

13mm 135cm 13mm

6.5mm



Tide USA Clethodim 2EC

CLETHODIM GROUP 1 HERBICIDE

ACTIVE INGREDIENT:

Clethodim: (E)-2-[1-[[[3-chloro-2-propenyl]oxy]imino]propyl]-5-

[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one 26.4%

OTHER INGREDIENTS: 73.6%

TOTAL: 100.0%

By Wt.

Contains petroleum distillates.
Contains 2.0 lbs. clethodim per gallon.

KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

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 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 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 a poison control center or doctor. DO NOT give any liquid to the person. DO NOT give anything by mouth to an unconscious person.
If inhaled:	<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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. **FOR MEDICAL Emergencies call CHEMTREC at telephone no. 1-800-424-9300. For PRODUCT USE Information call telephone no. 1-949-679-3535.**

NOTE TO PHYSICIAN

Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid, which can cause pneumonia. If ingested, probable mucosal damage may contraindicate the use of gastric lavage.

See inside label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

EPA Reg. No.: 84229-33
Batch No.: See Container

EPA Est. No.: ☐ 69845-CHN-002
☐ 83411-MN-001
☐ 82375-FRA-1
☐ 93400-HUN-1
☐ 94548-ITA-1

NET CONTENTS: ☐ 1 Gallon
☐ 2.5 Gallons
☐ 55 Gallons
☐ 265 Gallons

Manufactured for:
Tide International USA, Inc.
21 Hubble, Irvine, CA 92618



PEEL BACK BOOK HERE AND RESEAL AFTER OPENING

PROOF

Proof date: 11/23/2022
Customer: Tide USA
Job number: TIC-FUN8422933
Label size: 161x 185mm
Label flat size: 306x 185mm
Label folded size: 161x 185mm
Label colors: PANTONE Process Black C,
PANTONE Green C
Leaflet "in" colors: Black
Leaflet "out" colors: PANTONE Process Black C,
White
PANTONE Green C

172mm

6.5mm

13mm

135cm

13mm

6.5mm

6.5mm

172mm

6.5mm

6.5mm

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EPA Reg. No.: 84229-33
Batch No.: See Container

EPA Est. No.: 69845-CHN-002
 83411-MN-001
 82978-FRA-1
 93400-HUN-1
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NET CONTENTS: 1 Gallon
 2.5 Gallons
 55 Gallons
 265 Gallons

Manufactured for:
Tide International USA, Inc.
21 Hubble, Irvine, CA 92618

PEEL BACK HERE AND RESEAL AFTER OPENING

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING/AVISO**

Causes substantial but temporary eye irritation. Avoid contact with skin. **DO NOT** get in eyes, on skin, or on clothing. Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate or viton \geq 14 mils
- Shoes plus socks
- Protective eyewear (goggles, face shield, or safety glasses)

USER SAFETY REQUIREMENTS

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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- 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.

NON-TARGET ORGANISM ADVISORY STATEMENT

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

PHYSICAL OR CHEMICAL HAZARDS

Flammable. Keep away from heat or open flame.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL BEFORE USE. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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

AGRICULTURAL USE REQUIREMENTS

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

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

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

- Coveralls
- Chemical-resistant gloves such as barrier laminate or viton \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, forests, nurseries, or greenhouses.

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

RESTRICTIONS

- Application on Long Island, New York is restricted to no more than 16 fl. oz. of Tide USA Clethodim 2EC (0.25 lb ai) per acre per year.
- **DO NOT** apply if rain is expected within 1 hour of application as control may be unsatisfactory.
- **DO NOT** apply a post emergence broadleaf herbicide within one day following application of Tide USA Clethodim 2EC or reduced grass control may result.
- **DO NOT** apply under conditions of stress. Applying Tide USA Clethodim 2EC under conditions that **DO NOT** promote active grass growth will reduce herbicide effectiveness. These conditions include drought, excessive water, extremes in temperature, low humidity and grasses either partially controlled or stunted from prior pesticide applications. Grasses under these stressful conditions will not absorb and translocate Tide USA Clethodim 2EC effectively, and will be less susceptible to herbicide activity.
- **DO NOT** allow Tide USA Clethodim 2EC to come into contact with desirable grass crops including corn, rice, sorghum, small grains, or turf, as these and other grass crops will be injured or killed. Minor leaf spotting may occur on treated plants under certain environmental conditions. New foliage is not affected.
- Aerial applications for all tree fruits and tree nuts uses are prohibited.

ROTATIONAL RESTRICTIONS

DO NOT plant rotational crops until 30 days after application of Tide USA Clethodim 2EC unless the crop is listed on the Tide USA Clethodim 2EC label.

PRECAUTIONS

- Grass crops including corn, rice, sorghum, small grains, or turf, etc. are highly sensitive to Tide USA Clethodim 2EC.
- Tide USA Clethodim 2EC may be used on vegetable crops being grown for seed production unless specific use directions are provided.
- Tide USA Clethodim 2EC is a selective postemergence herbicide for control of annual and perennial grasses.
- Tide USA Clethodim 2EC does not control sedges or broadleaf weeds.
- Optimal perennial grass control can be obtained if rhizomes or stolons are cut up by preplant tillage practices (discing, plowing, etc.) to stimulate maximum emergence of grass shoots. Cultural practices, including continuous no-tillage in which the perennial grass rhizomes or stolons are not cut up, result in a very staggered, non-uniform weed emergence. Due to this non-uniform weed emergence, make no fewer than two (2) Tide USA Clethodim 2EC applications per year at the appropriate weed-growth stage rate under continuous no-fill conditions.
- While all the vegetable crops on this label have been tested and are resistant to Tide USA Clethodim 2EC, not all specialty varieties of these crops have been tested. It is advised that before applying Tide USA Clethodim 2EC to specialty varieties of vegetable crops on this label, 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.
- It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.
- Tank mixes of Tide USA Clethodim 2EC and broadleaf herbicides may result in reduced grass control. If grass regrowth occurs, an additional application of Tide USA Clethodim 2EC may be necessary. **AVOID SPRAY DRIFT.**
- Repeated use of Tide USA Clethodim 2EC (or similar postemergence grass herbicides with the same mode of action) may lead to the selection of naturally occurring biotypes that are resistant to these products in some grass species.
- If poor performance occurs and cannot be attributed to adverse weather or application conditions, a resistant biotype may be present. This is most likely to occur in fields where other control strategies including crop rotation, mechanical removal, and other classes of herbicides are not used from year to year.

APPLICATION INFORMATION

Timing of Applications

Apply Tide USA Clethodim 2EC postemergence to actively growing grasses, according to prescribed rates in the table. Applications made to grass plants stressed by insufficient moisture, or hot or cold temperatures, or to grass plants exceeding listed growth stages may result in unsatisfactory control. **DO NOT** apply under these conditions.

In arid regions where irrigation is used to supplement limited rainfall, apply Tide USA Clethodim 2EC as soon as possible, after irrigation (within 7 days). In arid regions, a second application of Tide USA Clethodim 2EC will generally provide more effective control of perennial grass weeds than a single application. Make second application to actively growing grass 2 to 3 weeks after emergence of new growth.

Cultivation of treated grasses 7 days prior to or within 7 days after application of Tide USA Clethodim 2EC may reduce weed control. **DO NOT APPLY TIDE USA CLETHODIM 2EC** if rainfall is expected within one hour, since control may be reduced.

Control Symptoms

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. Symptoms will generally be observed in 7 to 14 days after application, depending on grass species treated and environmental conditions.

ADDITION OF ADJUVANT OR CROP OIL CONCENTRATE

CROP	ADJUVANT SPECIFICATIONS
Alfalfa, Cotton, Bean (dry) & Pea (shelled), Edible Podded Legume Vegetables (succulent & dried)-Crop group 6, Peanuts (including perennial), Potato, Soybean, Bean & Pea (succulent shelled), Sugar Beet and Sunflower subgroup 20B	Always use a crop oil concentrate* at 1.0 qt./A by ground or 1% v/v (but not less than 1 pt./A) in the finished spray volume by air. 1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N or 32%N), or an equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added to Tide USA Clethodim 2EC applications, in addition to the specified rate of crop oil concentrate. The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.
Artichoke (Globe), Asparagus, Berry (low-growing) subgroup 13-07G except cranberry, Bushberry, Caneberry subgroup 13-07A, Canola, Carrot, Clover, Cranberry, Cucurbits, Flax, Fruiting Vegetables (except Tomato) group 8-10 except okra, Garden Beet, Garlic, Head & Stem Brassica Vegetables group 5-16, Herbs subgroup 19A, Hops, Leaf Petioles vegetable subgroup 22B, Leafy Brassica Greens, Leafy Greens subgroup 4-16A, Peppermint and Spearmint Tops, Mustard Seed, Okra, Onion (dry bulb), Green Onion, Pome Fruit group 11-10, Root Vegetables (except sugar beet) subgroup 1B, Safflower, Sesame, Stalk and Stem Vegetable subgroup 22A, Stone Fruit group 12-12, Strawberry, Stevia (dried leaves), Sweet Potato (Yam & other Tuberous and Corn Vegetables except Potato) subgroup 1C, Tomato, Tree Nuts group 14-12 and Watercress	Always use a crop oil concentrate at 1% v/v in the finished spray volume unless tank mix instructions indicate otherwise. DO NOT add liquid fertilizer for these crops.
Non-Bearing Fruit and Nut Crops, Ornamental Plants	Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt. per 50 gals. (0.25% v/v). DO NOT use crop oil concentrate since it may injure flowers and foliage.
Conifer Trees, Fallow Land (and other non-producing agricultural areas), and Non-Crop or Non-Planted Areas	Always use a crop oil concentrate containing at least 15% emulsifier at 1% v/v (but not less than 1 pt./A) in the finished spray volume.

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

Ground Application

Use of sufficient spray volumes and pressure is essential to ensure complete coverage. Use a minimum of 5 gals. and a maximum of 40 gals. of spray solution per acre. Under the following conditions a minimum of 10 gals. per acre is required: 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. Failure to use a minimum of 10 gals. per acre under these conditions can result in poor coverage and reduced grass control requiring repeat applications. Spray pressures must reflect a minimum of 30 psi and a maximum of 60 psi at the nozzle. **DO NOT** use flood nozzles.

Make applications to onions (dry bulb), green onion and, garlic in a minimum of 20 gals. of spray solution per acre.

Air Application

Use a minimum of 3 gals. of spray solution per acre unless otherwise directed in this label. Increase spray volumes up to 10 gals. as grass or crop foliage becomes dense. For onions (dry bulb), green onion or garlic: When applying by air **DO NOT** exceed 8 fl. oz./A (0.125 lb ai/A) in a single application. In California, make air applications to onions or garlic in a minimum of 20 gals. of spray solution per acre. In states other than California, make air application to onions or garlic in a minimum of 10 gals. of spray solution per acre.

NOTE: Crop injury may occur when Tide USA Clethodim 2EC is applied to onions or garlic with aerial equipment.

Spot Treatment

When using hand sprayers or high volume sprayers utilizing hand guns, mix 1/4% to 1/2% (0.33 oz. to 0.65 oz. per gal.) Tide USA Clethodim 2EC and treat to wet vegetation, while not allowing runoff of spray solution. For uses requiring crop oil concentrate, include crop oil concentrate at 1% (1.3 oz. per gal.) by volume. For uses requiring non-ionic surfactant, include non-ionic surfactant at 1/4% (0.33 oz. per gal.) by volume.

NOTE: If Tide USA Clethodim 2EC is applied as a spot treatment, DO NOT exceed the maximum rate allowed on a "per acre" basis or crop injury may occur.

CHEMIGATION – ONION (Dry Bulb), GREEN ONION AND GARLIC SPRINKLER IRRIGATION APPLICATION

Only apply Tide USA Clethodim 2EC by chemigation to onion (dry bulb), green onion, and garlic crops.

May be applied to onions and garlic by sprinkler irrigation systems.

Apply Tide USA Clethodim 2EC at the high rate for annual grasses (16 fl. oz. per acre / 0.25 lb ai per acre) when the grass height is at the low end of the range (application to larger grasses may not provide adequate control). Add a crop oil concentrate containing at least 15% emulsifier at 1 quart per acre.

Apply Tide USA Clethodim 2EC 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 labeled 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 Tide USA Clethodim 2EC 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.

Restrictions

- **DO NOT apply Tide USA Clethodim 2EC by chemigation in the states of Idaho, Montana, Oregon and Washington.**
- **DO NOT** apply this product through any irrigation system connected to a public water system.
- **DO NOT** apply by chemigation to any other crop, or to this crop using any other type of irrigation system.
- **DO NOT** apply Tide USA Clethodim 2EC through an irrigation system connected to a public water system. Public water system means a system for the provision to the public of piped water for human consumption, if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- **DO NOT** apply this product through any other type of irrigation system (i.e. Public Irrigation System).
- **DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation or under supervision of the responsible person, must shut the system down and make necessary adjustments if the need arises.
- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, including a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.
- Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, travelers, big gun, solid set, or hand move.

Precautions

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

MANDATORY SPRAY DRIFT

Aerial Applications:

- **DO NOT** release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a coarse or coarser droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

Ground Boom Applications:

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy. For all other ground applications, the nozzle must be no more than 3 feet from the target vegetation.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

SPRAY DRIFT ADVISORIES

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

BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL 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 recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size - Aircraft

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

BOOM HEIGHT - Ground Boom

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

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

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

TEMPERATURE AND HUMIDITY

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

TEMPERATURE INVERSIONS

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

WEED RESISTANCE MANAGEMENT

For resistance management, Tide USA Clethodim 2EC is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to Tide USA Clethodim 2EC and other Group 1 herbicides. Weed species with acquired resistance to Group 1 herbicides may eventually dominate the weed population if Group 1 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Tide USA Clethodim 2EC or other Group 1 herbicides. Users should scout before and after application.

Suspected herbicide-resistant weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

To delay herbicide resistance:

- Avoid the consecutive use of Tide USA Clethodim 2EC or other target site of action Group 1 herbicides that might have a similar target site of action, on the same weed species.
- Use tank mixtures or premixes with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action and are both effective at the tank mix or prepack rate on the weed(s) of concern (an herbicide mode of action classification by itself may not adequately address specific weeds that are resistant to specific herbicides)
- Base herbicide use on a comprehensive Integrated Pest Management (IPM) program.
- Scout fields prior to application to identify the weed species present and their growth state to determine if the intended application will be effective.
- Scout fields after application to verify that the treatment was effective.
- Contact your local extension specialist, certified crop advisors and/or manufacturer for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

Report any incidence of non-performance of this product against a particular weed species to your Tide International, USA, Inc. retailer, representative or call 949-679-3535. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemicals means to remove escapes, as practical, with the goal of preventing further seed production.

