



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

91234-235

Date of Issuance:

09/14/2021

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

A379.01

Name and Address of Registrant (include ZIP Code):

Atticus, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Heather McFarley, Acting Product Manager 24
Fungicide and Herbicide Branch, Registration Division (7505P)
Office of Pesticide Programs

Date:

09/14/2021

2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 91234-235.”
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 11/23/2020
- Alt#1 CSF dated 11/23/2020
- Alt#2 CSF dated 11/23/2020

If you have any questions, please contact Sayed Islam by phone at 703-347-0290, or via email at islam.sayed@epa.gov

Enclosure:

- Stamped label

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

CLETHODIM	GROUP	1	HERBICIDE
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A379.01 [™]

[Alternate Brand Name: Ceridian 3 EC]

ACTIVE INGREDIENT:	(% by weight)
Clethodim, (E)-2[1-[[[(3-chloro-2-propenyl)oxy]limino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2- cyclohexen-1-one36.7%
OTHER INGREDIENTS*:63.3%
TOTAL:100.0%

*Contains petroleum distillates.
 Contains 3.0 lb clethodim per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

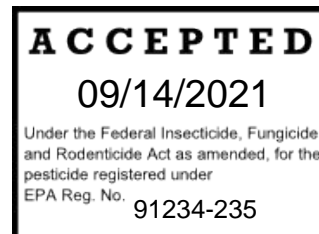
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
 (If you do not understand the label, find someone to explain it to you in detail.)

See [below] [inside label booklet] for [additional] [First Aid,] [and] [Precautionary Statements] [and] [Directions for Use].

FIRST AID	
If swallowed:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor. • DO NOT induce vomiting unless told to do so by the poison control center or doctor. • DO NOT give any liquid to the person. • DO NOT give anything by mouth to an unconscious person.
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15–20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
NOTE TO PHYSICIAN: Contains petroleum distillates. Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid, which can cause aspiration pneumonitis.	
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information. For medical emergencies, call the poison control center at 1-800-222-1222.	
For general information on this product, call 984-465-4800, or contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at http://npic.orst.edu .	

**For Chemical Emergency:
 Spill, Leak, Fire, Exposure, or Accident,
 Call CHEMTREC Day or Night
 Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

EPA Reg. No.: 91234-XX
 EPA Est. No.:
 Net Contents:



Manufactured for:
Atticus, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

{LANGUAGE INSIDE BOOKLET}

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear protective eyewear.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of Barrier Laminate or Viton \geq 14 mils.
- Shoes plus socks
- Protective eyewear

USER SAFETY REQUIREMENTS

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENTS

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

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

DO NOT apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** 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.

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

Important.

Read these entire **DIRECTIONS FOR USE** and **WARRANTY AND DISCLAIMER STATEMENT** before using **A379.01**.

PHYSICAL OR CHEMICAL HAZARDS

Combustible: **DO NOT** use or store near heat or open flame. **DO NOT** mix or allow coming in contact with oxidizing agent. **Hazardous Chemical reaction may occur.**

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.

[Language in brackets within the **DIRECTIONS FOR USE** is optional text specific to the State of California or New York.]

AGRICULTURAL USE REQUIREMENTS

Use this produce 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, including plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of Barrier Laminate or Viton \geq 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, forest, nurseries, or greenhouses.

Keep all unprotected persons out of operating areas, or vicinity where there may be drift. **DO NOT** enter or allow other persons to enter treated areas without protective clothing until sprays have dried.

PRODUCT INFORMATION

A379.01 is a selective postemergence herbicide for control of annual and perennial grasses. **A379.01** does not control sedges or broadleaf weeds. **A379.01** is a systemic herbicide which is translocated from the treated foliage to the growing points of the leaves, shoots and roots. Uptake into the plant is primarily through its leaves. Thorough coverage of the foliage is important for consistent grass control. The treated grass weeds show a reduction in vigor and growth. Early chlorosis/necrosis of younger plant tissue is followed by a progressive collapse of the remaining foliage. Depending on grass species treated and environmental conditions, symptoms will generally be observed in 7 to 14 days after application. Avoid contact of this product with desirable grass crops, including corn, rice, sorghum, small grains, or turf as these and other grass crops will be injured or killed.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, **A379.01** is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to **A379.01** 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 must be followed.

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

- Rotate the use of **A379.01** 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 weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less

prone to resistance.

- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout 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 including hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Atticus, LLC at 984-465-4800.

CROPS AND USES

A379.01 is not advised for use on vegetable crops being grown for seed production unless specific instructions are included in this labeling.

This product is for use on the following crops and uses:

Alfalfa, Asparagus, Canola*, Clover**, Corn (Field)***, Cotton, Flax*, Garlic, Hops, Peppermint and Spearmint Tops, Mustard Seed*, Peach, Peanuts, Safflower, Sesame, Soybeans, Strawberry, Sunflower, and

Root Vegetables Crop Group Subgroup 1B [Beets (Garden), Burdock (edible), Carrot, Celeriac, Chervil (Turnip-rooted), Chicory, Ginseng, Horseradish, Parsley (Turnip-rooted), Parsnip, Radish, Radish, Oriental (daikon), Rutabaga, Salsify (Black and Spanish), Skirret, Turnip],

Vegetables, Tuberous and Corm, Subgroup 1C, and Artichoke Globe[*] [Arracacha, Arrowroot, Artichoke* (Chinese and Jerusalem), Canna (Edible), Cassava (Bitter and Sweet), Chayote (Root), Chufa, Dasheen, Ginger, Leren, Potato, Sweet Potato, Tanier, Tumeric, Turnip, Yam (Bean and True)],

Bulb Vegetables Crop Subgroup 3-07A & 3-07B [Garlic (Bulb and Great head (Elephant)), Leek, Onion (Dry Bulb and Green, Welsh), and Shallot]

Leafy Greens Crop Group Subgroup 4A [Amaranth, Arugula, Chervil, Chrysanthemum (Edible leaved and Garland), Corn Salad, Cress (Garden and Upland), Dandelion, Dock, Endive, Lettuce, Orach, Parsley, Purslane (Garden and Winter), Radicchio (Red Chicory), Spinach (New Zealand and Vine)]

Leafy Petioles Crop Group Subgroup 4B [Cardoon, Celery, Celery (Chinese), Celtuce, Fennel (Florence), Rhubarb, Swiss Chard]

Head and Stem Brassica Crop Group Subgroup 5A [Broccoli, Broccoli (Chinese), Brussels Sprouts, Cabbage, Cabbage (Chinese (napa) and Chinese Mustard), Cauliflower, Cavalo Broccolo, Kohlrabi],

Leafy Brassica Greens Crop Group Subgroup 5B [Broccoli Raab, Cabbage (Bok Choy), Collards, Kale, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens]

Legume Vegetables Crop Group 6 (except soybeans) [Bean (*Lupinus* spp.) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin), Bean (*Phaseolus* spp.) (includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean), Bean (*Vigna* spp.) (includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean), Broad bean (fava bean) (*Vicia faba*), Chickpea (garbanzo bean) (*Cicer arietinum*), Guar

(*Cyamopsis tetragonoloba*), Jackbean (*Canavalia ensiformis*), Lablab bean (hyacinth bean) (*Lablab purpureus*), Lentil (*Lens esculenta*), Pea (*Pisum* spp.) (includes dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea), Pigeon pea (*Cajanus cajan*), and Sword bean (*Canavalia gladiata*)

Fruiting Vegetables (Except Cucurbits) Crop Group 8 [Eggplant, Groundcherry, Pepino, Pepper including bell pepper, chili pepper, cooking pepper, pimento and sweet pepper, Tomatillo, and Tomato]

Cucurbit Vegetables Crop Group Melon Subgroup 9A [Citron Melon, Muskmelon, and Watermelon],

Cucurbit Vegetable Crop Group Squash/Cucumber Subgroup 9B [Chayote (fruit), Chinese Waxgourd, Cucumber, Gherkin, Gourd (Edible), *Momordica* spp., Pumpkin, Squash (Summer and Winter)]

Berry and Small Fruit Crop Group Caneberry Subgroup 13-07A* [Blackberry, Loganberry, Raspberry (Red and Black), Wild Raspberry, cultivars, varieties and/or hybrids of these]

Berry and Small Fruit Crop Group Bushberry Subgroup 13-07B* [Aronia Berry, Blueberry (Highbush and Lowbush), Currant (Black, Buffalo, and Red), Guava (Chilean), Elderberry, European Barberry, Gooseberry, Cranberry (Highbush), Honeysuckle (Edible), Huckleberry, Jostaberry, Juneberry, Lingonberry, Native Currant, Salal, Sea Buckthorn, Cultivars, varieties and/or hybrids of these]

Herbs and Spice Crop Group. Herbs Subgroup 19A [Angelica, Balm, Basil, Borage, Burnet, Chamomile, Catnip, Chervil (Dried), Chive, Chive (Chinese and Clary), Coriander (Leaf), Costmary, Cilantro (Leaf), Curry, Dillweed, Horehound, Hyssop, Lavender, Lemongrass, Lavage (Leaf), Marigold, Marjoram (*Origanum* spp.), Nasturtium, Parsley (Dried), Pennyroyal, Rosemary, Rue, Sage, Savory (Summer and Winter), Sweet Bay, Tansy, Tarragon, Thyme, Wintergreen, Woodruff, and Wormwood].

* Not registered for use in California.

