



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

19713-741

Date of Issuance:

10/21/24

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

DREXEL CLETHODIM 1EC

Name and Address of Registrant (include ZIP Code):

Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327

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

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

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

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

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. You have 18 months from the date of registration to provide these data.

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Signature of Approving Official:

Heather McFarley, Product Manager 24
Fungicide & Herbicide Branch, Registration Division (7505T)

Date:

10/21/24

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 19713-741."
4. Submit one copy of the final printed label for the record before you release the product for shipment.

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

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 03/05/2024

If you have any questions, please contact Francisco Llarena-Arias at llarena-arias.francisco@epa.gov.

Enclosure:

- Stamped label

ACCEPTED

10/21/2024

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 19713-741

CLETHODIM GROUP 1 HERBICIDE

Drexel

Clethodim 1EC

Herbicide

ACTIVE INGREDIENT:

Clethodim* 12.6%

OTHER INGREDIENTS: 87.4%**TOTAL:** 100.0%

*(E)-2-[1-[[[(3-chloro-2-propenyl)oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one

Contains Petroleum Distillates

Drexel Clethodim 1EC is an emulsifiable concentrate containing 0.97 lb. Clethodim active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

[See FIRST AID Below]**[See Side (Back) Panel for FIRST AID];****[See Page ____ for FIRST AID]****[See Container Labeling for (FIRST AID and) Complete Directions for Use]****[See (Attached) Booklet (Container Labeling) for Complete Directions for Use]**

EPA Reg. No. 19713-XX

EPA Est. No. 19713-XX-X

Net Content:

_____ Gals. (____ L)

FIRST AID**IF SWALLOWED:**

- Immediately call a poison control center or doctor.
- **DO NOT** induce vomiting unless told to by a poison control center or doctor.
- **DO NOT** give any liquid to person.
- **DO NOT** give anything by mouth to an unconscious person.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For general information, call CHEMTREC at 1-800-424-9300. Or contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>.

NOTE TO PHYSICIAN: Contains petroleum distillate. Vomiting may cause aspiration pneumonia. If ingested, probable mucosal damage may contraindicate the use of gastric lavage.

Manufactured By:

Drexel Chemical Company

P.O. Box 13327, Memphis, TN 38113-0327

SINCE 1972

The DREXEL logo is a registered trademark of Drexel Chemical Company.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco or using toilet. 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 including Barrier Laminate, Butyl Rubber ≥ 14 mils, Nitrile Rubber ≥ 14 mils, Viton ≥ 14 mils, shoes plus socks and protective eyewear.

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

USER SAFETY REQUIREMENTS

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

USER SAFETY RECOMMENDATIONS

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

ENVIRONMENTAL HAZARDS

DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** apply where runoff is likely to occur. **DO NOT** apply where weather conditions favor drift from areas treated. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

NON-TARGET ORGANISM ADVISORY

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

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

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

Wild Rice: Hays County, Texas.

DO NOT discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT use or store near heat or open flame.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL AND PAMPHLET. 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, including plants, soil or water, is:

- Coveralls over short-sleeved shirt and short pants;
- Chemical-resistant gloves made of any waterproof material (nitrile rubber ≥ 14 mils, butyl rubber ≥ 14 mils, viton ≥ 14 mils, and / or barrier laminate);
- 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.

PRODUCT INFORMATION

Drexel Clethodim 1EC is a selective post-emergence herbicide for control of Annual and Perennial grasses. Drexel Clethodim 1EC does not control sedges or broadleaf weeds. Drexel Clethodim 1EC is a systemic herbicide which is translocated from the treated foliage to the growing points of the leaves, shoots and roots. Uptake into the plant is primarily through its leaves. Thorough coverage of the foliage is important for consistent grass control. The treated grass weeds show a reduction in vigor and growth. Early chlorosis / necrosis of younger plant tissue is followed by a progressive collapse of the remaining foliage. Depending on grass species treated and environmental conditions, symptoms will generally be observed in 7 to 14 days after application. Avoid contact of Drexel Clethodim 1EC with desirable Grass crops, such as Corn, Rice, Sorghum, Small grains, or Turf as these and other Grass crops will be injured or killed.

CROP INFORMATION

Drexel Clethodim 1EC is a selective post-emergence herbicide for control of Annual and Perennial grasses in labeled crops. Drexel Clethodim 1EC does not control sedges or broadleaf weeds.

RESTRICTIONS

- Refer to crop specific Directions for Use restrictions on:
 - Number of annual applications allowed per year
 - Maximum amount of product that may be applied per year
 - Maximum single application rates
- Application on Long Island, New York, is restricted to no more than 32 fluid ounces of Drexel Clethodim 1EC (0.25 lb. a.i.) per acre per year.
- **DO NOT** use on vegetable crops being grown for seed production unless specific use directions are provided in this table.
- **DO NOT** apply if rain is expected within 1 hour of application, as control may be unsatisfactory.
- **DO NOT** plant rotational crops until 30 days after application of Drexel Clethodim 1EC unless crop is listed on Drexel Clethodim 1EC label.
- **DO NOT** apply a post-emergence broadleaf herbicide within one day following application of Drexel Clethodim 1EC or reduced grass control may result.
- **DO NOT** apply under conditions of stress. Applying Drexel Clethodim 1EC under conditions that **DO NOT** promote active grass growth will reduce herbicide effectiveness. These conditions include drought, excessive water, extremes in temperature, low humidity and grasses either partially controlled or stunted from prior pesticide applications. Grasses under these kinds of stressful conditions will not absorb and translocate Drexel Clethodim 1EC effectively and will be less susceptible to herbicide activity.
- **DO NOT** allow Drexel Clethodim 1EC to contact 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.
- 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 Drexel Clethodim 1EC and broadleaf herbicides may result in reduced grass control. If grass regrowth occurs, an additional application of Drexel Clethodim 1EC may be necessary.

PRECAUTIONS

- Grass crops including Corn, Rice, Small grains, Sorghum or Turf, etc. are highly sensitive and may be injured or killed if they come in contact with Drexel Clethodim 1EC.
- Drift onto food, forage or other plantings may render them unfit for sale, use or consumption.
- Drexel Clethodim 1EC is not specified for use on vegetable crops being grown for seed production unless specific use directions are provided.
- Optimal Perennial grass control can be obtained if rhizomes or stolons are cut up by pre-plant 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, results in a very staggered, non-uniform weed emergence. Due to this non-uniform weed emergence, no fewer than two Drexel Clethodim 1EC applications per year are directed at the appropriate weed-growth stage rate under continuous no-till conditions.
- While all the vegetable crops on this label have been tested for crop safety with Drexel Clethodim 1EC, not all specialty varieties of these crops have been tested. Before applying Drexel Clethodim 1EC to specialty varieties of vegetable crops on this label, first apply to a small section of the field to evaluate potential injury. Injury symptoms may appear as leaf speckling or stunting.

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.

APPLICATION INFORMATION

Timing of Applications

Apply Drexel Clethodim 1EC post-emergence to actively growing grasses according to prescribed rates in the tables. Applications made to grass plants stressed by insufficient moisture, hot or cold temperatures, or to grass plants exceeding specified growth stages may result in unsatisfactory control. **Restriction: DO NOT** apply under these conditions.

In arid regions where irrigation is used to supplement limited rainfall, Drexel Clethodim 1EC must be applied, as soon as possible, after an irrigation (within 7 days). In arid regions, a second application of Drexel Clethodim 1EC 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 Drexel Clethodim 1EC may reduce weed control.

Ground Application

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

Applications to Garlic and Onions (Dry bulb. and Green), and Shallots (Dry bulb and Green) must be made in a minimum of 20 gallons of spray solution per acre.

Air Application

Use a minimum of 3 gallons of spray solution per acre unless otherwise directed in this label. Increase spray volumes up to 10 gallons as grass or crop foliage becomes dense. In California, air applications to Garlic or Onion must be made in a minimum of 20 gallons of spray solution per acre. In states other than California, air application to Garlic or Onion must be made in a minimum of 10 gallons of spray solution.

NOTE: Crop injury may occur when Drexel Clethodim 1EC is applied to Garlic or Onion with aerial equipment.

Spot Treatment

When using hand sprayers or high-volume sprayers utilizing hand guns, mix 0.333 to 1% (0.44 fl. oz. to 1.30 fl. oz./gal.) Drexel Clethodim 1EC and treat to wet vegetation, while not allowing runoff of spray solution. For uses requiring crop oil concentrate, include crop oil concentrate at 1% (1.30 fl. oz./gal.) by volume. For uses requiring non-ionic surfactant, include non-ionic surfactant at 0.25% (0.33 fl. oz./gal.) by volume.

Restriction: If Drexel Clethodim 1EC is applied as a spot treatment take care not to exceed the maximum rate allowed on a “per acre” basis or crop injury may occur.

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

May be applied to Onions and Garlic by sprinkler irrigation systems.

Apply Drexel Clethodim 1EC at the high rate prescribed for Annual grasses when the grass height is at the high 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 or non-ionic surfactant with at least 80% active ingredient at 0.25% v/v of total spray solution.