CROP SPECIFIC RESTRICTIONS AND LIMITATIONS FOR TIDE USA CLETHODIM 2EC

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Alfalfa including: Sainfoin Holy Clover Birdfoot trefoil ^{3,6}	15 days before grazing, feeding or harvesting (cutting) for forage or hay	6-16 fl oz ⁴ (0.094-0.250 lb ai/A)	1 qt by ground or 1% v/v (but not less than 1 pt./A) by air ⁵	Refer to tank mix partners for feeding, grazing and harvesting restrictions. ^{5,6} The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn. Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 16 fl. oz. (0.250 lb ai/A) per acre per application. DO NOT apply more than 32 fl. oz. (0.500 lb ai/A) per acre per year. DO NOT make more than 2 applications per year. Minimum of 14 days between applications. DO NOT apply this product plus 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.

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Artichoke (Globe)	5 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Restrictions DO NOT apply more than 8 fl. oz. (0.125 lb ai/A) per acre per application. DO NOT apply more than 32 fl. oz. (0.500 lb ai/A) per acre per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.
Bean, Dry Shelled except Soybean [Dried Shelled Pea and Bean (except soybean) Subgroup 6C] including: Bean (<i>Lupinus</i> spp.) Grain Sweet White White Sweet Bean (<i>Phaseolus</i> spp.) Field Kidney Lima (dry) Navy Pinto Tepary Bean (<i>Vigna</i> spp.) Adzuki Bean Black-eyed Pea Catjang Cowpea Crowder Pea Moth Bean Mung Bean Rice Bean Southern Pea Urd Bean Broad (dry) Chickpea (garbanzo) Guar Lablab Bean Lentil	30 days	6-16 fl. oz. (0.094-0.250 lb ai/A)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air. ⁵	Refer to appropriate Table for reduced rate directions for the control of small annual grasses. The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn. Restrictions DO NOT apply more than 16 fl. oz. (0.25 lb ai/A) per acre per application. DO NOT apply more than 32 fl. oz. (0.500 lb ai/A) per acre per year. Except for applications for reduced rate control for small annual grasses, DO NOT apply more than 2 applications per year. Minimum of 14 days between applications. For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 4 applications at 4 fl. oz. (0.0625 lb ai/A) per year. Not approved for this use in CA.

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
<p>Bean, Succulent Shelled [Succulent Shelled Pea and Bean Subgroup 6B] including: Bean (<i>Phaseolus</i> spp.) Broad Bean (succulent) Lima Bean (green) Bean (<i>Vigna</i> spp.) Black-eyed Pea Cowpea Southern Pea</p>	21 days	6-8 fl. oz. 0.094-0.125 lb ai/A)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air. ⁵	<p>Refer to appropriate Table for reduced rate directions for the control of small annual grasses. The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.</p> <p>Restrictions DO NOT apply more than 8 fl. oz. (0.125 lb ai) per acre per application. DO NOT apply more than 8 fl. oz. (0.125 lb ai/A) per acre per year. DO NOT apply more than one (1) application per acre per year. For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 2 applications at 4 fl. oz. (0.0625 lb ai/A) per year. Not approved for this use in CA.</p>
Beet, Garden	30 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	<p>Refer to appropriate table for reduced rate specifications for the control of small annual grasses.</p> <p>Restrictions DO NOT apply more than 8 fl. oz. (0.125 lb ai/A) per acre per application. DO NOT apply more than 32 fl. oz. (0.500 lb ai/A) per acre per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.</p>
<p>Berry Low Growing (except Cranberry and Strawberry) [Subgroup 13-07G] Including: Bearberry Bilberry Blueberry, lowbush Cloudberry Lingonberry Muntries Partidgeberry</p>	45 days	4-8 fl. oz. (0.0625-0.125 lb ai/A)	Non-ionic surfactant (NIS) at 0.25% v/v	<p>Verify crop resistance to Tide USA Clethodim 2EC on a small area of the crop, at the desired Tide USA Clethodim 2EC rate and with the same non-ionic surfactant (NIS) that will be used on the field. If no crop response is evident seven (7) days after treatment, Tide USA may be used on the entire field at the same rate tested and with the same NIS used in the resistance test.</p> <p>Restrictions DO NOT apply more than 8 fl. oz. (0.125 lb ai/A) per acre per application. DO NOT apply more than 32 fl. oz. (0.500 lb ai/A) per acre per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.</p>

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Brassica Head & Stem Vegetable [Crop Group 5-16] including: Broccoli Brussels sprouts Cabbage Cabbage, Chinese (Napa) Cauliflower Cultivars, varieties and/or hybrids of these commodities	30 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz. (0.125 lb ai/A) per acre per application. DO NOT apply more than 32 fl. oz. (0.500 lb ai/A) per acre per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.
Brassica Leafy Greens [Subgroup 4-16B] (except Radish Leaves, Turnip Greens and Watercress) Including: Arugula Broccoli, Chinese Broccoli, Raab Cabbage, Abyssinian Cabbage, Chinese (bok choy) Cabbage, Seakale Collards Cress, Garden Cress, Upland Hanover Salad Kale Maca (leaves) Mizuna Mustard Greens Rape Greens Rocket, Wild Shepherd's Purse cultivars, varieties, and/or hybrids of these commodities.	14 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz. (0.125 lb ai/A) per acre per application. DO NOT apply more than 32 fl. oz. (0.500 lb ai/A) per acre per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.
Bushberry Highbush [Crop Subgroup 13-07B] including: Aronia berry Blueberry, highbush Chilean guava Cranberry, highbush Currant, Black Currant, Buffalo Currant, native Currant, red Elderberry European barberry Gooseberry Honeysuckle, edible Huckleberry Jostaberry Juneberry Lingonberry Saskatoon berry Salal Sea buckthorn Cultivars, varieties and/or hybrids of these	14 days	4-8 fl. oz. (0.0625-0.125 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Apply at the base of the plant where grassy weeds are growing near the ground. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) in a single application. DO NOT apply more than 32 fl. oz. (0.5 lb. ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications. DO NOT apply to low growing berries. DO NOT apply to Bushberry grown for root stock.

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
<p>Caneberry [Crop Subgroup 13-07A] including: Blackberry Loganberry Raspberry, black Raspberry, red Raspberry, wild Cultivars, varieties and/or hybrids of these</p>	7 days	4-8 fl. oz. (0.0625-0.125 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Apply at the base of the plant where grassy weeds are growing near the ground. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) in a single application. DO NOT apply more than 32 fl. oz./A (0.5 lb. ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications. DO NOT apply to low growing berries. DO NOT apply to Caneberry grown for root stock.
<p>Canola including Rapeseed Subgroup 20A (except Flax Seed, Mustard Seed and Sesame Seed) including: Borage Crambe Cuphea Echium Gold of Pleasure (Camelina) Hare's Ear Mustard Lesquerella Lunaria Meadowfoam Milkweed Oil Radish Poppy Seed Rapeseed (canola) Sweet Rocket</p>	70 days	4-6 fl. oz. (0.0625-0.094 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Verify crop resistance to Tide USA Clethodim 2EC on a small area of the crop at the desired Tide USA Clethodim 2EC rate and with the same non-ionic surfactant (NIS) that will be used on the field. If no crop response is evident seven (7) days after treatment, Tide USA Clethodim 2EC may be used on the entire field at the rate tested and with the same NIS used in the resistance test. Restrictions DO NOT apply after crop has begun bolting. Crop injury may occur when Tide USA Clethodim 2EC is applied during the bloom period. DO NOT apply more than 6 fl. oz./A (0.094 lb ai/A) per application. For Annual and Perennial Grasses: DO NOT apply more than 1 application at 6 fl. oz./A (0.094 lb ai/A) per year. DO NOT apply more than 1 application per year. For Reduced Rate Control for Small Annual Grasses: DO NOT apply more than 1 application at 4 fl. oz./A (0.0625 lb ai/A) per year.

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Carrot	30 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.
Clover (Idaho, Oregon, and Washington only)	15 days before grazing, feeding or harvesting (cutting) for forage or hay	6-16 fl. oz. (0.094-0.250 lb ai/A)	1% v/v in the finished spray volume.	Restrictions DO NOT exceed 16 fl. oz./A (0.250 lb ai/A) per application. DO NOT exceed 16 fl. oz./A (0.250 lb ai/A) per year. DO NOT apply more than 1 application per year.
Corn, Field For burndown of existing stand of Roundup Ready field corn or volunteer Roundup Ready field corn prior to replanting field corn See Directions for Use in Roundup Ready Field Corn (Burndown) table	90 days	3 fl. oz. (0.047 lb ai/A)	DO NOT use COC or MSO with Tide USA Clethodim 2 EC in this use pattern	Restrictions DO NOT make more than 1 application per year. DO NOT apply more than 3 fl. oz./A per application. DO NOT apply more than 3 fl. oz./A (0.047 lb ai/A) per year. Replant no sooner than 6 days after application.
Cotton (including cotton grown for seed)	60 days	6-16 fl. oz. (0.094-0.250 lb ai/A)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air. ⁵	The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn. Refer to the appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 16 fl. oz./A (0.250 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 2 applications per year. Minimum of 14 days between applications. DO NOT graze treated fields or feed treated forage or hay to livestock.

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Cranberry	30 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications. DO NOT apply between the "hook" stage and full fruit set.
Fallow Land Conifer Trees (and other non-producing agricultural areas) Non-Crop or Non-Planted Areas	N/A	6-16 fl. oz. (0.094-0.250 lb ai/A)	1% v/v (but not less than 1 pt./A) in the finished spray volume using a crop oil concentrate containing at least 15% emulsifier.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 16 fl. oz./A (0.250 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 2 applications per year. Minimum of 14 days between applications. DO NOT plant any crop for 30 days after application unless clethodim is registered for use in that crop.
Flax	60 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT exceed 16 fl. oz./A (0.250 lb ai/A) per year. DO NOT apply more than 2 applications per year. Minimum of 14 days between applications. Apply prior to bloom. Crop injury may occur when Tide USA Clethodim 2EC is applied during the bloom period.

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Fruiting Vegetables (except okra and tomato) [Crop Group 8-10] including: African Eggplant Bush Tomato Bell Pepper Cocona Currant Tomato Eggplant Garden Huckleberry Goji Berry Groundcherry Martynia Naranjilla Pea Eggplant Pepino Nonbell Pepper Roselle Scarlet Eggplant Sunberry Tomatillo Tree Tomato Cultivars, varieties, and/or hybrids of these.	20 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.
Herbs [Subgroup 19A] including: Angelica Balm Basil Borage Burnet Camomile Catnip Chervil (dried) Chive Chive, Chinese Clary Coriander (leaf) Costmary Culantro (leaf) Curry (leaf) Dill (dillweed) Horehound Hyssop Lavender Lovage (leaf) Marigold Marjoram (<i>Origanum</i> spp.) Nasturtium Parsley (dried) Pennyroyal Rosemary Rue Sage Savory, Summer and Winter	14 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume	Tide USA Clethodim 2EC has not been tested on all herbs and herb varieties. It is the responsibility of the user to test Tide USA Clethodim 2EC on a small portion of the crop to be treated before treating the entire field. Verify crop resistance to Tide USA Clethodim 2EC on a small area of the herb crop, at the desired Tide USA Clethodim 2EC rate and with the same crop oil concentrate that will be used on the herb field. If no crop response is evident seven (7) days after treatment, Tide USA Clethodim 2EC may be used on the entire field at the rate tested and with the same crop oil used in the resistance test. Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Hops	21 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.
Leaf Petiole Vegetables [Subgroup 22B] including: Cardoon Celery Chinese Celery Fuki Rhubarb Udo Zuiki Cultivars, varieties, and/or hybrids of these commodities.	30 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.
Leafy Greens [Subgroup 4-16A] including: Amaranth, Chinese Amaranth, Leafy Aster, Indian Blackjack Cat's Whiskers Cham-chwi Cham-na-mul Chervil (fresh leaves) Chipilin Chrysanthemum (Edible leaved) Chrysanthemum, Garland Cilantro (fresh leaves) Corn Salad Cosmos Cress (garden, upland [yellow rock and winter]) Dandelion (leaves) Dang-gwi (leaves) Dillweed Dock (sorrel) Dol-nam-mul Ebolio Escarole Escarflow Famflower Feather Cockscomb Good King Henry Huazontle Jute (leaves) Lettuce, Bitter Lettuce, Head Lettuce, Leaf Orach Parsley (fresh leaves) Plantain, Buckhorn Primrose, English Purslane, Garden Purslane, Winter Radicchio (red, chicory) Spinach Spinach, New Zealand Spinach, vine (Indian and Malabar) Spinach, Tanier Swiss Chard Violet, Chinese (leaves) Cultivars, varieties, and or hybrids of these commodities	14 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
<p>Legume Vegetables, Edible Podded [Subgroup 6A] including: Bean (<i>Phaseolus</i> spp.) Runner Snap Wax 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</p>	21 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air. ⁵	<p>Refer to appropriate Table for reduced rate directions for the control of small annual grasses. The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control grasses including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.</p> <p>Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per year. Except for applications for reduced rate control for small annual grasses, DO NOT apply more than 1 application per year. For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 2 applications at 4 fl. oz. (0.0625 lb ai/A) per year. Not approved for this use in CA. For peas, apply before bloom, but no later than 21 days before harvest.</p>
<p>Melon [Subgroup 9A] including: Citron melon Muskmelon (including cantaloupe) Watermelon</p>	14 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	<p>Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.</p>
<p>Peppermint/Spearmint Tops</p>	21 days	6-16 fl. oz. ⁴ (0.094-0.250 lb ai/A)	1 qt. by ground or 1% v/v (but not less than 1pt./A by air).	<p>Refer to appropriate table for reduced rate specifications for the control of small annual grasses.</p> <p>Restrictions DO NOT apply more than 16 fl. oz./A (0.250 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 2 applications per year. Minimum of 14 days between applications.</p>

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Mustard Seed	75 days	4-6 fl. oz. (0.0625-0.094 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 6 fl. oz./A (0.094 lb ai/A) per application. DO NOT exceed 12 fl. oz./A (0.188 lb ai/A) per year. Except for applications for reduced rate control for small annual grasses, DO NOT apply more than 2 applications per year. DO NOT apply after crop has begun bolting. Crop injury may occur when Tide USA Clethodim 2EC is applied during the bloom period. For Reduced Rate Control for Small Annual Grasses: DO NOT apply more than 3 applications at 4 fl. oz. (0.0625 lb. ai/A) per year.
Okra	3 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.
[Bulb Onion] [Subgroup 3-07A] Onion (Dry Bulb Only) including: Daylily, Bulb Fritillaria, Bulb Garlic, Bulb Garlic, Great-headed, Bulb Garlic, Serpent, Bulb Lily, Bulb Onion, Bulb Onion, Chinese, Bulb Onion, Pearl Onion, Potato, Bulb Shallot, Bulb Cultivars, varieties, and/or hybrids of these	45 days	6-16 fl. oz. ^{6,7} (0.094-0.250 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 16 fl. oz./A (0.250 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 2 applications per year. When applying by air, DO NOT exceed 8 fl. oz. (0.125 lb. ai/A) per application and 16 fl. oz. (0.25 lb. ai/A) per year. Minimum of 14 days between applications. If this product is applied as a spot treatment to onion or garlic, DO NOT exceed the maximum rate allowed on a "per acre" basis. In California, DO NOT apply this product to garlic or onion until the crop has at least two full leaves. Use a 14 day spray interval between the application of this product and liquid nitrogen or other herbicide applications. Injury to crop may occur when shorter intervals are observed. For Garlic: When applying by ground, DO NOT exceed 8 fl. oz. (0.125 lb. ai/A) per application or 16 fl. oz. (0.25 lb. ai/A) per year. Minimum of 20 gals/A spray volume by ground in entire U.S. Minimum of 20 gals/A spray volume by air in California. In states other than California, make air applications to onions, garlic or shallots in a minimum of 10 gals/A.