** For use on clover grown in the states of Idaho, Oregon and Washington only.

*** **A379.01** is for use to control existing stands of field corn.

PRECAUTIONS

- Always read and follow label directions of all products. Always follow the most restrictive label language for all products whether used alone or in a tank mix. The most restrictive label language of any product used applies in tank mixtures, including all crop rotational and other crop restrictions.
- This product is not advised for use on vegetable crops being grown for seed production unless specific use directions are provided.
- While all the vegetable crops on this label have been tested and are resistant to **A379.01**, not all specialty varieties of these crops have been tested. Before applying **A379.01** to specialty varieties of vegetable crops on this label, it is advised that crop resistance 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.
- Grass crops including corn, rice, sorghum, small grains, or turf, etc. are highly sensitive to **A379.01**.
- Optimal 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. No fewer than two (2) **A379.01** applications per year are advised at the appropriate weed-growth stage rate under continuous no-till conditions, due to this non-uniform weed emergence.
- Tank mixes of **A379.01** and broadleaf herbicides may result in reduced grass control. If grass regrowth occurs, an additional application of this product may be necessary.

RESTRICTIONS

- **DO NOT** plant any crop for 30 days after application unless **A379.01** is registered for use on that crop.
- **DO NOT** apply if rain is expected within 1 hour of application, as control may be unsatisfactory.
- [Application in Nassau and Suffolk Counties of New York State is restricted to no more than 10.67 fl oz of **A379.01** (0.25 lb ai) per acre per year.]
- **DO NOT** apply under conditions of stress. Applying **A379.01** under conditions that **DO NOT** promote active grass growth will reduce herbicide effectiveness. These conditions include, drought, excessive water, low humidity and extremes in temperature, and grasses either partially controlled or stunted from prior pesticide applications. Grasses under these kinds of stressful conditions will not absorb and translocate **A379.01** effectively, and will be less susceptible to herbicide activity.
- **DO NOT** apply a postemergence broadleaf herbicide within one day following application of **A379.01** or reduced grass control may result.

MIXING INSTRUCTIONS

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water. While agitating, add the correct amount

- of **A379.01**, making sure that agitation makes a rippling or rolling action on the water surface.
2. When tank mixing this product 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.
 3. Add any required adjuvants (crop oil concentrate, nonionic surfactant and/or nitrogen solution).
 4. Fill spray tank to desired level with water.

Continue agitation until all spray solution has been applied.

Failure to agitate the spray solution may result in improper mixing of the herbicides and unsatisfactory weed control. Verify mixing and compatibility qualities by conducting a jar test.

APPLICATION INFORMATION

Make applications of **A379.01** postemergence to actively growing grasses according to the rate table directions. Applications to grass plants exceeding specified growth stages could result in unsatisfactory control.

When irrigation is used to supplement limited rainfall in arid regions, apply **A379.01** as soon as possible, after an irrigation (within 7 days). A second application of this product will generally provide more effective control of perennial grass weed than a single application in arid regions. Apply a 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 this product could reduce weed control.

GROUND APPLICATION

To ensure complete coverage, it is essential to use sufficient spray volumes and pressure. Use a minimum of 5 gallons and a maximum of 40 gallons of spray solution per acre. Ten gallons per acre can improve grass control under certain conditions including: ultra narrow row cotton, 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. Set spray pressures to reflect a minimum of 30 psi and a maximum of 60 psi at the nozzle. **DO NOT** use flood nozzles.

Spot Treatment

Mix 1/3% to 2/3% (0.44 oz to 0.85 oz per gal) product when using hand sprayers or high volume sprayers utilizing hand guns. While not allowing runoff of spray solution, apply to wet vegetation.

NOTE: If **A379.01** is applied as a spot treatment, **DO NOT** exceed the maximum rate allowed on a "per acre" basis or crop injury could occur. Care must be taken when **A379.01** is applied as a spot treatment to onions, garlic, shallots, or non-bearing food crops or crop injury could occur.

AERIAL APPLICATION

Use a minimum of 3 gallons of spray solution per acre unless otherwise directed in this label. If grass or crop foliage becomes dense, increase spray volumes up to 10 gallons.

For onions (dry bulbs), garlic or shallots (dry bulbs): **DO NOT** exceed 5.33 fl oz/A (0.125 lb ai) in a single application when applying by air. **DO NOT** exceed 2 applications per year on garlic and shallot. In California, **DO NOT** exceed 2 applications per year on onion. Apply a minimum of 20 gallons of spray solution per acre when applying by air to onions, garlic or shallots in the state of California. In states other than California, make air applications to onions, garlic, and shallots in a minimum of 10 gallons per acre.

DO NOT apply by air on orchard crops and pecans.

NOTE: Crop injury can occur when this product is applied to onions, garlic or shallots with aerial equipment.

CHEMIGATION (SPRINKLER IRRIGATION APPLICATION)

ONIONS (dry bulbs) and GARLIC ONLY

May be applied to onions and garlic by sprinkler irrigation systems. Only apply to onions and garlic using chemigation.

DO NOT apply by chemigation to any other crop other than Onions and Garlic.

DO NOT apply this product by chemigation in the states of Idaho, Montana, Oregon, and Washington.

Make application of **A379.01** 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 the **A379.01** into the 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.

DO NOT apply A379.01 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 regular serves an average of at least 25 individuals daily at least 60 days out of the year.

Precautions

- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.
- A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

RESTRICTIONS

- Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move system(s). **DO NOT** apply this product through any other type of irrigation system.
- **DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
- 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 back flow.
- 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 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.

MANDATORY SPRAY DRIFT MANGEMENT

Aerial Applications

- Do not release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For all applications, applicators are required to use a coarse or coarser spray droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use 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 inversions.

Ground Applications

- Apply with the nozzle height specified by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium or coarser spray 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.

Boom-less Ground Applications:

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions

Spray Drift Advisories

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.

BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

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

Controlling Droplet Size - Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure specified for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size - Aircraft

- Adjust Nozzles - Follow nozzle manufacturer's directions for setting up nozzles. To reduce fine droplets, nozzles must be oriented parallel with the airflow in flight.

BOOM HEIGHT - Ground Boom

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

RELEASE HEIGHT - Aircraft

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

SHIELDED SPRAYERS

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

TEMPERATURE AND HUMIDITY

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

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

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

Boom-less Ground Applications:

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

Handheld Technology Applications:

Take precautions to minimize spray drift.

USE RATES AND APPLICATION PROCEDURES

ADJUVANT OR CROP OIL CONCENTRATE DIRECTIONS

A379.01 does not contain an adjuvant system. For its activation adjuvants are required for control. Crop oil concentrate (COC) provides the most consistent activation of **A379.01**. Crop oil concentrates can cause crop injury with certain tankmix partners or on sensitive crops. Under these circumstances non-ionic surfactants (NIS) can be used in replace of crop oil concentrate. Reduced weed control may result from use of non-ionic surfactant. Under drought conditions methylated seed oil adjuvants can be used in replacement of COC. Methylated seed oils can increase crop injury potential and care must be taken when considering its use. Ammonium sulfate (AMS) or urea-ammonium nitrate (UAN) can improve control of hard to control grasses and help overcome potential antagonism from tankmix partners. The use of AMS or UAN is only allowed on specified crops. Follow the **A379.01 USE RATES / RESTRICTIONS / LIMITATIONS** table for guidelines. Follow the table below for adjuvant use rates:

Specified Adjuvant use with A379.01		
Adjuvant	Adjuvant Use Rate	Comment
COC (Crop Oil Concentrate) OR	1% v/v or 1 Qt/A	Use with A397.01 in most use patterns other than the listed directly below.
MSO (Methylated Seed Oil) OR	1% v/v or 1.5 Qt/A	Use for improved control under drought conditions or other weed stress conditions. MSO can increase injury with some tankmix partners.
NIS (Non-ionic surfactant)	0.25 – 0.5% v/v	Use when tankmix partners or crop sensitivity limit the use of oil adjuvants. Grass control from A397.01 will be reduced.
Nitrogen Fertilizer Adjuvant¹	Adjuvant Use Rate	Comment
Ammonium Sulfate (AMS) OR	1 – 4 lb/A or 8.5 – 17 lb/100 gallons of spray solution	Use for improved control of difficult grass species. AMS is not to be used on all crops.
28-32% Urea Ammonium Nitrate (UAN)	1 -2 Qt/A	Use when a source of AMS is not available.
¹ The addition of liquid fertilizer is not advised for the following crops: Artichoke, Asparagus, Berry and small fruit crops; Bushberry, Caneberry, Carrot, Cranberry, Cucurbits, Fruiting Vegetables (except Tomato), Garden Beet, Garlic, Head & Stem Brassica Vegetables, Herbs, Hops, Leaf Petioles, Leafy Brassica Greens, Leafy Greens, Leek, Mustard Seed, Non-Bearing Food Crops, Onion (Dry Bulb), Peach, Radish, Root Vegetables, Sesame, Shallots (Dry Bulb), Strawberry, Tomato, and Root and Tuber Leaves.		

The use of adjuvants can increase crop injury of tankmix partners. Consult the tankmix partner label for further guidance.

When an adjuvant is to be used with this product, Atticus, LLC advises the use of a Chemical Producers and Distributors Association certified adjuvant.

