>	For repeat applications make on a minimum of a 14-day interval  The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  RESTRICTIONS:
				<ul> <li>Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.</li> <li>Do not make more than 2 applications per year.</li> <li>Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.</li> <li>Do not graze treated fields or feed treated forage or hay to livestock.</li> </ul>
Cranberry	30 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.  • Do not apply between the "hook" stage and full fruit set.
Fallow Land Conifer Trees (and other non-producing agricultural areas) Non-Crop or Non-Planted Areas	N/A	6-16 fl. oz. (0.094 to 0.250 lb. a.i.)	1% v/v (but not less than 1 pt./A) in the finished spray volume using a crop oil concentrate containing at least 15% emulsifier.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.  • Do not make more than 2 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.  • Do not plant any crop for 30 days after application unless clethodim is registered for use in that crop.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Flax[*] [*Not for use in California]	60 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  Apply prior to bloom. Crop injury may occur when AGRISEL GRASSOUT MAX HERBICIDE is applied during the bloom period.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 2 applications per acre per year.  • Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per year.  • For Reduced Rate Control for Small Annual Grasses: Do not make more than 4 applications at 4 fl. oz. (0.0625 lb. a.i.) per acre per year.
Fruiting Vegetables (except Okra and Tomato) [Crop Group 8-10] including: African Eggplant Bush Tomato Bell Pepper Cocona Currant Tomato Eggplant Garden Huckleberry Goji Berry Groundcherry Martynia Naranjilla Pea Eggplant Pepino Nonbell Pepper Roselle Scarlet Eggplant Sunberry Tomatillo Tree Tomato Cultivars, varieties, and/or hybrids of these.	20 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Herbs [Subgroup 19A] including: Angelica Balm Basil Borage Bumet Camomile Catnip Chervil (dried) Chive Chive, Chinese Clary Coriander (leaf) Costmary Cilantro (leaf) Curry (leaf) Dill (dillweed) Horehound Hyssop Lavender Lovage (leaf) Marigold Marjoram (Origanum spp.) Nasturtium Parsley (dried) Pennyroyal Rosemary Rue Sage Savory, Summer and Winter	14 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume	For repeat applications make on a minimum of a 14-day interval.  AGRISEL GRASSOUT MAX HERBICIDE has not been tested on all herbs, and herb varieties. It is the responsibility of the user to test AGRISEL GRASSOUT MAX HERBICIDE on a small portion of the crop to be treated before treating the entire field.  Crop sensitivity must be verified to AGRISEL GRASSOUT MAX HERBICIDE on a small area of the herb crop, at the desired AGRISEL GRASSOUT MAX HERBICIDE rate and with the same crop oil concentrate that will be used on the herb field. If no crop response is evident seven (7) days after treatment, AGRISEL GRASSOUT MAX HERBICIDE may be used on the entire field at the rate tested and with the same crop oil used in the sensitivity test.  RESTRICTIONS:  Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.
Hops	21 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Leaf Petiole Vegetables [Subgroup 22B] including: Cardoon Celery Celtuce Chinese Celery Fennel, Florence (finochio) Fuki Rhubarb Swiss Chard Udo Zuiki cultivars, varieties, and/or hybrids of these commodities	30 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Leafy Greens [Subgroup 4-16A] [*] including: Amaranth, Chinese Amaranth, Leafy Arugula (roquette) Aster, Indian Blackjack Cat's Whiskers Cham-chwi Cham-na-mul Chervil (fresh leaves) Chipilin Chrysanthemum, Garland Cilantro (fresh leaves) Corn Salad Cosmos Cress Garden Upland (yellow rock and winter) Dandelion (leaves) Dang-gwi (leaves) Dillweed Dock Dol-nam-mul Ebolo Endive Escarole Fameflower Feather Cockscomb Good King Henry Huauzontle Jute (leaves) Lettuce, Bitter Lettuce, Head Lettuce, Leaf Orach Parsley (fresh leaves) Plantain, Buckhorn Primrose, English Purslane, Garden Purslane, Winter Radicchio Spinach Spinach, New Zealand Spinach, Tanier Swiss Chard Violet, Chinese (leaves) Cultivars, varieties, and/or hybrids of these		6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	Acre <sup>(2)</sup> 1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.
commodities [*Not for use in California]				

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Legume Vegetables, Edible Podded [Subgroup 6A] including: Bean (Phaseolus spp.) Runner Snap Wax Bean (Vigna spp.) Asparagus Chinese Longbean Moth Yardlong Jackbean Pea (Pisum spp.) Dwarf Edible-pod Snow Sugar Snap Pigeon Sword Bean	21 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air. <sup>(5)</sup>	For peas apply before bloom, but no later than 21 days before harvest.  Refer to appropriate Table for reduced rate directions for the control of small annual grasses.  The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  RESTRICTIONS:  Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  Do not make more than 1 application per acre per year.  Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per year.  For Reduced Rate Control for Small Annual Grasses: Do not make more than 2 applications at 4 fl. oz.
Melon [Subgroup 9A] including: Citron melon Muskmelon (including cantaloupe) Watermelon	14 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	(0.0625 lb. a.i.) per acre per year.  For repeat applications make on a minimum of a 14 day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.
Mint (peppermint and spearmint tops)	21 days	6-16 fl. oz. (0.094 to 0.250 lb. a.i.) <sup>(4)</sup>	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.  • Do not make more than 2 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Mustard Seed [*]  [*Not for use in California]	75 days	4-6 fl. oz. (0.063 to 0.094 lb. a.i.)	1% v/v in the finished spray volume.	<ul> <li>RESTRICTIONS:</li> <li>Do not apply more than 6 fl. oz. (0.094 lb. a.i.) per acre per application.</li> <li>Do not make more than 2 applications per acre per year.</li> <li>Do not apply more than 12 fl. oz. (0.188 lb. a.i.) per acre per year.</li> <li>Do not apply after crop has begun bolting. Crop injury may occur when AGRISEL GRASSOUT MAX HERBICIDE is applied during the bloom period.</li> <li>For Reduced Rate Control for Small Annual Grasses: Do not make more than 3 applications at 4 fl. oz. (0.0625 lb. a.i.) per acre per year</li> </ul>
Okra [*] [*Not for use in California]	3 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  RESTRICTIONS:  Do not apply more than 8 fl. oz./A (0.125 lb. a.i./A) in a single application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl. oz./A (0.500 lb. a.i./A) per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
[Onion, Bulb] [Subgroup 3-07A] Onion (Dry Bulbs Only) including: Daylily, Bulb Fritillaria, Bulb Garlic, Great-headed, Bulb Garlic, Serpent, Bulb Lily Bulb Onion, Bulb Onion, Chinese, Bulb Onion, Pearl Onion, Potato, Bulb Shallot, Bulb Cultivars, varieties, and/or hybrids of these.	45 days	6-16 fl. oz. (0.094 to 0.250 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  Minimum of 20 gallons per acre spray volume by ground in the entire U.S.  Minimum of 20 gallons per acre spray volume by air in California  In states other than California, air applications to onions, garlic or shallots must be made in a minimum of 10 gals./A.  RESTRICTIONS:  • Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.  • Do not make more than applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.  • When applying by air, do not exceed 8 fl. oz. (0.125 lb. a.i.) per acre per application and 16 fl. oz. (0.250 lb. a.i.) per acre per year.  • If AGRISEL GRASSOUT MAX HERBICIDE is applied as a spot treatment to onion or garlic, do not exceed the maximum rate allowed on a "per acre" basis.  • In California, do not apply AGRISEL GRASSOUT MAX HERBICIDE to garlic or onion until the crop has at least two full leaves. Use a 14 day spray interval between the application of AGRISEL GRASSOUT MAX HERBICIDE and liquid nitrogen or other herbicide applications. Injury to crop may occur when shorter intervals are observed.  For Garlic  • When applying by ground, do not exceed 8 fl. oz. (0.125 lb. a.i.) per acre per application or 16 fl. oz. (0.250 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Onions, Green Subgroup 3-07B] [*] including: Chive (fresh leaves) Chive, Chinese (fresh leaves) Elegans Hosta Fritillaria (leaves) Kurrat Lady's Leek Leek Leek, Wild Onion, Beltsville (bunching) Onion (fresh) Onion, Green Onion, Macrostem Onion, Tree (tops) Onion, Welsh (tops) Shallot (fresh leaves) Cultivars, varieties, and/or hybrids of these commodities  [*Not for use in California]	14 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.  For air applications to onion, do not exceed 8 fl. oz. (0.125 lb. a.i.) per acre per application.  In California for air applications to onion, do not exceed 2 applications per year.  If AGRISEL GRASSOUT MAX HERBICIDE is applied as a spot treatment to onion or garlic, do not exceed the maximum rate allowed on a "per acre" basis.  In California, do not apply AGRISEL GRASSOUT MAX HERBICIDE to onion or garlic until the crop has at least two full leaves. Use a 14 day spray interval between the application of AGRISEL GRASSOUT MAX HERBICIDE and liquid nitrogen or other herbicide applications. Injury to crop may occur when shorter intervals are observed.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Dried Shelled Pea Subgroup 6C including: Pea (Pisum spp.) Field Pigeon	30 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air.(5)	For repeat applications make on a minimum of a 14-day interval.  Apply before bloom but not later than 30 days prior to harvest.  Refer to appropriate Table for reduced rate directions for the control of small annual grasses.  The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.  Applications of AGRISEL GRASSOUT MAX HERBICIDE to peas during the bloom period could result in severe crop injury, including loss of yield and delayed maturity.  RESTRICTIONS:  Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per year.  Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per year.  For Reduced Rate Control for Small Annual Grasses: Do not make more than 2 applications at 4 fl. oz. (0.0625 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Pea, Succulent Shelled [Subgroup 6B] including: Pea (Pisum spp.) English Pea Garden Pea Green Pea Pigeon Pea	21 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air. <sup>(5)</sup>	Apply before bloom but not later than 21 days prior to harvest.  Refer to appropriate Table for reduced rate directions for the control of small annual grasses.  The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 1 application per acre per year.  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per year.  • For Reduced Rate Control for Small Annual Grasses: Do not make more than 2 applications at 4 fl. oz. (0.625 lb. a.i.) per acre per year.
Peanut (including Perennial)	40 days	6-16 fl. oz. (0.094 to 0.250 lb. a.i.)	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air <sup>(5)</sup>	The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  RESTRICTIONS:  Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Potato	30 days	6-16 fl. oz. (0.094 to 0.250 lb. a.i.)	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air <sup>(5)</sup>	For repeat applications make on a minimum of a 14-day interval.  The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  RESTRICTIONS:  • Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.  • Do not make more than 2 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.
Radish Radish Leaves	15 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 2 applications per acre per year.  • Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per year.
Root Vegetables Subgroup 1B (except Sugar Beet and Radish), including: Burdock, Edible Celeriac Chervil, Turnip-Rooted Chicory Ginseng Horseradish Parsley, Turnip-Rooted Parsnip Radish, Oriental Rutabaga Salsify Salsify, Black Salsify, Spanish Skirret Turnip	30 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Safflower	70 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.
Sesame	14 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.  • Do not apply during flowering.
Soybean	60 days	6-16 fl. oz. (0.094 to 0.250 lb. a.i.)	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air <sup>(5)</sup>	For repeat applications make on a minimum of a 14-day interval.  Refer to appropriate Table for reduced rate directions for the control of small annual grasses.  The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  RESTRICTIONS:  • Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.  • Do not make more than 2 applications per acre per year.  • Do not graze treated fields or feed treated forage or hay to livestock.  • For Reduced Rate Control for Small Annual Grasses: Do not make more than 8 applications at 4 fl. oz. (0.0625 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Squash/Cucumber [Subgroup 9B] including: Chayote (fruit) Chinese waxgourd (Chinese preserving melon) Cucumber Gherkin Gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra) Momordica spp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber) Pumpkin Squash, Summer Squash, Winter (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash)	14 days	6-8 fl. oz.	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  RESTRICTIONS:  Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.
Strawberry	4 days	6-8 fl. oz. (0.094 to 0.125 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Sugar Beet	40 days	6-16 fl. oz. (0.094 to 0.250 lb. a.i.)	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air <sup>(5)</sup>	For repeat applications make on a minimum of a 14-day interval.  Refer to appropriate Table for reduced rate directions for the control of small annual grasses.  The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  RESTRICTIONS:  • Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.  • Do not make more than 2 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.  • For Reduced Rate Control for Small Annual Grasses: Do not make more than 8 applications at 4 fl. oz. (0.0625 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Sunflower [Subgroup 20B] including: Calendula Castor oil Plant Chinese Tallowtree Euphorbia Evening Primrose Jojoba Niger Seed Rose Hip Stokes Aster Tallowwood Tea Oil Plant Vernoia	70 days	6-16 fl. oz. (0.094 to 0.250 lb. a.i.)	1 qt. by ground or 1.0% v/v (but not less than 1 pt./A) by air <sup>(5)</sup>	For repeat applications make on a minimum of a 14-day interval.  The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  Verify crop safety to AGRISEL GRASSOUT MAX HERBICIDE on a small area of the crop, at the desired AGRISEL GRASSOUT MAX HERBICIDE rate and with the same crop oil concentrate that will be used on the field. If no crop response is evident seven (7) days after treatment, AGRISEL GRASSOUT MAX HERBICIDE may be used on the entire field at the rate tested and with the same crop oil used in the crop safety test.  RESTRICTIONS:  Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per year.  Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.  For Reduced Rate Control for Small Annual Grasses: Do not make more than 8 applications at 4 fl. oz. (0.0625 lb. a.i.) per acre per year.
Tomato	20 days	6-16 fl. oz. (0.094 to 0.250 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  RESTRICTIONS:  • Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.  • Do not make more than 2 applications per acre per year.  • Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Tuberous and Corm Vegetables Subgroup [Subgroup 1C] (except Potato) Including Sweet Potato, including: Yam Artichoke, Chinese and Jerusalem Cassava, Bitter and Sweet Ginger	30 days	6-16 fl. oz. (0.094 to 0.250 lb. a.i.)	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14-day interval.  The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, Rhizome johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  RESTRICTIONS:  Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.  Do not make more than 2 applications per year.  Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.