Apply Drexel Clethodim 1EC in 0.1 to 0.2 acre inch of water either at the end of a regular irrigation set or as a separate application not associated with a regular irrigation using the least amount of water that provides proper distribution and coverage. Application of more than label directed 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 Drexel Clethodim 1EC into the irrigation water at a constant flow. Constant agitation must be maintained in the chemical supply tank during the entire period of herbicide application. Inject the product with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing. Allow time for all lines to flush the herbicide through all nozzles before turning off irrigation water. To ensure the lines are flushed and free of remaining herbicide, a dye indicator may be injected into the lines to mark the end of the application period.

DO NOT apply 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.

Restrictions:

- **DO NOT** apply Drexel Clethodim 1EC by chemigation in the states of Idaho, Montana, Oregon and Washington.
- **DO NOT** apply by chemigation to any crop other than garlic, onions (dry bulb), or green onion.
- **DO NOT** use any other type of irrigation system to garlic, onion (dry bulb), or green onion.
- **DO NOT** apply Drexel Clethodim 1EC 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 Drexel Clethodim 1EC through any other type of irrigation system (i.e. Public Irrigation System).
- **DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.
- **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.
- Apply Drexel Clethodim 1EC only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, travelers, big gun, solid set or hand move.
- 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.
- A person knowledgeable of chemigation system and responsible for its operation or under supervision of the responsible person, must shut the system down and make all necessary adjustments.

Use Precautions

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

MANDATORY SPRAY DRIFT

Aerial Application

- **DO NOT** release spray at a height greater than 10 ft. above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a 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 one-half 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 mph 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 ft. above the ground or crop canopy. For all other ground applications, the nozzle must be no more than 3 ft. 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 mph 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 manufacturer's recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom

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

RELEASE HEIGHT – Aircraft

Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

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

TEMPERATURE AND HUMIDITY

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

TEMPERATURE INVERSIONS

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

HERBICIDE RESISTANCE MANAGEMENT

Drexel Clethodim 1EC is a Group 1 herbicide based on the mode of action classification system of the Weed Science Society of America and an Acetyl CoA Carboxylase inhibitor as classified by the Herbicide Resistant Action Committee (HRAC). Any weed population may contain or develop plants naturally resistant to Drexel Clethodim 1EC and other Group 1 herbicides. Weed species with natural or 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. Such resistant weed plants may not be effectively managed using Group 1 herbicides but may be effectively managed utilizing another herbicide alone or in mixtures from a different Group and/or by using cultural or mechanical practices. However, the herbicide mode of action classification by itself may not adequately address specific weeds that are resistant to specific herbicides.

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.

Fields should be scouted prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective.

Fields should be scouted after application to verify that the treatment was effective.

To delay herbicide resistance, consider using diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides:

- Avoid the consecutive use of Drexel Clethodim 1EC or other target site of action Group 1 herbicides that have a similar target site of action on the same weed species.
- Using tank-mixtures or pre-mixes 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 pre-mix rate on the weed(s) of concern.
- Base herbicide use on a comprehensive Integrated Pest Management (IPM) and Integrated Resistance Management (IRM) program.
- Use labeled rate and directions for use to delay selection for resistance.
- Monitor treated weed populations to facilitate the early identification of weeds shifts and/or weed resistance development (also provides direction on future weed management practices).
- Control escaped weeds by implementing measures to avoid allowing weeds to reproduce by seed or to proliferate vegetatively is one of the best ways to contain resistant populations.
- Contact your local extension specialist, certified crop advisor, 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 Drexel Clethodim 1EC against a particular weed species to your Drexel Chemical Company retailer, representative or call 901-774-4370. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemical means to remove escapes, as practical, with the goal of preventing further seed production.