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
<p>Pea, Dry Shelled [Subgroup 6C] including: Pea (<i>Pisum</i> spp.) Field Pigeon</p>	30 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1 qt. by ground or 1% v/v (but no less than 1 pt./A) by air. ⁵	<p>Refer to appropriate Table for reduced rate directions for the control of small annual grasses. The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.</p> <p>Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per year. Except for applications for reduced rate control for small annual grasses, DO NOT apply more than 1 application per year. Apply before bloom but no later than 30 days prior to harvest. For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 2 applications at 4 fl. oz. (0.0625 lb. ai/A) per year. 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 [Subgroup 6B] including: Pea (<i>Pisum</i> spp.) English Pea Garden Pea Green Pea Pigeon Pea</p>	21 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air. ⁵	<p>Refer to appropriate Table for reduced rate directions for the control of small annual grasses. The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.</p> <p>Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per year. Except for applications for reduced rate control for small annual grasses, DO NOT apply more than 1 application per year. For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 2 applications at 4 fl. oz. (0.0625 lb. ai/A) per year. Apply before bloom but no later than 21 days prior to harvest.</p>

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Peanut (including Perennial)	40 days	6-16 fl. oz. (0.094-0.250 lb ai/A)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air. ⁵	<p>The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.</p> <p>Refer to appropriate table for reduced rate specifications for the control of small annual grasses.</p> <p>Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb. ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.</p>
Pome Fruit [Crop Group 11-10] including: Apple Azarole Crabapple Loquat Mayhaw Medlar Pear Pear, Asian Quince Quince, Chinese Quince, Japanese Tejocote	14 days	4-8 fl. oz. (0.0625-0.125 lb ai/A)	Non-ionic surfactant (NIS) at 0.25% v/v	<p>Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb. ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb. ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.</p>
Potato	30 days	6-16 fl. oz. (0.094-0.250 lb ai/A)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air. ⁵	<p>The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.</p> <p>Refer to appropriate table for reduced rate specifications for the control of small annual grasses.</p> <p>Restrictions DO NOT apply more than 16 fl. oz./A (0.250 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year.</p> <p>DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.</p>

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Radish Radish Leaves* *Not for use in CA	15 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 16 fl. oz./A (0.250 lb ai/A) in a year. DO NOT apply more than 2 applications per year. Minimum of 14 days between applications.
Root Vegetables (except Sugar Beet and Radish) [Subgroup 1B] including: Burdock (Edible) Celeriac Chervil (Turnip-Rooted) Chicory Ginseng Horseradish Parsley (Turnip-Rooted) Parsnip Radish (Oriental) Rutabaga Salsify Salsify (Black) Salsify (Spanish) Skirret Turnip	30 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.
Safflower	70 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.
Sesame	14 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications. DO NOT apply during flowering.

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Soybean	60 days	6-16 fl. oz. (0.094-0.250 lb ai/A)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air. ⁵	<p>Refer to appropriate Table for reduced rate directions for the control of small annual grasses. The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.</p> <p>Restrictions DO NOT apply more than 16 fl. oz./A (0.250 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. Except for applications for reduced rate control for small annual grasses, DO NOT apply more than 2 applications per acre per year. Minimum of 14 days between applications. DO NOT graze treated fields or feed treated forage or hay to livestock. For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 4 applications at 4 fl. oz. (0.0625 lb. ai/A) per year.</p>
Squash/Cucumber [Subgroup 9B] including: Chayote (fruit) Chinese waxgourd (Chinese preserving melon) Cucumber Gherkin Gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra) <i>Momordica</i> spp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber) Pumpkin Squash, Summer Squash, Winter (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash)	14 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	<p>Refer to appropriate table for reduced rate specifications for the control of small annual grasses.</p> <p>Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.</p>

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Stalk and Stem Vegetable [Subgroup 22A] including: Agave Aloe Vera Asparagus Bamboo Shoots Celtuce Fennel, Florence (fresh leaves and stalk) Fern Fiddlehead (edible) Kale, Sea Kohlrabi Palm Hearts Prickly Pear (pads) Prickly Pear, Texas (pads) Cultivars, varieties, and/or hybrids of these commodities	1 day	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 16 fl. oz./A (0.25 lb ai/A) per year. DO NOT apply more than 2 applications per year. Minimum of 14 days between applications.
Stevia, dried leaves	14 days	4-8 fl. oz. (0.0625-0.125 lb ai/A)	Non-ionic surfactant (NIS) at 0.25% v/v	Tide USA Clethodim 2EC has not been tested on all varieties. It is the responsibility of the user to test Tide USA Clethodim 2EC on a small portion of the crop to be treated before treating the entire field. Verify crop resistance to Tide USA Clethodim 2EC on a small area of the crop at the desired Tide USA Clethodim 2EC rate and with the same non-ionic surfactant (NIS) that will be used on the field. If no crop response is evident seven (7) days after treatment, Tide USA Clethodim 2EC may be used on the entire field at the rate tested and with the same NIS used in the resistance test. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Stone Fruit (Crop Group 12-12) including: Apricot Apricot, Japanese Capulin Cherry, Black Cherry, Nanking Cherry, Sweet Cherry, Tart Jujube, Chinese Nectarine Peach Plum Plum, American Plum, Beach Plum, Canada Plum, Cherry Plum, Chickasaw Plum, Damson Plum, Japanese Plum, Klamath Plum, Prune Plumcot Sloe	14 days	4-8 fl. oz. (0.0625-0.125 lb ai/A)	Non-ionic Surfactant (NIS) at 0.25% v/v	Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.
Strawberry	4 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume	Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.
Sugar Beet	40 days	6-16 fl. oz. (0.094-0.250 lb ai/A)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air. ⁵	Refer to appropriate Table for reduced rate directions for the control of small annual grasses. The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn. Restrictions DO NOT apply more than 16 fl. oz./A (0.250 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. Except for applications for reduced rate control for small annual grasses, DO NOT apply more than 2 applications per year. Minimum of 14 days between applications. For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 4 applications at 4 fl. oz. (0.0625 lb ai/A) per year.

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
<p>Sunflower [Subgroup 20B] (except Safflower) including: Calendula Castor Oil Plant Chinese Tallowtree Euphorbia Evening Primrose Jojoba Niger Seed Rose Hip Stokes Aster Tallowwood Tea Oil Plant Vernonia</p>	70 days	6-16 fl. oz. (0.094-0.250 lb ai/A)	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air. ⁵	<p>The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.</p> <p>Verify crop resistance to Tide USA Clethodim 2EC on a small area of the crop at the desired Tide USA Clethodim 2EC rate and with the same crop oil concentrate that will be used on the field. If no crop response is evident seven (7) days after treatment, Tide USA Clethodim 2EC may be used on the entire field at the rate tested and with the same crop oil used in the resistance test. Refer to appropriate table for reduced rate specifications for the control of small annual grasses.</p> <p>Restrictions DO NOT apply more than 16 fl. oz./A (0.250 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. Except for applications for reduced rate control for small annual grasses, DO NOT apply more than 2 applications per year. Minimum of 14 days between applications. For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 4 applications at 4 fl. oz. (0.0625 lb ai/A) per year.</p>
Tomato	20 days	6-16 fl. oz. (0.094-0.250 lb ai/A)	1% v/v in the finished spray volume	<p>Refer to appropriate table for reduced rate specifications for the control of small annual grasses.</p> <p>Restrictions DO NOT apply more than 16 fl. oz./A (0.250 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 2 applications per year. Minimum of 14 days between applications.</p>

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
<p>Tree Nuts [Crop Group 14-12] including: African Nut-tree Almond Beechnut Brazil Nut Brazilian Pine Bunya Bur Oak Butternut Cajou Nut Candlenut Cashew Chestnut Chinquapin Coconut Coquito Nut Dika Nut Ginko Guiana Chestnut Hazelnut (Filbert) Hearnut Hickory Nut Japanese Horse-chestnut Macadamia Nut Mongongo Nut Monkey-pot Monkey Puzzle Nut Okari Nut Pachira Nut Peach Palm Nut Pecan Pequi Pili Nut Pine Nut Pistachio Sapucaia Nut Tropical Almond Walnut, Black Walnut, English Yellowhorn Cultivars, varieties, and/or hybrids of these.</p>	14 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume	<p>Restrictions DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year.</p> <p>DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.</p>

Crops ¹	Minimum Time From Application To Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre ²	Special Use Instructions
Tuberous and Corm Vegetables [Subgroup 1C] (except Potato) including: Arracacha Arrowroot Chinese Artichoke Jerusalem Artichoke Edible Cannia Cassava, Bitter and Sweet Chayote (Root) Chufa Dasheen (Taro) Ginger Leren Sweet Potato Tanier Turmeric Bean Yam True Yam Yam	30 days	6-16 fl. oz. (0.094-0.250 lb ai/A)	1% v/v in the finished spray volume	The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn. Refer to appropriate table for reduced rate specifications for the control of small annual grasses. Restrictions DO NOT apply more than 16 fl. oz./A (0.250 lb ai/A) per application. DO NOT apply more than 32 fl. oz./A (0.500 lb ai/A) per year. DO NOT apply more than 2 applications per year. Minimum of 14 days between applications.
Turnip Greens	14 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Restrictions: DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) in a single application. DO NOT apply more than 32 fl. oz./A (0.5 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications.
*Watercress *Not for use in CA	30 days	6-8 fl. oz. (0.094-0.125 lb ai/A)	1% v/v in the finished spray volume.	Restrictions: DO NOT apply more than 8 fl. oz./A (0.125 lb ai/A) in a single application. DO NOT apply more than 32 fl. oz./A (0.5 lb ai/A) per year. DO NOT apply more than 4 applications per year. Minimum of 14 days between applications. DO NOT apply when watercress under flood conditions. DO NOT apply this product when water is in the field and hold water for at least 24 hours after an application.

N/A = Not Applicable

¹ Tide USA Clethodim 2EC is not to be used on vegetable crops being grown for seed production unless specific use directions are provided.

² Acceptable crop oil concentrates would be those which contain a minimum of 80% oils and 15% emulsifier. A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria: be non-phytotoxic, contain only EPA-exempt ingredients, provide good mixing quality and be successful in local experience. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils. See the Addition of Adjuvant and Crop Oil Concentrate section for further information.

³ Tide USA Clethodim 2EC may be applied to seedling or established alfalfa grown for seed, hay, silage, green chop or direct grazing.

⁴ For weed control in established alfalfa and mint (peppermint and spearmint tops), the minimum use rate is 10 fl. oz./A (0.156 lb ai/A).

⁵ 1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N or 32%N), or an equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added to Tide USA Clethodim 2EC applications, in addition to the specified rate of crop oil concentrate.

⁶ **Restriction: DO NOT** apply this product 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.

IMPORTANT

Plant resistance to Tide USA Clethodim 2EC 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. Determine if the herbicide can be used safely of a few plants prior to widespread application. Neither the seller nor the manufacturer of Tide USA Clethodim 2EC has investigated the safety factor to plants not listed on the label.

NON-BEARING FOOD CROPS

USE INSTRUCTIONS:

- Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt. per 50 gals. (0.25% v/v).
- Use of crop oil concentrate is not advised since it may injure flowers and foliage.
- Sugar maples cannot be tapped for syrup within 1 year of application.

RESTRICTIONS:

- DO NOT APPLY TIDE USA CLETHODIM 2EC TO NON-BEARING FRUIT OR NUT CROPS WHICH ARE GROWN FOR ROOT STOCK.
- Crop injury to non-bearing fruit and nut crops can occur if Tide USA Clethodim 2EC is improperly applied. **DO NOT** apply Tide USA Clethodim 2EC directly over the top of these plant types. Instead, direct spray at the base of the plant where grassy weeds are growing near the ground.
- If Tide USA Clethodim 2EC is applied as a spot treatment to non-bearing fruit and nut crops, **DO NOT** exceed the maximum rate allowed on a "per acre" basis.
- **DO NOT** apply more than 8 fl. oz./A (0.125 lb. a.i./A) per application.
- **DO NOT** make more than 4 applications per acre per year.
- **DO NOT** apply more than 32 fl. oz./A (0.5 lb. a.i./A) per year.
- For repeat applications, make on a minimum of a 14-day interval.

Non-bearing fruit and nut crops are plants which will not bear fruit or nuts for at least one year following Tide USA Clethodim 2EC application.