N/A = Not Applicable

- (1) **Restriction:** AGRISEL GRASSOUT MAX HERBICIDE is not for use on vegetable crops being grown for seed production unless specific use directions are provided.
- (2) Acceptable crop oil concentrates would be those which contain a minimum of 80% oils and 15% emulsifier. A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria: be non-phytotoxic, contain only EPA-exempt ingredients, provide good mixing quality and be successful in local experience. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils. See the Addition of Adjuvant and Crop Oil Concentrate section for further information.
- (3) AGRISEL GRASSOUT MAX HERBICIDE may be applied to seedling or established alfalfa grown for seed, hay, silage, green chop, or direct grazing.
- (4) For weed control in established alfalfa and mint (peppermint and spearmint tops), the minimum use rate is 10 fl. oz. (0.156 lb. a.i.) per acre.
- (5) 1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N or 32%N), or an equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added to AGRISEL GRASSOUT MAX HERBICIDE applications, in addition to the specified rate of crop oil concentrate.
- (6) Do not apply AGRISEL GRASSOUT MAX HERBICIDE and 2,4-DB as a tank mix to alfalfa unless the 60-day feeding, grazing, and harvesting restriction on the 2,4-DB label can be observed.

#### **NON-BEARING FOOD CROPS**

NON-BEARING FRUIT AND NUT CROPS				
CROPS		USE RATES PER ACRE	USE INSTRUCTIONS	
COMMON NAME	SCIENTIFIC NAME	6-8 fl. oz. (0.094 to	Non-bearing fruit and nut crops are plants that will not bear fruit or nuts for at least one year	
Apples	Malus spp.	0.125 lb. a.i.)	following AGRISEL GRASSOUT MAX	
Berries	Vaccinium spp.		HERBICIDE application.	
	Rubus spp.			
Cherry, Sweet	Prunus avium		Add a non-ionic surfactant containing at lea	
Citrus Fruits	Citrus spp.		80% active ingredient at the rate of 1 pt. per	
Grapes	Vitis spp.		50 gals (0.25% v/v).	
Olives	Olea spp.		Use of crop oil concentrate is not advised	
Peach	Prunus persica		since it may injure flowers and foliage.	
Pears	Pyrus communis		l since it may injure newere and renage.	
Prunes	Prunus spp.		Sugar maples cannot be tapped for syrup	
Stone Fruits	Prunus spp.		within one year of AGRISEL GRASSOUT MAX	
Strawberries	Fragaria spp.		HERBICIDE application.	
	ee Nuts			
Almond	Prunus dulcis		For repeat application make on a minimum of	
Filbert	Corylus maxima		a 14 day interval.	
Pecan	Carya illinoinensis			
Pistachio	Pistacia vera		Crop injury to non-bearing fruit and nut crops can occur if AGRISEL GRASSOUT MAX	
Walnut	Juglans spp.		HERBICIDE is improperly applied. AGRISEL GRASSOUT MAX HERBICIDE must not be applied directly over the top of these plant types. Instead, direct spray at the base of the plant where grassy weeds are growing near the ground.	
			<ul> <li>RESTRICTIONS:</li> <li>Do not apply more than 8 fl. oz. (0.125 lb. a.i.) per acre per application.</li> <li>Do not make more than 4 applications per acre per year.</li> <li>Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.</li> <li>Do not apply AGRISEL GRASSOUT MAX HERBICIDE to non-bearing fruit or nut crops that are grown for root stock.</li> <li>If AGRISEL GRASSOUT MAX HERBICIDE is applied as a spot treatment to non-bearing fruit and nut crops, do not exceed the maximum rate allowed on a "per acre" basis.</li> </ul>	

CONIFER TREES				
CROPS		USE	LICE INCTRUCTIONS	
Common Name	Scientific Name	RATES	USE INSTRUCTIONS	
Arborvitae, American	Thuja occidentalis	6-16 fl. oz.	AGRISEL GRASSOUT MAX HERBICIDE can be	
Cedars	Cedrus spp.	(0.094 to	used to control labeled grasses in Christmas	
Cypress	<i>Taxodium</i> spp.	0.250 lb. a.i.)	tree farms, conifer nurseries and conifer	
Fir, Douglas	Pseudotsuga menziesii		plantations (but not in forests).	
Firs	<i>Abies</i> spp.			
Hemlock,	Tsuga candensis		Add a non-ionic surfactant containing at least	
Canadian/Eastern			80% active ingredient at the rate of 1 pt per	
Hemlock, Western	Tsuga heterophylla		50 gals (0.25% v/v).	
Pines	<i>Pinus</i> spp.			
Spruces	Picea spp.		For repeat application make on a minimum of	
Yew	Taxus spp.		a 14 day interval.	
			<ul> <li>Po not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.</li> <li>Do not make more than 2 applications per acre per year at the 16 fl. oz. rate. Do not make more than 5 applications per acre per year at the 6 fl. oz. rate.</li> <li>Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.</li> </ul>	

#### **NON-CROP OR NON-PLANTED AREAS**

The following areas are considered non-crop or non-planted areas: rights-of-way including railroads, highways, roads, dividers, medians, pipelines, public utility lines, pumping stations, transformer stations and substations. Around airports, electric utilities, commercial buildings, manufacturing plants, storage yards, rail yards, fence lines, parkways and post-harvest croplands. Also beneath greenhouse benches and around golf courses.

#### **DIRECTIONS FOR GRASS SUPPRESSION IN NON-CROP AREAS**

GRASS SPECIES	WEED STAGE	RATE FL. OZ./ ACRE			
Annual and perennial grasses that exceed height claimed for control on height chart above.	Up to and including grasses in the seed head stage.	12-16 (0.188-0.250 lb. a.i.)			
<b>Restriction:</b> Do not apply as part of a tank mix when applying AGRISEL GRASSOUT MAX					

**Restriction:** Do not apply as part of a tank mix when applying AGRISEL GRASSOUT MAX HERBICIDE for grass suppression.

Add a crop oil concentrate at 1 qt/A by ground to the finished spray volume.

#### **DIRECTIONS FOR ANNUAL GRASSES**

(EXCEPT FOR IN ESTABLISHED ALFALFA AND MINT (PEPPERMINT AND SPEARMINT TOPS))

- Apply only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height.

#### **RESTRICTIONS:**

- Do not exceed the maximum rate per application listed in the CROP SPECIFIC DIRECTIONS tables on this label.
- Do not exceed the maximum number of applications per year listed in the **CROP SPECIFIC DIRECTIONS** tables on this label.
- Do not exceed the maximum yearly rate listed in the CROP SPECIFIC DIRECTIONS tables on this label.

Grass Species	Scientific Name	Weed* Height (inches)	Rate (fl. oz./acre)		
			Low	High <sup>(4)</sup>	
Barnyardgrass	Echinochloa crus-galli	2-8	6	8	
			(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Broadleaf Signalgrass	Brachiaria platyphylla	2-6	6	8 (0.135 lb - : )	
Brome			(0.094 lb. a.i.)	(0.125 lb. a.i.)	
California	Bromus carinatus	2-6	6	8	
California	Di Ollius Calillatus	2-0	(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Cheatgrass	Bromus secalinus	2-6	6	8	
			(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Downy	Bromus tectorum	2-6	6	8	
D: 1		2.6	(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Ripgut	Bromus diandrus	2-6	(0.004 lb a i )	8 (0.125 lb. a.i.)	
Canarygrass	Phalaris canariensis	1-4	(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Canarygrass	r maiaris cariarierisis	1-4	(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Crabgrass			(0100 1 101 0111)	(01220 101 0111)	
Hairy	Digitaria adscendens	2-6**	6	8	
			(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Large	Digitaria sanguinalis	2-6**	6	8	
Creatib	Disitania isaba amaum	2-6**	(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Smooth	Digitaria ischaemum	2-6**	(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Southern	Digitaria ciliaris	2-6**	6	8	
Southern			(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Crowfootgrass	Dactyloctenium aegyptium	2-6**	6	8	
			(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Fall Panicum	Panicum dichotomiflorum	2-8	6	8	
Field Sandbur	Cenchrus incertus	2.6	(0.094 lb. a.i.)	(0.125 lb. a.i.)	
rieiu Sariubui	Centinus incertus	2-6	(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Foxtail			(0.03110. 0.1.)	(0.125 lb. d.ll.)	
Giant	Setaria faberi	2-12	6	8	
			(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Green	Setaria viridis	2-8	6	8	
V II		2.0	(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Yellow	Setaria glauca	2-8	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Goosegrass	Eleusine indica	2-6**	(0.094 lb. a.i.)	Q.125 ID. a.i.)	
Goosegrass	Licustite trialea	2 0	(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Itchgrass	Rottboellia exaltata	2-6	6	8	
			(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Junglerice	Echinochloa colona	2-6	6	8	
1 (01: 1	For any ski '''	2.6	(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Lovegrass (Stinkgrass)	Eragrostis cilianensis	2-6	6 (0.004 lb a i )	8 (0.125 lb. a.i.)	
Rabbitsfootgrass	Polypogon monspeliensis	1-4	(0.094 lb. a.i.) 6	(0.125 lb. a.i.) 8	
- Napplisioolgidss	i diypogoti illolispelletisis	1-4	(0.094 lb. a.i.)	(0.125 lb. a.i.)	
Red Rice	Oryza sativa	1-3	6	8	
	,		(0.094 lb. a.i.)	(0.125 lb. a.i.)	

•		Weed* Height (inches)	Rate (fl. oz./acre)		
		()	Low	High <sup>(4)</sup>	
Ryegrass				19	
Hardy	Lolium remotum	2-6	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Italian	Lolium multiflorum	2-6	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Seedling Johnsongrass	Sorghum halepense	4-10	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Shattercane	Sorghum bicolor	6-18	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Southwestern Cupgrass	Eriochlola gracillis	2-6	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Sprangletop					
Amazon	Leptochloa panicoides	2-6	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Bearded	Leptochloa fascicularis	2-6	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Mexican	Leptochloa uninervia	2-6	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Red	Leptochloa filiformis	2-6	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Texas Panicum	Panicum texanum	2-6	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Volunteer Cereals (3)					
Barley	Hordeum vulgare	2-6	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Oats	Avena sativa	2-6	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Rye	Secale cereale	2-6	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Wheat	Triticum aestivum	2-6	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Volunteer Corn (2)	Zea mays	4-12	4 (0.063 lb. a.i.)	6 (0.094 lb. a.i.)	
Volunteer Corn (1)	Zea mays	4-12	8 (0.125 lb. a.i.)	(suppression only)	
Volunteer Corn (2)	Zea mays	12-24	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Volunteer Grain Sorghum	Sorghum bicolor	8-12	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Wild Oats	Aven fatua	2-6	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Wild Proso Millet	Panicum miliaceum	2-10	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Witchgrass	Panicum capillare	2-8	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	
Woolly Cupgrass	Eriochloa villosa	2-8	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)	

<sup>\*</sup>Generally occurs between 3-leaf stage and tillering
\*\*Length of lateral growth

- (1) Enlist® volunteer corn.
- (2) Includes Roundup Ready®, Liberty Link® and IMI-CORN® volunteer corn.
- (3) When the cereal grain crop (including wheat) is interseeded for crop establishment or is planted as wind breaks to aid crop establishment, the minimum AGRISEL GRASSOUT MAX HERBICIDE use rate for control is 8 fl. oz. (0.125 lb. a.i.) per acre.
- (4) Rates higher than 8 fl. oz. (0.125 lb. a.i.) per acre may be applied in certain geographic areas, environmental conditions, or cropping situations, where experience has shown that higher rates are needed for satisfactory control of annual grasses. In these situations, rates from 8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) per acre may be applied.