APPLICATION RATES BY CROP

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
Alfalfa Established including: Sainfoin Holy Clover Birdsfoot trefoil Alfalfa Seedling	15 days before grazing, feeding or harvesting (cutting) for forage or hay. Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4.0 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year when applied at reduced rates. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days This product can be applied to seedling or established alfalfa grown for seed.
Artichoke* (Globe)	5 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Asparagus	1 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Beans^(A), Dry Shelled including: Bean (<i>Lupinus</i> spp .) Grain Sweet White White Sweet Bean (<i>Phaseolus</i> spp .) Field Kidney Lima (dry) Navy Pinto Runner Snap Tepary Wax Bean (<i>Vigna</i> spp .) Adzuki Asparagus Blackeyed Pea Catjang Chinese longbean	30 day PHI Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
Cowpea Crowder Pea Moth Mung Rice Southern Pea Urd Yardlong Broad (dry) Chickpea (garbanzo) Guar Jackbean Lablab Sword				
Bean^(A), Succulent Shelled including: Bean (Phaseolus spp.) Broad Bean (succulent) Lima (dry) Bean (Vigna spp.) Black-eyed Pea Cowpea Southern Pea	21 day PHI	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT apply more than (1) application per acre per year. • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per year.
Beet, Garden	30 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Beet, Sugar	40 day PHI Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4.0 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Berry and Small Fruit Crops; Bushberry[*] including (except Cranberry): Aronia Berry Blueberry (Highbush) Guava, Chilean Currant, Black Currant, Buffalo Currant, Native Currant, Red	14 days PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days • DO NOT apply for Bushberry grown for root stock. <p>Direct the application towards the</p>

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
Elderberry European Barberry Gooseberry Honeysuckle Edible Huckleberry Jostaberry Juneberry Lingonberry Salal Sea Buckthorn				base of the plant to avoid contact with leaf tissue. Contact with the upper portions of the plant can result in crop injury.
Caneberry[*] Subgroup 13-07A, including: Blackberry Loganberry Raspberry Black Raspberry Red Raspberry	7 days Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days • DO NOT apply for Caneberry grown for root stock <p>Direct the application towards the base of the plant to avoid contact with leaf tissue. Contact with the upper portions of the plant can result in crop injury.</p>
Canola[*]	70 day PHI	2.67–5.33 fl oz (0.063 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply after crop has begun bolting. • DO NOT exceed 5.33 fl oz (0.125 lb ai)/A in a year. • DO NOT make more the 1 application per acre per year. <p>Crop injury could occur when this product is applied during the bloom period.</p>
Carrot	30 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Clover	15 day PHI before grazing, feeding, or harvesting (cutting) for forage or hay. Maintain a 14-day interval for repeat	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.25 lb ai)/A per application. • DO NOT make more than 1 application per acre per year. • DO NOT exceed 10.67 fl oz (0.250 lb ai)/A in a year.

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
	applications.			For use on clover grown in the states of Idaho, Oregon and Washington only.
Cotton	60 day PHI Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air . AMS: 2.5–4 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz/A per application. • DO NOT make more than 4 applications per acre per year when applied at reduced rates. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days • DO NOT graze treated fields or feed treated forage or hay to livestock.
Cranberry	30 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days • DO NOT apply between the “hook” stage and full fruit set.
Cucurbits Subgroup 9A), including: Citron Melon Cantaloupe (all) Honeydew Melon Muskmelons (all) Watermelon Cucurbits Subgroup 9B, including: Chayote (fruit) Chinese Wax Gourd (Chinese preserving melon) Cucumber Edible Gourd Gherkin Momordica spp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber) Pumpkin Squash (all)	14 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year when applied at reduced rates. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
Fallow Land (and other non-producing agricultural areas) Non-Crop or Non-Planted areas	N/A Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year when applied at reduced rates. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days • DO NOT plant any crop for 30 days following application unless clethodim is registered for use on that crop. See NON-CROP OR NON-PLANTED AREAS section for additional information.
Flax[*]	60 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per year. • Retreatment Interval: 14 days Make application prior to bloom. If applied during bloom, crop injury could occur.
Fruiting Vegetables^(A) (Crop Group 8-10; except Okra and Tomato) including: Eggplant Groundcherry Pepino Peppers (all) Tomatillo	20 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Onions, Dry Bulb Only (Crop Subgroup 3-07A) including: Daylily (bulb) Fritillaria (bulb) Garlic (bulb, great-headed bulb, serpent bulb) Lily (bulb) Onion (bulb, Chinese bulb, pearl, potato bulb) Shallot (bulb) Cultivars, varieties	45 day PHI Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	California only: DO NOT apply until the crop has at least two full leaves. Minimum 20 gals/A spray volume by ground in entire U.S. <ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year when applied at reduced rates. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days • For ground application, DO NOT exceed 5.33 fl oz/A in a single

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
and/or hybrids of these commodities				<p>application to garlic or shallots.</p> <ul style="list-style-type: none"> For aerial application, DO NOT exceed 5.33 fl oz/A in a single application to onion garlic and shallots. <p>See SPOT APPLICATION and AERIAL APPLICATION sections for additional information and restrictions.</p>
<p>Onion, Green (Crop Subgroup 3-07B) including:</p> <p>Chive (fresh leaves) Chive (Chinese, fresh leaves) Elegans Hosta Fritillaria (leaves) Kurrat Lady's Leek Leek Leek (wild) Onion (Beltsville bunching, fresh, green, macrostem, tree tops, Onion, welsh tops) Shallot (fresh leaves) Cultivars, varieties, and/or hybrids of these commodities</p>	14 day PHI Maintain a 14-day interval for repeat applications	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. DO NOT make more than 4 applications per acre per year. DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. Retreatment Interval: 14 days
<p>Brassica Head & Stem Vegetables^(A) (Crop Group 5-16) including:</p> <p>Broccoli (Chinese) Brussels Sprouts Cabbage (Chinese and Chinese Mustard) Cauliflower Cavalo Broccolo Kohlrabi</p>	30 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. DO NOT make more than 4 applications per acre per year. DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. Retreatment Interval: 14 days
<p>Herbs^(A) Subgroup 19A including:</p> <p>Angelica Balm Basil Borage Burnet Chamomile Catnip Chervil, (dried) Chive</p>	14 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. DO NOT make more than 4 applications per acre per year. DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. Retreatment Interval: 14 days <p>This product has not been tested on all herbs, and herb varieties. It is the responsibility of the user to test this</p>

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
Chinese Chive Chinese Clary Coriander (leaf) Costmary Cilantro (leaf) Curry (leaf) Dill (dillweed) Horehound Hyssop Lavender Lemongrass Lovage (leaf) Marigold Marjoram (<i>Origanum</i> spp.) Nasturtium Parsley (dried) Pennyroyal Rosemary Rue Sage Savory: Summer and Winter Sweet Bay Tansy Tarragon Thyme Wintergreen Woodruff Wormwood				product on a small portion of the crop to be treated before treating the entire field. Verify crop resistance to this product on a small area of the herb crop, at the desired rate. If no crop response is evident seven (7) days after treatment, this product may be used on the entire field at the same rate tested and with the same crop oil used in the resistance test.
Hops	21 day PHI Maintain a 14-day interval for repeat applications .	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Leafy Petioles Vegetables (Crop Subgroup 22B) including: Cardoon Celery Chinese Celery Celtuce Fennel (Florence) Rhubarb Swiss chard	30 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
Brassica Leafy Greens^(A), (Crop subgroup 4-16B) including: Broccoli Raab Cabbage, Chinese (Bok choy) Collards Kale Mizuna Mustard Greens Mustard Spinach Rape Greens	14 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Leafy Greens^(A) Subgroup 4-16A including: Amaranth Chinese Spinach Leafy Amaranth Tampala Arugula (roquette) Chervil Chrysanthemum, Edible-leaved Garland Corn Salad Cress Garden Upland Dandelion Dock (sorrel) Endive (escarole) Lettuce (head and leaf) Orach Parsley Purslane Garden Winter Radicchio (red chicory) Spinach New Zealand Vine	14 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Legume Vegetables, Edible Podded^(A) (Crop Subgroup 6A) including: Bean (<i>Phaseolus</i> spp .) Runner Snap Wax	21 day PHI	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4.0 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A in a single application. • DO NOT apply more than one (1) application per acre per year. <p>For peas apply before bloom, but no later than 21 days before harvest.</p>

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
Bean (<i>Vigna</i> spp .) Asparagus Chinese Longbean Moth Yardlong Jackbean Pea (<i>Pisum</i> spp .) Dwarf Edible-pod Snow Sugar Snap Pigeon Sword Bean				
Lentils	30 day PHI Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4.0 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Peppermint and Spearmint Tops	21 day PHI Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4.0 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Mustard Seed[*]	75 day PHI Maintain a 14-day interval for repeat applications.	2.67–4.0 fl oz (0.063 – 0.094 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 4.0 fl oz (0.094 lb ai)/A per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 10.67 fl oz in a year. • Retreatment Interval: 14 days • DO NOT apply after crop has begun bolting. If applied during the bloom period, crop injury could occur.