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Alfalfa, Seedling	15 days before grazing, feeding or harvesting (cutting) for forage or hay	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1 qt./A or 1% v/v, but not less than 1 pt./A by air See tank-mix label for specific adjuvant directions.	2.5 to 4 lb./A	Restrictions • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 2 applications per acre per year.
Alfalfa, Established including: Sainfoin, Holy clover, Birdsfoot trefoil	15 days before grazing, feeding or harvesting (cutting) for forage or hay	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1 qt./A or 1% v/v, but not less than 1 pt./A by air. See tank-mix label for specific adjuvant directions.	2.5 to 4 lb./A	Restrictions • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • For Annual Grasses: DO NOT make more than 4 applications per acre per year. • For Perennial Grasses: DO NOT make more than 2 applications per acre per year.
Artichoke (Globe)	5 days	10 to 16 fl. oz. (0.076 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. DO NOT make more than 4 applications per acre per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
[Dried Shelled Pea and Bean (except Soybean) Subgroup 6C] Bean, Dry (except soybean) 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	9 to 16 fl. oz. ⁽⁵⁾ (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1 qt./A or 1% v/v, but not less than 1 pt./A by air.	2.5 to 4 lb.	1 to 2 qt./A of liquid fertilizer (28%N, 10-34-0 or 32%N) may be added to Drexel Clethodim 1EC applications Restrictions • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • For Annual Grasses: DO NOT make more than 4 applications at 16 fl. oz./A (0.121 lb. a.i./A) per year. • For Perennial Grasses: DO NOT make more than 2 applications at 32 fl. oz./A (0.242 lb. a.i./A) per year.
[Succulent Shelled Pea and Bean Subgroup 6B] Bean, Succulent Shelled including: Bean (<i>Phaseolus</i> spp.) Broad bean (succulent) Lima bean (green) Bean (<i>Vigna</i> spp.) Black-eyed pea Cowpea Southern pea	21 days	9 to 16 fl. oz. ⁽⁵⁾ (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1 qt./A or 1% v/v, but not less than 1 pt./A by air.	2.5 to 4 lb.	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 1 application per acre per year. • For Annual and Perennial Grasses: DO NOT make more than 1 application at 16 fl. oz./A (0.121 lb. a.i./A) per year. • For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 2 applications at 8 fl. oz./A (0.061 lb. a.i./A) per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Beet, Garden	30 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
Berry Low Growing (except Cranberry and Strawberry) [Subgroup 13-07G] including: Bearberry Bilberry Blueberry, lowbush Cloudberry Lingonberry Muntries Partridgeberry	45 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v	None	Verify Crop safety to Drexel Clethodim 1EC on a small area of the crop, at the desired Drexel Clethodim 1EC rate and with the same Non-ionic Surfactant (NIS) that will be used on the field. If no crop response is evident 7 days after treatment, Drexel Clethodim 1EC may be used on the entire field at the rate tested and with the same NIS used in the crop safety test. Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications.
Brassica Head and 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	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. DO NOT make more than 4 applications per acre per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
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 Shepherdspurse Cultivars, varieties, and hybrids of these commodities	14 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
Bushberry [Subgroup 13-07B] Bushberry 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, Saskatoon berry Native currant Salal Sea Buckthorn Cultivars, varieties and/or hybrids of these.	14 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
[Subgroup 13-07A] Caneberry including: Blackberry Loganberry Raspberry, Black Raspberry, Red Raspberry, Wild Cultivars, varieties and/or hybrids of these.	7 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Canola [including Rapeseed [Subgroup 20A], except Flax seed, Mustard seed and Sesame seed] (Not for use in California) Borage Crambe Cuphea Echium Gold of pleasure (Camelina) Hare's ear mustard Lesquerella Lunaria Meadowfoam Milkweed Oil radish Poppy seed Rapeseed (Canola) Sweet rocket	70 days	9 to 12 fl. oz. ⁽⁵⁾ (0.068 to 0.121 lb. a.i.)	12 fl. oz. (0.091 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Verify crop safety to Drexel Clethodim 1EC on a small area of the crop, at the desired Drexel Clethodim 1EC rate and with the same adjuvant that will be used on the field. If no crop response is evident 7 days after treatment, Drexel Clethodim 1EC may be used on the entire field at the rate tested and with the same adjuvant used in the crop safety test. Restrictions • DO NOT apply more than 12 fl. oz./A (0.091 lb. a.i./A) per application. • For Annual and Perennial Grasses: DO NOT make more than 1 application at 12 fl. oz./A (0.091 lb. a.i./A) per year. • For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 1 application at 8 fl. oz./A (0.061 lb. a.i./A) per year. • DO NOT apply after crop has begun bolting. Crop injury may occur when Drexel Clethodim 1EC is applied during the bloom period.
Carrot	30 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
Clover	15 days before grazing, feeding or harvesting (cutting) for forage or hay	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	2.5 to 4 lb./A	For use on Clover grown in the states of Idaho, Oregon and Washington only. Restrictions • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per year. • For Annual Grasses: DO NOT make more than 2 applications at 16 fl. oz./A (0.121 lb. a.i./A) per year. • For Perennial Grasses: DO NOT make more than 1 application at 32 fl. oz./A (0.242 lb. a.i./A) per year.
Corn, Field	90 days	6 fl. oz. (0.465 lb. a.i.)	-	Non-ionic Surfactant (NIS) at 0.25% v/v plus Ammonium Sulfate DO NOT use Crop Oil Concentrate or Methylated Seed Oil with Drexel Clethodim 1EC in this use pattern.	2.5 to 4 lb./A	To control existing stand, replant no sooner than 6 days after application. For burndown of existing stand of Glyphosate Resistant Field corn or volunteer Glyphosate Resistant Field corn prior to replanting Field corn. See DIRECTIONS FOR USE IN Glyphosate Resistant FIELD CORN (BURNDOWN) table. Restrictions • DO NOT apply more than 1 application per acre per year. • DO NOT apply more than 6 fl. oz./A (0.465 lb. a.i./A) per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Cotton (including Cotton grown for seed)	60 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, but not less than 1 pt./A by air See tank-mix label for specific adjuvant directions.	2.5 to 4 lb./A	Restrictions • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • For Annual Grasses: DO NOT make more than 4 applications at 16 fl. oz./A (0.121 lb. a.i./A) per year. • For Perennial Grasses: DO NOT make more than 2 applications at 32 fl. oz./A (0.242 lb. a.i./A) per year. • DO NOT graze treated fields or feed treated forage or hay to livestock.
Cranberry	30 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year. • DO NOT apply between the "hook" stage and full fruit set.
Fallow Land Conifer Trees (Table 2) Non-Crop or Non-Planted Areas	N/A	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	2.5 to 4 lb./A	Fallow Land refers to Annual and Perennial grasses in land that has been left to fallow the previous year. The following areas are considered non-crop or non-planted areas: Rights-of-way including railroads, highways, roads, dividers, medians, pipelines, public utility lines, pumping stations, transformer stations and substations. Around airports, electric utilities, commercial buildings, manufacturing plants, storage yards, rail yards, fence lines, parkways, and post-harvest croplands. Also beneath greenhouse benches and around golf courses. Precautions • Use a minimum spray volume of 5 gallons per acre for aerial applications and 15 gallons per acre 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 Drexel Clethodim 1EC 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 32 fl. oz./A (0.242 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • For Annual Grasses: DO NOT make more than 4 applications at 16 fl. oz./A (0.121 lb. a.i./A) per year. • For Perennial Grasses: DO NOT make more than 2 applications at 32 fl. oz./A (0.242 lb. a.i./A) 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 tollored, 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 application.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Flax (Not for use in California)	60 days	9 to 16 fl. oz. ⁽⁵⁾ (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Apply prior to bloom. Crop injury may occur when Drexel Clethodim 1EC is applied during the bloom period. Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per year. • For Annual and Perennial Grasses: DO NOT make more than 2 applications at 16 fl. oz./A (0.121 lb. a.i./A) per year. • For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 4 applications at 8 fl. oz./A (0.061 lb. a.i./A) per year.
Fruiting Vegetables (except Okra and Tomato) [Crop Group 8-10] including: African eggplant Bush tomato Bell pepper Cocona Currant tomato Eggplant Garden huckleberry Goji berry Groundcherry Martynia Naranjilla Pea eggplant Pepino Non-bell pepper; Roselle Scarlet eggplant Sunberry Tomatillo Tree tomato cultivars, varieties, and/or hybrids of these.	20 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
[Subgroup 19A] Herbs including: Angelica Balm Basil Borage Burnet Chamomile 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 Sweet bay Tansy Tarragon Thyme Wintergreen Woodruff Wormwood	14 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Drexel Clethodim 1EC has not been tested on all herbs, and herb varieties. It is the responsibility of the user to test Drexel Clethodim 1EC on a small portion of the crop to be treated before treating the entire field. Verify crop safety to Drexel Clethodim 1EC on a small area of the crop, at the desired Drexel Clethodim 1EC rate and with the same crop oil concentrate that will be used on the field. If no crop response is evident 7 days after treatment, Drexel Clethodim 1EC may be used on the entire field at the rate tested and with the same crop oil used in the crop safety test. Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
Hops	21 days	9 to 16 fl. oz. (0.06870 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
Leaf Lettuce	14 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
[Subgroup 22B] Leaf Petiole Vegetables[*] including: Cardoon Celery Celery, Chinese Fuki Rhubarb Udo Zuiki Cultivars, varieties, and hybrids of these commodities.	30 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
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, Garland Cilantro (fresh leaves) Corn Salad Cosmos Dandelion (leaves) Dang-gwi (leaves) Dillweed Dock Dol-nam-mul Ebolo Endive Escarole Fameflower Feather Cockscomb Good King Henry Huauzontle Jute (leaves) Lettuce, Bitter Lettuce, Head Lettuce, Leaf Orach Parsley (fresh leaves) Plantain, Buckhorn Primrose, English Purslane, Garden Purslane, Winter Radicchio Spinach Spinach, Malabar Spinach, New Zealand Spinach, Tanier Swiss chard Violet, Chinese (leaves) Cultivars, varieties and hybrids of these commodities	14 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Restrictions • DO NOT use on vegetable crops being grown for seed production unless specific use directions are provided in this table. • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Legume Vegetables, Edible Podded [Subgroup 6A] including: Bean <i>(Phaseolus spp.)</i> Runner Snap Wax Bean (<i>Vigna spp.</i>) Asparagus Chinese longbean Moth Yardlong Jackbean Edamame, Immature soybean Pea (<i>Pisum spp.</i>) Dwarf Edible-pod Snow Sugar snap Pigeon Sword bean	21 days	9 to 16 fl. oz. ⁽⁵⁾ (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	For Peas apply before bloom, but no later than 21 days before harvest. Refer to appropriate Table for reduced rate directions (NOT FOR USE IN CALIFORNIA) for the control of small Annual grasses. Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • DO NOT apply more than 1 application per acre per year. • DO NOT apply more than 0.121 lb. a.i./A per year.
Melon [Subgroup 9A] Citron melon Muskmelon (including Cantaloupe) Watermelon	14 days	9 to 16 fl. oz. ⁽⁵⁾ (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
Mustard Seed[*] (Not for use in California)	75 days	9 to 12 fl. oz. ⁽⁵⁾ (0.068 to 0.091 lb. a.i.)	12 fl. oz. (0.091 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Restrictions • DO NOT apply more than 12 fl. oz./A (0.091 lb. a.i./A) per year. • For Annual and Perennial Grasses: DO NOT make more than 1 application at 12 fl. oz./A (0.091 lb. a.i./A) per year. • For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 1 application at 8 fl. oz./A (0.061 lb. a.i./A) per year. • DO NOT apply after crop has begun bolting. Crop injury may occur when Drexel Clethodim 1EC is applied during the bloom period.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Non-Bearing Fruit and Nut Crops (Table 3)	N/A	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)		None	<p>Non-bearing fruit and nut crops are plants which will not bear fruit or nuts for at least one year following Drexel Clethodim 1EC application.</p> <p>Use of crop oil concentrate may injure flowers and foliage.</p> <p>Sugar maples cannot be tapped for syrup within one year of Drexel Clethodim 1EC application.</p> <p>For repeat application make on a minimum of a 14-day interval.</p> <p>Crop injury to non-bearing fruit and nut crops can occur if Drexel Clethodim 1EC is improperly applied. Drexel Clethodim 1EC must not be applied directly over the top of these plant types. Instead, direct spray at the base of the plant where grassy weeds are growing near the ground.</p> <p>Restrictions</p> <ul style="list-style-type: none"> • If Drexel Clethodim 1EC 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 exceed more than 0.37 fl. oz./1000 sq. ft. per single application. • DO NOT exceed more than 1.47 fl. oz./1000 sq. ft. per year. • Drexel Clethodim 1EC must not be applied to non-bearing fruit or nut crops which are grown for root stock. • DO NOT apply more than 16 fl. oz. (0.121 lb. a.i.) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 64 fl. oz. (0.485 lb. a.i.) per acre per year.