## DIRECTIONS FOR ANNUAL & PERENNIAL GRASS CONTROL IN ESTABLISHED ALFALFA AND MINT (PEPPERMINT AND SPEARMINT TOPS) WITH AGRISEL GRASSOUT MAX HERBICIDE

Grass Species	Weed Stage	Rate (fl. oz./acre)
Annual & Perennial Grasses Listed in Grass Table	See Table	10-16 (0.156-0.250 lb. a.i.)

**Mowing:** The best control of annual grasses can be achieved by applying AGRISEL GRASSOUT MAX HERBICIDE before grass weeds are mowed. Once a grass is mowed it becomes tougher to control, as much of the available leaf surface has been removed. In areas without a killing frost, some annuals can overwinter after having been mowed multiple times. These grasses form large crowns and may contain many viable buds. These grasses, even though they may be an annual grass, may require repeated application of AGRISEL GRASSOUT MAX HERBICIDE for partial or complete control.

**Irrigated Alfalfa and Mint (Peppermint and Spearmint Tops):** In established alfalfa and mint (peppermint and spearmint tops), irrigation practices can be very critical to the successful use of AGRISEL GRASSOUT MAX HERBICIDE and may be necessary to initiate active growth of the weeds prior to application. Applications 2 to 4 days following irrigation are most effective. More consistent grass control occurs when the irrigation occurs before the application is made but irrigation shortly after application (2 days) can be effective.

**Aerial Application:** Apply AGRISEL GRASSOUT MAX HERBICIDE in a minimum of 10 GPA in established alfalfa and mint (peppermint and spearmint tops) when applying by air.

**Annual Grass Control:** Apply AGRISEL GRASSOUT MAX HERBICIDE at the grass sizes indicated in the Use Directions for Annual Grass Table and rates indicated. If a grass has been cut, apply AGRISEL GRASSOUT MAX HERBICIDE after active growth has resumed and regrowth has reached the minimum height and before it reaches the maximum height indicated. Apply before the alfalfa/mint (peppermint and spearmint tops) canopy covers the grasses and interferes with the spray coverage. Some annual grasses are spring and summer germinating plants, while others are fall germinating plants, and the time they are actively growing and most susceptible to AGRISEL GRASSOUT MAX HERBICIDE may vary from region to region. Some annuals germinate over an extended period of time, and because control of small grasses is desired, applications after each weed flush may be required. As a general rule, spray spring and summer germinating grasses as early in the year as possible, after initial green-up. Spray fall germinating weeds in the fall soon after they begin growing but before any damage is done due to frost. Late fall applications may be less effective due to environmental conditions, including frost, slower plant growth, or the onset of flowering.

**Perennial Grass Control:** AGRISEL GRASSOUT MAX HERBICIDE effectively controls perennial grasses including bermudagrass, Johnsongrass, quackgrass, wirestem muhly, tall fescue, foxtail barley and orchardgrass. Due in part to lack of tillage, perennial grasses are more difficult to control in a perennial crop including established alfalfa or mint (peppermint and spearmint tops). A program of repeated

applications is usually necessary for best results. The best way to control perennial grasses is to do so in the year of stand establishment before rhizomes and stolons become large and difficult to kill.

Use the high rate when grasses are at or near maximum height and/or under heavy grass pressure.

Always add a crop oil concentrate at 1 qt./A by ground or 1% v/v (but not less than 1 pt./A) to the finished spray volume by air.

### DIRECTIONS FOR ANNUAL BLUEGRASS CONTROL WITH AGRISEL GRASSOUT MAX HERBICIDE

Grass Species	Weed Stage	Rate (fl. oz./acre)
Annual Bluegrass (Poa annua)	to 4-Leaf	6*-16 (0.094-0.250 lb. a.i.)

Grass needs to be actively growing at time of application(s). Apply under favorable soil moisture and humidity that exists within a few days after rainfall or within 7 days after irrigation.

Apply at weed stage indicated on the label, as reduced control can be expected with more mature annual bluegrass.

Use the high rate under heavy grass pressure and/or when annual bluegrass is more mature.

Always add a crop oil concentrate at 1 qt./acre by ground to the finished spray volume.

\*Use a minimum of 10 fl. oz. (0.156 lb. a.i.) per acre to control annual bluegrass in seedling and established alfalfa and mint (peppermint and spearmint tops).

### DIRECTIONS FOR USE IN ROUNDUP READY FIELD CORN (BURNDOWN)

APPLICATIONS RATES				
GRASS SPECIES	WEED SIZE (inches)	Rate when applied alone or with glyphosate		
Field Corn	Up to 12	3 fl. oz. (0.47 lb. a.i.)		

For control of existing stand of Roundup Ready field corn or volunteer Roundup Ready field corn prior to replanting field corn.

Care must be taken to avoid in-field boom (spray) overlaps or excessive crop injury may occur.

Replant no sooner than 6 days after application.

Adjuvant specifications: NIS at 0.25% v/v plus AMS at 2.5 to 4 lbs./A.

Do not use a COC or MSO with AGRISEL GRASSOUT MAX HERBICIDE in this use pattern.

### **RESTRICTIONS:**

- Do not apply more than 3 fl. oz. (0.047 lb. a.i.) per acre per application.
- Do not make more than 1 application per year.
- Do not apply more than 3 fl. oz. (0.047 lb. a.i.) per acre per year.

# DIRECTIONS FOR REDUCED RATE TO CONTROL SMALL ANNUAL GRASSES IN CANOLA, DRIED SHELLED BEAN & PEA (INCLUDING SOYBEAN), EDIBLE PODDED LEGUME VEGETABLES, FLAX, MUSTARD SEED, BEAN & PEA (SUCCULENT SHELLED) AND SUGAR BEET

(REDUCED RATE DIRECTIONS NOT FOR USE IN CALIFORNIA)

- Make applications only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Regrowth by tillering may occur if application is made when plants are stressed by lack of moisture, excessive moisture, low temperatures and/or under very low humidity.

Grass Species	Scientific Name	Weed Height (inches)	Rate (fl. oz./acre) (1)
Barnyardgrass	Echinochloa crus-galli	1-4	4 (0.063 lb. a.i.)
Broadleaf Signalgrass	Brachiaria platyphylla	1-4	5 (0.078 lb. a.i.)
Crabgrass			
Large	Digitaria sanguinalis	1-3*	4 (0.063 lb. a.i.)
Large	Digitaria sanguinalis	1-4*	5
Smooth	Digitaria ischaemum	1-3*	4 (0.063 lb. a.i.)
Smooth	Digitaria ischaemum	1-4*	5 (0.078 lb. a.i.)
Southern	Digitaria ciliaris	1-4*	5 (0.078 lb. a.i.)
Fall Panicum	Panicum dichotomiflorum	1-4	4 (0.063 lb. a.i.)
Foxtail			
Giant	Setaria faberi	1-4	4 (0.063 lb. a.i.)
Green	Setaria viridis	1-4	4
Millet	Setaria italica	1-4	(0.063 lb. a.i.) 5 (0.078 lb. a.i.)
Yellow	Setaria glauca	1-4	4 (0.063 lb. a.i.)
Seedling Johnsongrass	Sorghum halepense	1-6	5 (0.078 lb. a.i.)
Shattercane	Sorghum bicolor	4-10	4 (0.063 lb. a.i.)
Texas Panicum	Panicum texanum	1-4	5 (0.078 lb. a.i.)
Volunteer Cereals	1	ı	(1.1.2.14.14.11)
Barley	Hordeum vulgare	1 to 4	5 (0.078 lb. a.i.)
Oats	Avena sativa	1 to 4Enlist	5 (0.078 lb. a.i.)
Wheat	Triticum aestivum	1 to 4	5 (0.078 lb. a.i.)

Grass Species	Scientific Name	Weed Height (inches)	Rate (fl. oz./acre) (1)
Volunteer Corn**	Zea mays	4-12	4
			(0.063 lb. a.i.)
Wild Oats	Aven fatua	1-4	5
			(0.078 lb. a.i.)
Wild Proso Millet	Panicum miliaceum	1-6	4
			(0.063 lb. a.i.)

Length of lateral growth

(1) Always add a crop oil concentrate at 1 qt./acre by ground to the finished spray volume.

### **DIRECTIONS FOR PERENNIAL GRASSES**

- Make applications only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Use the high rate when grasses are at maximum height and/or under heavy grass pressure.

### **RESTRICTIONS::**

- Do not exceed the maximum rate per application listed in the **CROP SPECIFIC DIRECTIONS** tables on this label.
- Do not exceed the maximum number of applications per year listed in the **CROP SPECIFIC DIRECTIONS** tables on this label.
- Do not exceed the maximum yearly rate listed in the **CROP SPECIFIC DIRECTIONS** tables on this label.

Grass Species [(Scientific Name)]	Weed Height (inches)	Rate (fl. oz./acre)	
		Low	High
Bermudagrass (Cynodon dactylon)			
First Application	3 (or up to 6" runners)	8	16
		(0.125 lb. a.i.)	(0.250 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	8	16
		(0.125 lb. a.i.)	(0.250 lb. a.i.)
Fescue, tall (Festuca arundinacea)			
First Application	4-8	8	16
		(0.125 lb. a.i.)	(0.250 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	4-8	8	16
		(0.125 lb. a.i.)	(0.250 lb. a.i.)
Foxtail Barley (Hordeum jubatum)			
First Application	2-6	8	16
		(0.125 lb. a.i.)	(0.250 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	2-6	8	16
		(0.125 lb. a.i.)	(0.250 lb. a.i.)
Orchardgrass ( <i>Dactylis glomerate</i> )			
First Application	4-8	8	16
		(0.125 lb. a.i.)	(0.250 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	4-8	8	16

<sup>\*\*</sup> Not Enlist® resistant corn

Grass Species [(Scientific Name)]	Weed Height (inches)	Rate (fl. oz./acre)	
	()	Low	High
		(0.125 lb. a.i.)	(0.250 lb. a.i.)
Quackgrass* ( <i>Elytrigia repens</i> )			
First Application	4-12	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	4-12	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Rhizome Johnsongrass (Sorghum halepense)			
First Application	12-24	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	6-18	6 (0.094 lb. a.i.)	8 (0.125 lb. a.i.)
Wirestem Muhly ( <i>Muhlenbergia frondonsa</i> )			
First Application	4-8	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	4-8	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Perennial Bluegrass*			
Roughstalk ( <i>Poa trivialis</i> )			
Kentucky ( <i>Poa prantensis</i> )			
First Application	2-4	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	2-4	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Pontarace* (Agractic can )		_	1
Bentgrass* ( <i>Agrostis spp.</i> ) First Application	2-4	-	16 (0.250 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	2-4	-	16 (0.250 lb. d.i.)

<sup>\*</sup>Control of quackgrass, perennial bluegrass and bentgrass with AGRISEL GRASSOUT MAX HERBICIDE may be enhanced by adding AMS at 2.5 to 4.0 lbs./acre.

### **TANK MIX INFORMATION**

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture, including all crop rotational and other crop restrictions. Those concerns may include, but are not limited to:

- 1. Geographic restrictions not all products are registered for use in all areas and rates may vary from one region of labeled use to another;
- 2. Crop rotation restrictions;
- 3. Applicator certification requirements;
- 4. Worker safety rules (i.e., protective clothing requirements, reentry time);

- 5. Soil type or soil characteristics;
- 6. Maximum application rate or number or applications allowed per year;
- 7. Rain free period required;
- 8. Application timing (e.g. pre-harvest interval)
- 9. Do not exceed the total yearly rates.