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 Fruits	<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 Fruits	<i>Prunus</i> spp.
Strawberries	<i>Fragaria</i> spp.
Tree Nuts	
Almonds	<i>Prunus triloba</i>
Filbert	<i>Corylus maxima</i>
Pecan	<i>Carya illinoensis</i>
Pistachio	<i>Pistacia vera</i>
Walnut	<i>Juglans</i> spp.

CONIFER TREES

Tide USA Clethodim 2EC can be used to control labeled grasses in Christmas tree farms, conifer nurseries, and conifer plantations (but not in forests).

USE INSTRUCTIONS:

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

RESTRICTIONS:

- **DO NOT** apply more than 16 fl. oz./A (0.25 lb. a.i.) per application.
- **DO NOT** make more than 2 applications per acre per year at the 16 fl. oz. (0.25 lb. a.i./A) rate.
- **DO NOT** make more than 4 applications per acre per year at the 8 fl. oz. (0.125 lb. a.i./A) rate.
- **DO NOT** apply more than 32 fl. oz./A (0.5 lb. a.i./A) per year.
- For repeat applications, make on a minimum of a 14-day interval.

COMMON NAME	SCIENTIFIC NAME
Arborvitae, American	<i>Thuja occidentalis</i>
Cedars	<i>Cedrus</i> spp.
Cypress	<i>Taxodium</i> spp.
Fir, Douglas	<i>Pseudotsuga menziesii</i>
Firs	<i>Abies</i> spp.
Hemlock, Canadian/Eastern	<i>Tsuga Canadensis</i>
Hemlock, Western	<i>Tsuga heterophylla</i>
Pines	<i>Pinus</i> spp.
Spruces	<i>Picea</i> spp.
Yew	<i>Taxus</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, and post-harvest crop-lands. Also beneath greenhouse benches and around golf courses.

RESTRICTIONS:

- **DO NOT** apply as part of a tank mix when applying this product for grass suppression.
- Add a crop oil concentrate at 1 qt./A by ground to the finished spray volume.
- **DO NOT** apply more than 16 fl. oz./A (0.25 lb. a.i./A) per application.
- **DO NOT** apply more than 64 fl. oz./A (1 lb. a.i./A) per year.
- **DO NOT** apply more than 4 applications per year.
- For repeat applications, make on a minimum of a 14-day interval.

**INSTRUCTIONS FOR ANNUAL GRASSES
(EXCEPT FOR IN ESTABLISHED ALFALFA AND PEPPERMINT/SPEARMINT TOPS)**

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

Restrictions

- **DO NOT** exceed the maximum rate per application listed in the CROP-SPECIFIC RESTRICTIONS AND LIMITATIONS table.
- **DO NOT** exceed the maximum number of applications per year listed in the CROP-SPECIFIC RESTRICTIONS AND LIMITATIONS table.
- **DO NOT** exceed the maximum yearly rate listed in the CROP-SPECIFIC RESTRICTIONS AND LIMITATIONS table.

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT* (INCHES)	RATE FL. OZ./ACRE	HIGH RATE ¹
Barnyardgrass	<i>Echinochloa crus-galli</i>	2 to 8	6 (0.094 lb ai)	8 (0.125 lb ai)
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Brome				
California	<i>Bromus carinatus</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Cheat	<i>Bromus secalinus</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Downy	<i>Bromus tectorum</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Ripgut	<i>Bromus diandrus</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Canarygrass	<i>Phalaris canariensis</i>	1 to 4	6 (0.094 lb ai)	8 (0.125 lb ai)
Crabgrass				
Hairy	<i>Digitaria adscendens</i>	2 to 6**	6 (0.094 lb ai)	8 (0.125 lb ai)
Large	<i>Digitaria sanguinalis</i>	2 to 6**	6 (0.094 lb ai)	8 (0.125 lb ai)
Smooth	<i>Digitaria ischaemum</i>	2 to 6**	6 (0.094 lb ai)	8 (0.125 lb ai)
Southern	<i>Digitaria ciliaris</i>	2 to 6**	6 (0.094 lb ai)	8 (0.125 lb ai)
Crowfootgrass	<i>Dactyloctenium aegyptium</i>	2 to 6**	6 (0.094 lb ai)	8 (0.125 lb ai)
Fall Panicum	<i>Panicum dichotomiflorum</i>	2 to 8	6 (0.094 lb ai)	8 (0.125 lb ai)
Field Sandbur	<i>Cenchrus incertus</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Foxtail				
Giant	<i>Setaria faberi</i>	2 to 12	6 (0.094 lb ai)	8 (0.125 lb ai)
Green	<i>Setaria viridis</i>	2 to 8	6 (0.094 lb ai)	8 (0.125 lb ai)
Yellow	<i>Setaria glauca</i>	2 to 8	6 (0.094 lb ai)	8 (0.125 lb ai)
Goosegrass	<i>Eleusine indica</i>	2 to 6**	6 (0.094 lb ai)	8 (0.125 lb ai)
Itchgrass	<i>Rottboellia cochinchinensis</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Junglerice	<i>Echinochloa colona</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Lovegrass (Stinkgrass)	<i>Eragrostis cilianensis</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Rabbitsfootgrass	<i>Polypogon monspeliensis</i>	1 to 4	6 (0.094 lb ai)	8

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT* (INCHES)	RATE FL. OZ./ACRE	HIGH RATE ¹
				(0.125 lb ai)
Red Rice	<i>Oryza sativa</i>	1 to 3	6 (0.094 lb ai)	8 (0.125 lb ai)
Ryegrass				
Hardy	<i>Lolium remotum</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Italian	<i>Lolium multiflorum</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Seedling Johnsongrass	<i>Sorghum halepense</i>	4 to 10	6 (0.094 lb ai)	8 (0.125 lb ai)
Shattercane	<i>Sorghum bicolor</i>	6 to 18	6 (0.094 lb ai)	8 (0.125 lb ai)
Southwestern Cupgrass	<i>Eriochloa gracilis</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Sprangle Top				
Amazon	<i>Leptochloa panicoides</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Bearded	<i>Leptochloa fascicularis</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Mexican	<i>Leptochloa uninervia</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Red	<i>Leptochloa filiformis</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Texas Panicum	<i>Panicum texanum</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Volunteer Cereals²				
Barley	<i>Hordeum vulgare</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Oats	<i>Avena sativa</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Rye	<i>Secale cereale</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Wheat	<i>Triticum aestivum</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Volunteer Corn³	<i>Zea mays</i>	4 to 12	4 (0.0625 lb ai)	6 (0.094 lb ai)
Volunteer Corn³	<i>Zea mays</i>	12 to 24	6 (0.094 lb ai)	8 (0.125 lb ai)
Volunteer Corn (S.R.)⁴	<i>Zea mays</i>	4 to 12	8 (suppression only) (0.125 lb ai)	
Volunteer Grain Sorghum	<i>Sorghum bicolor</i>	8 to 12	6 (0.094 lb ai)	8 (0.125 lb ai)
Wild Oats	<i>Avena fatua</i>	2 to 6	6 (0.094 lb ai)	8 (0.125 lb ai)
Wild Proso Millet	<i>Panicum miliaceum</i>	2 to 10	6 (0.094 lb ai)	8 (0.125 lb ai)
Witchgrass	<i>Panicum capillare</i>	2 to 8	6 (0.094 lb ai)	8 (0.125 lb ai)
Woolly Cupgrass	<i>Eriochloa villosa</i>	2 to 8	6 (0.094 lb ai)	8 (0.125 lb ai)

* Generally occurs between 3-leaf stage and tillering.

**Length of lateral growth.

¹Rates higher than 8 fl. oz./A (0.125 lb ai/A) may be applied in certain geographic areas, cropping situations, or environmental conditions, where experience has shown that higher rates are needed for satisfactory control of annual grasses. In these situations, rates from 8 to 16 fl. oz./A (0.125 to 0.250 lb ai/A) may be applied.

²When a cereal grain crop (including wheat) is interseeded for crop establishment or is planted as wind breaks to aid in crop establishment, the minimum Tide USA Clethodim 2EC use rate for control is 8 fl. oz./A (0.125 lb ai/A).

³Includes Roundup Ready®, Liberty Link®, and IMI-CORN® volunteer corn.

⁴Sethoxydim resistant volunteer corn.

**DIRECTIONS FOR ANNUAL & PERENNIAL GRASS CONTROL
IN ESTABLISHED ALFALFA AND PEPPERMINT/SPEARMINT TOPS WITH TIDE USA CLETHODIM 2EC**

GRASS SPECIES	WEED STAGE	RATE FL. OZ./ACRE	HIGH RATE
Annual & Perennial Grasses Listed in Grass Table	See Table	10 (0.156 lb ai)	16 (0.250 lb ai)

Mowing: The best control of annual grasses can be achieved by applying Tide USA Clethodim 2EC before grass weeds are mowed. Once a grass is mowed it becomes tougher to control, as much of the available leaf surface has been removed. In areas without a killing frost, some annuals can over-winter after having been mowed multiple times. These grasses form large crowns and may contain many viable buds. These grasses, even though they may be an annual grass, may require repeated applications of Tide USA Clethodim 2EC for partial or complete control.

Irrigated Alfalfa and Peppermint/Spearmint Tops: Irrigation practices can be very critical to the successful use of Tide USA Clethodim 2EC in established alfalfa and mint 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.

Aerial Application: Apply Tide USA Clethodim 2EC in a minimum of 10 GPA in established alfalfa and mint when applying by air.

Annual Grass Control: Apply Tide USA Clethodim 2EC at the grass sizes indicated in the Directions for Annual Grass Table and rates indicated. If a grass has been cut, apply Tide USA Clethodim 2EC after active growth has resumed and regrowth has reached the minimum height and before it reaches the maximum height indicated. Apply before the alfalfa/mint 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 Tide USA Clethodim 2EC may vary from region to region. Also, some annuals germinate over an extended period of time, and because control of small grasses is desired, applications after each weed flush may be required. As a general rule spray spring and summer-germinating grasses as early in the 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.

Perennial Grass Control: Tide USA Clethodim 2EC effectively controls perennial grasses including bermudagrass, Johnsongrass, quackgrass, wirestem muhly, tall fescue, foxtail barley and orchardgrass. Due in part to lack of tillage, perennial grasses are more difficult to control in a perennial crop including established alfalfa or mint. A program of repeated applications is usually necessary for best results. The best way to control perennial grasses is to do so in the year of stand establishment before rhizomes and stolons become large and difficult to kill.

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

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

**DIRECTIONS FOR ANNUAL BLUEGRASS CONTROL
WITH TIDE USA CLETHODIM 2EC**

GRASS SPECIES	WEED STAGE	RATE FL. OZ./ACRE	HIGH RATE
Annual Bluegrass (<i>Poa annua</i>)	To 4-leaf	6* (0.094 lb ai)	16 (0.250 lb ai)

Application Instructions

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

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

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

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

*Use a minimum of 10 fl. oz./A (0.156 lb ai/A) to control annual bluegrass in seedling and established alfalfa and mint.

DIRECTIONS FOR ROUNDUP READY FIELD CORN (BURNDOWN)

GRASS SPECIES	WEED SIZE (inches)	Rate when applied alone or with glyphosate
Field Corn	Up to 12	3 fl. oz./A (0.047 lb ai)
<p>For control of existing stand of Roundup Ready field corn or volunteer Roundup Ready field corn prior to replanting corn. Care must be taken to avoid in-field boom (spray) overlaps or excessive crop injury may occur. Replant no sooner than 6 days after application. Adjuvant: NIS at 0.25% v/v plus AMS at 2.5 to 4 lbs/A. DO NOT use COC or MSO with Tide USA Clethodim 2EC in this use pattern.</p>		

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

REDUCED RATE DIRECTIONS NOT FOR USE IN CALIFORNIA

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

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT (INCHES)	RATE FL. OZ./ACRE¹
Barnyardgrass	<i>Echinochloa crus-galli</i>	1 to 4	4 (0.0625 lb ai)
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	1 to 4	5 (0.078 lb ai)
Crabgrass			
Large	<i>Digitaria sanguinalis</i>	1 to 3'	4 (0.0625 lb ai)
Large	<i>Digitaria sanguinalis</i>	1 to 4*	5 (0.078 lb ai)
Smooth	<i>Digitaria ischaemum</i>	1 to 3'	4 (0.0625 lb ai)
Smooth	<i>Digitaria ischaemum</i>	1 to 4*	5 (0.078 lb ai)
Southern	<i>Digitaria ciliaris</i>	1 to 4*	5 (0.078 lb ai)
Fall Panicum	<i>Panicum dichotomiflorum</i>	1 to 4	4 (0.0625 lb ai)
Foxtail			
Giant	<i>Setaria faberi</i>	1 to 4	4 (0.0625 lb ai)
Green	<i>Setaria viridis</i>	1 to 4	4 (0.0625 lb ai)
Millet	<i>Setaria italica</i>	1 to 4	5 (0.078 lb ai)
Yellow	<i>Setaria glauca</i>	1 to 4	4 (0.0625 lb ai)
Seedling Johnsongrass	<i>Sorghum halepense</i>	1 to 6	5 (0.078 lb ai)
Shattercane	<i>Sorghum bicolor</i>	4 to 10	4 (0.0625 lb ai)
Texas Panicum	<i>Panicum texanum</i>	1 to 4	5 (0.078 lb ai)
Volunteer Cereals			
Barley	<i>Hordeum vulgare</i>	1 to 4	5 (0.078 lb ai)

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT (INCHES)	RATE FL. OZ./ACRE¹
Oats	<i>Avena sativa</i>	1 to 4	5 (0.078 lb ai)
Wheat	<i>Triticum aestivum</i>	1 to 4	5 (0.078 lb ai)
Volunteer Corn**	<i>Zea mays</i>	4 to 12	4 (0.0625 lb ai)
Wild Proso Millet	<i>Panicum miliaceum</i>	1 to 6	4 (0.0625 lb ai)
Wild Oats	<i>Avena fatua</i>	1 to 4	5 (0.078 lb ai)

* Length of lateral growth

** Not S.R. Corn

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

DIRECTIONS FOR PERENNIAL GRASSES

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

Restrictions

- **DO NOT** exceed the maximum rate per application listed in the CROP-SPECIFIC RESTRICTIONS AND LIMITATIONS table.
- **DO NOT** exceed the maximum number of applications per year listed in the CROP-SPECIFIC RESTRICTIONS AND LIMITATIONS table.
- **DO NOT** exceed the maximum yearly rate listed in the CROP-SPECIFIC RESTRICTIONS AND LIMITATIONS table.