Okra[*]	3 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v	None	<p>Restrictions</p> <ul style="list-style-type: none"> • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Onions (Dry Bulbs Only) [Onion, bulb] [Subgroup 3-07A] 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	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Minimum of 20 gal./A spray volume by ground in entire U.S. Minimum of 20 gal./A spray volume by air in California. In states other than California, make all air applications to Onions or Garlic in a minimum of 10 gal./A. Restrictions <ul style="list-style-type: none"> • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per application. • When applying by air, DO NOT exceed 16 fl. oz./A (0.121 lb. a.i./A) in a single application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • For Annual Grasses: DO NOT make more than 4 applications at 16 fl. oz./A (0.121 lb. a.i./A) per year. • For Perennial Grasses: DO NOT make more than 2 applications at 32 fl. oz./A (0.242 lb. a.i./A) per year. • If Drexel Clethodim 1EC is applied as a spot treatment to Garlic or Onion crops, care must be taken to not exceed the maximum rate allowed on a "per acre" basis or crop injury may occur. • DO NOT exceed more than 0.37 fl. oz./1000 sq. ft. per single application. • DO NOT exceed more than 1.47 fl. oz./1000 sq. ft. per year. • In California, DO NOT apply Drexel Clethodim 1EC to Garlic or Onion until crop has at least two full leaves. Use a 14-day spray interval between the application of Drexel Clethodim 1EC and liquid nitrogen or other herbicide applications. Injury to crop may occur when shorter intervals are observed.
Onions, Green [Subgroup 3-07B] [*] including: Chive (fresh leaves) Chive, Chinese (fresh leaves) Elegans hosta Fritillaria (leaves) Kurrat Lady's leek Leek Leek, Wild Onion, Beltsville (bunching) Onion (fresh) Onion, Green Onion, Macrostem Onion, Tree (tops) Onion, Welsh (tops) Shallot (fresh leaves) Cultivars, varieties, and hybrids of these commodities.	14 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Minimum of 20 gal./A spray volume by air in California. In states other than California, make all air applications to Onions or Garlic in a minimum of 10 gal./A. Restrictions <ul style="list-style-type: none"> • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year. • If Drexel Clethodim 1EC is applied as a spot treatment to Onion crops, care must be taken to not exceed the maximum rate allowed on a "per acre" basis or crop injury may occur. In California, DO NOT apply Drexel Clethodim 1EC to onions until crop has at least two full leaves. Use a 14-day spray interval between the application of Drexel Clethodim 1EC and liquid nitrogen or other herbicide applications. Injury to crop may occur when shorter intervals are observed.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Ornamentals (See "DIRECTIONS FOR USE IN ORNAMENTALS" section for full list of crops)	N/A	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic surfactant (NIS) containing at least 80% active ingredient at (0.25% v/v)	None	For Ornamental plant uses, Drexel Clethodim 1EC can be used to control labeled grass weeds in greenhouses, lathouses, shadehouses, and around outdoor ornamentals, including nurseries, parks, roadside plantings, and structure landscapes. The plants listed below have been tested for crop safety with Drexel Clethodim 1EC. See tables with listed Ornamentals (ornamental trees, ground covers, garden flowers and plants, and shrubs). Use of crop oil concentrate may injure flowers and foliage. Restrictions <ul style="list-style-type: none"> • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • For repeat application make on a minimum of a 14-day interval. • For Annual Grasses: DO NOT make more than 4 applications at 16 fl. oz. (0.121 lb. a.i./A) per acre per year. DO NOT exceed 0.485 lb. a.i. (64 fl. oz.) per acre per year. • For Perennial Grass: DO NOT make more than 2 applications at 32 fl. oz. (0.242 lb. a.i./A) per acre per year. DO NOT exceed 0.485 lb. a.i. (64 fl. oz.) per acre per year. • DO NOT exceed more than 0.37 fl. oz./1000 sq. ft. per single application. • DO NOT exceed more than 1.47 fl. oz./1000 sq. ft. per year.
Dried Shelled Pea [Subgroup 6C] (<i>Pisum</i> spp.) including: Field Pigeon	30 days	9 to 16 fl. oz. ⁽⁵⁾ (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Apply before bloom but not later than 30 days prior to harvest. Applications of Drexel Clethodim 1EC to Peas during the bloom period could result in severe crop injury, including loss of yield and delayed maturity. Restrictions <ul style="list-style-type: none"> • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • DO NOT apply more than 1 application at 16 fl. oz./A (0.121 lb. a.i./A) per year. • For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 2 applications at 8 fl. oz./A (0.061 lb. a.i./A) per year.
Pea, Succulent Shelled (<i>Pisum</i> spp.) [Subgroup 6B] including: English pea Garden pea Green pea Pigeon pea	21 days	9 to 16 fl. oz. ⁽⁵⁾ (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in finished spray volume	None	Apply before bloom but not later than 21 days prior to harvest. Applications of Drexel Clethodim 1EC to Peas during the bloom period could result in severe crop injury, including loss of yield and delayed maturity. Restrictions <ul style="list-style-type: none"> • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • DO NOT apply more than 1 application at 16 fl. oz./A (0.121 lb. a.i./A) per year. • For Reduced Rate Control for Small Annual Grasses: DO NOT make more than 2 applications at 8 fl. oz./A (0.061 lb. a.i./A) per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Peanut (including Perennial)	40 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1 qt./A or 1% v/v	2.5 to 4 lb./A	Restrictions • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 2 applications per acre per year.
Peppermint and Spearmint Tops	21 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.251 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1 qt./A or 1%v/v	2.5 to 4 lb./A	Restrictions • DO NOT apply more than 32 fl. oz./A (0.251 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • For Annual Grasses: DO NOT make more than 4 applications at 16 fl. oz./A (0.121 lb. a.i./A) per year. • For Perennial Grasses: DO NOT make more than 2 applications at 32 fl. oz./A (0.242 lb. a.i./A) per year.
Pome Fruit [Crop Group 11-10] Including: Apple Azarole Crabapple Loquat Mayhaw Medlar Pear Pear, Asian Quince Quince, Chinese Quince, Japanese Tejocote	14 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
Potato	30 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in the finished spray volume	None	Restrictions • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 2 applications per acre per year.
Radish Radish (leaves)	15 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in the finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per year. • DO NOT make more than 2 applications per acre per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Root Vegetables [Subgroup 1A] (except Sugar beet and Radish) Burdock, Edible Celeriac Chervil, Turnip rooted Chicory Ginseng Parsley, Turnip rooted Parsnip Radish, Oriental Rutabaga Salsify Salsify, Black Salsify, Spanish Skirret Turnip	30 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in the finished spray volume	None	Restrictions • DO NOT use on crops being grown for seed production unless specific directions are provided in this label. • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
Safflower	70 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in the finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
Sesame	14 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in the finished spray volume	None	Restrictions • DO NOT apply during flowering. • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
Soybean	60 days	9 to 16 fl. oz. ⁽⁵⁾ (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1 qt./A or 1% v/v (but not less than 1 pt./A by air. See tank-mix label for specific adjuvant directions.	2.5 to 4 lb./A	See DREXEL CLETHODIM 1EC TANK-MIX WITH BROADLEAF HERBICIDES FOR THE CONTROL OF VOLUNTEER CORN (INCLUDING Glyphosate Resistant) IN SOYBEAN. Restrictions • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • For Annual Grasses: DO NOT make more than 4 applications at 16 fl. oz. (0.121 lb. a.i.) per acre per year. • For Perennial Grasses: DO NOT make more than 2 applications at 32 fl. oz. (0.242 lb. a.i.) per acre per year. DO NOT graze treated fields or feed treated forage or hay to livestock.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Squash/ Cucumber [Subgroup 9B] 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, Spaghettisquash)	14 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in the finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
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	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in the finished spray volume	None	Restrictions • DO NOT use on Vegetable crops being grown for seed production unless specific directions are provided in this table. • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Stevia (dried leaves)	14 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v	None	Drexel Clethodim 1EC has not been tested on all varieties. It is the responsibility of the user to test Drexel Clethodim 1EC on a small portion of the crop to be treated before treating the entire field. Verify crop safety to Drexel Clethodim 1EC on a small area of the crop, at the desired Drexel Clethodim 1EC rate and with the same Non-ionic Surfactant (NIS)/Adjuvant that will be used on the field. If no crop response is evident 7 days after treatment, Drexel Clethodim 1EC may be used on the entire field at the rate tested and with the same NIS used in the crop safety test. Restrictions <ul style="list-style-type: none"> • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
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	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v	None	Restrictions <ul style="list-style-type: none"> • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
Strawberry	4 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v, in the finished spray volume	None	Restrictions <ul style="list-style-type: none"> • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Sugar Beet	40 days	9 to 16 fl. oz. ⁽⁵⁾ (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1 qt./A or 1% v/v (but not less than 1 pt./A by air. See tank-mix label for specific adjuvant directions.	2.5 to 4 lb./A	Restrictions • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • For Annual Grasses: DO NOT make more than 4 applications at 16 fl. oz. (0.121 lb. a.i.) per acre per year. • For Perennial Grasses: DO NOT make more than 2 applications at 32 fl. oz. (0.242 lb. a.i.) per acre per year.
Sunflower [Subgroup 20B] including: Calendula Casteroil plant Chinese tallowtree Euphorbia Evening primrose Jojoba Niger seed Rose hip Stokes aster Tallowwood Tea oil plant Vernonia	70 days	9 to 16 fl. oz. ⁽⁵⁾ (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1 qt./A or 1% v/v but not less than 1 pt./A by air. See tank-mix label for specific adjuvant directions.	2.5 to 4 lb./A	Verify crop safety to Drexel Clethodim 1EC on a small area of the crop, at the desired Drexel Clethodim 1EC rate and with the same crop oil concentrate that will be used on the field. If no crop response is evident 7 days after treatment, Drexel Clethodim 1EC may be used on the entire field at the rate tested and with the same crop oil used in the crop safety test. Restrictions • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • For Annual Grasses: DO NOT make more than 4 applications at 16 fl. oz. (0.121 lb. a.i.) per acre per year. • For Perennial Grasses: DO NOT make more than 2 applications at 32 fl. oz. (0.242 lb. a.i.) per acre per year.
Tomato	20 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil or 1% v/v, in the finished spray volume	None	Restrictions • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • For Annual Grasses: DO NOT make more than 4 applications at 16 fl. oz. (0.121 lb. a.i.) per acre per year. • For Perennial Grasses: DO NOT make more than 2 applications at 32 fl. oz. (0.242 lb. a.i.) per acre per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
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 Ginkgo Guiana chestnut Hazelnut (Filbert) Heartnut Hickory nut Japanese Horse-chestnut Macadamia nut Mongongo nut Monkey-pot Monkey puzzle nut Okari nut Pachira nut Peach palm nut Pecan Pequi Pili nut Pine nut Pistachio Sapucaia nut Tropical almond Walnut, Black Walnut, English Yellowhorn Cultivars, varieties, and/or hybrids of these.	14 days	9 to 32 ^[**] fl. oz. (0.068 to 0.251 lb. a.i.)	12 to 32 ^[**] fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v in the finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year. • Aerial application for all Tree nuts is prohibited
Tuberous and Corm Vegetables Subgroup [Subgroup 1C] (except Potato) including: Sweet potato, Yam Artichoke Chinese Jersusalem Cassava Bitter Sweet Ginger	30 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v in the finished spray volume	None	Restrictions • DO NOT apply more than 32 fl. oz./A (0.242 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • For Annual Grasses: DO NOT make more than 4 applications at 16 fl. oz. (0.121 lb. a.i.) per acre per year. • For Perennial Grasses: DO NOT make more than 2 applications at 32 fl. oz. (0.242 lb. a.i.) per acre per year.