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
<p>Non-Bearing Food Crops including:</p> <p>Apples Berries</p> <p>Cherry, sweet Citrus fruit Grapes Olives Peach Pears Prunes Stone fruit Strawberries</p> <p>Tree nuts</p> <p>Almond Filbert Pecan Pistachio Walnut</p>	N/A Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: not advised due to injury to flowers and foliage. Use a non-ionic surfactant (NIS) at 0.25% v/v	<p>Sugar Maples cannot be tapped for syrup within one year of application.</p> <ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year when applied at reduced rates. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days <p>See SPOT APPLICATION and AERIAL APPLICATION sections for additional information and restrictions. DO NOT apply by air on orchard crop or pecans.</p> <p>See NON-BEARING FOOD CROPS section for specific use sites.</p>
<p>Pea, Dry Shelled^(A) (Crop Subgroup 6C) including:</p> <p>Pea (<i>Pisum</i> spp .) Field Pigeon</p>	30 day PHI For peas apply before bloom, but no later than 30 days before harvest.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4.0 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A in a single application. • DO NOT apply more than one (1) application per acre per year. <p>Applications of this product to peas during the bloom period could result in severe crop injury, including loss of yield and delayed maturity.</p>
<p>Pea, Succulent Shelled^(A) (Crop Subgroup 6B) including:</p> <p>Pea (<i>Pisum</i> spp .) Dwarf Edible-pod English Garden Green Snow Sugar Snap Pigeon Sword</p>	21 day PHI For peas apply before bloom, but no later than 21 days before harvest.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4.0 lb/A or 8.5–17.0 lb/100 gallons of spray solution.	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A in a single application. • DO NOT apply more than one (1) application per acre per year. <p>Applications of this product to peas during the bloom period could result in severe crop injury, including loss of yield and delayed maturity.</p>
Peach	14 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
				oz (0.5 lb ai)/A per year. <ul style="list-style-type: none"> • Retreatment Interval: 14 days • DO NOT apply for Peach grown for root stock. • Direct the application towards the base of the plant to avoid contact with leaf tissue. Contact with the upper portions of the plant can result in crop injury. • DO NOT apply to peaches by air.
Peanut (including perennial)	40 day PHI Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4.0 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per application. • DO NOT make more than 4 applications per year when applied at reduced rates. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days • For Florida Perennial peanuts, DO NOT apply more than 21.33 fl oz/A per year.
Potato	30 day PHI Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4.0 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year when applied at reduced rates. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Radish Radish, Oriental (daikon)	15 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 10.67 fl oz/A per year. • Retreatment Interval: 14 days
Root Vegetables^(A) (Subgroup 1B; except Carrot, Sugar Beet and Radish), including: Burdock (edible) Celeriac Chervil (Turnip-rooted) Chicory Ginseng Horseradish Parsley (Turnip-rooted) Parsnip Rutabaga	30 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
Salsify Black Spanish Skirret Turnip				
Safflower	70 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4.0 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per year. • Retreatment Interval: 14 days
Sesame	14 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days • DO NOT apply during flowering.
Soybean	60 day PHI Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4.0 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year when applied at reduced application rates. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days • DO NOT graze treated fields or feed treated forage or hay to livestock.
Strawberry	4 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Sunflower	70 day PHI Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4.0 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year when applied at reduced application rates. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
Tuberous and Corm Vegetables^(A) (Crop Subgroup 1C; except Potato), including: Arracacha Arrowroot Artichoke* (Chinese, Jerusalem) Canna Cassava (Bitter, Sweet) Chayote Chufa Dasheen Ginger Leren Sweet Potato Tanier Turmeric Turnip Yam See separate Crop Specific Use Instructions on this label for instructions for use on Potato.	30 day PHI Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5–4.0 lb/A or 8.5–17.0 lb/100 gallons of spray solution	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year when applied at reduced application rates. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Tomato	20 day PHI Maintain a 14-day interval for repeat applications.	4–10.67 fl oz (0.094 – 0.250 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 10.67 fl oz (0.250 lb ai)/A per application. • DO NOT make more than 4 applications per acre per year when applied at reduced application rates. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year. • Retreatment Interval: 14 days
Root and Tuber Leaves (for Beets, Carrots, and Radish, refer to Beets, Carrot and Radish specific crop information) Burdock (edible) Cassava; bitter and sweet Celeriac Chervil Chicory	14 day PHI Maintain a 14-day interval for repeat applications.	4–5.33 fl oz (0.094 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: None	<ul style="list-style-type: none"> • DO NOT apply more than 5.33 fl oz (0.125 lb ai)/A per application. • DO NOT apply more than 21.33 fl oz (0.5 lb ai)/A per year.

A379.01 USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) AND AMMONIUM SULFATE (AMS)	SPECIAL USE INSTRUCTIONS AND RESTRICTIONS
Dasheen Parsnip Rutabaga Salsify (Black) Sweet potato Tanier Turnip Yam (True)				
N/A—Not Applicable ^ Refer to Crops and Uses section of this label. [*Not registered for use in California.]				

ATTENTION

Plant resistance to **A379.01** 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 the herbicide can be used safely on a few plants prior to widespread application. Neither the seller nor the manufacturer of **A379.01** has investigated the safety factor to plants not listed on this label.

NON-BEARING FOOD CROPS

DO NOT APPLY A379.01 TO NON-BEARING FRUIT OR NUT CROPS GROWN FOR ROOT STOCK.

If **A379.01** is improperly applied, crop injury to non-bearing fruit and nut crops can occur. **DO NOT** apply **A379.01** directly over the top of these plant types. Rather, direct the spray at the base of the plant where grassy weeds are growing near the ground.

Non-bearing fruit and nut crops are plants which will not bear fruit or nuts for at least one year following an application of **A379.01**.

NON-BEARING FOOD CROPS

COMMON NAME	SCIENTIFIC NAME
Apples	<i>Malus</i> spp.
Berries	<i>Vaccinium</i> spp.
	<i>Rubus</i> spp.
Cherry, sweet	<i>Prunus avium</i>
Citrus fruit	<i>Citrus</i> spp.
Grapes	<i>Vitis</i> spp.
Olives	<i>Olea</i> spp.
Peach	<i>Prunus persica</i>
Pears	<i>Pyrus communis</i>
Prunes	<i>Prunus</i> spp.
Stone fruit	<i>Prunus</i> spp.
Strawberries	<i>Fragaria</i> spp.
Tree nuts	
Almond	<i>Prunus tribola</i>
Filbert	<i>Corylus maxima</i>
Pecan	<i>Carya illinoensis</i>
Pistachio	<i>Pistacia vera</i>
Walnut	<i>Juglans</i> spp.

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; post-harvest croplands; and beneath greenhouse benches and around golf courses.

DIRECTIONS FOR ANNUAL GRASSES (EXCEPT FOR IN ESTABLISHED ALFALFA AND PEPPERMINT AND SPEARMINT TOPS)

Make application to actively growing grasses at specified weed heights.

Make application when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.

Use the higher rate under heavy grass pressure and/or when grasses are at maximum heights.

Grass Species	Scientific Name	Weed Height (inches)	Rate ⁽³⁾ FL OZ/A (lb ai/A)	
Barnyardgrass	<i>Echinochloa crus-galli</i>	2 to 8	4 (0.094)	5.33 (0.125)
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	2 to 6	4 (0.094)	5.33 (0.125)
Brome				
California	<i>Bromus carinatus</i>	2 to 6	4 (0.094)	5.33 (0.125)
Cheat	<i>Bromus secalinus</i>	2 to 6	4 (0.094)	5.33 (0.125)
Downy	<i>Bromus tectorum</i>	2 to 6	4 (0.094)	5.33 (0.125)
Ripgut	<i>Bromus diandrus</i>	2 to 6	4 (0.094)	5.33 (0.125)
Canarygrass	<i>Phalaris canariensis</i>	1 to 4	4 (0.094)	5.33 (0.125)
Crabgrass				
Hairy	<i>Digitaria adscendens</i>	2 to 6**	4 (0.094)	5.33 (0.125)
Large	<i>Digitaria sanguinalis</i>	2 to 6**	4 (0.094)	5.33 (0.125)
Smooth	<i>Digitaria ischaemum</i>	2 to 6**	4 (0.094)	5.33 (0.125)
Southern	<i>Digitaria ciliaris</i>	2 to 6**	4 (0.094)	5.33 (0.125)
Crowfootgrass	<i>Dactyloctenium aegyptium</i>	2 to 6**	4 (0.094)	5.33 (0.125)
Fall Panicum	<i>Panicum dichotomiflorum</i>	2 to 8	4 (0.094)	5.33 (0.125)
Field Sandbur	<i>Cenchrus incertus</i>	2 to 6	4 (0.094)	5.33 (0.125)
Foxtail				
Giant	<i>Setaria faberi</i>	2 to 12	4 (0.094)	5.33 (0.125)
Green	<i>Setaria viridis</i>	2 to 8	4 (0.094)	5.33 (0.125)
Yellow	<i>Setaria glauca</i>	2 to 8	4	5.33

Grass Species	Scientific Name	Weed Height (inches)	Rate ⁽³⁾ FL OZ/A (lb ai/A)	
			(0.094)	(0.125)
Goosegrass	<i>Eleusine indica</i>	2 to 6**	4 (0.094)	5.33 (0.125)
Itchgrass	<i>Rottboellia cochinchinensis</i>	2 to 6	4 (0.094)	5.33 (0.125)
Junglerice	<i>Echinochloa colona</i>	2 to 6	4 (0.094)	5.33 (0.125)
Lovegrass (Stinkgrass)	<i>Eragrostis cilianensis</i>	2 to 6	4 (0.094)	5.33 (0.125)
Rabbitsfootgrass	<i>Polypogon monspeliensis</i>	1 to 4	4 (0.094)	5.33 (0.125)
Red Rice	<i>Oryza sativa</i>	1 to 3	4 (0.094)	5.33 (0.125)
Ryegrass				
Hardy	<i>Lolium remotum</i>	2 to 6	4 (0.094)	5.33 (0.125)
Italian	<i>Lolium multiflorum</i>	2 to 6	4 (0.094)	5.33 (0.125)
Seedling Johnsongrass	<i>Sorghum halepense</i>	4 to 10	4 (0.094)	5.33 (0.125)
Shattercane	<i>Sorghum bicolor</i>	6 to 18	4 (0.094)	5.33 (0.125)
Southwestern Cupgrass	<i>Eriochloa gracilis</i>	2 to 6	4 (0.094)	5.33 (0.125)
Sprangle top				
Amazon	<i>Leptochloa panicoides</i>	2 to 6	4 (0.094)	5.33 (0.125)
Bearded	<i>Leptochloa fascicularis</i>	2 to 6	4 (0.094)	5.33 (0.125)
Mexican	<i>Leptochloa uninervia</i>	2 to 6	4 (0.094)	5.33 (0.125)
Red	<i>Leptochloa filiformis</i>	2 to 6	4 (0.094)	5.33 (0.125)
Texas Panicum	<i>Panicum texanum</i>	2 to 6	4 (0.094)	5.33 (0.125)

Grass Species	Scientific Name	Weed Height (inches)	Rate ⁽³⁾ FL OZ/A (lb ai/A)	
Volunteer Cereals⁽²⁾				
Barley	<i>Hordeum vulgare</i>	2 to 6	4 (0.094)	5.33 (0.125)
Oats	<i>Avena sativa</i>	2 to 6	4 (0.094)	5.33 (0.125)
Rye	<i>Secale cereale</i>	2 to 6	4 (0.094)	5.33 (0.125)
Wheat	<i>Triticum aestivum</i>	2 to 6	4 (0.094)	5.33 (0.125)
Volunteer Corn⁽¹⁾	<i>Zea mays</i>	up to 12	2.67 (0.063)	4 (0.094)
Volunteer Corn⁽¹⁾	<i>Zea mays</i>	up to 24	4 (0.094)	5.33 (0.125)
Volunteer Corn⁽¹⁾	<i>Zea mays</i>	up to 36	5.33 (0.125)	6.67 (0.156)
Volunteer Grain Sorghum	<i>Sorghum bicolor</i>	8 to 12	4 (0.094)	5.33 (0.125)
Wild Oats	<i>Avena fatua</i>	2 to 6	4 (0.094)	5.33 (0.125)
Wild Proso Millet	<i>Panicum miliaceum</i>	2 to 10	4 (0.094)	5.33 (0.125)
Witchgrass	<i>Panicum capillare</i>	2 to 8	4 (0.094)	5.33 (0.125)
Woolly Cupgrass	<i>Eriochloa villosa</i>	2 to 8	4 (0.094)	5.33 (0.125)

* Generally occurs between 3-leaf stage and tillering.