GRASS SPECIES	WEED HEIGHT (inches)	RATE FL. OZ./ACRE	HIGH RATE
Bermudagrass (<i>Cynodon dactylon</i>)			
First Application	3 (or up to 6" runners)	8 (0.125 lb ai)	16 (0.250 lb ai)
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	8 (0.125 lb ai)	16 (0.250 lb ai)
Fescue, Tall (<i>Festuca arundinacea</i>)			
First Application	4 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Repeat Application(s) (if regrowth occurs)	4 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Foxtail Barley (<i>Hordeum jubatum</i>)			
First Application	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Repeat Application(s) (if regrowth occurs)	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Orchardgrass (<i>Dactylis glomerata</i>)			
First Application	4 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Repeat Application(s) (if regrowth occurs)	4 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Quackgrass* (<i>Elytrigia repense</i>)			
First Application	4 to 12	8 (0.125 lb ai)	16 (0.250 lb ai)
Repeat Application(s) (if regrowth occurs)	4 to 12	8 (0.125 lb ai)	16 (0.250 lb ai)
Rhizome Johnsongrass (<i>Sorghum halepense</i>)			
First Application	12 to 24	8 (0.125 lb ai)	16 (0.250 lb ai)
Repeat Application(s) (if regrowth occurs)	6 to 18	6 (0.094 lb ai)	8 (0.125 lb ai)
Wirestem Muhly (<i>Muhlenbergia frondosa</i>)			
First Application	4 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Repeat Application(s) (if regrowth occurs)	4 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Perennial Bluegrass*			
Roughstalk (<i>Poa trivialis</i>)			
Kentucky (<i>Poa prantensis</i>)			
First Application	2 to 4	8 (0.125 lb ai)	16 (0.250 lb ai)
Repeat Application(s) (if regrowth occurs)	2 to 4	8 (0.125 lb ai)	16 (0.250 lb ai)
Bentgrass* (<i>Agrostis spp.</i>)			
First Application	2 to 4	-	16 (0.250 lb ai)
Repeat Application(s) (if regrowth occurs)	2 to 4	-	16 (0.250 lb ai)

*Control of quackgrass, perennial bluegrass and bentgrass with Tide USA Clethodim 2EC may be enhanced by adding Ammonium Sulfate (AMS) at 2.5 to 4.0 lb/A.

TANK MIXES PRODUCT INFORMATION

The labels for each of the herbicides specified for tank mixing with Tide USA Clethodim 2EC are unique to the characteristics of those products and contain restrictions and limitations that may be more restrictive than the Tide USA Clethodim 2EC label in certain considerations. Those concerns may include, but are not limited to:

1. **Always read and follow the restrictions and limitations for all products whether used alone or in a tank mix. The most restrictive labeling of any product used applies in tank mixtures, including all crop rotational and other crop restrictions.**
2. Geographic restrictions – all products are not registered for use in all areas and rates may vary from one region of labeled use to another;
3. Crop rotation restrictions;
4. Applicator certification requirements;
5. Worker safety rules (e.g., protective clothing, reentry time, posting);
6. Soil type or soil characteristics (e.g., pH, OM);
7. Maximum dosage or number of applications per year;
8. Rain free period required; or
9. Application timing (e.g., pre-harvest interval)
10. **DO NOT** exceed the total yearly rates.

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

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

TANK MIX APPLICATION OF TIDE USA CLETHODIM 2EC AND BROADLEAF HERBICIDES FOR CONTROL OF GRASSES AND BROADLEAF WEEDS

- Apply only to actively growing grass and broadleaf weeds at the labeled height or growth stage listed on each label.
- Apply when the first grass or broadleaf weed species in a mixed population reaches the labeled height or growth stage for treatment.
- Apply 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 specified for each specific tank mix combination.
- Tank mix applications may sometimes result in reduced grass control and possible increases in crop injury as compared to either product used alone. If regrowth occurs, or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC, as specified in the respective size and rate tables.
- **DO NOT** tank mix Tide USA Clethodim 2EC when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.

MIXING INSTRUCTIONS

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

INFORMATION ON ANTAGONISM

Tank mixes of Tide USA Clethodim 2EC with postemergence broadleaf herbicides have shown some reduction or failure to control certain grass species which would have otherwise been controlled when Tide USA Clethodim 2EC is applied alone. Activity of the postemergence broadleaf herbicide in the tank mix is not affected.

ALFALFA

Table 1. TIDE USA CLETHODIM 2EC TANK MIXES WITH BROADLEAF HERBICIDES FOR ALFALFA
(Refer to the tables above for specified grasses and growth stages)

PRODUCT ²	APPLICATION RATES/ACRE ¹		CROP OIL CONCENTRATE ³ (V/V)	
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	AIR
TIDE USA CLETHODIM 2EC + Dimethylamine 4-(2,4-dichlorophenoxy) butyrate ⁴	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	1%	1%
TIDE USA CLETHODIM 2EC + imazethapyr ⁵	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	-	1%	1%
TIDE USA CLETHODIM 2EC + bromoxynil ⁶	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	-	0.5%	0.5%

Restriction: DO NOT apply when alfalfa is under moisture, temperature, insect or disease stress or has been stressed by other pesticide carryover or application.

¹If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC alone (without a tank mix herbicide), according to the appropriate size and rate requirements.

²Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. **DO NOT** tank mix in these situations.

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

⁴Tide USA Clethodim 2EC plus Dimethylamine 4-(2,4-dichlorophenoxy) butyrate may increase the severity of crop injury when tank mixed. Alfalfa plants will generally outgrow this temporary crop injury within a few weeks.

⁵Before using this tank mix, read and understand the imazethapyr labels for geographical restrictions and restrictions regarding alfalfa growth stage and type. Failure to do so can result in crop injury to alfalfa.

⁶In the states of Washington, Oregon, Idaho, Montana, Wyoming, Colorado, Utah, Nevada and the western halves of North Dakota, South Dakota, Nebraska, and Kansas: Tide USA Clethodim 2EC plus bromoxynil tank mix must be applied in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 2 trifoliolates. Unacceptable crop injury may occur to alfalfa seedlings less than the 2 trifoliolate leaf stage. Tide USA Clethodim 2EC plus bromoxynil applications made when temperatures are expected to exceed 80°F at (and 3 days following) application can result in unacceptable crop injury. In the states listed above, apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 4 trifoliolate leaves. When alfalfa stand is uneven and conditions favor leaf burn, unacceptable crop injury may occur to alfalfa in the 2 trifoliolate or smaller stage of growth. Tide USA Clethodim 2EC plus bromoxynil applications made when temperatures are expected to exceed 70°F at (and 3 days following) application can result in unacceptable crop injury. Crop leaf burn can occur following Tide USA Clethodim 2EC plus bromoxynil application. Warm, humid conditions may enhance leaf burn. New crop growth will not be affected.

CANOLA (EXCEPT FLAX)
[Rapeseed Subgroup 20A (except flax seed, mustard seed, and sesame seed)]

Table 2. REDUCED RATE TIDE USA CLETHODIM 2EC TANK MIXES WITH BROADLEAF HERBICIDES
(Refer to the tables above for specific grasses and growth stages.)

PRODUCT	APPLICATION RATES/ACRE		AMMONIUM SULFATE	
	ANNUAL GRASSES ¹	PERENNIAL GRASSES	GROUND	AIR
TIDE USA CLETHODIM 2EC + glufosinate ²	4 to 5 fl. oz. (0.0625-0.078 lb ai) + Refer to product label for use rates.	-	3.0 lbs.	3.0 lbs.
Restriction: DO NOT apply Tide USA Clethodim 2EC tank mix during or after bolting or flowering or crop injury may occur.				

¹Annual grasses and sizes controlled with these tank mixtures are those that are identified in the **DIRECTIONS FOR REDUCED RATE TO CONTROL SMALL ANNUAL GRASSES** table.

²For use only on LibertyLink[®] canola.

COTTON

Table 3. TIDE USA CLETHODIM 2EC TANK MIXED WITH COBRA[®] HERBICIDE AND MSMA APPLIED POST DIRECTED TO COTTON

PRODUCT ¹	APPLICATION RATE/ACRE ²		CROP OIL CONCENTRATE ³ V/V	COMMENTS
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	
TIDE USA CLETHODIM 2EC ⁴ + lactofen + MSMA (4.0 lbs./gal.) or MSMA (6.6 lbs./gal.)	6 to 8 fl. oz. (0.094-0.125 lb ai)	8 to 16 fl. oz. (0.125-0.250 lb ai)	1%	Reduce broadcast rate in proportion to the band area actually treated.
	See lactofen label for rates to control broadleaf weeds and height limitations for cotton. Refer to the Tide USA Clethodim 2EC label for weed height and species controlled.			
	See MSMA label for rates to control broadleaf weeds and height limitations for cotton. Refer to the Tide USA Clethodim 2EC label for weed height and species controlled.			

¹Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. **DO NOT** tank mix in these situations.

²If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC alone (without a tank mix herbicide), according to the appropriate size and rate directions.

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

⁴If at the time of application, grass height is so tall that post-directed applications cannot get good coverage over the top of the grassy weeds then poor control may result and a second (non-post directed) application of Tide USA Clethodim 2EC may be necessary.

COTTON (continued)

Table 4. TIDE USA CLETHODIM 2EC TANK MIXED WITH BUCTRIL 4 EC TO CONTROL EMERGED WEEDS IN BXN COTTON AS A BROADCAST APPLICATION

PRODUCT ¹	APPLICATION RATE/ACRE ²	CROP OIL CONCENTRATE ³	COMMENTS ⁵
	ANNUAL GRASSES		
TIDE USA CLETHODIM 2EC + bromoxynil ⁴	8 to 16 fl. oz. (0.125-0.250 lb ai) Refer to product label for use rates to control broadleaf weeds and height limitations for cotton.	1 qt.	See charts for grasses controlled.

Restrictions

DO NOT apply the Tide USA Clethodim 2EC plus bromoxynil tank mix within 75 days of harvest.

DO NOT exceed 2 applications of bromoxynil before cotton is 12 inches tall and one application after 12 inches tall.

¹Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage.

²If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC at the specified rate with the appropriate amount of crop oil concentrate in a non-bromoxynil tank mix.

³Always add a crop oil concentrate at 1 qt./A by ground in the finished spray volume.

⁴Applications of bromoxynil can be made only to cotton that has been genetically modified for crop resistance to postemergence over-the-top applications of bromoxynil.

⁵Use a minimum of 10 gals. of spray solution per acre.

Table 5. TIDE USA CLETHODIM 2EC TANK MIXED WITH GLYPHOSATE TO CONTROL EMERGED GRASSES IN COTTON AS A BROADCAST APPLICATION

PRODUCT	APPLICATION RATE/ACRE ¹		ADJUVANT		COMMENTS
	ANNUAL GRASSES	PERENNIAL GRASSES	Glyphosate formulation with built in adjuvant	Glyphosate formulation without built in adjuvant	
TIDE USA CLETHODIM 2EC + GLYPHOSATE	6 to 8 fl. oz. (0.094-0.125 lb ai) See glyphosate label for use rates to control broadleaf weeds and height limitations for cotton.	8 to 16 fl. oz. (0.125-0.250 lb ai)	Non-ionic surfactant @ 0.125 to 0.25% v/v plus ammonium sulfate @ 8.5 to 17 lbs. per 100 gals. of carrier	Crop oil concentrate @ 1 pt./A plus ammonium sulfate @ 8.5 to 17 lbs. per 100 gals. of carrier	See charts for grasses controlled. Use a minimum of 10 gals. of spray solution per acre.

¹If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC at the specified rate with the appropriate amount of crop oil concentrate.

BEANS (DRY AND SUCCULENT SHELLED)
[Succulent Shelled Pea and Bean Subgroup 6B]
[Dried Shelled Pea and Bean (except Soybean) Subgroup 6C]

Table 6. TIDE USA CLETHODIM 2EC TANK MIXES WITH BROADLEAF HERBICIDES FOR BEANS (DRY AND SUCCULENT SHELLED)
(Refer to the tables above for specific grasses and growth stages.)

PRODUCT ²	APPLICATION RATES/ACRE ¹		CROP OIL CONCENTRATE ³ (V/V)	
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	AIR
			TIDE USA CLETHODIM 2EC + bentazon	8 to 10 fl. oz. (0.125-0.156 lb ai) + Refer to product label for use rates.

¹If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC alone (without a tank mix herbicide), according to the appropriate size and rate directions.

²Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. **DO NOT** tank mix in these situations.

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

FLAX

Table 7. REDUCED RATE TIDE USA CLETHODIM 2EC TANK MIXES WITH BROADLEAF HERBICIDES FOR FLAX
(Refer to the tables above for specific grasses and growth stages)

PRODUCT	APPLICATION RATES/ACRE		CROP OIL CONCENTRATE	
	ANNUAL GRASSES ¹	PERENNIAL GRASSES	GROUND	AIR
			TIDE USA CLETHODIM 2EC + MCPA and bromoxynil octanoate and bromoxynil heptanoate	4 to 5 fl. oz. (0.0625-0.078 lb ai) + Refer to product label for use rates.
TIDE USA CLETHODIM 2EC + bromoxynil	4 to 5 fl. oz. (0.0625-0.078 lb ai) + Refer to product label for use rates.	-	1 pt.	1 pt.
TIDE USA CLETHODIM 2EC + MCPA ester	4 to 5 fl. oz. (0.0625-0.078 lb ai) + Refer to product label for use rates.	-	1 pt.	1 pt.

Restrictions:

DO NOT apply Tide USA Clethodim 2EC tank mix during or after the bud stage or to ornamental flax or crop injury may occur.

DO NOT apply tank mixes if temperatures are expected to exceed 85°F at (or 3 days following) application or crop injury may occur.

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

SOYBEAN

Table 8. TIDE USA CLETHODIM 2EC TANK MIXES³ TO CONTROL ANNUAL GRASSES WHEN USED AS A BURNDOWN IN NO-TILL SOYBEAN.

PRODUCT	PRODUCT RATE/ACRE ¹	GRASS HEIGHT (inches)	CROP OIL CONCENTRATE/ACRE ²	28%N OR 32%N QTS./A OR 2.5 to 4.0 LBS. AMS
TIDE USA CLETHODIM 2EC + 2,4-D ester* ³	3 fl. oz. (0.047 lb ai)	Foxtail 1 to 3 Fall Panicum 1 to 3	1 qt.	1 to 2 qts. Or 2.5 to 4.0 lbs. AMS
	4 fl. oz. (0.0625 lb ai)	Foxtail 1 to 4 Fall Panicum 1 to 4	1 qt.	1 to 2 qts. Or 2.5 to 4.0 lbs. AMS
	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	(See Grass Chart for grasses claimed.)	1 qt.	1 to 2 qts. Or 2.5 to 4.0 lbs. AMS

Restriction: DO NOT use 2-4-D ester where drift sensitive crops may be grown.