(Continued)

Table 1. CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC (Cont.)

Crops ⁽¹⁾	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre ⁽²⁾	Perennial Grass Use Rate Per Acre ⁽²⁾	Adjuvant Rates ⁽³⁾	Ammonium Sulfate Rates ⁽⁴⁾	Special Use Instructions And Restrictions
Turnip Greens	14 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1% v/v in the finished spray volume	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year.
Watercress ^[*]	30 days	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.)	Non-ionic Surfactant (NIS) at 0.25% v/v	None	Restrictions • DO NOT apply more than 16 fl. oz./A (0.121 lb. a.i./A) per application. • For repeat applications, make on a minimum of a 14-day interval. • DO NOT apply more than 64 fl. oz./A (0.485 lb. a.i./A) per year. • DO NOT make more than 4 applications per acre per year. • DO NOT apply when watercress is under flood conditions. • DO NOT apply Drexel Clethodim 1EC when water is in the field and hold water for at least 24 hours after an application.

N/A = Not Applicable

[*] Not for use in California

[**] [In California the maximum rate is 16 fl. oz./A (0.121 lb. a.i./A)]

⁽¹⁾ Drexel Clethodim 1EC is not for use on vegetable crops being grown for seed production unless specific use directions are provided.

⁽²⁾ See Annual and Perennial grass control tables for specific use rates.

⁽³⁾ Non-ionic surfactant (NIS) in this case refers to an adjuvant containing at least 80% non-ionic surfactant. Crop oil concentrate in this case refers to both crop oil concentrate and crop oil concentrate blends. Acceptable crop oil concentrates would be those that contain a minimum of 80% oils and 15% emulsifier. Acceptable crop oil concentrate blends would be those that contain a minimum of 60% oils and 25 to 40% surfactants and emulsifiers. 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.

⁽⁴⁾ Use spray grade ammonium sulfate. The use of ammonium sulfate does not take the place of the required adjuvant.

⁽⁵⁾ See **DIRECTIONS FOR REDUCED RATE USE TO CONTROL SMALL ANNUAL GRASSES** table.

⁽⁶⁾ For burndown of existing stand of Glyphosate Resistant field corn or volunteer Glyphosate Resistant field corn prior to replanting field corn. See **DIRECTIONS FOR USE IN GLYPHOSATE RESISTANT FIELD CORN (BURNDOWN)** table.

TABLE 2: CONIFER TREES

Drexel Clethodim 1EC can be used to control labeled grasses in Christmas tree farms, Conifer nurseries and Conifer plantations (but not in forests).

COMMON NAME	SCIENTIFIC NAME
Arborvitae, American	<i>Thuja occidentalis</i>
Cedars	<i>Cedrus</i> spp.
Cypress	<i>Taxodium</i> spp. <i>Pseudotsuga</i>
Fir, Douglas Firs	<i>menziesii</i> <i>Abies</i> spp.
Hemlock, Canadian/Eastern	<i>Tsuga canadensis</i> <i>Tsuga</i>
Hemlock, Western	<i>heterophylla</i> <i>Pinus</i> spp.
Pines	<i>Picea</i> spp.
Spruces	<i>Taxus</i> spp.
Yew	

TABLE 3: NON-BEARING FRUIT AND NUT CROPS

Common Name	Scientific Name
Apple Berry	<i>Malus</i> spp. <i>Vaccinium</i> spp.
	<i>Rubus</i> spp.
Cherry, Sweet Citrus	<i>Prunus avium</i> <i>Citrus</i> spp.
Fruits Grapes Olives	<i>Vitis</i> spp. <i>Olea</i> spp.
Peach Pears Prunes	<i>Prunus persica</i> <i>Pyrus</i>
Stone fruits Strawberries	<i>communis</i> <i>Prunus</i> spp.
Tree nuts	<i>Prunus</i> spp.
Almond Filbert Pecan	<i>Fragaria</i> spp.
Pistachio Walnut	<i>Prunus triloba</i> <i>Corylus</i>
	<i>maxima</i> <i>Carya illinoensis</i>
	<i>Pistacia vera</i> <i>Juglans</i> spp.

USE DIRECTIONS FOR ANNUAL GRASSES

ALL CROPS

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

Restrictions

- **DO NOT** exceed the maximum per application rate listed in **Table 1, CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC.**
- **DO NOT** exceed the maximum yearly rate listed in **Table 1, CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC.**

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT** (INCHES)	APPLICATION RATES	
			MINIMUM RATE FL. OZ./A	MAXIMUM RATE ⁽¹⁾ FL. OZ./A
Barnyardgrass	<i>Echinochloa crus-galli</i>	2 to 8	9 (0.068 lb. a.i.)	16 (0.121 lb. a.i.)
Broadleaf signalgrass	<i>Brachiaria platyphylla</i>	2 to 6	9	16
Brome				
California	<i>Bromus carinatus</i>	2 to 6	9	16
Cheat	<i>Bromus secalinus</i>	2 to 6	9	16
Downy	<i>Bromus tectorum</i>	2 to 6	9	16
Ripgut	<i>Bromus diandrus</i>	2 to 6	9	16
Canarygrass	<i>Phalaris canariensis</i>	1 to 4	9	16
Crabgrass				
Hairy	<i>Digitaria adscendens</i>	2 to 6***	9	16
Large	<i>Digitaria sanguinalis</i>	2 to 6***	9	16
Smooth	<i>Digitaria ischaemum</i>	2 to 6***	9	16
Southern	<i>Digitaria ciliaris</i>	2 to 6***	9	16
Crowfootgrass	<i>Dactyloctenium aegyptium</i>	2 to 6***	9	16
Fall panicum	<i>Panicum dichotomiflor</i>	2 to 8	9	16
Field sandbur	<i>Cenchrus incertus</i>	2 to 6	9	16
Foxtail				
Giant	<i>Setaria faberi</i>	2 to 12	9	16
Green	<i>Setaria viridis</i>	2 to 8	9	16
Yellow	<i>Setaria glauca</i>	2 to 8	9	16
Goosegrass	<i>Eleusine indica</i>	2 to 6***	9	16
Itchgrass	<i>Rottboellia cochinchinensis</i>	2 to 6	9	16
Junglerice	<i>Echinochloa colona</i>	2 to 6	9	16
Lovegrass (Stinkgrass)	<i>Eragrostis cilianensis</i>	2 to 6	9	16
Rabbitsfootgrass	<i>Polypogon monspeliensis</i>	1 to 4	9	16
Red rice	<i>Oryza sativa</i>	1 to 3	9	16
Ryegrass				
Hardy	<i>Lolium remotum</i>	2 to 6	9	16
Italian*	<i>Lolium multiflorum</i>	2 to 6	9	16
Seedling johnsongrass*	<i>Sorghum halepense</i>	4 to 10	9	16
Shattercane	<i>Sorghum bicolor</i>	6 to 18	9	16
Southwestern Cupgrass	<i>Eriochloa gracilis</i>	2 to 6	9	16
Sprangletop				
Amazon	<i>Leptochloa panicoides</i>	2 to 6	9	16
Bearded	<i>Leptochloa fascicularis</i>	2 to 6	9	16
Mexican	<i>Leptochloa uninervia</i>	2 to 6	9	16
Red	<i>Leptochloa filiformis</i>	2 to 6	9	16
Texas Panicum	<i>Panicum texanum</i>	2 to 6	9	16
Volunteer Cereals ⁽³⁾				
Barley	<i>Hordeum vulgare</i>	2 to 6	9	16
Oats	<i>Avena sativa</i>	2 to 6	9	16
Rye	<i>Secale cereale</i>	2 to 6	9	16
Wheat ⁽²⁾	<i>Triticum aestivum</i>	2 to 6	9 ⁽²⁾	16
Volunteer corn ^(2,3)	<i>Zea mays</i>	up to 12	6 (0.045 lb. a.i.)	12 (0.091 lb. a.i.)
Volunteer corn ⁽³⁾	<i>Zea mays</i>	up to 24	9	14 (0.106 lb. a.i.)
Volunteer corn ^(2,3)	<i>Zea mays</i>	up to 36	12 (0.091 lb. a.i.)	16
Volunteer grain sorghum	<i>Sorghum bicolor</i>	8 to 12	9	16
Wild oats	<i>Avena fatua</i>	2 to 6	9	16
Wild proso millet	<i>Panicum miliaceum</i>	2 to 10	9	16
Witchgrass	<i>Panicum capillare</i>	2 to 8	9	16
Woolly cupgrass	<i>Eriochloa villosa</i>	2 to 8	9	16

*Non-ACC resistant

**Generally occurs between 3 leaf stage and tillering.

***Length of lateral growth.

⁽¹⁾ Rates higher than 16 fl. oz./A (0.121 lb. a.i./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 16 to 32 fl. oz./A (0.121 to 0.242 lb. a.i./A) may be applied.