### TANK MIX APPLICATION OF AGRISEL GRASSOUT MAX HERBICIDE AND BROADLEAF HERBICIDES FOR CONTROL OF GRASSES AND BROADLEAF WEEDS

- Apply only to actively growing grass and broadleaf weeds at specified height or growth stage listed on each label.
- Apply when the first grass or broadleaf weed species in a mixed population reaches the specified height or growth stage for treatment.
- Apply under favorable soil moisture and humidity, which exist a few days after rainfall or within seven days after irrigation.
- Always add the appropriate adjuvant to the spray mix at the rate specified for each specific tank mix combination.
- Tank mix applications may sometimes result in reduced grass control and possible increases in crop injury
  as compared to either product used alone. If regrowth occurs, or an additional flush of new grass emerges,
  make a second application of AGRISEL GRASSOUT MAX HERBICIDE as specified in the respective size and
  rate tables.
- Do not tank mix AGRISEL GRASSOUT MAX HERBICIDE when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.

### **MIXING INSTRUCTIONS**

- 1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
- 2. While agitating, add the correct amount of AGRISEL GRASSOUT MAX HERBICIDE. Agitation must create a rippling or rolling action on the water surface.
- 3. If tank mixing AGRISEL GRASSOUT MAX HERBICIDE with other labeled herbicides, add water soluble bags first, followed by dry formulations, flowables, emulsifiable concentrates, and then solutions. Prepare no more spray mixture than is required for the immediate spray operation.
- 4. Add any required adjuvants (crop oil concentrate, non-ionic surfactant and/or nitrogen solution).
- 5. Fill spray tank to desired level with water. **Agitation must continue until all spray solution** has been applied.

Use the jar test to verify mixing and compatibility properties. Maintain agitation throughout the spray application. Unsatisfactory weed control may result due to improper mixing if continuous agitation is not maintained during application.

### **INFORMATION ON ANTAGONISM**

Tank mixes of AGRISEL GRASSOUT MAX HERBICIDE with postemergence broadleaf herbicides have shown some reduction or failure to control certain grass species which would have otherwise been controlled when AGRISEL GRASSOUT MAX HERBICIDE is applied alone. Activity of the postemergence broadleaf herbicide in the tank mix is not affected.

#### **ALFALFA**

### TABLE 1. AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR ALFALFA (Refer to the tables for specific grasses and growth stages.)

	APPLICATION RATES/ACRE(1)				
PRODUCT <sup>(2)</sup>	ANNUAL GRASSES	PERENNIAL GRASSES	CROP OIL CONCENTRATE <sup>(3)</sup> (V/V)		
			GROUND	AIR	
AGRISEL GRASSOUT MAX HERBICIDE + 2,4-DB <sup>(4)</sup>	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) + Refer to 2,4-DB label for use rate	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) + Refer to 2,4-DB label for use rate	1%	1%	
AGRISEL GRASSOUT  MAX HERBICIDE  +  imazethapyr (5)  or  imazethapyr(5)	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) + Refer to tank mix partner labels for use rate.	-	1%	1%	
AGRISEL GRASSOUT  MAX HERBICIDE  +  bromoxynil <sup>(6,7)</sup>	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) + Refer to tank mix partner label for use rate.	-	0.5%	0.5%	

- (1) If grass regrowth occurs or an additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX HERBICIDE alone (without a tank mix herbicide), according to the appropriate size and rate directions.
- Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.
- (3) Always use a crop oil concentrate at the listed rate (but not less than 1pt./A) in the finished spray volume.
- (4) AGRISEL GRASSOUT MAX HERBICIDE plus 2,4-DB may increase the severity of crop injury when tank mixed. Alfalfa plants will generally outgrow this temporary crop injury within a few weeks.
- (5) Before using this tank mix, read and understand the tank mix labels for geographical restrictions and restrictions regarding alfalfa growth stage and type. Failure to do so can result in crop injury to alfalfa. Do no feed, graze, or harvest alfalfa for 30 days following an application or imazethapyr to alfalfa.
- (6) In the states of Washington, Oregon, Idaho, Montana, Wyoming, Colorado, Utah, Nevada and the western halves of North Dakota, South Dakota, Nebraska, and Kansas: Apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 2 trifoliates. Unacceptable crop injury may occur to alfalfa seedlings less than the 2-trifoliate leaf stage. Applications made when temperatures are expected to exceed 80°F and 3 days following application can result in unacceptable crop injury. In the states not listed above, apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 4-trifoliate leaves. When alfalfa stand is uneven and conditions favor leaf burn, unacceptable crop injury may occur to alfalfa in the 2-trifoliate or smaller stage of growth. Applications made when temperatures are expected to exceed 70°F and 3 days following application can result in unacceptable crop injury. Crop leaf burn can occur following application. Warm, humid conditions may enhance leaf burn. New crop growth will not be affected.
- (7) **Restriction:** Do not apply when alfalfa is under moisture, temperature, insect or disease stress or has been stressed by other pesticide carryover or application.

### CANOLA (except Flax)

[Rapeseed Subgroup 20A (except flax seed, mustard seed and sesame seed)]
[(Not for use in California)]

Table 2. REDUCED RATE AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES (Refer to the tables for specific grasses and growth stages.)

	APPLICATION RATES/ACRE			
PRODUCT	ANNUAL GRASSES(1)	PERENNIAL	AMMONIUM SULFATE	
		GRASSES	GROUND	AIR
AGRISEL GRASSOUT MAX HERBICIDE <sup>(2)</sup>	4 to 5 fl. oz. (0.63 to 0.78 lb. a.i.)			
+ glufosinate (3)	+ Refer to tank mix partner	-	3.0 lbs.	3.0 lbs.
J	label for use rate.			

<sup>(1)</sup> Annual grasses and sizes controlled with these tank mixtures are those that are identified in the DIRECTIONS FOR REDUCED RATE TO CONTROL SMALL ANNUAL GRASSES table.

#### COTTON

Table 3. AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES APPLIED POST DIRECTED TO COTTON

(2)	APPLICATION RATES/ACRE(1)		CROP OIL CONCENTRATE <sup>(3)</sup>	
PRODUCT <sup>(2)</sup>	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	COMMENTS
AGRISEL GRASSOUT MAX HERBICIDE (4)	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.)	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.)	1% v/v	Reduce broadcast rate in proportion to the band area
+ lactofen + MSMA	See the tank mix partner labels for rates to control broadleaf weeds and height limitations for cotton. Refer to the AGRISEL GRASSOUT MAX HERBICIDE label for weed height and species controlled.			actually treated.

<sup>(1)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX HERBICIDE alone (without a tank mix herbicide), according to the appropriate size and rate directions.

- (2) Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.
- (3) Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.
- (4) If at the time of application, grass height is so tall that post-directed applications cannot get good coverage over the top of the grassy weeds, then poor control may result and a second (non-post directed) application of AGRISEL GRASSOUT MAX HERBICIDE may be necessary.

<sup>(2)</sup> **Restriction:** Do not apply AGRISEL GRASSOUT MAX HERBICIDE tank mix during or after bolting or flowering or crop injury may occur.

<sup>(3)</sup> For use only on LiberyLink® canola.

### Table 4. AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES TO CONTROL EMERGED WEEDS IN BXN COTTON AS A BROADCAST APPLICATION

PRODUCT <sup>(2)</sup>	APPLICATION RATE/ACRE <sup>(1)</sup> ANNUAL GRASSES	CROP OIL CONCENTRATE(3)	COMMENTS <sup>(7)</sup>
AGRISEL GRASSOUT MAX HERBICIDE + bromoxynil (4,5,6)	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) + See the tank mix partner label for rates to control broadleaf weeds and height limitations for cotton	1 qt./A	See charts for grasses controlled

- (1) If grass regrowth occurs or an additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX HERBICIDE at the specified rate with the appropriate amount of crop oil concentrate.
- (2) Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage.
- (3) Always add a crop oil concentrate at 1 gt./A by ground in the finished spray solution.
- (4) Applications can be made only to cotton that has been genetically modified for crop resilience to postemergence over-the-top applications of bromoxynil.
- (5) **Restriction:** Do not apply the tank mix within 75 days of harvest.
- (6) **Restriction:** Do not exceed two applications before cotton is 12 inches tall and one application after cotton is 12 inches tall.
- (7) Use a minimum of 10 gallons of spray solution per acre.

Table 5. AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES WITH GLYPHOSATE TO CONTROL EMERGED GRASSES IN COTTON AS A BROADCAST APPLICATION

	APPLICATION RATE/ACRE(1)		ADJUVANT		
PRODUCT	ANNUAL GRASSES	PERENNIAL GRASSES	Glyphosate formulation with built in adjuvant	Glyphosate formulation without built in adjuvant	COMMENTS
ACDISEI	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.)	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.)	Non-ionic surfactant @ 0.125 to	Crop oil concentrate @ 1 pt./A plus	See charts for grasses controlled
AGRISEL GRASSOUT MAX HERBICIDE + GLYPHOSATE	broadleaf weeds a	pel for rates to control and height limitations cotton.	0.25% v/v plus ammonium sulfate @ 8.5 to 17 lbs. per 100 gals. of carrier	ammonium sulfate @ 8.5 to 17 lbs. per 100 gals. of carrier	Use a minimum of 10 gals. of spray solution per acre.

<sup>(1)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX HERBICIDE at the specified rate with the appropriate amount of crop oil.

### **BEANS (DRY AND SUCCULENT SHELLED)**

[Succulent Shelled Pea and Bean Subgroup 6B] [Dried Shelled Pea and Bean (except Soybean 6C]

[(Not for use in California)]

### Table 6. AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR DRY BEANS (Refer to the tables for specific grasses and growth stages.)

	APPLICATION RATES/ACRE(1)				
PRODUCT	ANNUAL GRASSES	PERENNIAL GRASSES	CROP OIL CONCENTRATE <sup>(3)</sup> (V/V)		
			GROUND	AIR	
AGRISEL GRASSOUT MAX HERBICIDE + bentazon	8 to 10 fl. oz. (0.125 to 0.156 lb. a.i.) + Refer to the tank mix partner label for use rate.	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.)  + Refer to the tank mix partner label for use rate.	1%	1%	

<sup>(1)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX HERBICIDE alone (without a tank mix herbicide), according to the appropriate size and rate directions.

#### **FLAX**

[(Not for use in California)]

Table 7. REDUCED RATE AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR FLAX (Refer to the tables for specific grasses and growth stages.)

	APPLIC	ATION RATES	ACRE	
PRODUCT	ANNUAL GRASSES(1)	PERENNIAL	CROP O CONCENT	
		GRASSES		AIR
AGRISEL GRASSOUT MAX HERBICIDE	4 to 5 fl. oz. (0.63 to 0.78 lb. a.i.)			
+	+	-	1 pt.	1 pt.
Bromoxynil <sup>(2,3)</sup>	Refer to the tank mix			
	partner label for use rate.			
AGRISEL GRASSOUT MAX	4 to 5 fl. oz.			
HERBICIDE	(0.63 to 0.78 lb. a.i.)			
+	+	-	1 pt.	1 pt.
MCPA Ester <sup>(2,3)</sup>	Refer to the tank mix partner label for use rate.			

<sup>(1)</sup> Annual grasses and sized controlled with these tank mixtures are those that are identified in the **DIRECTIONS FOR REDUCED RATE TO CONTROL SMALL ANNUAL GRASSES** table.

<sup>(2)</sup> Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.

<sup>(2)</sup> **Restriction:** Do not apply AGRISEL GRASSOUT MAX HERBICIDE tank mix during or after the bud stage or to ornamental flax or crop injury may occur.

<sup>(3)</sup> **Restriction:** Do not apply tank mixes if temperatures are expected to exceed 85°F at (or 3 days following) application or crop injury may occur.

### **SOYBEAN**

Table 8. AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES<sup>(3)</sup> TO CONTROL ANNUAL GRASSES WHEN USED AS A BURNDOWN IN NO-TILL SOYBEANS

PRODUCT	PRODUCT ACRE RATE <sup>(1)</sup>	GRASS HEIGHT (inches)	CROP OIL CONCENTRATE <sup>(2)</sup>	28% N or 32% N QTS./A OR 2.5 to 4.0 lbs. AMS
AGRISEL GRASSOUT MAX HERBICIDE	3 fl. oz. (0.047 lb. a.i.)	Foxtail 1 to 3" Fall Panicum 1 to 3"	1 qt./A	1 to 2 qts./A <i>or</i> 2.5 to 4.0 lbs. AMS
+ 2,4-D ester*	4 fl. oz. (0.063 lb. a.i.)	Foxtail 1 to 4" Fall Panicum 1 to 4'	1 qt./A	1 to 2 qts./A <i>or</i> 2.5 to 4.0 lbs. AMS
	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to 2,4-D ester label for use rate.	(See Grass Chart for grasses claimed)	1 qt./A	1 to 2 qts./A <i>or</i> 2.5 to 4.0 lbs. AMS

<sup>\*2,4-</sup>D ester must not be used where drift sensitive crops may be grown.