¹If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC alone (without a tank mix herbicide), according to the appropriate size and rate directions.

²Always use a crop oil concentrate at the listed rate in the finished spray volume.

³The following products can be tank mixed with Tide USA Clethodim 2EC plus 2, 4-D ester: flumioxazin, chlorimuron-ethyl + sulfentrazone, metolachlor, s-metolachlor, pendimethalin, metribuzin, metribuzin plus the metolachlor/s-metolachlor products, and glyphosate.

Table 9. TIDE USA CLETHODIM 2EC TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEAN (Refer to the tables above for specific grasses and growth stages.)

PRODUCT ²	APPLICATION RATES/ACRE ¹		CROP OIL CONCENTRATE ³ (V/V)	
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	AIR
TIDE USA CLETHODIM 2EC + lactofen	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	8 to 16 fl. oz. (0.125-0.250 lb ai) + 12.5 fl. oz.	0.5 to 1%	1%
TIDE USA CLETHODIM 2EC + bentazon	8 to 10 fl. oz. (0.125-0.156 lb ai) + Refer to product label for use rates.	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	1%	1%
TIDE USA CLETHODIM 2EC + Glyphosate (For use on Roundup Ready soybean only)	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	8 to 16 fl. oz. (0.125-0.250 lb ai) + Refer to product label for use rates.	0.5 to 1% ⁴	1% ⁴
TIDE USA CLETHODIM 2EC + acifluorfen	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	0.5 to 1%	1%

PRODUCT ²	APPLICATION RATES/ACRE ¹		CROP OIL CONCENTRATE ³ (V/V)	
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	AIR
TIDE USA CLETHODIM 2EC + fomesafen ⁶	6 to 8 fl. oz. (0.094-0.125 lb ai) Refer to product label for use rates.	8 to 16 fl. oz. (0.125-0.250 lb ai) + Refer to product label for use rates.	1%	1%
TIDE USA CLETHODIM 2EC + chlorimuron-ethyl	8 to 10 fl. oz. (0.125-0.156 lb ai) + Refer to product label for use rates.	10 to 18 fl. oz. (0.156-0.281 lb ai) + Refer to product label for use rates.	1%	1%
TIDE USA CLETHODIM 2EC ⁴ + imazethapyr	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	8 to 16 fl. oz. (0.125-0.250 lb ai) + Refer to product label for use rates.	1%	1%
TIDE USA CLETHODIM 2EC ⁵ + lactofen + chlorimuron-ethyl	8 to 10 fl. oz. (0.125-0.156 lb ai) + Refer to product labels for use rates.	-	0.5%	1%
TIDE USA CLETHODIM 2EC ⁵ + lactofen + bentazon	8 to 10 fl. oz. (0.125-0.156 lb ai) + Refer to product labels for use rates.	-	0.5%	1%
TIDE USA CLETHODIM 2EC ⁵ + lactofen + imazethapyr	8 to 10 fl. oz. (0.125-0.156 lb ai) + Refer to product labels for use rates.	-	0.5%	1%
TIDE USA CLETHODIM 2EC ⁵ + bentazon and acifluorfen	8 to 10 fl. oz. (0.125-0.156 lb ai) + Refer to product label for use rates.	-	0.5%	1%
TIDE USA CLETHODIM 2EC ⁵ + flumiclorac + imazethapyr	8 to 10 fl. oz. (0.125-0.156 lb ai) + Refer to product labels for use rates.	-	1%	1%
TIDE USA CLETHODIM 2EC ⁵ + flumiclorac + bentazon	8 to 10 fl. oz. (0.125-0.156 lb ai) + Refer to product labels for use rates.	-	1%	1%
TIDE USA CLETHODIM 2EC ⁵ + flumiclorac + chlorimuron-ethyl	8 to 10 fl. oz. (0.125-0.156 lb ai) + Refer to product labels for use rates.	-	1%	1%
TIDE USA CLETHODIM 2EC ⁵ + lactofen + flumiclorac	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product labels for use rates.	-	0.5%	1%

PRODUCT ²	APPLICATION RATES/ACRE ¹		CROP OIL CONCENTRATE ³ (V/V)	
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	AIR
TIDE USA CLETHODIM 2EC ⁵ + cloransulam-methyl	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	8 to 16 fl. oz. + Refer to product label for use rates.	1%	-
TIDE USA CLETHODIM 2EC ⁵ + lactofen + cloransulam-methyl	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	6 to 8 fl. oz. + Refer to product label for use rates.	1%	-
TIDE USA CLETHODIM 2EC ⁵ + imazamox	6 to 8 to fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	-	1%	-
TIDE USA CLETHODIM 2EC ⁵ + lactofen + imazamox	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product labels for use rates.	-	1%	-
TIDE USA CLETHODIM 2EC ⁵ + chlorimuron-ethyl and thifensulfuron	6 to 8 fl. oz. ⁷ (0.094-0.125 lb ai) + Refer to product label for use rates.	-	1 qt.	-
TIDE USA CLETHODIM 2EC ⁵ + lactofen + chlorimuron-ethyl and thifensulfuron	6 to 8 fl. oz. ⁷ (0.094-0.125 lb ai) + Refer to product labels for use rates.	-	1 pt.	-
TIDE USA CLETHODIM 2EC ⁵ + flumiclorac	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	-	1qt.	-
TIDE USA CLETHODIM 2EC + cloransulam-methyl + fomesafen ⁶	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	8 to 16 fl. oz. (0.125-0.250 lb ai) + Refer to product label for use rates.	1%	-

¹If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC alone (without a tank mix herbicide), according to the appropriate size and rate directions.

²Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. **DO NOT** tank mix in these situations.

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

⁴The addition of 2.5 lb. of ammonium sulfate is required when TIDE USA CLETHODIM 2EC is tank mixed with glyphosate. If the glyphosate formulation has a stand alone built in adjuvant, add 0.125% v/v non-ionic surfactant in place of crop oil concentrate for ground application and 1% v/v for aerial application.

⁵Add 1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N, or 32%N) when Tide USA Clethodim 2EC is tank mixed with imazethapyr, flumiclorac, bentazon and acifluorfen, cloransulam-methyl, thifensulfuron and chlorimuron-ethyl, imazamox, cloransulam-methyl and flumetsulam, lactofen plus chlorimuron-ethyl, and lactofen plus imazamox. An equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added in place of liquid fertilizer. Fertilizer adjuvants are to be added in addition to the crop oil concentrate.

⁶Refer to fomesafen label for geographic and rotational instructions.

⁷Annual grasses and sizes controlled with these tank mixtures are those that are identified in the **DIRECTIONS FOR REDUCED RATE TO CONTROL SMALL ANNUAL GRASSES** table.

Table 10. REDUCED RATE TIDE USA CLETHODIM 2EC TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEAN (Refer to table Directions for reduced rate to control small annual grasses in canola, dry shelled bean & pea (including soybean, edible podded legume vegetables, flax, mustard seed, bean & pea (succulent) and sugar beet)

PRODUCT	APPLICATION RATES/ACRE ¹		CROP OIL CONCENTRATE ^{3,4} (V/V)	
	ANNUAL GRASSES ²	PERENNIAL GRASSES	GROUND	AIR
TIDE USA CLETHODIM 2EC + cloransulam-methyl	4 to 8 fl. oz. (0.0625-0.125 lb ai) + Refer to product label for use rates.	-	1%	1%
TIDE USA CLETHODIM 2EC + imazethapyr	4 to 6 fl. oz. (0.0625-0.094 lb ai) + Refer to product label for use rates.	-	1%	1%

¹If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC alone (without a tank mix herbicide), according to the appropriate size and rate directions.

² Annual grasses and sizes controlled with these tank mixtures are those that are identified in the **DIRECTIONS FOR REDUCED RATE TO CONTROL SMALL ANNUAL GRASSES** table.

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

⁴ The addition of 1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N, or 32%N) is required when Tide USA Clethodim 2EC is tank mixed at reduced rates. An equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added in place of liquid fertilizer. Fertilizer adjuvants are to be added in addition to the crop oil concentrate.

PEANUT (INCLUDING PERENNIAL)

Table 11. TIDE USA CLETHODIM 2EC TANK MIXES WITH BROADLEAF HERBICIDES FOR PEANUT (INCLUDING PEANUT)
(Refer to the tables above for specific grasses and growth stages.)

PRODUCT ²	APPLICATION RATES/ACRE ¹		CROP OIL CONCENTRATE ³ (V/V)	
	ANNUAL GRASSES ²	PERENNIAL GRASSES	GROUND	AIR
TIDE USA CLETHODIM 2EC + bentazon	8 to 10 fl. oz. (0.125-0.156 lb ai) + Refer to product label for use rates.	-	1%	1%
TIDE USA CLETHODIM 2EC + acifluorfen	8 to 10 fl. oz. (0.125-0.156 lb ai) + Refer to product label for use rates.	-	1%	1%

¹If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC alone (without a tank mix herbicide), according to the appropriate size and rate directions.

²Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. **DO NOT** tank mix in these situations.

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

DIRECTIONS FOR GRASS SUPPRESSION FOR HARVEST EFFICIENCY IN PEANUT (INCLUDING PERENNIAL) WITH TIDE USA CLETHODIM 2EC

GRASS SPECIES	WEED STAGE	RATE FL. OZ./ ACRE	HIGH RATE
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.	16 (0.250 lb ai)	32 (0.5 lb ai)
Restriction:			
<ul style="list-style-type: none"> DO NOT apply as part of a tank mix when applying Tide USA Clethodim 2EC for grass suppression. 			
Add a crop oil concentrate at 1 qt./A by ground to the finished spray volume.			

SUGAR BEET

Table 12. TIDE USA CLETHODIM 2EC TANK MIXED WITH STINGER® APPLIED TO SUGAR BEET
(Refer to the tables above for specific grasses and growth stages)

PRODUCT ²	APPLICATION RATES/ACRE ¹		CROP OIL CONCENTRATE ³ (V/V)	
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	AIR
TIDE USA CLETHODIM 2EC + clopyralid	6 to 8 fl. oz. (0.094-0.125 lb ai) Refer to product label for use rates.	8 to 16 fl. oz. (0.125-0.250 lb ai)	1%	1%

¹If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC alone (without a tank mix herbicide), according to the appropriate size and rate directions.

²Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. **DO NOT** tank mix in these situations.

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

Table 13. TIDE USA CLETHODIM 2EC TANK MIXED WITH DESMEDIPHAM+PHENMEDIPHAM OR DESMEDIPHAM APPLIED TO SUGAR BEET

PRODUCT ¹	WEEDS CONTROLLED		WEED HEIGHT (inches)	APPLICATION RATE/ACRE ²
	COMMON NAME	SCIENTIFIC NAME		
TIDE USA CLETHODIM 2EC ² + desmedipham+phenmedipham Or desmedipham	Barnyardgrass	<i>Echinochloa crus-galli</i>	1 to 3	8 fl. oz. (0.125 lb ai)
	Foxtail	<i>Setaria</i> spp.	1 to 3	
	Foxtail Millet	<i>Setaria italic</i>	1 to 3	
	Wild Oat	<i>Avena fatua</i>	1 to 3	
	Wild Proso Millet	<i>Panicum miliaceum</i>	1 to 3	
			Refer to the desmedipham+phenmedipham label for use rates to control broadleaf weeds. Do not include additives in the tank mix.	
			Refer to the desmedipham label for use rates to control broadleaf weeds. Do not include additives in the tank mix.	
Restriction: DO NOT use crop oil concentrate. DO NOT include additives in the tank mix. If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC alone (without a tank mix herbicide), according to the appropriate size and rate directions.				

¹ Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. **DO NOT** tank mix in these situations.

² If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC at full label rate with appropriate rate of crop oil concentrate.

Table 14. TIDE USA CLETHODIM 2EC PLUS DESMEDIPHAM+PHENMEDIPHAM OR DESMEDIPHAM TANK MIX FOR THREE SEQUENTIAL APPLICATIONS FOR ANNUAL GRASS CONTROL (MICRO-RATE APPLICATION)

PRODUCT	APPLICATION RATES/ACRE ¹		METHYLATED SEED OIL ² (V/V)	
	ANNUAL GRASSES	GRASSES CONTROLLED (inches)	GROUND	AIR
			TIDE USA CLETHODIM 2EC + desmedipham+phenmedipham + desmedipham	2 to 3 fl. oz. (0.031-0.047 lb ai) + Refer to product labels for use rates. ³

¹ Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. **DO NOT** tank mix in these situations.

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

Directions for Use for Micro-Rate Applications to Sugar Beet Product Information

Multiple micro-rate applications of Tide USA Clethodim 2EC in tank mixtures with reduced rates of desmedipham+phenmedipham or desmedipham and methylated seed oils may be applied by air or ground equipment to sugar beets to control early germinating annual grasses listed above. Refer to the desmedipham+phenmedipham or desmedipham product labels for use rates. Favorable climatic conditions (good conditions for plant growth and development) are essential for adequate weed control. All use precautions and restrictions on the desmedipham+phenmedipham or desmedipham master labels must be followed.

Directions for Using Micro-Rate Multiple Applications of Tide USA Clethodim 2EC Tank Mixes

Apply Tide USA Clethodim 2EC in broadcast applications only at a rate of 2 to 3 fl. oz./A (0.031-0.047 lb ai/A) in tank mixture with either desmedipham+phenmedipham or desmedipham. Refer to the desmedipham+phenmedipham or desmedipham product labels for use rates. If weed control is not adequate due to climatic conditions, spray coverage or other factors, return to conventional application rates of Tide USA Clethodim 2EC (6 to 8 fl. oz./A, 0.094-0.125 lb ai/A) and add rates of desmedipham+phenmedipham or desmedipham as directed on their label. When using conventional rates of desmedipham+phenmedipham or desmedipham in tank mixtures with Tide USA Clethodim 2EC, **DO NOT** use a spray adjuvant.

Use Precautions for Micro-Rate Applications:

(See desmedipham+phenmedipham or desmedipham labels for further use precautions.)