⁽²⁾ When a Cereal grain crop (including Wheat) is interseeded for crop establishment or is planted as wind breaks to aid crop establishment, the minimum Drexel Clethodim 1EC use rate for control is 12 fl. oz./A (0.091 lb. a.i./A).

⁽³⁾ Includes Glyphosate resistant, Glufosinate-resistant and Imidazolinone resistant volunteer corn; however not Sethoxydim-resistant volunteer corn.

USE DIRECTIONS FOR ANNUAL AND PERENNIAL GRASS CONTROL IN ESTABLISHED ALFALFA AND PEPPERMINT AND SPEARMINT TOPS WITH DREXEL CLETHODIM 1EC		
GRASS SPECIES	WEED SPECIES AND SIZE	APPLICATION RATES
Annual and Perennial Grasses Listed in Grass Tables	See Annual and Perennial Grass Tables	See Table 1, CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC
<p>Mowing: The best control of Annual grasses can be achieved by applying Drexel Clethodim 1EC 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 Drexel Clethodim 1EC for partial or complete control.</p> <p>Irrigated Alfalfa and Peppermint and Spearmint Tops: Irrigation practices can be very critical to the successful use of Drexel Clethodim 1EC in established Alfalfa and Peppermint and Spearmint and may be necessary to initiate active growth of the weeds prior to application. Generally applications 2 to 4 days after an irrigation are most effective. Irrigation made shortly after application (2 days) can be effective, but more consistent grass control occurs when the irrigation is made before the application.</p> <p>Aerial Application: Apply Drexel Clethodim 1EC in a minimum of 10 GPA in established Alfalfa and Peppermint and Spearmint when applying by air.</p> <p>Annual Grass Control: Apply Drexel Clethodim 1EC at the grass sizes indicated in the Directions for Annual Grass Table and rates indicated. If a grass has been cut, apply Drexel Clethodim 1EC after active growth has resumed and regrowth has reached the minimum height and before it reaches the maximum height indicated. Apply before the Alfalfa/Peppermint and Spearmint 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 Drexel Clethodim 1EC 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.</p> <p>Perennial Grass Control: Drexel Clethodim 1EC effectively controls Perennial grasses including Bermudagrass, Foxtail barley, Johnsongrass, Orchardgrass, Quackgrass, Tall fescue and Wirestem muhly. Due in part to lack of tillage, Perennial grasses are more difficult to control in a Perennial crop including established Alfalfa or Peppermint and Spearmint. A program of repeated applications is usually necessary for best results. The best way to control Perennial grasses is to do so in the year of stand establishment before rhizomes and stolons become large and difficult to kill.</p> <p>Use the high rate under heavy grass pressure and/or when grasses are at or near maximum height.</p>		

DIRECTIONS FOR REDUCED RATE USE TO CONTROL SMALL ANNUAL GRASSES CANOLA, FLAX, LEGUME VEGETABLES (DRY AND SUCCULENT), MUSTARD SEED, SOYBEAN, SUGAR BEET AND SUNFLOWER (REDUCED RATE DIRECTIONS NOT FOR USE IN CALIFORNIA)

- Apply only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- 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. PER ACRE ⁽¹⁾
Barnyardgrass	<i>Echinochloa crus-galli</i>	1 to 4	6 (0.045 lb. a.i.)
Broadleaf signalgrass	<i>Brachiaria platyphylla</i>	1 to 4	8 (0.061 lb. a.i.)
Crabgrass			
Large	<i>Digitaria sanguinalis</i>	1 to 3**	6
Large	<i>Digitaria sanguinalis</i>	1 to 4**	8
Smooth	<i>Digitaria ischaemum</i>	1 to 3**	6
Smooth	<i>Digitaria ischaemum</i>	1 to 4**	8
Southern	<i>Digitaria ciliar</i>	1 to 4**	8
Fall Panicum	<i>Panicum dichotomiflorum</i>	1 to 4	6
Foxtail			
Giant	<i>Setaria faberi</i>	1 to 4	6
Green	<i>Setaria viridis</i>	1 to 4	6
Millet	<i>Setaria italica</i>	1 to 4	8
Yellow	<i>Setaria glauca</i>	1 to 4	6
Seedling johnsongrass*	<i>Sorghum halepense</i>	1 to 6	8
Shattercane	<i>Sorghum bicolor</i>	4 to 10	6
Texas panicum	<i>Panicum texanum</i>	1 to 4	8
Volunteer cereals			
Barley	<i>Hordeum vulgare</i>	1 to 4	8
Oats	<i>Avena sativa</i>	1 to 4	8
Wheat	<i>Triticum aestivum</i>	1 to 4	8
Volunteer corn***	<i>Zea mays</i>	4 to 12	6
Wild proso millet	<i>Panicum miliaceum</i>	1 to 6	6
Wild oats	<i>Avena fatua</i>	1 to 4	8

*Non-ACC resistant

**Length of lateral growth

***Not S.R. Corn

⁽¹⁾Always add a non-ionic surfactant at 0.25% v/v total spray volume unless crop specific restrictions and limitations advise otherwise.

USE DIRECTIONS FOR PERENNIAL GRASSES**(ALL CROPS)**

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

Restrictions

- **DO NOT** exceed the maximum per application rate listed in **Table 1, CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC.**
- **DO NOT** exceed the maximum number of applications per year listed in Crop Specific Use Directions.
- **DO NOT** exceed the maximum yearly rate listed in **Table 1, CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC.**

GRASS SPECIES	WEED HEIGHT (INCHES)	APPLICATION RATE	
		MINIMUM RATE FL. OZ. PER ACRE	MAXIMUM RATE FL. OZ. PER ACRE
Bermudagrass (<i>Cynodon dactylon</i>) First Application	3 (or up to 6" runners)	12 (0.091 lb. a.i.)	32 (0.242 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	12	32
Fescue, Tall (<i>Festuca arundinacea</i>) First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
Foxtail barley (<i>Hordeum jubatum</i>) First Application	2 to 6	12	32
Repeat Application (if regrowth occurs)	2 to 6	12	32
Orchardgrass (<i>Dactylis glomerata</i>) First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
Quackgrass (<i>Elytrigia repens</i>) First Application	4 to 12	12	32
Repeat Application(s) (if regrowth occurs)	4 to 12	12	32
Rhizome Johnsongrass* (<i>Sorghum halepense</i>) First Application	12 to 24	12	32
Repeat Application(s) (if regrowth occurs)	6 to 18	9 (0.061 lb. a.i.)	24 (0.182 lb. a.i.)
Wirestem Muhly (<i>Muhlenbergia frondosa</i>) First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
Perennial Bluegrass [Roughstalk (<i>Poa trivialis</i>)] [Kentucky (<i>Poa pratensis</i>)] First Application	2 to 4	12	32
Repeat Application(s)	2 to 4	12	32
Bentgrass (<i>Agrostis</i> spp.) First Application	2 to 4	-	32
Repeat Application(s) (if regrowth occurs)	2 to 4	-	32

*Non-ACC resistant

USE DIRECTIONS FOR ANNUAL BLUEGRASS CONTROL WITH DREXEL CLETHODIM 1EC
ALL CROPS

GRASS SPECIES	WEED STAGE	APPLICATION RATES	
		MINIMUM RATE FL. OZ. PER ACRE	MAXIMUM RATE FL. OZ. PER ACRE
Annual bluegrass (<i>Poa annua</i>)	to 4 leaf	12* (0.091 lb. a.i.)	***

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.

See **Table 1** for crop specific adjuvant rates.

*Use a minimum of 17 fl. oz./A (0.129 lb. a.i./A) to control Annual bluegrass in seedling and established Alfalfa, Peppermint and Spearmint.

**Always add a Crop Oil concentrate at 1 qt. per acre by ground to the finished spray volume.

***See Special Use Instructions and Restrictions in **Table 1, CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC**, for maximum application rates.