** Length of lateral growth.

¹ Includes Roundup Ready®, Liberty Link®, and IMI-CORN® volunteer corn.

² The minimum **A379.01** use rate for control when a cereal grain crop (including wheat) is interseeded for crop establishment or is planted as wind breaks to aid crop establishment is 5.33 fl oz/A (0.125 lb ai).

³ Where experience has shown that higher rates are needed for satisfactory control of annual grasses, rates higher than 5.33 fl oz/A may be applied in certain geographic areas, cropping situations, or environmental conditions. In these situations, rates from 5.33 to 10.67 fl oz (0.125 – 0.250 lb ai)/A can be applied. Follow the use rate restrictions in that **A379.01 USE RATES/RESTRICTIONS/LIMITATIONS** table before applying higher rates.

DIRECTIONS FOR ANNUAL & PERENNIAL GRASS CONTROL IN ESTABLISHED ALFALFA AND PEPPERMINT AND SPEARMINT TOPS WITH A379.01			
GRASS SPECIES	WEED STAGE	RATE FL OZ/A (lb ai)	
Annual & perennial Grasses Listed in Grass Table	See Table	6.67	10.6

		(0.156)	(0.248)
<p>Mowing: Achieving the best control of annual grasses can be made by applying A379.01 before grass weeds are mowed. Once 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 over-winter after having been mowed multiple times. These grasses form large crowns and may contain many viable buds. Even though these grasses may be an annual grass, they may require repeated application of A379.01 for partial or complete control.</p> <p>Irrigated Alfalfa and Peppermint and Spearmint Tops: Irrigation practices can be very critical to the successful use of A379.01 in established alfalfa and peppermint and spearmint tops and may be necessary to initiate active growth of the weeds prior to application. Generally applications 2 to 4 days after an irrigation are most effective. Irrigation made shortly after application (2 days) can be effective, but more consistent grass control occurs when the irrigation is made before the application.</p> <p>Aerial Application: When applying by air in established alfalfa and peppermint and spearmint tops, apply A379.01 in a minimum of 10 GPA.</p> <p>Annual Grass Control: Make application at the grass sizes indicated in the Directions for Annual Grass Table and rates indicated. If a grass has been cut, make application after active growth has resumed and regrowth has reached the minimum height and before it reaches the maximum height indicated. Make application before the alfalfa/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 A379.01 may vary from region to region. In addition, some annuals germinate over an extended period of time and because control of small grasses is desired, application after each weed flush may be required. As a general rule spray spring- and summer-germinating grasses as early in the season 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.</p> <p>Perennial Grass Control: A379.01 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 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.</p> <p>Use the high rate under heavy grass pressure and/or when grasses are at or near maximum height.</p>			

DIRECTIONS FOR ANNUAL BLUEGRASS CONTROL WITH A379.01			
GRASS SPECIES	WEED STAGE	RATE FL OZ/A (lb ai)	
Annual Bluegrass (<i>Poa annua</i>)	1 to 4-leaf	4* (0.094)	10.67** (0.250)
<p>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).</p> <p>Apply at weed stage indicated on the label, as reduced control can be expected with more mature annual bluegrass.</p> <p>Use the high rate under heavy grass pressure and/or when annual bluegrass is more mature.</p> <p>* Use a minimum of 6.67 fl oz (0.156 lb ai)/A to control annual bluegrass in seedling and established alfalfa and peppermint and spearmint tops.</p> <p>**See CROP SPECIFIC USE DIRECTIONS, for maximum application rates and restrictions.</p>			

DIRECTIONS FOR REDUCED RATE USE IN CANOLA, DRY SHELLLED BEAN & PEA (INCLUDING SOYBEAN), EDIBLE PODDED LEGUME VEGETABLES, FLAX, MUSTARD SEED, SUCCULENT BEAN & PEA AND SUGAR BEET

**DIRECTIONS FOR SMALL ANNUAL GRASSES
[[REDUCED RATE DIRECTIONS NOT FOR USE IN CALIFORNIA]]**

- Make application only to actively growing grasses and the specified weed heights.
- Make application 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 or high temperatures and/or under very low humidity.

ANNUAL GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT (inches)	RATE FL OZ/A
Barnyardgrass	<i>Echinochloa crus-galli</i>	1 to 4	2.66 (0.062)
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	1 to 4	3.33 (0.078)
Crabgrass			
Large	<i>Digitaria sanguinalis</i>	1 to 3*	2.66 (0.062)
Large	<i>Digitaria sanguinalis</i>	1 to 4*	3.33 (0.078)
Smooth	<i>Digitaria ischaemum</i>	1 to 3*	2.66 (0.062)
Smooth	<i>Digitaria ischaemum</i>	1 to 4*	3.33 (0.078)
Southern	<i>Digitaria ciliaris</i>	1 to 4*	3.33 (0.078)
Fall Panicum	<i>Panicum dichotomiflorum</i>	1 to 4	2.66 (0.062)
Foxtail			
Giant	<i>Setaria faberi</i>	1 to 4	2.66 (0.062)
Green	<i>Setaria viridis</i>	1 to 4	2.66 (0.062)
Millet	<i>Setaria italica</i>	1 to 4	3.33 (0.078)
Yellow	<i>Setaria glauca</i>	1 to 4	2.66 (0.062)
Seedling Johnsongrass	<i>Sorghum halepense</i>	1 to 6	3.33 (0.078)
Shattercane	<i>Sorghum bicolor</i>	4 to 10	2.66 (0.062)
Texas Panicum	<i>Panicum texanum</i>	1 to 4	3.33 (0.078)
Volunteer Cereals			
Barley	<i>Hordeum vulgare</i>	1 to 4	3.33 (0.078)
Oats	<i>Avena sativa</i>	1 to 4	3.33 (0.078)
Wheat	<i>Triticum aestivum</i>	1 to 4	3.33 (0.078)
Volunteer Corn	<i>Zea Mays</i>	4 to 12	2.66 (0.062)
Wild Proso Millet	<i>Panicum miliaceum</i>	1 to 6	2.66 (0.062)
Wild Oats	<i>Avena fatua</i>	1 to 4	3.33 (0.078)
*Length of lateral growth			

DIRECTIONS FOR PERENNIAL GRASSES

- Make application only to actively growing grasses at the listed weed heights. Make application when the first grass weed species in a mixed grass weed population reaches the listed growth stage for treatment.

PERENNIAL GRASS SPECIES ⁽¹⁾	WEED HEIGHT (inches)	RATE ⁽²⁾ FL OZ/A (lb ai)	
Bermudagrass (<i>Cynodon dactylon</i>)			
First Application	3 (or up to 6 runners)	5.33 (0.125)	10.67 (0.250)
Repeat Application(s) (if regrowth occurs)	3 (or up to 6 runners)	5.33 (0.125)	10.67 (0.250)
Fescue, Tall (<i>Festuca arundinacea</i>)			
First Application	4 to 8	5.33 (0.125)	10.67 (0.250)
Repeat Application(s) if regrowth occurs	4 to 8	5.33 (0.125)	10.67 (0.250)
Foxtail Barley (<i>Hordeum jubatum</i>)			
First Application	2 to 6	5.33 (0.125)	10.67 (0.250)
Repeat Application(s) (if regrowth occurs)	2 to 6	5.33 (0.125)	10.67 (0.250)
Orchardgrass (<i>Dactylis glomerata</i>)			
First Application	4 to 8	5.33 (0.125)	10.67 (0.250)
Repeat Application(s) (if regrowth occurs)	4 to 8	5.33 (0.125)	10.67 (0.250)
Quackgrass (<i>Elytrigia repens</i>)			
First Application	4 to 12	5.33 (0.125)	10.67 (0.250)
Repeat Application(s) (if regrowth occurs)	4 to 12	5.33 (0.125)	10.67 (0.250)
Rhizome Johnsongrass (<i>Sorghum halepense</i>)			
First Application	12 to 24	5.33 (0.125)	10.67 (0.250)
Repeat Application(s) (if regrowth occurs)	6 to 18	4 (0.094)	5.33 (0.125)
Wirestem Muhly (<i>Muhlenbergia frondosa</i>)			
First Application	4 to 8	5.33 (0.125)	10.67 (0.250)
Repeat Application(s) (if regrowth occurs)	4 to 8	5.33 (0.125)	10.67 (0.250)
Perennial Bluegrass			
Roughstalk (<i>Poa trivialis</i>)			
Kentucky (<i>Poa prantensis</i>)			
First Application	2 to 4	5.33 (0.125)	10.67 (0.250)
Repeat Application(s) (if regrowth occurs)	2 to 4	5.33 (0.125)	10.67 (0.250)
Bentgrass (<i>Agrostis</i> spp.)			
First Application	2 to 4	—	10.67 (0.250)
Repeat Application(s) (if regrowth occurs)	2 to 4	—	10.67 (0.250)
¹ Control of perennial grasses including quackgrass, perennial bluegrass and bentgrass with this product may be enhanced by adding AMS. ² Use the higher rate under heavy grass pressure and/or when grasses are at maximum height. Follow the use rate restrictions in that A379.01 USE RATES/RESTRICTIONS/LIMITATIONS table			

before applying higher rates.