<sup>(1)</sup> If regrowth occurs or an additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX HERBICIDE according to the appropriate size and rate directions.

<sup>(2)</sup> Always use a crop oil concentrate at the listed rate in the finished spray volume.

<sup>(3)</sup> The following products can be tank mixed with AGRISEL GRASSOUT MAX HERBICIDE plus 2,4-D ester: S-Metolachlor, Pendimethalin, Metribuzin.

### SOYBEAN (cont'd)

Table 9. AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEANS (Refer to the tables for specific grasses and growth stages.)

		APPLICATION F	RATES/ACRE(1)	
PRODUCT <sup>(2)</sup>	ANNUAL	PERENNIAL	CROP OIL CONCE	NTRATE <sup>(3)</sup> (V/V)
PRODUCI	GRASSES	GRASSES	GROUND	AIR
AGRISEL GRASSOUT MAX HERBICIDE	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.)	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.)	0.5.1.40/	407
+ lactofen	+ Refer to the tank mix partner label for use rate.	H Refer to the tank mix partner label for use rate.	0.5 to 1%	1%
AGRISEL GRASSOUT MAX HERBICIDE + bentazon	8 to 10 fl. oz. (0.125 to 0.156 lb. a.i.) + Refer to the tank mix partner label for use rate.	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) + Refer to the tank mix partner label for use rate.	1%	1%
AGRISEL GRASSOUT MAX HERBICIDE + Glyphosate (For use on Roundup Ready soybeans only)	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to glyphosate label for use rate.	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) + Refer to glyphosate label for use rate.	0.5 to 1% <sup>(4)</sup>	1% <sup>(4)</sup>
AGRISEL GRASSOUT MAX HERBICIDE + acifluorfen	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to the tank mix partner label for use rate.	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to the tank mix partner label for use rate.	0.5 to 1%	1%
AGRISEL GRASSOUT MAX HERBICIDE + fomesafen <sup>(6)</sup>	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to the tank mix partner label for use rate.	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) + Refer to the tank mix partner label for use rate.	1%	1%
AGRISEL GRASSOUT MAX HERBICIDE + chlorimuron ethyl	8 to 10 fl. oz. (0.125 to 0.156 lb. a.i.) + Refer to the tank mix partner label for use rate.	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) + Refer to the tank mix partner label for use rate.	1%	1%
AGRISEL GRASSOUT MAX HERBICIDE <sup>(5)</sup> + imazethapyr	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to the tank mix partner label for use rate.	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) per acre + Refer to the tank mix partner label for use rate.	1%	1%

	APPLICATION RATES/ACRE(1)				
PRODUCT <sup>(2)</sup>	ANNUAL	PERENNIAL	CROP OIL CONCE	NTRATE <sup>(3)</sup> (V/V)	
PRODUCT	GRASSES	GRASSES	GROUND	AIR	
AGRISEL GRASSOUT MAX HERBICIDE (5) + lactofen + chlorimuron ethyl	8 to 10 fl. oz. (0.125 to 0.156 lb. a.i.) + Refer to the tank mix partner labels for use rate.		0.5%	1%	
AGRISEL GRASSOUT MAX HERBICIDE (5) + lactofen + bentazon	8 to 10 fl. oz. (0.125 to 0.156 lb. a.i.) + Refer to the tank mix partner labels for use rate.		0.5%	1%	
AGRISEL GRASSOUT MAX HERBICIDE (5) + lactofen + imazethapyr	8 to 10 fl. oz. (0.125 to 0.156 lb. a.i.) +  Refer to the tank mix partner labels for use rate.		0.5%	1%	
AGRISEL GRASSOUT MAX HERBICIDE + flumiclorac + imazethapyr	8 to 10 fl. oz. (0.125 to 0.156 lb. a.i.) + Refer to the tank mix partner labels for use rate.		1%	1%	
AGRISEL GRASSOUT MAX HERBICIDE + flumiclorac + bentazon	8 to 10 fl. oz. (0.125 to 0.156 lb. a.i.) + Refer to the tank mix partner labels for use rate.		1%	1%	
AGRISEL GRASSOUT MAX HERBICIDE + flumiclorac + chlorimuron ethyl	8 to 10 fl. oz. (0.125 to 0.156 lb. a.i.) + Refer to the tank mix partner labels for use rate.		1%	1%	

	APPLICATION RATES/ACRE(1)				
PRODUCT <sup>(2)</sup>	ANNUAL	PERENNIAL	CROP OIL CONCE	NTRATE <sup>(3)</sup> (V/V)	
PRODUCTO	GRASSES	GRASSES	GROUND	AIR	
AGRISEL GRASSOUT MAX HERBICIDE + lactofen + flumiclorac	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to the tank mix partner labels for use rate.		0.5%	1%	
AGRISEL GRASSOUT MAX HERBICIDE (5) + chloransulam	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to the tank mix partner label for use rate.	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) + Refer to the tank mix partner label for use rate.	1%		
AGRISEL GRASSOUT MAX HERBICIDE (5) + lactofen + chloransulam	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to the tank mix partner labels for use rate.	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) + Refer to the tank mix partner labels for use rate.	1%		
AGRISEL GRASSOUT MAX HERBICIDE (5) + imazamox	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to the tank mix partner label for use rate.		1%		
AGRISEL GRASSOUT MAX HERBICIDE (5) + lactofen + imazamox	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.)  Refer to the tank mix partner labels for use rate.		1%		
AGRISEL GRASSOUT MAX HERBICIDE (5) + chlorimuron + thifensulfuron	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) <sup>(7)</sup> + Refer to the tank mix partner labels for use rate.		1 qt./A		
AGRISEL GRASSOUT MAX HERBICIDE (5) + lactofen + chlorimuron + thifensulfuron	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) (7) + Refer to the tank mix partner labels for use rate.		1 pt./A		

	APPLICATION RATES/ACRE(1)			
PRODUCT <sup>(2)</sup>	ANNUAL	PERENNIAL	CROP OIL CONC	ENTRATE <sup>(3)</sup> (V/V)
PRODUCT	GRASSES	GRASSES	GROUND	AIR
	6 to 8 fl. oz.			
AGRISEL GRASSOUT MAX	(0.094 to 0.125 lb.			
HERBICIDE (5)	a.i.)			
+	+		1 qt./A	
flumiclorac	Refer to the tank			
	mix partner label			
	for use rate.			
AGRISEL GRASSOUT MAX	6 to 8 fl. oz.	8 to 16 fl. oz.		
HERBICIDE	(0.094 to 0.125 lb.	(0.125 to 0.250 lb.		
+	a.i.)	a.i.)		
chloransulam	+	+	1%	
+	Refer to the tank	Refer to the tank		
fomesafen <sup>(6)</sup>	mix partner labels	mix partner labels		
	for use rate.	for use rate.		

- (1) If grass regrowth occurs or an additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX HERBICIDE alone (without a tank mix herbicide), according to the appropriate size and rate directions.
- (2) Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.
- (3) Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.
- (4) The addition of 2.5 lb. of ammonium sulfate is required when AGRISEL GRASSOUT MAX HERBICIDE is tank mixed with Glyphosate. If the Glyphosate formulation has a stand alone built in adjuvant, add 0.125% v/v non-ionic surfactant in place of crop oil concentrate. If the glyphosate formulation does not have a built-in adjuvant system, add 0.5 to 1% crop oil concentrate for ground application and 1% v/v for aerial application.
- (5) The addition of 1 to 2 qts./A of liquid fertilizer (10-34-0, or 32% N) is advised when AGRISEL GRASSOUT MAX HERBICIDE is tank mixed with these products. An equivalent amount (2.5 to 4.0 lbs./A) of adjuvants are to be added in addition to the crop oil concentrate.
- (6) Refer to tank mix partner label for geographic and rotational restrictions.
- (7) Annual grasses and sizes controlled with these tank mixtures are those which are identified in the **DIRECTIONS FOR REDUCED RATE TO CONTROL SMALL ANNUAL GRASSES** table.

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### SOYBEAN (cont'd)

Table 10. REDUCED RATE AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEAN (Refer to table DIRECTIONS FOR REDUCED RATE TO CONTROL SMALL ANNUAL GRASSES IN CANOLA, DRIED SHELLED BEAN & PEA (INCLUDING SOYBEAN), EDIBLE PODDED LEGUME VEGETABLES, FLAX, MUSTARD SEED, BEAN & PEA (SUCCULENT SHELLED) AND SUGAR BEET) (Reduced rate directions not for use in California)

	APPLICATION RATES/ACRE(1)			
PRODUCT	ANNUAL GRASSES <sup>(2)</sup>	PERENNIAL GRASSES	CROP CONCENTI (V/V	<b>RATE</b> (3,4)
			GROUND	AIR
AGRISEL GRASSOUT MAX HERBICIDE + cloransulam	4 to 8 fl. oz. (0.063 to 0.125 lb. a.i.)  + Refer to the tank mix partner label for use rate.	-	1%	1%
AGRISEL GRASSOUT MAX HERBICIDE + imazethapyr	4 to 6 fl. oz (0.063 to 0.094 lb. a.i.) + Refer to the tank mix partner label for use rate.	-	1%	1%

<sup>(1)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX HERBICIDE alone (without a tank mix herbicide), according to the appropriate size and rate directions.

<sup>(2)</sup> Annual grasses and sizes controlled with these tank mixes are those that are identified in the **DIRECTIONS FOR REDUCED RATE TO CONTROL SMALL ANNUAL GRASSES** table.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.

<sup>(4)</sup> The addition of 1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N, or 32%N) is required when AGRISEL GRASSOUT MAX HERBICIDE is tank mixed at reduce rate. An equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added in place of liquid fertilizer. Fertilizer adjuvants are to be added in addition to the crop oil concentrate.

### **PEANUT (Including PERENNIAL)**

Table 11. AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR PEANUT (Refer to the tables for specific grasses and growth stages.)

	APPLICATION RATES/ACRE(1)				
PRODUCT <sup>(2)</sup>	ANNUAL GRASSES <sup>(2)</sup>	PERENNIAL GRASSES	CONCENTR	CROP OIL CONCENTRATE <sup>(3)</sup> (V/V)	
			GROUND	AIR	
AGRISEL GRASSOUT MAX HERBICIDE + bentazon	8 to 10 fl. oz. (0.125 to 0.156 lb. a.i.) + Refer to the tank mix partner label for use rate.	-	1%	1%	
AGRISEL GRASSOUT MAX HERBICIDE + acifluorfen	8 to 10 fl. oz. (0.125 to 0.156 lb. a.i.) + Refer to the tank mix partner label for use rate.	-	1%	1%	

<sup>(1)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX HERBICIDE alone (without a tank mix herbicide), according to the appropriate size and rate directions.

### DIRECTIONS FOR GRASS SUPPRESSION FOR HARVEST EFFICIENCY IN PEANUT WITH AGRISEL GRASSOUT MAX HERBICIDE

GRASS SPECIES	WEED STAGE	RATE FL. OZ./ ACRE	HIGH RATE
Annual and perennial grasses that exceed height claimed for control on height charts "DIRECTIONS"	Up to and including grasses in the seed head stage	16 (0.250 lb. a.i.)	32 (0.500 lb.
FOR ANNUAL GRASSES" & "DIRECTIONS FOR PERENNIAL GRASSES"		,	` a.i.)

**RESTRICTION:** Do not apply as part of a tank mix when applying AGRISEL GRASSOUT MAX HERBICIDE for grass suppression.

Add a crop oil concentrate at 1 qt./A by ground to the finished spray volume.

<sup>(2)</sup> Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.

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### **SUGAR BEET**

Table 12. AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES APPLIED TO SUGAR BEETS (Refer to the tables for specific grasses and growth stages)

Product <sup>(2)</sup>	Application	Crop Oil Cor	ncentrate <sup>(3)</sup>	
	Annual Grasses	Perennial Grasses	Ground	Air
AGRISEL GRASSOUT MAX HERBICIDE	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.)	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.)	1%	v/v
clopyralid		label for rates. Refer to ed height and species cont		RASSOUT MAX

<sup>(1)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX HERBICIDE alone (without a tank mix herbicide), according to the appropriate size and rate directions.