Not all weeds will be adequately controlled, even with favorable climatic conditions. Conventional rates of Tide USA Clethodim 2EC, desmedipham+phenmedipham or desmedipham and/or hand labor may be required if multiple micro-rate applications **DO NOT** adequately control weeds. Plugging of spray nozzles may be encountered due to the potential for formation of a precipitate in the spray solution that is often associated with micro-rate applications. Tide International, USA, Inc. will not be responsible for any nozzle plugging that may occur with the use of multiple micro-rate applications.

RESTRICTION: DO NOT USE METHYLATED SEED OIL.

GROUND APPLICATION

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

AERIAL APPLICATION

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

Table 15. TANK MIX APPLICATION OF TIDE USA CLETHODIM 2EC AND FUNGICIDES FOR CONTROL OF GRASS WEEDS AND DISEASES IN SUGAR BEET

PRODUCT ²	APPLICATION RATES/ACRE ¹		CROP OIL CONCENTRATE ³ (V/V)
	ANNUAL GRASSES	PERENNIAL GRASSES	
TIDE USA CLETHODIM 2EC + tetraconazole	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	8 to 16 fl. oz. (0.125-0.250 lb ai) + Refer to product label for use rates.	1%

¹If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC alone (without a tank mix fungicide) according to the appropriate size and rate directions.

²Refer to Tide USA Clethodim 2EC and fungicide label for rates and weeds and diseases controlled.

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

Table 16. TANK MIX APPLICATION OF TIDE USA CLETHODIM 2EC AND INSECTICIDES FOR CONTROL OF GRASS WEEDS AND INSECTS IN ALFALFA, COTTON, PEPPERMINT/SPEARMINT TOPS, PEANUT (INCLUDING PERENNIAL), SOYBEAN AND SUNFLOWER

PRODUCT ²	APPLICATION RATES/ACRE ¹		CROP OIL CONCENTRATE (V/V) ³	CROP					
	ANNUAL GRASSES	PERENNIAL GRASSES		Alfalfa ⁴	Cotton	Mint ⁴	Peanut	Soybean	Sunflower
TIDE USA CLETHODIM 2EC + acephate	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product labels for use rates.	8 to 16 fl. oz. (0.125-0.250 lb ai) + Refer to product labels for use rates.	1%		X	X	X		
TIDE USA CLETHODIM 2EC + fenpropathrin	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	8 to 16 fl. oz. (0.125-0.250 lb ai) + Refer to product label for use rates.	1%		X		X		
TIDE USA CLETHODIM 2EC + esfenvalerate	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	8 to 16 fl. oz. (0.125-0.250 lb ai) + Refer to product label for use rates.	1%						X
TIDE USA CLETHODIM 2EC + lambda-cyhalothrin	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	8 to 16 fl. oz. (0.125-0.250 lb ai) + Refer to product label for use rates.	1%						X
TIDE USA CLETHODIM 2EC + lambda-cyhalothrin	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	1%	X					
TIDE USA CLETHODIM 2EC + B-cyfluthrin	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	1%	X					
TIDE USA CLETHODIM 2EC + dimethoate	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	1%	X					

Table 16. TANK APPLICATION OF TIDE USA CLETHODIM 2EC AND INSECTICIDES FOR CONTROL OF GRASS WEEDS AND INSECTS IN ALFALFA, COTTON, MINT, PEANUTS (INCLUDING PERENNIAL), SOYBEAN AND SUNFLOWER (continued)

PRODUCT ²	APPLICATION RATES/ACRE ¹		CROP OIL CONCENTRATE (V/V) ³	CROP					
	ANNUAL GRASSES	PERENNIAL GRASSES		Alfalfa ⁴	Cotton	Mint ⁴	Peanut	Soybean	Sunflower
TIDE USA CLETHODIM 2EC + chlorpyrifos	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	1 to 2 pt.	X					
TIDE USA CLETHODIM 2EC + permethrin	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	10 to 16 fl. oz. (0.156-0.250 lb ai) + Refer to product label for use rates.	1%	X					
Restrictions:									
<ul style="list-style-type: none"> The Tide USA Clethodim 2EC rate is 6 to 8 fl. oz./A (0.094-0.125 lb ai/A) for annual grass control in baby mint, minimum of 8 fl. oz./A (0.125 lb ai/A) for annual grass control in established mint and 8 to 16 fl. oz./A (0.125-0.250 lb ai/A) for perennial grass control. Add crop oil concentrate at the rate of 1.0 to 2.0 pts./A. Insecticide tank mix use with acephate in soybean is permitted only in a state having an approved Section 24(c) registration for acephate use in soybean. The Tide USA Clethodim 2EC rate is 6 to 8 fl. oz./A (0.094-0.125 lb ai/A) for annual grass control in seedling alfalfa. For the Tide USA Clethodim 2EC plus chlorpyrifos tank mix, reduce the adjuvant rate down to 1.0 pt./A when the chlorpyrifos rate is 1.0 pt./A or higher. 									

¹If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC alone (without a tank mix insecticide) according to the appropriate size and rate requirements.

²Refer to Tide USA Clethodim 2EC and insecticide label for rates and weeds and insects controlled.

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

⁴Certain insecticides may cause temporary phytotoxic symptoms on alfalfa and mint foliage. Refer to the insecticide label for further information. It is suggested that prior to using any of these insecticide/herbicide tank mixtures, that a small area of the field be treated first and observations for crop injury be made prior to treating the whole field.

Table 17. DIRECTIONS FOR ROUNDUP READY VOLUNTEER CORN CONTROL IN ROUNDUP READY SOYBEAN WITH TIDE USA CLETHODIM 2EC HERBICIDE TANK MIX

Roundup Ready Volunteer Corn Height (inches)	Tide USA Clethodim 2EC Rate fl. oz./A	Glyphosate ¹ rate for formulations with built in adjuvant	Adjuvant
<12	4 (0.0625 lb ai)	Refer to product label for use rates.	Non-ionic surfactant @ 0.125 to 0.25% v/v plus ammonium sulfate @ 8.5 to 17 lbs. per 100 gals./ of carrier
12 to 18	5 (0.078 lb ai)		
18 to 24	6 (0.094 lb ai)		

Roundup Ready Volunteer Corn Height (inches)	Tide USA Clethodim 2EC Rate fl. oz./A	Glyphosate ¹ rate for formulations without built in adjuvant	Adjuvant
<12	4 (0.0625 lb ai)	Refer to product label for use rates.	Crop oil concentrate @ 1 pt./A plus Ammonium sulfate @ 8.5 to 17 lbs. per 100 gals./ of carrier
12 to 18	5 (0.078 lb ai)		
18 to 24	6 (0.094 lb ai)		

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

- Apply only to actively growing grass and broadleaf weeds at specified height or growth stage listed on each label.
- Apply under favorable soil moisture and humidity which exist a few days after rainfall or within seven days after irrigation.
- Tank mix applications may sometimes result in reduced grass control. If regrowth occurs, or an additional flush of new grass emerges, make a second application of Tide USA Clethodim 2EC, as specified in the respective size and rate tables.
- Avoid contact with foliage, green stems, or fruit of crops, or any desirable plants and trees, other than soybean with the ROUNDUP READY gene as severe injury or destruction will result.
- This tank mix may be applied postemergence to ROUNDUP READY soybean up through the full flowering stage.

Restrictions

- **DO NOT** tank mix Tide USA Clethodim 2EC when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.
- **DO NOT** apply less than 60 days before harvest.
- **DO NOT** allow the Tide USA Clethodim 2EC plus ROUNDUP to mist, drip, drift or splash onto desirable vegetation as minute quantities of the tank mix can cause severe damage or destruction to the crops, plants or other areas on which treatment was not intended. The likelihood of injury occurring from drift of this product is greatest when winds are gusty or in excess of 5 miles per hour. Even under lesser wind velocities, avoid conditions that allow spray drift to occur including combinations of spray pressure and nozzle type that will result in fine particles (mist) that are likely to drift.

FALLOW LAND

DIRECTIONS FOR USE

Tide USA Clethodim 2EC may be used to control annual and perennial grasses in land that has been left fallow the previous year and other non-producing agricultural areas. Apply Tide USA Clethodim 2EC at 6 to 8 fl. oz./A (0.094-0.125 lb ai/A) for annual grasses and 8 to 16 fl. oz./A (0.125-0.25 lb ai/A) for perennial grasses. When both grass and broadleaf weeds are the target pest, Tide USA Clethodim 2EC may be tank mixed with 2,4-D ester or BANVEL® SGF for broad spectrum control. When both annual and perennial grasses occur in the same field, use a minimum of 8 fl. oz./A (0.125 lb ai/A) Tide USA Clethodim 2EC rate.

Product Information

- Use a minimum spray volume of 5 gals./A for aerial applications and 15 gals./A for ground applications.
- Apply 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.
- Annual grasses that emerge after the Tide USA Clethodim 2EC application will not be controlled, and a second application may be necessary.
- The control of perennial grasses may require more than 1 application in non-tilled areas.

Restrictions

- **DO NOT** apply more than 8 fl. oz. (0.125 lb ai/A) of this product per application to Annual Grasses and 16 fl. oz. (0.250 lb ai/A) of this product per application to Perennial Grasses.
- **DO NOT** exceed 5 applications at the 6 fl. oz. rate (0.094 lb ai) for Annual Grasses and **DO NOT** exceed 4 applications at the 8 fl. oz. (0.125 lb ai) rate for Perennial Grasses.
- For repeat applications make on a minimum of a 14 day interval.
- **DO NOT** apply more than 32 fl. oz. (0.500 lb ai) of this product per acre per year.
- **DO NOT** plant any crop for 30 days after application unless clethodim is registered for use in that crop.
- **DO NOT** apply to grasses that have tillered, formed seedheads or exceeded specified growth stage.
- **DO NOT** use flood jet nozzles.
- **DO NOT** apply to drought stressed grasses.
- **DO NOT** mow area for 2 weeks prior to or after the Tide USA Clethodim 2EC application.

Table 18. TIDE USA CLETHODIM 2EC IN TANK MIXES TO CONTROL ANNUAL AND PERENNIAL GRASSES IN FALLOW LAND

PRODUCT	APPLICATION RATES/ACRE ¹		CROP OIL CONCENTRATE ² (V/V) Ground/Air
	ANNUAL GRASSES	PERENNIAL GRASSES	
TIDE USA CLETHODIM 2EC + 2,4-D ester or dicamba	6 to 8 fl. oz. (0.094-0.125 lb ai) + Refer to product label for use rates.	8 to 16 fl. oz. (0.125-0.250 lb ai)	1%

¹Refer to Tide USA Clethodim 2EC label for weed height and species control. Review dicamba and 2,4-D labels for crop restrictions, use rates and weeds controlled.

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

DIRECTIONS FOR GRASS SUPPRESSION IN NON-CROP AREAS WITH TIDE USA CLETHODIM 2EC			
GRASS SPECIES	WEED STAGE	RATE FL. OZ./ACRE	HIGH RATE
Annual and perennial grasses that exceed height claimed for control on height charts	Up to and including grasses in the seed head stage.	12 (0.188 lb ai)	16 (0.250 lb ai)
Restriction: DO NOT apply as part of a tank mix when applying Tide USA Clethodim 2EC for grass suppression. Add a crop oil concentrate at 1 qt./A by ground to the finished spray volume.			

Table 19. TIDE USA CLETHODIM 2EC 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	
TIDE USA CLETHODIM 2EC	10 to 12 fl. oz./A (0.156-0.188 lb ai/A)	Tall Fescue	<i>Festuca arundinacea</i>	4 to 6 inches tall (40 to 60% green-up)
Adjuvant: Tide USA Clethodim 2EC must be applied with crop oil concentrate at 1 qt./A, plus a spray grade ammonium sulfate at 2.5 to 4 lbs./A. Mixing Order: Thoroughly mix spray grade ammonium sulfate in water, add Tide USA Clethodim 2EC, then add crop oil concentrate.				

SPECIAL APPLICATION INSTRUCTIONS

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

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

Apply only to fields that have warm-season grasses established for 2 years. Applications of Tide USA Clethodim 2EC to emerged warm-season grasses may cause injury.

NOTE: Tide USA Clethodim 2EC applications are most effective if applied when average nighttime temperatures are consistently greater than or equal to 47°F.

Restrictions

- **DO NOT** mow area for 2 weeks after the Tide USA Clethodim 2EC application.
- **DO NOT** use flood jet nozzles.
- **DO NOT** apply to warm-season grasses grown for seed.
- **DO NOT** graze treated fields or feed treated forage and/or hay to livestock.
- **DO NOT** plant any crop for 30 days after application, unless clethodim is registered for use in that crop.

Table 20. TIDE USA CLETHODIM 2EC FOR THE SUPPRESSION OF TALL FESCUE SEED-HEADS IN NON-PRODUCING AGRICULTURAL AREAS

PRODUCT	PRODUCT RATE	SUPPRESSION	APPLICATION TIMING
TIDE USA CLETHODIM 2EC	1 ½ to 2 fl. oz./A (0.023-0.031 lb ai/A)	Tall Fescue Seed-Heads (<i>Festuca arundinacea</i>)	(50 to 90% Tall Fescue green-up)
Adjuvant: Tide USA Clethodim 2EC must be applied with crop oil concentrate at 1 qt./A, plus a spray grade ammonium sulfate at 2.5 to 4 lbs./A. Mixing Order: Thoroughly mix spray grade ammonium sulfate in water, add Tide USA Clethodim 2EC, then add crop oil concentrate.			

SPECIAL APPLICATION INSTRUCTIONS/PRECAUTIONS

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

Use the higher Tide USA Clethodim 2EC rate if less tall fescue green matter is present.

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

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

Restrictions

- **DO NOT** mow area for two weeks after the Tide USA Clethodim 2EC application.
- **DO NOT** graze treated fields or feed treated forage and/or hay to livestock.
- **DO NOT** plant any crop for 30 days after application, unless clethodim is registered for use in that crop.

DIRECTIONS FOR USE IN ORNAMENTALS

For ornamental plant uses, Tide USA Clethodim 2EC can be used to control labeled grass weeds in greenhouses, lathhouses, shadehouses, and around outdoor ornamentals, including nurseries, parks, roadside plantings, and structure landscapes.