USE DIRECTIONS FOR USE IN GLYPHOSATE RESISTANT FIELD CORN (BURNDOWN)

GRASS SPECIES	WEED STAGE (Inches)	APPLICATION RATES
		RATE WHEN APPLIED ALONE OR WITH GLYPHOSATE
Field Corn	Up to 12	6 fl. oz./A (0.045 lb. a.i./A)

For control of existing stand of Glyphosate Resistant Field corn or volunteer Glyphosate Resistant Field corn prior to replanting Field corn. Care must be taken to avoid in field boom (spray) overlaps or excessive crop injury may occur. Replant no sooner than 6 days after application.

Adjuvant rates: Non-ionic Surfactant (NIS) at 0.25% v/v plus AMS at 2.5 to 4 lb./A.

- **Restriction: DO NOT** use a COC or MSO with Drexel Clethodim 1 EC in this use pattern.

TANK-MIX - LABEL INFORMATION

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

1. Geographic restrictions - all products are not registered for use in all areas and rates may vary from one region of labeled use to another;
2. Crop rotation restrictions;
3. Applicator certification requirements;
4. Worker safety rules (e.g. protective clothing, reentry time, posting);
5. Soil type or soil characteristics (e.g. pH, OM);
6. Maximum dosage or number of applications per year;
7. Rain free period required; or
8. Application timing (e.g. pre-harvest interval)
9. **Restriction: DO NOT** exceed the total yearly rates.

TANK-MIX APPLICATION OF DREXEL CLETHODIM 1EC AND BROADLEAF HERBICIDES FOR CONTROL OF GRASSES AND BROADLEAF WEEDS

- Apply only to actively growing grass and specified height or growth stage listed on each label.
- Apply when the first grass or broadleaf weed species in a mixed population reaches the specified height or growth stage for treatment.
- Apply under favorable soil moisture and humidity that exist a few days after rainfall or within seven days after irrigation.
- Always add the appropriate adjuvant to the spray mix at the labeled rate 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 Drexel Clethodim 1EC, as specified in the respective size and rate tables.
- **Restriction: DO NOT** tank-mix Drexel Clethodim 1EC when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.

MIXING INSTRUCTIONS

1. Fill clean spray tank one-half to two-thirds of desired level with clean water.
2. While agitating, add the correct amount of Drexel Clethodim 1EC. Agitation will create a rippling or rolling action on the water surface.
3. If tank-mixing Drexel Clethodim 1EC 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 to agitate 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 with a jar test.

INFORMATION ON ANTAGONISM

Tank-mixes of Drexel Clethodim 1EC with post-emergence broadleaf herbicides have shown some reduction or failure to control certain grass species which would have otherwise been controlled when Drexel Clethodim 1EC is applied alone. Activity of the post-emergence broadleaf herbicide in the tank-mix is not affected.

ALFALFA

Table 4. DREXEL CLETHODIM 1EC TANK-MIXES WITH BROADLEAF HERBICIDES FOR ALFALFA (Refer to the use directions tables above for specific grasses and growth stages.)

Product ⁽¹⁾	Application Rates Per Acre ⁽²⁾		Spray Additives			
	Annual Grasses	Perennial Grasses	Ground Application		Air Application	
			Adjuvant Rates	AMS	Adjuvant Rates	AMS
Drexel Clethodim 1EC + 2,4-DB ⁽³⁾	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.) + Refer to 2,4-DB label	16 to 32 fl. oz. (0.121 to 0.242 lb. a.i.) + Refer to 2,4-DB label	NIS at 0.25% v/v	AMS at 2.5 lb./A	NIS at 0.25% v/v	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + (Imazethapyr)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.) + Refer to Imazethapyr labels for use rates	-	NIS at 0.25% v/v	AMS at 2.5 lb./A	NIS at 0.25% v/v	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + (Bromoxynil)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.) + Refer to Bromoxynil label for use rate.	-	NIS at 0.25% v/v	AMS at 2.5 lb./A	NIS at 0.25% v/v	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + (Imazamox)	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.) + Refer to Imazamox label for use rate.	-	NIS at 0.25% v/v	AMS at 2.5 lb./A	NIS at 0.25% v/v	17 lb./100 gal. of spray solution

⁽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. Tank-mixing is not advised in these situations.

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

⁽³⁾ Drexel Clethodim 1EC plus 2,4-DB may increase the severity of crop injury when tank-mixed. Alfalfa plants will generally outgrow this temporary crop injury within a few weeks.

⁽⁴⁾ Before 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.

Restriction: DO NOT feed, graze or harvest Alfalfa for 30 days following an application of Imazethapyr to Alfalfa.

⁽⁵⁾ In the states of Washington, Oregon, Idaho, Montana, Wyoming, Colorado, Utah, Nevada and the western halves of North Dakota, South Dakota, Nebraska and Kansas: The Drexel Clethodim 1EC 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 trifoliolate leaves. Unacceptable crop injury may occur to Alfalfa seedlings less than the 2 trifoliolate leaf stage.

⁽⁶⁾ Drexel Clethodim 1EC 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 not listed above, apply in the Fall or Spring to seedling Alfalfa when the majority of the field has a minimum of 4 trifoliolate leaves. 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. Drexel Clethodim 1EC 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 Drexel Clethodim 1EC plus Bromoxynil application. Warm, humid conditions may enhance leaf burn. New crop growth will not be affected.

⁽⁷⁾ **Restriction: DO NOT** apply when Alfalfa is under moisture, temperature, insect or disease stress or has been stressed by other pesticide carryover or application.

USE DIRECTIONS FOR BUSHBERRY, CANEBERRY, POME FRUIT AND STONE FRUIT

Apply Drexel Clethodim 1EC post-emergence to actively growing grasses according to prescribed rates in **Table 1, CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS FOR DREXEL CLETHODIM 1EC**. Crop injury to Bushberry, Caneberry, Pome fruit and Stone fruit can occur if Drexel Clethodim 1EC is improperly applied.

Drexel Clethodim 1EC must not be applied directly over the top of these plant types. Instead, spray must be directed at the base of the plant where grassy weeds are growing near the ground.

Restriction: DO NOT apply Drexel Clethodim 1EC to Bushberry, Caneberry, Pome fruit or Stone fruit grown for root stock.

Non-bearing fruit and nut crops are plants which will not bear fruit or nuts for at least one year following Drexel Clethodim 1EC application.

CANOLA (EXCEPT FLAX)

[Rapeseed Subgroup 20A (except Flax seed, Mustard seed and Sesame seed)]

Table 5. REDUCED RATE DREXEL CLETHODIM 1EC TANK-MIXES WITH BROADLEAF HERBICIDES

(Refer to the use directions tables above for specific grasses and growth stages.)

PRODUCT	APPLICATION RATES / ACRE	ADJUVANT RATES	AMMONIUM SULFATE	
	ANNUAL GRASSES ⁽¹⁾		GROUND	AIR
Drexel Clethodim 1EC ⁽²⁾ + Glufosinate ⁽³⁾	8 to 10 fl. oz. (0.061 to 0.076 lb. a.i.) + Refer to Glufosinate label for use rate.	NIS at 0.25% v/v	3 lb./A	3 lb./A
Drexel Clethodim 1EC ⁽²⁾ + Clopyralid ⁽⁴⁾	8 to 10 fl. oz. (0.061 to 0.076 lb. a.i.) + Refer to Clopyralid label for use rate.	NIS at 0.25% v/v	3 lb./A	3 lb./A

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

⁽²⁾ **Restriction: DO NOT** apply Drexel Clethodim 1EC tank-mix during or after bolting or flowering or crop injury will occur.

⁽³⁾ For use only on Glufosinate resistant Canola.

⁽⁴⁾ See Clopyralid label for weeds controlled.

COTTON

(Including Cotton grown for seed)

Table 6. DREXEL CLETHODIM 1EC TANK-MIXED WITH LACTOFEN HERBICIDE AND MSMA APPLIED POST DIRECTED TO COTTON

PRODUCT ⁽¹⁾	APPLICATION RATES PER ACRE ⁽²⁾		CROP OIL CONCENTRATE ⁽³⁾ V/V	SPECIFIC USE INSTRUCTIONS
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	
Drexel Clethodim 1EC ⁽⁴⁾ + Lactofen (lactofen) + or MSMA (6.6 lb./gal.)	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.) See Lactofen label for rates to control broadleaf weeds and height limitations for Cotton. Refer to the Drexel Clethodim 1EC label for weed height and species controlled. See MSMA label for rates to control broadleaf weeds and height limitations for Cotton. Refer to the Drexel Clethodim 1EC label for weed height and species controlled.	16 to 32 fl. oz. (0.121 to 0.242 lb. a.i.)	1%	Reduce broadcast rate in proportion to the band area actually treated.

⁽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. Tank-mixing is not advised in these situations.

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

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

⁽⁴⁾ If at the time of application, grass height is so tall that post-directed applications cannot get good coverage over the top of the grassy weeds, then poor control may result and a second (non-post directed) application of Drexel Clethodim 1EC may be necessary.