TANK MIXES INFORMATION

The labels for each of the herbicides specified for tank mixing with **A379.01** are unique to the characteristics of those products and contain restrictions and limitations that may be more restrictive than **A379.01** in certain considerations. Those concerns may include, but are not limited to:

- Geographic restrictions—all products are not registered for use in all areas and rates may vary from one region of labeled use to another
- Crop rotation restrictions may differ
- Applicator certification requirements
- Worker safety rules, i.e., personal protective equipment (PPE), reentry time, posting
- Soil characteristics or soil type, e. g. pH, OM
- Number of applications and or maximum dosage per year
- Rain free period required—or
- Application timing, e. g. pre-harvest interval
- Total season rates not to be exceeded.

ALWAYS FOLLOW THE MOST RESTRICTIVE LABELING OF ANY PRODUCT USED IN A TANK MIX.

DIRECTIONS FOR TANK MIX APPLICATION OF A379.01 AND BROADLEAF HERBICIDES FOR CONTROL OF GRASSES AND BROADLEAF WEEDS

- Make application only to actively growing grass and broadleaf weeds at listed height or growth stage listed on each label.
- Make application when the first grass or broadleaf weed species in a mixed population reaches the listed height or growth stage for treatment.
- Make application under favorable soil moisture and humidity that exist a few days after rainfall or within seven (7) days after irrigation.
- Always add the appropriate adjuvant to the spray mix at the rate directions for each specific tank mix combination.
- Tank mix application can 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, apply a second application of **A379.01** as specified in the respective size and rate tables.
- **DO NOT** tank mix **A379.01** when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.

Commercial Products

Name	Active Ingredient	EPA Reg No.
PURSUIT® DG	Imazethapyr	241-350
PURSUIT	Imazethapyr, ammonium salt,	241-310
RAPTOR®	Imazamox	241-379
BUCTRIL® 2L	Bromoxynil octanoate	264- 437
Ignite® 280 SL Herbicide	Glufosinate	7969-448
COBRA	Lactofen	59639-34
MSMA	MSMA and salts	19713-42
BASAGRAN®	Sodium bentazon	66330-413
BRONATE ADVANCED™	bromoxynil octanoate + bromoxynil hepanoate + MCPA, 2-ethylhexyl ester	264-690
Bromoxynil + MCPA	Bromoxynil octanoate + MCPA, 2-ethylhexyl ester	6622-120
Curtail® M	Clopyralid + MCPA	62719-86
FIRSTRATE®	Cloransulam-methyl	5481-676
FLEXSTAR® HL	Aminopyralid-tripromine + 2,4-D	62719-630

FRONTROW™	cloransulam-methyl	62719-299
HARMONY® GT	Thifensulfuron	279-9577
PHOENIX™	lactofen	59639-118
RESOURCE®	flumiclorac	59639-82
SYNCHRONY XP	Chlorimuron + Thifensulfuron	352-648
STORM®	sodium salt of bentazon + sodium salt of acifluorfen	70506-59
ULTRA BLAZER®	sodium salt of acifluorfen	70506-60
STINGER	Clopyralid, monoethanolamine salt	62719-73
EMINENT®	Tetraconazole	80289-18
HEADLINE®	Pyraclostrobin	7969-186
GEM®	trifloxystrobin	264-781
BANVEL	Dicamba	66330-276

ANTAGONISM INFORMATION

Tank mixes of **A379.01** with postemergence broadleaf herbicides have shown some reduction or failure to control certain grass species, which would have otherwise been controlled by **A379.01** alone. Activity of the postemergence broadleaf herbicide in the tank mix is not affected.

ALFALFA		
A379.01 TANK MIXES WITH BROADLEAF HERBICIDES FOR ALFALFA		
(See crop specific tables for application directions)		
TANK MIX PRODUCT^{1, 2}	A379.01 APPLICATION RATES/A	
	ANNUAL GRASSES	PERENNIAL GRASSES
GLYPHOSATE (for use on Roundup Ready Alfalfa only) 2,4-DB ³	6.67–10.67 fl oz (0.156 – 0.250 lb ai)	6.67–10.67 fl oz (0.156 – 0.250 lb ai)
PURSUIT® DG ⁴ or PURSUIT ⁴		
RAPTOR®		
BUCTRIL® 2L ^{5, 6}		
<p>¹ If grass regrowth occurs or an additional flush of new grass emerges, apply a second application of A379.01 alone—without a tank mix herbicide, according to the appropriate size and rate directions.</p> <p>² Follow the label of the broadleaf tank mix partner for specified rates and adjuvant use.</p> <p>³ A379.01 plus 2,4-DB may increase the severity of crop injury when tank mixed. Alfalfa will generally outgrow this temporary crop injury within a few weeks. DO NOT apply A379.01 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.</p> <p>⁴ Before using this tank mix, read and understand the PURSUIT or PURSUIT DG labels for geographical restrictions and restrictions regarding alfalfa growth stage and type. Failure to do so can result in crop injury to alfalfa. DO NOT feed, graze or harvest alfalfa for 30 days following an application of PURSUIT to alfalfa.</p> <p>⁵ States of Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming and the western halves of Kansas, Nebraska, North Dakota, South Dakota: The tank mix of A379.01 plus BUCTRIL must be applied in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 2 trifoliolate . Unacceptable crop injury can occur to alfalfa seedlings less than the 2 trifoliolate leaf stage. BUCTRIL plus A379.01 applications made when temperatures are expected to exceed 80°F and 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 trifoliolate leaves. Unacceptable crop injury may occur to alfalfa in the 2 trifoliolate or smaller stage growth, when alfalfa stand is uneven and conditions favor leaf burn. When applications of A379.01 plus BUCTRIL are made when temperatures are expected to exceed 70°F and three days following such application can result in unacceptable crop injury. Crop leaf burn can occur following A379.01 plus BUCTRIL applications. Warm, humid conditions may enhance leaf burn. However, new crop</p>		

growth will not be affected.

⁶ **DO NOT** make application when alfalfa is under moisture, temperature, insect or disease stress or has been stressed by other pesticide carryover or application.

CANOLA

REDUCED RATE A379.01 TANK MIXES WITH BROADLEAF HERBICIDES

(See crop specific tables for application directions)

TANK MIX PRODUCT ¹	A379.01 APPLICATION RATES/A	
	ANNUAL GRASSES ⁴	PERENNIAL GRASSES
Ignite® 280 SL Herbicide ³	2.66–4 fl oz (0.062 – 0.094 lb ai)	NA

¹ Follow the label of the broadleaf tank mix partner for specified rates and adjuvant use.

² **DO NOT** apply **A379.01** tank mix during or after bolting or flowering or crop injury could occur.

³ For use only on LibertyLink® canola.

⁴ Annual grasses and sizes controlled with these tank mixtures are those that are identified in the DIRECTIONS FOR REDUCED RATE USE IN DRY BEAN, CANOLA, FLAX, MUSTARD SEED, SOYBEAN AND SUGAR BEET FOR SMALL ANNUAL GRASSES table.

COTTON

A379.01 TANK MIXED WITH COBRA® AND MSMA APPLIED POST DIRECTED

TANK MIX PRODUCT ¹	A379.01 APPLICATION RATES/A ²		COMMENTS
	ANNUAL GRASSES ³	PERENNIAL GRASSES ³	
COBRA + MSMA (4 .0 lbs/gal) or MSMA (6.6 lbs/gal)	4–5.33 fl oz (0.094 – 0.125 lb ai)	5.33–10.67 fl oz (0.125 – 0.250 lb ai)	Reduce broadcast rate in proportion to the band area actually treated.

¹ Follow the label of the broadleaf tank mix partner for specified rates and adjuvant use.

² If grass regrowth occurs or an additional flush of new grass emerges, apply a second application of **A379.01** alone—without a tank mix herbicide—according to the appropriate size and rate directions.

³ 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 can result and a second non-post directed application of **A379.01** may be necessary.

COTTON

A379.01 TANK MIXED WITH GLYPHOSATE TO CONTROL EMERGED GRASSES IN ROUNDUP READY® COTTON AS A BROADCAST APPLICATION

TANK MIX PRODUCT ¹	A379.01 APPLICATION RATES/A	
	ANNUAL GRASSES	PERENNIAL GRASSES
GLYPHOSATE	4–5.33 fl oz (0.094 – 0.125 lb ai)	5.33–10.67 fl oz 0.125 – 0.250 lb ai)

¹ Follow the label of the tank mix partner for specified rates and adjuvant use.

COTTON

A379.01 TANK MIX- WITH IGNITE 280 SL HERBICIDE FOR THE CONTROL OF GRASSES AND VOLUNTEER CORN IN LIBERTYLINK COTTON

TANK MIX PRODUCT ¹	A379.01 APPLICATION RATES/A	CORN HEIGHT (inches)
IGNITE 280 SL (for use on LIBERTYLINK Cotton only)	2.67 fl oz (0.063 lb ai)	Up to 12 inches

	4 fl oz (0.094 lb ai)	Up to 24 inches
	5.33 fl oz (0.125 lb ai)	Up to 36 inches
¹ Follow the label of the tank mix partner for specified rates and adjuvant use.		

DRY SHELLED BEANS A379.01 TANK MIXES WITH BROADLEAF HERBICIDES (See crop specific tables for application directions)		
TANK MIX PRODUCT ²	A379.01 APPLICATION RATES/A ¹	
	ANNUAL GRASSES	PERENNIAL GRASSES
BASAGRAN®	5.33–6.67 fl oz	6.67–10.67 fl oz
RAPTOR	(0.125 – 0.156 lb ai)	(0.156 – 0.250 lb ai)
¹ If grass regrowth occurs or an additional flush of new grass emerges, make a second application of A379.01 alone—without a tank mix herbicide—according to the appropriate size and rate directions.		
² Follow the label of the tank mix partner for specified rates and adjuvant use.		