Table 13. AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES APPLIED TO SUGAR BEETS [(Not for use in California)]

Product <sup>(2)</sup>	Weeds (	Controlled	Wood Hoight	Application
Product	<b>Common Name</b>	<b>Scientific Name</b>	Weed Height	Rate/Acre <sup>(1)</sup>
AGRISEL GRASSOUT	Barnyardgrass	Echinochioa crus- galli	1-3"	
MAX HERBICIDE (3)	Foxtail	Setaria spp.	1-3"	8 fl. oz.
+	Foxtail Millet	Setaria italica	1-3"	(0.125 lb. a.i.)
desmedipham +	Wild Oats	Avena fatua	1-3"	
phenmedipham	Wild Proso Millet	Panicum milaceum	1-3"	
OR			See the tank mix part	ner labels for rates to
desmedipham			control broadleaf wee	ds. No additives are
			advised in the tank mix	ζ.

**RESTRICTION:** Do not use crop oil concentrate. No additives are advised in the tank mix.

<sup>(2)</sup> Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.

Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.

If grass regrowth occurs or an additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX HERBICIDE at full label rate with appropriate rate of crop oil concentrate.

Table 14. AGRISEL GRASSOUT MAX HERBICIDE TANK MIX FOR THREE SEQUENTIAL APPLICATIONS FOR ANNUAL GRASS CONTROL (MICRO-RATE APPLICATION)

	АР	PLICATION RATES/ACRE	(1)		
PRODUCT	ANNUAL GRASSES	GRASSES CONTROLLED	METHYLATED SEED OIL <sup>(2)</sup> (V/V)		
		(inches)	GROUND	AIR	
AGRISEL GRASSOUT  MAX HERBICIDE  +  desmedipham  +  desmedipham +  phenmedipham	2 to 3 fl. oz. (0.031 to 0.047 lb. a.i.) + Refer to the tank mix partner labels for use rate.	Green Foxtail (1-2) Yellow Foxtail (1-2) Barnyardgrass (1-2) Wild Oat (1-2) Volunteer Cereals (1-2)	1.5%	1.5%	

<sup>(1)</sup> Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.

### **DIRECTIONS FOR MICRO-RATE APPLICATIONS TO SUGAR BEETS**

Multiple micro-rate applications of AGRISEL GRASSOUT MAX HERBICIDE in tank mixtures with reduce rates of desmedipham or desmedipham + phenmedipham and methylated seed oils may be applied by air or ground equipment to sugar beets to control early germinating annual grasses listed above. Refer to tank mix partner labels for use rates. Favorable climatic conditions (good conditions for plant growth and development) are essential for adequate weed control. All use precautions and restrictions on the tank mix partner master labels must be followed.

### DIRECTIONS FOR USING MICRO-RATE MULTIPLE APPLICATIONS OF AGRISEL GRASSOUT MAX HERBICIDE TANK MIXES

Apply AGRISEL GRASSOUT MAX HERBICIDE in broadcast applications only at a rate of 2 to 3 fl. oz. (0.031 to 0.047 lb. a.i.) in tank mixtures with either desmedipham or desmedipham + phenmedipham. Refer to the tank mix partner label for use rates. If weed control is not adequate due to climatic conditions, spray coverage or other factors, return to conventional application rates of AGRISEL GRASSOUT MAX HERBICIDE, 6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) per acre, and add rates of desmedipham or desmedipham + phenmedipham as directed on their label. When using tank mix partners at conventional rates with AGRISEL GRASSOUT MAX HERBICIDE, a spray adjuvant is not advised.

### USE PRECAUTIONS FOR MICRO-RATE APPLICATIONS: (SEE TANK MIX PARTNR LABELS FOR FURTHER USE PRECAUTIONS.)

Not all weeds will be adequately controlled, even with favorable climatic conditions. Conventional rate of AGRISEL GRASSOUT MAX HERBICIDE, desmedipham or desmedipham + phenmedipham and/or hand labor may be required if multiple micro-rate applications do not adequately control weeds. Plugging of spray nozzles may be encountered due to the potential for formation of a precipitate in the spray solution that is often associated with micro-rate applications. To the extent consistent with applicable law, Agrisel USA, Inc. will not be responsible for any nozzle plugging that may occur with the use of multiple micro-rate applications.

Restriction: Do not use methylated seed oil.

<sup>(2)</sup> Always use a methylated seed oil at the listed rate (but not less than 1 pt./A) in the finished spray volume.

### **GROUND APPLICATION**

Use of sufficient spray volumes and pressure is essential to ensure complete coverage. Use a minimum of 10 gals. and a maximum of 20 gals. of spray solution per acre. Spray pressures must reflect a minimum of 30 psi and a maximum of 60 psi at the nozzle. Do not use flood nozzles.

### **AERIAL APPLICATION**

Use of sufficient spray volumes is essential to ensure complete coverage. Use a minimum of 5 gals. and a maximum of 15 gals. of spray solution per acre.

Table 15. TANK MIX APPLICATION OF AGRISEL GRASSOUT MAX HERBICIDE AND FUNGICIDES FOR CONTROL OF GRASS WEEDS AND DISEASES IN SUGAR BEET

	Į.	APPLICATION RATES/ACRE(1	.)
PRODUCT <sup>(2)</sup>	ANNUAL GRASSES	PERENNIAL GRASSES	CROP OIL CONCENTRATE <sup>(3)</sup> (V/V)
AGRISEL GRASSOUT MAX HERBICIDE + tetraconazole	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to the tank mix partner label for use rate.	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.)  + Refer to the tank mix partner label for use rate.	1%

<sup>(1)</sup> If grass regrowth occurs, or an additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX HERBICIDE alone (without a tank mix fungicide) according to the appropriate size and rate directions.

<sup>(2)</sup> Refer to AGRISEL GRASSOUT MAX HERBICIDE and fungicide label for rates and weeds and diseases controlled.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.

Table 16. TANK MIX APPLICATION OF AGRISEL GRASSOUT MAX HERBICIDE AND INSECTICIDES FOR THE CONTROL OF GRASS WEEDS AND INSECTS IN ALFALFA, COTTON, MINT (PEPPERMINT AND SPEARMINT TOPS), PEANUTS (Including PERENNIAL), SOYBEANS & SUNFLOWER [(Not for use in California)]

	APPLIC	CATION RATES/A	CRE <sup>(1)</sup>			CROP	S		
PRODUCT <sup>(2)</sup>	ANNUAL GRASSES	PERENNIAL GRASSES	CROP OIL CONCENTRATE (V/V) <sup>(3)</sup>	Alfalfa <sup>(4)</sup>	Cotton	Mint(4,5) (peppermint and spearmint tops)	Peanut	Soybean	Sunflower
AGRISEL GRASSOUT MAX HERBICIDE + acephate (6)	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to the tank mix partner label for use rate.	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) + Refer to the tank mix partner label for use rate.	1%		х	х	х	х	
AGRISEL GRASSOUT MAX HERBICIDE + fenpropathrin	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to the tank mix partner label for use rate.	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) + Refer to the tank mix partner label for use rate.	1%		х		х		
AGRISEL GRASSOUT MAX HERBICIDE + esfenvalerate	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to the tank mix partner label for use rate.	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) + Refer to the tank mix partner label for use rate.	1%						х
AGRISEL GRASSOUT MAX HERBICIDE + lambda-cyhalothrin	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) + Refer to the tank mix partner label for use rate.	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) + Refer to the tank mix partner label for use rate.	1%						x
AGRISEL GRASSOUT MAX HERBICIDE + lambda-cyhalothrin	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) <sup>(7)</sup> + Refer to the tank mix partner label for use rate.	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) + Refer to the tank mix partner label for use rate.	1%	х					
AGRISEL GRASSOUT MAX HERBICIDE + B-cyfluthrin	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) <sup>(7)</sup> + Refer to the tank mix partner label for use rate.	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.)(	1%	x					

	APPLIC	CATION RATES/A	CRE <sup>(1)</sup>			CROP	S		
PRODUCT <sup>(2)</sup>	ANNUAL GRASSES	PERENNIAL GRASSES	CROP OIL CONCENTRATE (V/V) <sup>(3)</sup>	Alfalfa <sup>(4)</sup>	Cotton	Mint(4,5) (peppermint and spearmint tops)	Peanut	Soybean	Sunflower
AGRISEL GRASSOUT MAX HERBICIDE + dimethoate	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) <sup>(7)</sup> + Refer to the tank mix partner label for use rate	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) + Refer to the tank mix partner label for use rate	1%	х					
AGRISEL GRASSOUT MAX HERBICIDE + chlorpyrifos	10 to 16 fl. oz. (7) (0.156 to 0.250 lb. a.i.) + Refer to the tank mix partner label for use rate.	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) + Refer to the tank mix partner label for use rate.	1 to 2 pt. <sup>(8)</sup>	х					
AGRISEL GRASSOUT MAX HERBICIDE + permethrin	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) <sup>(7)</sup> + Refer to the tank mix partner label for use rate	10 to 16 fl. oz. (0.156 to 0.250 lb. a.i.) + Refer to the tank mix partner label for use rate.	1%	х					

- (1) If grass regrowth occurs, or an additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX HERBICIDE alone (without a tank mix insecticide) according to the appropriate size and rate directions.
- (2) Refer to AGRISEL GRASSOUT MAX HERBICIDE and insecticide label for rates, weeds, and insects controlled.
- (3) Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.
- (4) Certain insecticides may cause temporary phytotoxic symptoms on alfalfa and mint (peppermint and spearmint tops) foliage.
- (5) The AGRISEL GRASSOUT MAX HERBICIDE rate must be 6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) per acre for annual grass control in baby mint (peppermint and spearmint tops), minimum of 8 fl. oz. (0.125 lb. a.i.) per acre for annual grass control in established mint (peppermint and spearmint tops) and 8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) per acre for perennial grass control. Crop oil concentrate must be added at the rate of 1.0 to 2.0 pts./A.
- (6) Insecticide tank mix use with acephate in soybeans is permitted only in a state having an approved Section 24(c) registration for acephate use in soybeans.
- <sup>(7)</sup> The AGRISEL GRASSOUT MAX HERBICIDE rate must be 6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) per acre for annual grass control in seedling alfalfa.
- (8) For the AGRISEL GRASSOUT MAX HERBICIDE plus chlorpyrifos tank mix, reduce the adjuvant rate down to 1.0 pt./A.

### Table 17. DIRECTIONS FOR ROUNDUP READY VOUNTEER CORN CONTROL IN ROUNDUP READY SOYBEANS WITH AGRISEL GRASSOUT MAX HERBICIDE TANK MIX

Roundup Ready Volunteer Corn Height (inches)	AGRISEL GRASSOUT MAX HERBICIDE Rate fl. oz./A	Glyphosate <sup>(1)</sup> rate for formulations with built in adjuvant	Adjuvant
<12	4 (0.063 lb. a.i.)		New ionic confestors @ 0.135 to 0.350/
12 to 18	5 (0.078 lb. a.i.)	Refer to glyphosate label for use rate.	Non-ionic surfactant @ 0.125 to 0.25%  v/v plus ammonium sulfate @ 8.5 to 17
18 to 24	6 (0.094 lb. a.i.)		lbs. per 100 gals. of carrier

Roundup Ready Volunteer Corn Height (inches)	AGRISEL GRASSOUT MAX HERBICIDE Rate fl. oz./A	Glyphosate <sup>(1)</sup> rate for formulations without built in adjuvant	Adjuvant
<12	4 (0.063 lb. a.i.)		Cron cil concentrate @ 1 mt /A mine
12 to 18	5 (0.078 lb. a.i.)	Refer to glyphosate label for use rate.	Crop oil concentrate @ 1 pt./A plus ammonium sulfate @ 8.5 to 17 lbs. per
18 to 24	6 (0.094 lb. a.i.)		100 gals. of carrier

<sup>(1)</sup> Glyphosate formulation must be labeled for use on Roundup Ready soybeans.