IMPORTANT

Tide USA Clethodim 2EC successfully controls weeds in newly transplanted and established non-grassy ornamentals. Plant resistance to Tide USA Clethodim 2EC 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. Determine if herbicide can be used safely on a few plants prior to widespread application. Neither the seller nor the manufacturer of Tide USA Clethodim 2EC have investigated the safety factor to ornamental plants not tested on the label.

The following plants have shown a resistance for Tide USA Clethodim 2EC applications:

ORNAMENTAL TREES

COMMON NAME	SCIENTIFIC NAME
Alder, Red	<i>Alnus rubra</i>
Ash	<i>Fraxinus</i> spp.
Basswood	<i>Tilia</i> spp.
Birch, European White	<i>Betula pendula</i>
Birch, River	<i>Betula nigra</i>
Birch, White	<i>Betula papyrifera</i>
Crabapple, Flowering	<i>Malus halliana</i>
Dogwood, Flowering	<i>Cornus florida</i>
Golden Chain Tree	<i>Laburnum anagyroides</i>
Maples	<i>Acer</i> spp.
Mulberry, White	<i>Morus alba</i>
Oaks	<i>Quercus</i> spp.
Olive, Wild	<i>Elaeagnus angustifolia</i>
Redbud, Eastern	<i>Cercis Canadensis</i>
Sweet Gum, American	<i>Liquidambar styraciflua</i>

GROUND COVERS

COMMON NAME	SCIENTIFIC NAME
Bugleweed, Carpet	<i>Ajuga reptans</i>
Ivy, English	<i>Hedera helix</i>
Japanese Spurge	<i>Pachysandra terminalis</i>
Lilyturf	<i>Liriope muscari</i>
Moneywort	<i>Lysimachia nummularia</i>
Mondo Grass, White	<i>Ophiopogon jaburan</i>
Mondo Grass, Dwarf	<i>Ophiopogon japonicas</i>
Periwinkle, Lesser	<i>Vinca minor</i>

GARDEN FLOWERS AND PLANTS

COMMON NAME	SCIENTIFIC NAME
Ageratum	<i>Ageratum</i> spp.
Alyssum*, Sweet	<i>Lobular maritime</i>
Asparagus Fern	<i>Asparagus setaceous</i>
Bleeding Heart	<i>Decent spectabilis</i>
Cast Iron Plant	<i>Aspidistra elatior</i>
Chrysanthemum	<i>Chrysanthemum</i> spp.
Cinquefoil	<i>Potentilla</i> spp.
Coleus	<i>Coleus</i> spp.
Coralbells	<i>Heuchera sanguine</i>
Cranesbill	<i>Geranium</i> spp.
Dahlia	<i>Dahlia</i> spp.
Daisy, Trailing African	<i>Osteospermum fruticosum</i>
Daylily	<i>Hemerocallis</i> spp.
Dusty Miller	<i>Senecio cineraria</i>
Euonymus	<i>Euonymus</i> spp.
Gazania	<i>Gazania</i> spp.
Geranium, House	<i>Pelargonium hortorum</i>
Heather, False	<i>Cuphea hyssopifolia</i>
Hosta	<i>Hosta fortunei</i>
Iris	<i>Iris</i> spp.
Jasmine Tobacco	<i>Nicotiana alata</i>
Loosestrife	<i>Lythrum salicaria</i>
Marigold	<i>Tagetes</i> spp.
Partridgeberry	<i>Mitchella repens</i>
Petunia*	<i>Petunia hybrida</i>
Phlox	<i>Phlox</i> spp.
Pinks	<i>Dianthus</i> spp.
Portulaca	<i>Portulaca grandiflora</i>
Salvia	<i>Salvia</i> spp.
Saxifrage	<i>Saxifrage</i> spp.
Sedum	<i>Sedum</i> spp.
Selloum	<i>Philodendron selloum</i>
Snapdragon*	<i>Antirrhinum majus</i>
Sweet Flag	<i>Acorus gramineus</i>
Tickseed	<i>Coreopsis grandiflora</i>
Touch-Me-Not	<i>Impatiens</i> spp.
Verbena	<i>Verbena</i> spp.
Violet	<i>Viola</i> spp.
Yarrow, Common	<i>Achillea millefolium</i>
Zinnia	<i>Zinnia elegans</i>

*Slight foliage or flower speckling has been observed on these species.

SHRUBS

COMMON NAME	SCIENTIFIC NAME
Abelia	<i>Abelia</i> spp.
Anise, Purple	<i>Illicium floridanum</i>
Aucuba	<i>Aucuba</i> spp.
Azalea*	<i>Rhododendron</i> spp.
Bamboo	<i>Bambusa</i> spp.
Barberry, Japanese	<i>Berberis thunbergii</i>
Barberry, Magellan	<i>Berberis buxifolia</i>
Bayberry	<i>Myrica pensylvanica</i>
Bottlebrush	<i>Callistemon citrinus</i>
Boxwood, Common	<i>Buxus sempervirens</i>
Camellia, Common	<i>Camellia japonica</i>
Candytuft	<i>Iberis sempervirens</i>
Cleyera	<i>Cleyera japonica</i>
Coralberry	<i>Ardisia crenata</i>
Crape Myrtle	<i>Lagerstroemia indica</i>
Coyote Brush	<i>Baccharis pilularis</i>
Fig, Creeping	<i>Ficus pumila</i>
Gardenia	<i>Gardenia</i> spp.
Holly	<i>Ilex</i> spp.
Honeysuckle	<i>Lonicera</i> spp.
Indian Hawthorn	<i>Raphiolepis indica</i>
Jasmine	<i>Jasminum</i> spp.
Jasmine, Asiatic	<i>Trachelospermum asiaticum</i>
Jasmine, Star	<i>Trachelospermum jasminoides</i>
Juniper	<i>Juniperus</i> spp.
Lantana	<i>Lantana</i> spp.
Nandina* Bamboo, Heavenly	<i>Nandinia domestica</i>
Oleander, Common	<i>Nerium oleander</i>
Oregon Grape	<i>Mahonia aquifolium</i>
Photinia	<i>Photinia</i> spp.
Pittosporum	<i>Pittosporum</i> spp.
Podocarpus	<i>Podocarpus</i> spp.
Privet	<i>Ligustrum</i> spp.
Pyracantha	<i>Pyracantha</i> spp.
Rhododendron	<i>Rhododendron</i> spp.
Rose	<i>Spiraea bumalda</i>
Sweet Olive	<i>Osmanthus fragrans</i>
Viburnum	<i>Viburnum tinus</i>
Wisteria	<i>Wisteria</i> spp.
Yellow Sage/Shrub Verbena	<i>Lantana camara</i>

*Slight foliage or flower speckling has been observed on these species.

DIRECTIONS FOR ANNUAL GRASSES IN ORNAMENTALS

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

Restrictions

- **DO NOT** apply more than 16 fl. oz./A (0.25 lb ai/A) in a single application.
- **DO NOT** apply more than 32 fl. oz./A (0.5 lb ai/A) per year.
- **DO NOT** apply more than 4 applications per year.

GRASS SPECIES	SCIENTIFIC NAME	WEED* HEIGHT (inches)	RATE FL. OZ./ACRE ¹	HIGH RATE ²
Barnyardgrass	<i>Echinochloa crus-galli</i>	2 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Broadleaf Signalgrass	<i>Bracharia platyphylla</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Brome				
California	<i>Bromus carinatus</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Cheat	<i>Bromus secalinus</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Downy	<i>Bromus tectorum</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Ripgut	<i>Bromus diandrus</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Canarygrass	<i>Phalaris canariensis</i>	1 to 4	8 (0.125 lb ai)	16 (0.250 lb ai)
Crabgrass				
Hairy	<i>Digitaria adscendens</i>	2 to 6**	8 (0.125 lb ai)	16 (0.250 lb ai)
Large	<i>Digitaria sanguinalis</i>	2 to 6**	8 (0.125 lb ai)	16 (0.250 lb ai)
Smooth	<i>Digitaria ischaemum</i>	2 to 6**	8 (0.125 lb ai)	16 (0.250 lb ai)
Southern	<i>Digitaria ciliaris</i>	2 to 6**	8 (0.125 lb ai)	16 (0.250 lb ai)
Crowfootgrass	<i>Dactyloctenium aegyptium</i>	2 to 6**	8 (0.125 lb ai)	16 (0.250 lb ai)
Fall Panicum	<i>Panicum dichotomiflorum</i>	2 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Field Sandbur	<i>Cenchrus incertus</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Foxtail				
Giant	<i>Setaria faberi</i>	2 to 12	8 (0.125 lb ai)	16 (0.250 lb ai)
Green	<i>Setaria viridis</i>	2 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Yellow	<i>Setaria glauca</i>	2 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Goosegrass	<i>Eleusine indica</i>	2 to 6**	8 (0.125 lb ai)	16 (0.250 lb ai)
Itchgrass	<i>Rottboellia cochlin</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Junglerice	<i>Echinochloa colona</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Lovegrass (Stinkgrass)	<i>Eragrostis cilianensis</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)

GRASS SPECIES	SCIENTIFIC NAME	WEED* HEIGHT (inches)	RATE FL. OZ./ACRE ¹	HIGH RATE ²
Rabbitsfootgrass	<i>Polypogon monspeliensis</i>	1 to 4	8 (0.125 lb ai)	16 (0.250 lb ai)
Red Rice	<i>Oryza sativa</i>	1 to 3	8 (0.125 lb ai)	16 (0.250 lb ai)
Ryegrass				
Hardy	<i>Lolium remotum</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Italian	<i>Lolium multiflorum</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Seedling Johnsongrass	<i>Sorghum halepense</i>	4 to 10	8 (0.125 lb ai)	16 (0.250 lb ai)
Shattercane	<i>Sorghum bicolor</i>	6 to 18	8 (0.125 lb ai)	16 (0.250 lb ai)
Southwestern Cupgrass	<i>Eriochloa gracilis</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Sprangletop				
Amazon	<i>Leptochloa panicoides</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Bearded	<i>Leptochloa fascicularis</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Mexican	<i>Leptochloa uninervia</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Red	<i>Leptochloa filiformis</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Texas Panicum	<i>Panicum texanum</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Volunteer Cereals				
Barley	<i>Hordeum vulgare</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Oats	<i>Avena sativa</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Rye	<i>Secale cereale</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Wheat	<i>Triticum aestivum</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Volunteer Corn	<i>Zea mays</i>	4 to 12	6 (0.094 lb ai)	8 (0.125 lb ai)
Volunteer Corn	<i>Zea mays</i>	12 to 24	8 (0.125 lb ai)	16 (0.250 lb ai)
Volunteer Grain Sorghum	<i>Sorghum bicolor</i>	8 to 12	8 (0.125 lb ai)	16 (0.250 lb ai)
Wild Oats	<i>Avena fatua</i>	2 to 6	8 (0.125 lb ai)	16 (0.250 lb ai)
Wild Proso Millet	<i>Panicum miliaceum</i>	2 to 10	8 (0.125 lb ai)	16 (0.250 lb ai)
Witchgrass	<i>Panicum capillare</i>	2 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Woolly Cupgrass	<i>Eriochloa villosa</i>	2 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)

* Generally occurs between 3-leaf stage and tillering.

**Length of lateral growth.

¹8 fl. oz./A (0.125 lb ai/A) = approximately 0.2 fl. oz./1000 sq. ft.

²16 fl. oz./A (0.250 lb ai/A) = approximately 0.4 fl. oz./1000 sq. ft.

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

**DIRECTIONS FOR ANNUAL BLUEGRASS CONTROL WITH
TIDE USA CLETHODIM 2EC IN ORNAMENTALS**

GRASS SPECIES	WEED STAGE	RATE FL. OZ./ACRE	HIGH RATE
Annual Bluegrass (<i>Poa annua</i>)	to 4-leaf	6 (0.094 lb ai)	16 (0.250 lb ai)
Apply under favorable soil moisture and humidity that exists within a few days after rainfall or within 7 days after irrigation. Grass needs to be actively growing at time of application(s).			
Apply at weed stage indicated on the label, as reduced control can be expected with more mature annual bluegrass.			
Use the high rate under heavy grass pressure and/or when annual bluegrass is more mature.			
Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt. per 50 gals. (0.25% v/v).			
Restrictions			
<ul style="list-style-type: none"> • DO NOT apply more than 16 fl. oz./A (0.25 lb ai/A) in a single application. • DO NOT apply more than 32 fl. oz./A (0.5 lb ai/A) per year. • DO NOT apply more than 2 applications per year. • Minimum of 14 days between applications. 			

DIRECTIONS FOR PERENNIAL GRASSES

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

Restrictions

- **DO NOT** apply more than 16 fl. oz./A (0.25 lb ai/A) in a single application.
- **DO NOT** apply more than 32 fl. oz./A (1 lb ai/A) per year.
- **DO NOT** apply more than 2 applications per year.
- Minimum of 14 days between applications.

GRASS SPECIES	WEED HEIGHT (inches)	RATE FL. OZ./ACRE¹	HIGH RATE²
Bermudagrass (<i>Cynodon dactylon</i>)			
First Application	3 (or up to 6" runners)	8 (0.125 lb ai)	16 (0.250 lb ai)
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	8 (0.125 lb ai)	16 (0.250 lb ai)
Quackgrass (<i>Elytrigia repens</i>)			
First Application	4 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Repeat Application(s) (if regrowth occurs)	4 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Rhizome Johnsongrass (<i>Sorghum halepense</i>)			
First Application	12 to 24	8 (0.125 lb ai)	16 (0.250 lb ai)
Repeat Application(s) (if regrowth occurs)	6 to 18	6 (0.094 lb ai)	8 (0.125 lb ai)
Wirestem Muhly (<i>Muhlenbergia frondosa</i>)			
First Application	4 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)
Repeat Application(s) (if regrowth occurs)	4 to 8	8 (0.125 lb ai)	16 (0.250 lb ai)

¹8 fl. oz./A (0.125 lb ai/A) = approximately 0.2 fl. oz./1000 sq. ft.

²16 fl. oz./A (0.250 lb ai/A) = approximately 0.4 fl. oz./1000 sq. ft.

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

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep pesticide in original container. **DO NOT** put concentrate or dilute into food or drink containers. Store in a cool, dry place. **DO NOT** store diluted spray.

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

CONTAINER DISPOSAL: Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

(Nonrefillable \leq 5 gallons): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(Nonrefillable $>$ 5 gallons): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND DISCLAIMER

NOTICE: Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, 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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Tide International, USA, Inc. All such risks shall be assumed by the user or buyer.

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