DRY SHELLED PEAS A379.01 TANK MIXES WITH BROADLEAF HERBICIDES (See crop specific tables for application directions)		
TANK MIX PRODUCT ²	A379.01 APPLICATION RATES/A ¹	
	ANNUAL GRASSES ³	PERENNIAL GRASSES
BASAGRAN	4–5.33 fl oz	NA
RAPTOR	(0.094 – 0.125 lb ai)	
¹ Apply prior to bloom.		
² Follow the label of the tank mix partner for specified rates and adjuvant use.		
³ Grass regrowth or incomplete control may occur with these tank mixes. Make applications to small grasses and if regrowth occurs retreat with another graminicide.		

FLAX REDUCED RATE A379.01 TANK MIXES WITH BROADLEAF HERBICIDES (See crop specific tables for application directions)		
TANK MIX PRODUCT ^{1,2,3}	A379.01 APPLICATION RATES/A	
	ANNUAL GRASSES ⁴	PERENNIAL GRASSES
BRONATE ADVANCED™	2.67–3.33 fl oz (0.063 – 0.078 lb ai)	NA
Bromoxynil + MCPA		
BUCTRIL		
Curtail® M		
MCPA		
¹ Follow the label of the tank mix partner for specified rates and adjuvant use.		
² DO NOT apply during or after the bud stage or to ornamental flax as crop injury can occur		
³ DO NOT apply tank mixes when temperatures are expected to exceed 85°F at or for 3 days following application as crop injury can occur.		
⁴ Annual grasses and sizes controlled with these tank mixtures are those that are identified in the DIRECTIONS FOR REDUCED RATE USE IN DRY BEAN, CANOLA, FLAX, MUSTARD SEED, SOYBEAN AND SUGAR BEET FOR SMALL ANNUAL GRASSES table.		

SOYBEAN BURNDOWN A379.01 TANK MIX WITH 2,4-D ESTER IN A BURNDOWN APPLICATION IN NO-TILL SOYBEAN FOR CONTROL OF ANNUAL GRASSES.		
TANK MIX PRODUCT ¹	A379.01 APPLICATION RATE/A	ANNUAL GRASS HEIGHT ^{2,3} (inches)

2,4-D ester	2.67 fl oz (0.063 lb ai)	1–3 Inch foxtail
	4 fl oz (0.094 lb ai)	1–4 Inch foxtail
	5.33 fl oz (0.125 lb ai)	Follow grass chart for heights

¹ Follow the 2,4-D ester label for specified rates and drift control measures required.
² Always use Crop Oil Concentrate at 1 qt/A and nitrogen fertilizer for best control of burndown grasses.
³ Additional products can be tank mixed with **A379.01** + 2,4-D Ester for residual control. These include: Valor®, Canopy® XL, metolachlor, Prowl® and metribuzen.

SOYBEAN A379.01 TANK MIX- WITH GLYPHOSATE FOR THE CONTROL OF VOLUNTEER CORN (INCLUDING ROUNDUP READY) IN SOYBEAN		
TANK MIX PRODUCT^{1,2}	A379.01 APPLICATION RATE/A	CORN HEIGHT (inches)
GLYPHOSATE (for use on Roundup Ready Soybean only)	2.67 fl oz (0.063 lb ai)	Up to 12 inches
	4 fl oz (0.094 lb ai)	Up to 24 inches
	5.33 fl oz (0.125 lb ai)	Up to 36 inches

¹ For adjuvant loaded glyphosate formulations add 0 .25% v/v of additional non-ionic surfactant. For unloaded glyphosate formulations add 1% v/v Crop Oil Concentrate.
² This tank mix may be applied postemergence to Roundup Ready soybeans up through full flowering stage. **DO NOT** apply less than 60 days before harvest.

SOYBEAN A379.01 TANK MIX- WITH IGNITE 280 SL HERBICIDE FOR THE CONTROL OF GRASSES AND VOLUNTEER CORN IN SOYBEAN		
TANK MIX PRODUCT¹	A379.01 APPLICATION RATE/A	CORN HEIGHT (inches)
IGNITE 280 SL (for use on LIBERTYLINK Soybean only)	2.67 fl oz (0.063 lb ai)	Up to 12 inches
	4 fl oz (0.094 lb ai)	Up to 24 inches
	5.33 fl oz (0.125 lb ai)	Up to 36 inches

¹ Follow the label of the tank mix partner for specified rates and adjuvant use.

SOYBEAN A379.01 TANK MIXES WITH BROADLEAF HERBICIDES (See crop specific tables for application directions)	
TANK MIX PRODUCT^{2,3,4}	A379.01 APPLICATION RATE FOR ANNUAL GRASS CONTROL^{1,5}
COBRA	4–5.33 fl oz/A (0.094 – 0.125 lb ai)
FIRSTRATE®	
FLEXSTAR® HL	
FRONTROW™	
HARMONY® GT	
PHOENIX™	
RESOURCE®	
BASAGRAN	

PURSUIT	5.33–6.67 fl oz/A (0.125 – 0.156 lb ai)
RAPTOR	
SYNCHRONY® STS® or SYNCHRONY XP (mp) (STS soybeans only)	

¹ If grass regrowth occurs or an additional flush of new grass emerges, make a second application of **A379.01** alone—without a tank mix herbicide—according to the appropriate size and rate directions.

² Follow the label of the tank mix partner for specified rates and adjuvant use.

³ AMS can be added to all tank mix partners for improved grass control.

⁴ Refer to the label of the tank mix partner for geographic and rotational restrictions.

⁵ Annual grasses and sizes controlled with these tank mixtures are those that are identified in the **DIRECTIONS FOR REDUCED RATE USE IN DRY BEAN, CANOLA, FLAX, MUSTARD SEED, SOYBEAN AND SUGAR BEET FOR SMALL ANNUAL GRASSES** table.

PEANUT A379.01 TANK MIXES WITH BROADLEAF HERBICIDES (See crop specific tables for application directions)		
TANK MIX PRODUCT ²	A379.01 APPLICATION RATES/A ¹	
	ANNUAL GRASSES	PERENNIAL GRASSES
BASAGRAN	5.33–6.67 fl oz (0.125 – 0.156 lb ai)	NA
STORM®		
ULTRA BLAZER®		

¹ Make a second application of **A379.01** alone—without a tank mix herbicide—according to the appropriate size and rate directions, if grass regrowth occurs or an additional flush of new grass emerges.

² Follow the label of the tank mix partner for specified rates and adjuvant use.

PEANUT DIRECTIONS FOR GRASS SUPPRESSION FOR HARVEST EFFICIENCY WITH A379.01			
GRASS SPECIES	WEED STAGE	RATE FL OZ/A (lb ai)	
Annual and perennial grasses that exceed height claimed for control on height charts, DIRECTIONS FOR ANNUAL GRASSES & DIRECTIONS FOR PERENNIAL GRASSES	Up to and including grasses in the seed head stage	10.67 (0.250)	21.33 (0.5)

DO NOT apply as part of a tank mix when applying **A379.01** for grass suppression.

SUGAR BEET A379.01 TANK MIXED WITH STINGER® HERBICIDE OR FUNGICIDES (See crop specific tables for application directions)		
TANK MIX PRODUCT ²	A379.01 APPLICATION RATES/A ¹	
	ANNUAL GRASSES ³	PERENNIAL GRASSES
STINGER	4–5.33 fl oz (0.094 - 0.125 lb ai)	5.33–10.67 fl oz (0.125 – 0.156 lb ai)
GLYPHOSATE (for use on Roundup Ready Sugarbeet only)		
EMINENT®		
HEADLINE®		
GEM®		

¹ Make a second application of **A379.01** alone—without a tank mix herbicide—according to the appropriate size and rate directions, if grass regrowth occurs or an additional flush of new grass emerges.

² Follow the label of the tank mix partner for specified rates and adjuvant use.

³ Annual grasses and sizes controlled with these tank mixtures are those that are identified in the ***DIRECTIONS FOR REDUCED RATE USE IN DRY BEAN, CANOLA, FLAX, MUSTARD SEED, SOYBEAN AND SUGAR BEET FOR SMALL ANNUAL GRASSES*** table.

TANK MIX APPLICATION OF A379.01 AND INSECTICIDES FOR CONTROL OF GRASS WEEDS AND INSECTS.

A379.01 can be tank mixed with insecticides that are registered for use in each specific crop. Certain insecticides can cause temporary phytotoxic symptoms on alfalfa and peppermint and spearmint tops foliage. For further information on tank mixing with an insecticide, refer to the insecticide product label. Prior to using any of these insecticide/herbicide tank mixtures, it is advised to treat a small area of the field and observed for crop injury before treating the entire field with the tank mixture.

Follow the label of the tank mix partner for specified rates and adjuvant use.

FALLOW LAND

DIRECTIONS FOR USE

A379.01 can be used to control annual and perennial grasses in land that has been left fallow the previous year and on other non-producing agricultural areas. Make application at 4–5.33 fl oz/A for annual grasses and 10.67–21.33 fl oz/A for perennial grasses. **A379.01** can be tanked mixed with 2,4-D ester or BANVEL® for broad spectrum control when both grass and broadleaf weeds are the target pest. Apply a minimum of 10.67 fl oz/A **A379.01** when both annual and perennial grasses occur in the same field.

INFORMATION

Use a minimum spray volume of 5 gal/A for aerial applications and 15 gal/A for ground applications. Make applications only to actively growing grasses when the first grass reaches the specified weed height as specified by the ***Directions for Annual and Perennial Grasses*** section of this label.

DO NOT apply to drought stressed grasses.

DO NOT apply to grasses that have tillered, formed seed-heads or exceeded specified growth stage.

DO NOT plant any crop for 30 days after application unless **A379.01** is registered for use on that crop.

Annual grasses that emerge after the **A379.01** application will not be controlled and a second application could be necessary.

DO NOT mow area for two (2) weeks prior to or after the **A379.01** application.

Control of perennial grasses may require more than one (1) application in non-tilled areas.