### THE MOST RESTRICTIVE LABELING OF ANY PRODUCT USED IN A TANK MIX MUST BE FOLLOWED.

- Apply only to actively growing grass and broadleaf weeds at specified height or growth stage listed on each label.
- Apply under favorable soil moisture and humidity which exist a few days after rainfall or within seven days after irrigation.
- Tank mix applications may sometimes result in reduced grass control. If regrowth occurs, or an
  additional flush of new grass emerges, make a second application of AGRISEL GRASSOUT MAX
  HERBICIDE, as specified in the respective size and rate tables.
- Avoid contact with foliage, green stems, or fruit crops, or any desirable plants and trees, other than soybean with the Roundup Ready gene as severe injury or destruction will result.
- This tank mix may be applied postemergence to Roundup Ready soybean up through the full flowering stage.

### **RESTRICTIONS:**

- Do not tank mix AGRISEL GRASSOUT MAX HERBICIDE when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.
- Do not apply less than 60 days before harvest.
- Do not allow the AGRISEL GRASSOUT MAX HERBICIDE plus Roundup to mist, drip, drift or splash
  onto desirable vegetation as minute quantities of the tank mix can cause severe damage or
  destruction to the crops, plants or other areas on which treatment was not intended. The likelihood of
  injury occurring from drift of this product is greatest when winds are gusty or in excess of 5 miles per
  hour. Even under lesser wind velocities, avoid conditions that allow spray drift to occur including
  combinations of spray pressure and nozzle type that will result in fine particles (mist) that are likely to
  drift.

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### **DIRECTIONS FOR USE IN FALLOW LAND**

AGRISEL GRASSOUT MAX HERBICIDE may be used to control annual and perennial grasses in land that has been left fallow the previous year and other non-producing agricultural areas. Apply AGRISEL GRASSOUT MAX HERBICIDE at 6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) per acre for annual grasses and 8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) per acre for perennial grasses. When both grass and broadleaf weeds are the target pest, AGRISEL GRASSOUT MAX HERBICIDE may be tank mixed with 2,4-D ester or dicamba for broad-spectrum control. When both annual and perennial grasses occur in the same field, use a minimum of 8 fl. oz. (0.125 lb. a.i.) per acre AGRISEL GRASSOUT MAX HERBICIDE rate.

- Use a minimum spray volume of 15 gals./A for ground applications and 5 gals./A for aerial applications.
- Apply only to actively growing grasses when the first grass reaches the specified weed height as specified by the Use Directions for Annual and Perennial Grasses section of this label.
- Annual grasses which emerge after the AGRISEL GRASSOUT MAX HERBICIDE application will not be controlled, and a second application may be necessary.
- The control of perennial grasses may require more than one application in non-tilled areas.

#### **RESTRICTIONS::**

- Do not apply more than 8 fl. oz. (0.125 lb. a.i.) AGRISEL GRASSOUT MAX HERBICIDE per application to Annual Grasses and 16 fl. oz. (0.250 lb. a.i.) AGRISEL GRASSOUT MAX HERBICIDE per application to Perennial Grasses.
- Do not exceed 5 applications at the 6 fl. oz. (0.094 lb. a.i.) use rate for Annual Grasses and do not exceed 4 applications at the 8 fl. oz. (0.125 lb. a.i.) rate for Perennial Grasses.
- For repeat applications make on a minimum of a 14 day interval.
- Do not apply more than 32 fl. oz. (0.500 lb. a.i.) AGRISEL GRASSOUT MAX HERBICIDE per acre per year
- Do not plant any crop for 30 days after application unless clethodim is registered for use in that crop.
- Do not apply to grasses that have tillered, formed seedheads or exceeded specified growth stage.
- Do not use flood jet nozzles.
- Do not apply to drought-stressed grasses.
- Do not mow area for two weeks prior to or after AGRISEL GRASSOUT MAX HERBICIDE application.

### Table 18. AGRISEL GRASSOUT MAX HERBICIDE IN TANK MIXES TO CONTROL ANNUAL AND PERENNIAL GRASSES IN FALLOW LAND

Product	Application	Application Rates/Acre <sup>(1)</sup>		p Oil ntrate <sup>(2)</sup>
	<b>Annual Grasses</b>	<b>Perennial Grasses</b>	Ground	Air
AGRISEL GRASSOUT MAX HERBICIDE + 2,4-D ester or	6 to 8 fl. oz. (0.094 to 0.125 lb. a.i.) Refer to 2.4-D ester or	8 to 16 fl. oz. (0.125 to 0.250 lb. a.i.) dicamba label for use rate.	19	6 v/v
Dicamba				

<sup>(1)</sup> Refer to AGRISEL GRASSOUT MAX HERBICIDE label for weed height and species control. Review the dicamba and 2,4-D labels for crop restrictions, use rates and weeds controlled.

<sup>(2)</sup> Always use a crop oil concentrate or methylated seed oil containing at least 15% emulsifier at the listed rate (but not less than 1 pt./A) in the finished spray volume.

# Table 19. AGRISEL GRASSOUT MAX HERBICIDE FOR THE CONTROL AND/OR SUPPRESSION OF TALL FESCUE IN NATIVE PRAIRIE WARM-SEASON GRASS RESTORATION PROJECTS [(Not for use in California)]

Product	<b>Product Rates</b>	Grass Weeds Controlled/Suppressed		Weed Stages
		Common Name	<b>Scientific Name</b>	
AGRISEL GRASSOUT	10 to 12 fl. oz./A	Tall Fescue	Festuca	4 to 6 inches (40 to
MAX HERBICIDE	(0.156 to 0.188 lb.		arundinacea	60% green-up)
	a.i.)			

Adjuvant: AGRISEL GRASSOUT MAX HERBICIDE must be applied with crop oil concentrate at 1 qt./A, plus a spray grade ammonium sulfate at 2.5 to 4 lbs./A. **Mixing Order:** Thoroughly mix spray grade ammonium sulfate in water, add AGRISEL GRASSOUT MAX HERBICIDE, then add crop oil concentrate.

### **Special Application Instructions**

Burn or mow fields a minimum of 3 weeks prior to application to remove excess crop residue. Apply in the spring, at 40 to 60% green-up, prior to emergence of warm-season grasses.

Apply in a minimum of 15 to 20 gals. of water per acre at a spray pressure of 40 to 60 PSI at the nozzle. Apply using flat fan or hollow cone nozzles.

Apply only to fields that have warm-season grasses established for two years. Applications of AGRISEL GRASSOUT MAX HERBICIDE to emerged warm-season grasses may cause injury.

NOTE: AGRISEL GRASSOUT MAX HERBICIDE applications are most effective if applied when average nighttime temperatures are consistently greater than or equal to 47°F.

#### **RESTRICTIONS:**

- Do not mow area for 2 weeks after the AGRISEL GRASSOUT MAX HERBICIDE application.
- Do not use flood jet nozzles.
- Do not apply to warm-season grasses grown for seed.
- Do not graze treated fields or feed treated forage and or hay to livestock.
- Do not plant any crop for 30 days after application, unless clethodim is registered for use in that crop.

### Table 20. AGRISEL GRASSOUT MAX HERBICIDE FOR THE SUPPRESSION OF TALL FESCUE SEED-HEADS IN NON-PRODUCING AGRICULTURAL AREAS

Product	<b>Product Rate</b>	Suppression	Application Timing
AGRISEL GRASSOUT	1 ½ to 2 fl. oz./A	Tall Fescue Seed-Heads	50 to 90% Tall
MAX HERBICIDE	(0.023 to 0.031 lb.	Festuca arundinacea	Fescue green-up
	a.i.)		

Adjuvant: AGRISEL GRASSOUT MAX HERBICIDE must be applied with crop oil concentrate at 1 qt./A, plus a spray grade ammonium sulfate at 2.5 to 4 lbs./A. **Mixing Order:** Thoroughly mix spray grade ammonium sulfate in water, add AGRISEL GRASSOUT MAX HERBICIDE, then add crop oil concentrate.

#### **Special Applications Instructions**

Apply at 50 to 90% tall fescue green-up.

Use the higher AGRISEL GRASSOUT MAX HERBICIDE rate if less tall fescue green matter is present.

Apply in a minimum of 15 to 20 gals. of water per acre at a spray pressure of 40 to 60 psi at the nozzle. Apply using flat fan or hollow cone nozzles. Do not use flood nozzles.

2,4-D ester may be added to this tank mix for broadleaf control (see the 2,4-D ester label for weeds controlled).

### **RESTRICTIONS:**

Do not mow area for two weeks after the AGRISEL GRASSOUT MAX HERBICIDE application.

Do not graze treated fields or feed treated forage and/or hay to livestock.

Do not plant any crop for 30 days after application, unless clethodim is registered for use in that crop.

### **NON-CROP OR NON-PLANTED AREAS**

The following areas are considered non-crop or non-planted areas: rights-of-way including railroads, highways, roads, dividers, medians, pipelines, public utility lines, pumping stations, transformer stations and substations. Around airports, electric utilities, commercial buildings, manufacturing plants, storage yards, rail yards, fence lines, parkways, and post-harvest croplands. Also beneath greenhouse benches and around golf courses.

### DIRECTIONS FOR GRASS SUPPRESSION NON-CROP AREAS WITH AGRISEL GRASSOUT MAX HERBICIDE

GRASS SPECIES	WEED STAGE	RATE FL. OZ./ACRE
Annual and perennial grasses that exceed height claimed for control on height charts above.	Up to and including grasses in the seed head stage	12-16 (0.188-0.250 lb. a.i.)

Add a crop oil concentrate at 1 gt./A by ground to the finished spray volume.

**Restriction:** Do not apply as part of a tank mix when applying AGRISEL GRASSOUT MAX HERBICIDE for grass suppression.

#### **DIRECTIONS FOR USE IN ORNAMENTALS**

Use Rates Per Acre	Use Instructions
6-16 fl. oz. (0.094 to 0.250 lb. a.i.)	For ornamental plant uses, AGRISEL GRASSOUT MAX HERBICIDE can be used to control labeled grass weeds in greenhouses, lathhouses, shadehouses, and around outdoor ornamentals, including nurseries, parks, roadside plantings, and structure landscapes.
	The plants listed below have been tested for use with AGRISEL GRASSOUT MAX HERBICIDE applications. See tables with listed ornamentals (ornamental trees, ground covers, garden flowers and plants, and shrubs.
	Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt per 50 gals (0.25% v/v).
	Use of crop oil concentrate is not advised since it may injure flowers and foliage. For repeat application make on a minimum of a 14 day interval.
	<ul> <li>RESTRICTIONS:</li> <li>AGRISEL GRASSOUT MAX HERBICIDE must not be applied to non-bearing fruit or nut crops which are grown for root stock.</li> <li>Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.</li> <li>Do not make more than 2 applications per acre per year.</li> <li>For repeat applications make on a minimum of a 14 day interval.</li> <li>Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.</li> </ul>

### **IMPORTANT**

AGRISEL GRASSOUT MAX HERBICIDE successfully controls weeds in newly transplanted and established non-grassy ornamentals. Plant resilience to AGRISEL GRASSOUT MAX HERBICIDE at labeled rates has been found to be acceptable for the indicated genera and species listed below. Due to variability within species, crop growth stage, environmental conditions, and application techniques, it is advised that the user determine if herbicide can be used safely on a few plants prior to widespread application. Neither the seller nor the manufacturer of AGRISEL GRASSOUT MAX HERBICIDE have investigated the safety factor to ornamental plants not listed on the label.