A379.01 IN TANK MIXES TO CONTROL ANNUAL AND PERENNIAL GRASSES IN FALLOW LAND		
TANK MIX PRODUCT	A379.01 APPLICATION RATES/A^{1,2}	
	ANNUAL GRASSES	PERENNIAL GRASSES
2,4-D ester or BANVEL	4–5.33 fl oz (0.094 – 0.125 lb ai)	10.67–21.33 fl oz (0.125 – 0.250 lb ai)
¹ See the BANVEL and 2,4-D ester labels for use rates, weeds controlled and crop rotation restrictions.		
² Always use a crop oil concentrate at 1% v/v .		

A379.01 TO CONTROL EXISTING STANDS OF FIELD CORN AND VOLUNTEER FIELD CORN (BURNDOWN)			
Time from Application to Reseeding corn	Use Rate per Acre	Adjuvant Directions	Special Use Instructions and Restrictions
6 days	2 fl oz (0.047 lb ai)	COC at 1% v/v plus AMS at 2.5 to 4.0 lb/A	Weed Size—up to 12 inches. DO NOT make more than 1 application per year. DO NOT apply more than 2 fl oz (0.047 lb ai)/A per year. Care must be taken to avoid in-field boom (spray) overlaps or excessive crop injury may occur.

			90 day Pre-Harvest Interval
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DIRECTIONS FOR GRASS SUPPRESSION IN NON-CROP AREAS WITH A379.01			
GRASS SPECIES	WEED STAGE	RATE FL OZ/A (lb ai)	
Annual and perennial grasses that exceed height claimed for control on height chart	Up to and including grasses in the seed head stage	8 (0.188)	21.33 (0.5)
DO NOT apply as part of a tank mix when applying A379.01 for grass suppression.			

A379.01 FOR THE CONTROL AND/OR SUPPRESSION OF TALL FESCUE IN NATIVE PRAIRIE WARM-SEASON GRASS RESTORATION PROJECTS				
PRODUCT	PRODUCT RATES	GRASS WEEDS CONTROLLED/SUPPRESSED		WEED STAGES
		Common Name	Scientific Name	
A379.01	6.67–8 fl oz/ (0.156 – 0.188 lb ai)	Tall Fescue	<i>Festuca arundinacea</i>	4 to 6 inches tall (40–60% green-up)
ADJUVANT: A379.01 must be applied with crop oil concentrate at 1 qt/A and a spray grade ammonium sulfate (AMS) at 2.5–4 lb/A or 8.5–17.0 lb/100 gallons of spray solution. Specified Mixing Order: Thoroughly mix spray grade ammonium sulfate in water, then add A379.01 .				

SPECIAL APPLICATION INSTRUCTIONS

- Burn or mow fields a minimum of 3 weeks prior to application to remove excess crop residue.
- Make application in the spring at 40–60% tall fescue green-up, prior to emergence of warm-season grasses.
- Make application in a minimum of 15–20 gallons water per acre.
- Make application only to fields that have warm season grasses established for two (2) years.

PRECAUTIONS

- Application of **A379.01** to emerged warm-season grasses may cause injury.

RESTRICTIONS

- **DO NOT** mow area for two (2) weeks after the **A379.01** application.
- **DO NOT** make applications 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 on that crop.

A379.01 FOR THE SUPPRESSION OF TALL FESCUE SEED-HEADS IN NON-PRODUCING AGRICULTURAL AREAS				
PRODUCT	PRODUCT RATE	GRASS WEEDS CONTROLLED/SUPPRESSED		APPLICATION TIMING
		Common Name	Scientific Name	
A379.01	1–1.33 fl oz/A (0.023 – 0.031 lb ai)	Tall Fescue Seed-Heads	<i>Festuca arundinacea</i>	(50 to 90% Tall Fescue green-up)
ADJUVANT: A379.01 must be applied with crop oil concentrate at 1 qt/A and a spray grade ammonium sulfate (AMS) at 2.5–4 lb/A or 8.5–17.0 lb/100 gallons of spray solution.				

Specified Mixing Order: Thoroughly mix spray grade ammonium sulfate in water, then add **A379.01**.

SPECIAL APPLICATION INSTRUCTIONS

- Make application at 50–90% tall fescue green-up.
- If less tall fescue green matter is present, use the higher **A379.01** rate.
- Make application in a minimum of 15–20 gallons water per acre at a spray pressure of 40–60 PSI at the nozzle. Make application using flat fan or hollow cone nozzles. **DO NOT** use flood nozzles.

PRECAUTIONS

- 2,4-D ester, Tordon® 22K, Grazon®, P+D or Crossbow® may be added to this tank mix for broadleaf control (see the tank mix label for use rates, and for weeds controlled.)

RESTRICTIONS

- **DO NOT** mow area for two (2) weeks after the **A379.01** 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 on that crop.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

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

CONTAINER HANDLING:

[For plastic containers ≤ 5 gallons: Nonrefillable Container: DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.]

[For plastic containers > 5 gallons: Nonrefillable container. DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.]

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

[A379.01] is a trademark of Atticus, LLC

Banvel® is a registered trademark of Arysta Lifescience North America LLC.

Basagran, Ignite, Headline®, Pursuit®, and Raptor are registered trademarks of BASF.

Bronate Advanced, Buctril and Gem® are registered trademarks of Bayer Cropscience LP.

Cobra, Phoenix™, and Resource are registered trademarks of Valent U.S.A. LLC.

Crossbow®, Curtail®, Frontrow, Stinger® Herbicide and Tordon® are registered trademarks of Dow Agrosiences LLC.

Eminent® is a registered trademark of Gowan Company.

Firstrate® is a registered trademark of Amvac Chemical Corporation.

Grazon® is a registered trademark of Corteva Agriscience.

Harmony® is a registered trademark of FMC Corporation.

Synchrony® are registered trademarks of E. I. Du Pont De Nemours and Company.

Storm® and Ultra Blazer® are registered trademarks of UPL NA, Inc.

Commercial Products:

PURSUIT® DG (Imazethapyr, EPA Reg No. 241-350)
PURSUIT (Imazethapyr, ammonium salt, EPA Reg No. 241-310)
RAPTOR® (Imazamox, EPA Reg No. 241-379)
BUCTRIL® 2L (Bromoxynil octanoate, EPA Reg No. 264- 437)
Ignite® 280 SL Herbicide (Glufosinate, EPA Reg No. 7969-448)
COBRA (Lactofen, EPA Reg No. 59639-34)
MSMA (MSMA and salts, EPA Reg No. 19713-42)
BASAGRAN® (Sodium bentazon, EPA Reg No. 66330-413)
BRONATE ADVANCED™ (bromoxynil octanoate + bromoxynil hepanoate + MCPA, 2-ethylhexyl ester, EPA Reg No. 264-690)
Bromoxynil + MCPA (Bromoxynil octanoate + MCPA, 2-ethylhexyl ester ,EPA Reg No. 6622-120)
Curtail® M (Clopyralid + MCPA, EPA Reg No. 62719-86)
FIRSTRATE® (Cloransulam-methyl, EPA Reg No. 5481-676)
FLEXSTAR® HL (Aminopyralid-tripromine + 2,4-D, EPA Reg No. 62719-630)
FRONTROW™ (cloransulam-methyl, EPA Reg No. 62719-299)
HARMONY® GT (Thifensulfuron, EPA Reg No. 279-9577)
PHOENIX™ (lactofen, EPA Reg No. 59639-118)
RESOURCE® (flumiclorac. EPA Reg No. 59539-82)
SYNCHRONY XP (Chlorimuron + Thifensulfuron, 352-648)
STORM® (sodium salt of bentazon + sodium salt of acifluorfen, EPA Reg No. 70506-59)
ULTRA BLAZER® (sodium salt of acifluorfen, EPA Reg No. 70506-60)
STINGER (Clopyralid, monoethanolamine salt, EPA Reg No. 62719-73)
EMINENT® (Tetraconazole, EPA Reg No. 80289-18)
HEADLINE® (Pyraclostrobin, EPA Reg No. 7969-186)
GEM® (trifloxystrobin, EPA Reg No. 264-781)
BANVEL (Dicamba, EPA Reg No. 66330-276)

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

CLETHODIM	GROUP	1	HERBICIDE
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A379.01^[TM]

[Alternate Brand Name: Ceridian 3 EC]

ACTIVE INGREDIENT: (E)-2[1-[[3-chloro-2-propenyl]oxy]limino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one36.7%
OTHER INGREDIENTS:.....63.3%
TOTAL 100.0%
 Contains petroleum distillates.
 Contains 3.0 lb clethodim per gallon.

**KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCION**

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

FIRST AID	
If swallowed:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor. • DO NOT induce vomiting unless told to do so by the poison control center or doctor. • DO NOT give any liquid to the person. • DO NOT give anything by mouth to an unconscious person.
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15–20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15–20 minutes. • Call a poison control center or doctor for further treatment advice.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Contains petroleum distillates. Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid, which can cause aspiration pneumonitis.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at **1-844-685-9173** for emergency medical treatment information. For medical emergencies, call the poison control center at 1-800-222-1222.

For general information on this product, call 984-465-4800, or contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>.

For Chemical Emergency:

Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid contact with eyes or clothing. Wear protective eyewear, long-sleeved shirt and long pants, socks, shoes and chemical resistant gloves including Barrier Lamine, Butyl Rubber, Nitrile Rubber, Viton, Selection Category F, G.

ENVIRONMENTAL HAZARDS: DO NOT apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** 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.

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

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.
PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.
PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used must be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
CONTAINER HANDLING:
[For plastic containers ≤ 5 gallons: Nonrefillable Container: DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.]
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heat or open flame. **DO NOT** mix or allow coming in contact with oxidizing agent. Hazardous Chemical reaction may occur. See inside label booklet for additional Precautionary Statements and Directions for Use.

Manufactured for:
Atticus, LLC
 5000 CentreGreen Way, Suite 100
 Cary, NC 27513

EPA Reg. No.: 91234-XX
EPA Est. No.: _____
NET CONTENTS: _____