The following plants have shown a sensitivity for AGRISEL GRASSOUT MAX HERBICIDE applications:

### **ORNAMENTAL TREES**

Common Name	Scientific Name
Alder, red	Alnus oregona
Ash	Fraxinus spp.
Basswood	Tilia spp.
Birch, European white	Betula pendula
Birch, river	Betula nigra
Birch, white	Betula papyrifera
Crabapple, flowering	Malus halliana
Dogwood, flowering	Cornus, florida
Golden chain tree	Labumum anagyroides
Maples	Acer spp.
Mulberry, white	Morus alba
Oaks	Quercus spp.
Olive, wild	Elaeagnus angustifolia
Redbud	Cercis canadensis
Sweet gum, American	Liquidambar styraciflua

### **GARDEN FLOWERS AND PLANTS**

Common Name	Scientific Name
Ageratum	Ageratum spp.
Alyssum*, Sweet	Lobularia maritime
Asparagus fern	Asparagus setaceus
Bleeding heart	Dicentra spectabilis
Cast iron plant	Aspidistra alatior
Chrysanthemum	Chrysanthemum spp.
Cinquefoil	Potentilla spp.
Coleus	Coleus spp.
Coralbells	Heuchera sanguinea
Cranesbill	Geranium spp.
Dahlia	Dahlia spp.
Daisy, Trailing African	Osteospermum fruticosum
Daylily	Hemerocallis spp.
Dusty miller	Senecio cinerarie
Euonymus	Euonymus spp.
Gazania	Gazania spp.
Geranium, house	Pelargonium hortorum
Heather, False	Cuphea hyssopifolia
Hosta	Hosta fortunei
Iris	Iris spp.
Jasmine tobacco	Nicotiana alata
Loosestrife	Lythrum salicaria
Marigold	Tagetes spp.
Partridgeberry	Mitchella rapens
Petunia*	Petunia hybride
Phlox	Phlox spp.
Pinks	Dianthus spp.
Portulaca	Portulaca grandiflora

Common Name	Scientific Name
Salvia	Salvia spp.
Saxifrage	Saxifraga spp.
Sedum	Sedum spp.
Selloum	Philodendron selloum
Snapdragon*	Antirrhinum majus
Sweet flag	Acorus gramineus
Tickseed	Coreopsis grandiflora
Touch-me-not	Impatiens spp.
Verbena	Verbena spp.
Violet	Viola spp.
Yarrow, common	Achillea millefolium
Zinnia	Zinnia elegans

<sup>\*</sup>Slight foliage or flower speckling has been observed on these species.

### **GROUND COVERS**

01100112 0012110				
Scientific Name				
Ajuga reptans				
Hedera helix				
Pachysandra terminalis				
Liriope muscari				
Lysimachia nummularia				
Ophiopogon jaburan				
Ophiopogon japonicus				
Vinca minor				

### **SHRUBS**

Common Name	Scientific Name
Abelia	Abelia spp.
Anise, purple	Illicium floridenum
Aucuba	Aucuba spp.
Azalea*	Rhododendron spp.
Bamboo	Bambusa spp.
Barberry, Japanese	Berberis thunbargii
Barberry, Magellan	Berberis buxifolia
Baryberry	Myrica pensylvanica
Bottlebrush	Callistemon citrinus
Boxwood, Common	Buxus sempervirens
Camellia, Common	Camellia japonica
Candytuft	Iberis sempervirens
Cleyera	Cleyera japonica
Coralberry	Ardisia crenata
Crape myrtle	Lagerstroemia indica
Coyote brush	Baccharis pilularis
Fig, creeping	Ficus pumila
Gardenia	Gardenia spp.
Holly	Ilex spp.
Honeysuckle	Lonicera pileate
Indian hawthorn	Raphiolepis indica
Jasmine	Jasminum spp.

Common Name	Scientific Name
Jasmine, Asiatic	Trachelospermum
	asiaticum
Jasmine, Star	Trachelospermum
	jasminoides
Juniper	Juniperus spp.
Lantana	Lantana spp.
Nandina *, Bamboo Heavenly	Nandinia domestica
Oleander, common	Nerium oleander
Oregon grape	Mahonia aquifolium
Photina	Photina spp.
Pittosporum	Pittosporum spp.
Podocarpus	Podocarpus spp.
Privet	Liqustrum spp.
Pyracantha	Pyracantha spp.
Rhododendron	Rhododendron spp.
Rose	Spirea bumalda
Sweet olive	Osmanthus fregrens
Viburnum	Viburnum tinus
Wisteria	Wisteria spp.
Yellow sage/Shrub Verbena	Lantana camere

Yellow sage/Shrub Verbena | Lantana camere \*Slight foliage or flower speckling has been observed on these species.

### **DIRECTIONS FOR ANNUAL GRASSES IN ORNAMENTALS**

- Apply only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height.

Grass Species	Scientific Name	Weed* Height	Rate (fl. oz./acre)	
		(inches)	Low <sup>(1)</sup>	High <sup>(2)</sup>
Barnyardgrass	Echinochloa crus-galli	2-8	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Broadleaf Signalgrass	Brachiaria platyphylla	2-6	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Brome				
California	Bromus carinatus	2-6	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Cheatgrass	Bromus secalinus	2-6	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Downy	Bromus tectorum	2-6	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Ripgut	Bromus diandrus	2-6	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Canarygrass	Phalaris canariensis	1-4	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Crabgrass				
Hairy	Digitaria adscendens	2-6**	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Large	Digitaria sanguinalis	2-6**	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Smooth	Digitaria ischaemum	2-6**	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Southern	Digitaria ciliaris	2-6**	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Crowfootgrass	Dactyloctenium aegyptium	2-6**	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Fall Panicum	Panicum dichotomiflorum	2-8	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Field Sandbur	Cenchrus incertus	2-6	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Foxtail				
Giant	Setaria faberi	2-12	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Green	Setaria viridis	2-8	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Yellow	Setaria glauca	2-8	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Foxtail Barley	Hordeum jubatum	2-6	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Goosegrass	Eleusine indica	2-6**	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)

<b>Grass Species</b>	Scientific Name	Weed* Height	Rate (fl. oz./acre)	
		(inches)	Low <sup>(1)</sup>	High <sup>(2)</sup>
Itchgrass	Rottboellia exaltata	2-6	8	16
			(0.125 lb. a.i.)	(0.250 lb. a.i.)
Junglerice	Echinochloa colona	2-6	8	16
(0): 1		2.6	(0.125 lb. a.i.)	(0.250 lb. a.i.)
Lovegrass (Stinkgrass)	Eragrostis cilianensis	2-6	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Rabbitsfootgrass	Polypogon monspeliensis	1-4	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Red Rice	Oryza sativa	1-3	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Ryegrass				
Hardy	Lolium remotum	2-6	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Italian	Lolium multiflorum	2-6	8	16
			(0.125 lb. a.i.)	(0.250 lb. a.i.)
Seedling Johnsongrass	Sorghum halepense	4-10	8	16
		. =0	(0.125 lb. a.i.)	(0.250 lb. a.i.)
Shattercane	Sorghum bicolor	6-18	8	16
			(0.125 lb. a.i.)	(0.250 lb. a.i.)
Southwestern	Eriochlola gracillis	2-6	8	16
Cupgrass			(0.125 lb. a.i.)	(0.250 lb. a.i.)
Sprangletop Amazon	Leptochloa panicoides	2-6	8	16
Amazon	Leptocinoa particoldes	2-0	(0.125 lb. a.i.)	(0.250 lb. a.i.)
Bearded	Leptochloa fascicularis	2-6	8	16
			(0.125 lb. a.i.)	(0.250 lb. a.i.)
Mexican	Leptochloa uninervia	2-6	8	16
D-1	Lauta della Glifannia	2.6	(0.125 lb. a.i.)	(0.250 lb. a.i.)
Red	Leptochloa filiformis	2-6	8 (0.125 lb. a.i.)	16 (0.250 lb. a.i.)
Texas Panicum	Panicum texanum	2-6	8	16
Texas Fameani	Tameam texanam	2 0	(0.125 lb. a.i.)	(0.250 lb. a.i.)
Volunteer Cereals				
Barley	Hordeum vulgare	2-6	8	16
			(0.125 lb. a.i.)	(0.250 lb. a.i.)
Oats	Avena sativa	2-6	8	16
Rye	Secale cereale	2-6	(0.125 lb. a.i.) 8	(0.250 lb. a.i.)
Kye	Secale cereale	2-0	(0.125 lb. a.i.)	(0.250 lb. a.i.)
Wheat	Triticum aestivum	2-6	8	16
			(0.125 lb. a.i.)	(0.250 lb. a.i.)
Volunteer Corn	Zea mays	4-12	6	8
	_	15.51	(0.094 lb. a.i.)	(0.125 lb. a.i.)
Volunteer Corn	Zea mays	12-24	8 (0.135 lb - : )	16
Volunteer Grain	Corahum bicolor	8-12	(0.125 lb. a.i.)	(0.250 lb. a.i.) 16
Sorghum	Sorghum bicolor	0-12	(0.125 lb. a.i.)	(0.250 lb. a.i.)
	1	1		

Grass Species	Scientific Name	Weed* Height	Rate (fl. oz./acre)	
		(inches)	Low <sup>(1)</sup>	High <sup>(2)</sup>
Wild Oats	Aven fatua	2-6	8	16
			(0.125 lb. a.i.)	(0.250 lb. a.i.)
Wild Proso Millet	Panicum miliaceum	2-10	8	16
			(0.125 lb. a.i.)	(0.250 lb. a.i.)
Witchgrass	Panicum capillare	2-8	8	16
	,		(0.125 lb. a.i.)	(0.250 lb. a.i.)
Woolly Cupgrass	Eriochloa villosa	2-8	8	16
,			(0.125 lb. a.i.)	(0.250 lb. a.i.)

<sup>\*</sup>Generally occurs between 3-leaf stage and tillering.

Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt. per 50 gals. (0.25% v/v).

### DIRECTIONS FOR ANNUAL BLUEGRASS CONTROL WITH AGRISEL GRASSOUT MAX HERBICIDE IN ORNAMENTALS

GRASS SPECIES	WEED STAGE	RATE (fl. oz./ACRE)	
		Low <sup>(1)</sup>	High <sup>(2)</sup>
Annual Bluegrass (Poa annua)	To 4-Leaf	6 (0.094 lb. a.i.)	16 (0.250 lb ia)

Apply under favorable soil moisture and humidity which exists within a few days after rainfall or within 7 days after irrigation. Grass needs to be actively growing at time of application(s).

Apply at weed stage indicated on the label, as reduced control can be expected with more mature annual bluegrass.

Use the high rate under heavy grass pressure and/or when annual bluegrass is more mature.

Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt. per 50 gals. (0.25% v/v).

### **RESTRICTIONS:**

- Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.
- Do not make more than 2 applications per acre per year.
- For repeat applications make on a minimum of a 14 day interval.
- Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.

<sup>\*\*</sup>Length of lateral growth.

<sup>(1) 8</sup> fl. oz./A = approximately 0.2 fl. oz./1000 sq. ft.

<sup>(2) 16</sup> fl. oz./A = approximately 0.4 fl. oz./1000 sq. ft.

### DIRECTIONS FOR PERENNIAL GRASSES WITH AGRISEL GRASSOUT MAX HERBICIDE IN ORNAMENTALS

- Apply only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height.

### **RESTRICTIONS:**

- Do not apply more than 16 fl. oz. (0.250 lb. a.i.) per acre per application.
- Do not make more than 2 applications per acre per year.
- For repeat applications make on a minimum of a 14 day interval.
- Do not apply more than 32 fl. oz. (0.500 lb. a.i.) per acre per year.

Grass Species [(Scientific Name)]	Weed Height	Rate (fl. oz./acre) <sup>(1)</sup>	
	(inches)		
		Low <sup>(1)</sup>	High <sup>(2)</sup>
Bermudagrass (Cynodon dactylon)			
First Application	3 (or up to 6"	8	16
	runners)	(0.125 lb. a.i.)	(0.250 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	3 (or up to 6"	8	16
	runners)	(0.125 lb. a.i.)	(0.250 lb. a.i.)
Quackgrass (Elytrigia repens)			
First Application	4-8	8	16
		(0.125 lb. a.i.)	(0.250 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	4-8	8	16
		(0.125 lb. a.i.)	(0.250 lb. a.i.)
Rhizome Johnsongrass (Sorghum halepense)			
First Application	12-24	8	16
		(0.125 lb. a.i.)	(0.250 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	6-18	6	8
		(0.094 lb. a.i.)	(0.125 lb. a.i.)
Wirestem Muhly (Muhlenbergia frondonsa)			
First Application	4-8	8	16
		(0.125 lb. a.i.)	(0.250 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	4-8	8	16
		(0.125 lb. a.i.)	(0.250 lb. a.i.)

<sup>(1) 8</sup> fl. oz. (0.125 lb. a.i.) per acre = approximately 0.2 fl. oz./1000 sq. ft.

Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt. per 50 gals. (0.25% v/v).

<sup>(2) 16</sup> fl. oz./A = approximately 0.4 fl. oz./1000 sq. ft.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry place in original container.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Non-refillable containers Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**[(Non-refillable containers)** ( $\leq$  5 gallons): 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.]

**[(Non-refillable containers >5 gallons):** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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. 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 for 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.]

[**Refillable container: (bulk):** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.]

[To clean the container before final disposal, empty the remaining contents from the container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinseate into application equipment or rinsate collection system. Repeat this rinsing process two more times.]

#### **CONDITIONS OF SALE AND WARRANTY**

The DIRECTIONS FOR USE of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of AGRISEL USA, INC., its Supplemental Distributors, or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

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