Table 7. DREXEL CLETHODIM 1EC TANK-MIXED WITH GLYPHOSATE TO CONTROL EMERGED GRASSES IN COTTON AS A BROADCAST APPLICATION

Product	Application Rate Per Acre ⁽¹⁾		Adjuvant		Specific Use Instructions
	Annual Grasses	Perennial Grasses	Glyphosate formulation with built In adjuvant	Glyphosate formulation without built in adjuvant	
Drexel Clethodim 1EC + Glyphosate	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.) See Glyphosate label for rates to control broadleaf weeds and height limitations for Cotton.	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.)	Ammonium sulfate at 8.5 to 17 lb. per 100 gal. of carrier plus Glyphosate label adjuvant specification.	Ammonium sulfate at 8.5 to 17 lb. per 100 gal. of carrier plus Non-ionic Surfactant (NIS) at 0.25% v/v.	See charts for grasses controlled. Use a minimum of 10 gal. of spray solution per acre.

⁽¹⁾ If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Drexel Clethodim 1EC at the prescribed rate with the appropriate amount of crop oil.

DRY AND SUCCULENT SHELLED BEANS

[Succulent Shelled Pea and Bean Subgroup 6B]

[Dried Shelled Pea and Bean (except Soybean 6C)]

Table 8. DREXEL CLETHODIM 1EC TANK-MIXES WITH BROADLEAF HERBICIDES FOR DRY AND SUCCULENT SHELLED BEANS
(Refer to the use directions tables above for specific grasses and growth stages.)

PRODUCT ⁽¹⁾	APPLICATION RATES PER ACRE ⁽²⁾		ADJUVANT	
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	AIR
Drexel Clethodim 1EC + Bentazon	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Bentazon label for use rate.	12 to 24 fl. oz. (0.091 to 0.182 lb. a.i.) + Refer to Bentazon label for use rate.	COC at 1% v/v + AMS at 2.5 lb./A	COC at 1% v/v + AMS at 17 lb./100 gal. v/v
Drexel Clethodim 1EC + Imazamox	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Imazamox label for use rate.	-	NIS at 0.25% v/v + AMS at 2.5 lb./A	NIS at 0.25% v/v + AMS at 17 lb./100 gal.

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

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

FLAX (Not For Use In California)

Table 9. REDUCED RATE DREXEL CLETHODIM 1EC TANK-MIXES WITH BROADLEAF HERBICIDES FOR FLAX

(Refer to the use directions tables above for specific grasses and growth stages.)

PRODUCT	APPLICATION RATES/ACRE	ADJUVANT	
	ANNUAL GRASSES ⁽¹⁾	GROUND	AIR
Drexel Clethodim 1EC + (Bromoxynil/MCPA) ^(2, 3)	6 to 10 fl. oz. (0.045 to 0.076 lb. a.i.) + Refer to Bromoxynil/MCPA label for use rate.	AMS at 2.4 to 4.0 lb./A + NIS at 0.125% v/v	AMS at 2.5 to 4.0 lb./A
Drexel Clethodim 1EC + (Bromoxynil) ^(2, 3)	6 to 10 fl. oz. (0.045 to 0.076 lb. a.i.) + Refer to Bromoxynil label for use rate.	AMS at 2.4 to 4.0 lb./A + NIS at 0.125% v/v	AMS at 2.5 to 4.0 lb./A
Drexel Clethodim 1EC + MCPA ^(2, 3)	8 to 10 fl. oz. (0.061 to 0.076 lb. a.i.) + Refer to MCPA label for use rate.	AMS at 2.4 to 4.0 lb./A + NIS at 0.125% v/v	AMS at 2.5 to 4.0 lb./A
Drexel Clethodim 1EC + Clopyralid ^(2, 3) /MCPA refer to label for rate	6 to 10 fl. oz. (0.045 to 0.076 lb. a.i.) + (Clopyralid/MCPA) Refer to label for use rate.	AMS at 2.4 to 4.0 lb./A + NIS at 0.125% v/v	AMS at 2.5 to 4.0 lb./A

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

⁽²⁾ Restriction: DO NOT apply Drexel Clethodim 1EC tank-mix during or after the bud stage or to Ornamental flax or crop injury may occur.

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

PEANUT

Table 10. DREXEL CLETHODIM 1EC TANK-MIXES WITH BROADLEAF HERBICIDES FOR PEANUT

(Refer to the use directions tables above for specific grasses and growth stages.)

PRODUCT ⁽¹⁾	APPLICATION RATES/ACRE ⁽²⁾	ADJUVANT RATES	
	ANNUAL GRASSES	GROUND	AIR
Drexel Clethodim 1EC + Bentazon	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.) + Refer to Bentazon label for use rate.	COC at 1% v/v + AMS at 2.5 lb./A	COC at 1% v/v + AMS at 17 lb./100 gal.
Drexel Clethodim 1EC + (Sodium acifluorfen)	9 to 16 fl. oz. (0.068 to 0.121 lb. a.i.) + Refer to Sodium acifluorfen label for use rate.	COC at 1% v/v + AMS at 2.5 lb./A	COC at 1% v/v + AMS at 17 lb./100 gal.

⁽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. Tank-mixing is not advised in these situations.

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

USE DIRECTIONS FOR GRASS SUPPRESSION FOR HARVEST EFFICIENCY IN PEANUT WITH DREXEL CLETHODIM 1EC			
GRASS SPECIES	WEED STAGE	APPLICATION RATES	
		MINIMUM RATE Fl. Oz. / A	MAXIMUM RATE Fl. Oz. / A
Annual and Perennial grasses that exceed height claimed for control on height charts DIRECTIONS FOR ANNUAL GRASSES and DIRECTIONS FOR PERENNIAL GRASSES	Up to and including grasses in the seed head stage	32 (0.242 lb. a.i.)	64 (0.485 lb. a.i.)
<ul style="list-style-type: none"> • Restriction: DO NOT apply as part of a tank-mix when applying Drexel Clethodim 1EC for grass suppression. • Add a crop oil concentrate at 1 qt./A by ground to the finished spray volume. 			

SOYBEAN

Table 11. DREXEL CLETHODIM 1EC TANK-MIX WITH BROADLEAF HERBICIDES FOR THE CONTROL OF VOLUNTEER CORN (INCLUDING GLYPHOSATE RESISTANT) IN SOYBEAN

(Refer to the use directions tables above for specific Volunteer corn sizes and use rates.)

PRODUCT	WEED SIZE AND APPLICATION RATES		SPRAY ADDITIVES			
	VOLUNTEER CORN HEIGHT (inches)	DREXEL CLETHODIM 1EC RATES/ACRE	GROUND APPLICATION		AIR APPLICATION	
			NIS	AMS	NIS	AMS
Drexel Clethodim 1EC + Glyphosate ^(1,2,3) Refer to Glyphosate label for use rate. (Glyphosate Resistant Soybeans only)	Up to 12 Up to 24 Up to 36	6 fl. oz. (0.045 lb. a.i.) 9 fl. oz. (0.068 lb. a.i.) 12 fl. oz. (0.091 lb. a.i.)	Adjuvant Loaded Glyphosate: None Required Adjuvant Unloaded Glyphosate: NIS at 0.25% v/v	8.5 to 17 lb./100 gal. of spray solution	Adjuvant Loaded Glyphosate: None Required Adjuvant Unloaded Glyphosate: NIS at 0.25% v/v	8.5 to 17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Cloransulam Refer to Cloransulam label for use rate.	Up to 12 Up to 24 Up to 36	6 fl. oz. (0.045 lb. a.i.) 9 fl. oz. (0.068 lb. a.i.) 12 fl. oz. (0.091 lb. a.i.)	NIS at 0.25% v/v	AMS at 2.5 lb./A	NIS at 0.25% v/v	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Imazethapyr Refer to Imazethapyr label for use rate.	Up to 12 Up to 24 Up to 36	6 fl. oz. (0.045 lb. a.i.) 9 fl. oz. (0.068 lb. a.i.) 12 fl. oz. (0.091 lb. a.i.)	NIS at 0.25% v/v	AMS at 2.5 lb./A	NIS at 0.25% v/v	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Imazamox Refer to Imazamox label for use rate.	Up to 12 Up to 24 Up to 36	6 fl. oz. (0.045 lb. a.i.) 9 fl. oz. (0.068 lb. a.i.) 12 fl. oz. (0.091 lb. a.i.)	NIS at 0.25% v/v	AMS at 2.5 lb./A	NIS at 0.25% v/v	17 lb./100 gal. of spray solution

⁽¹⁾ This tank-mix may be applied post-emergence to Glyphosate resistant Soybeans up through the full flowering stage. **Restriction: DO NOT** apply less than 60 days before harvest.

⁽²⁾ Avoid contact with foliage, green stems or fruit crops or any desirable plants and trees, other than Soybeans with the Glyphosate resistant gene as severe plant injury or death will result.

⁽³⁾ **Restriction: DO NOT** allow the Drexel Clethodim 1EC plus Glyphosate 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 Drexel Clethodim 1EC 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.

⁽⁴⁾ Add a crop oil concentrate at 1 qt./A by ground to the finished spray volume where appropriate.

Table 12. DREXEL CLETHODIM 1EC TANK-MIXES WITH BROADLEAF HERBICIDES FOR SOYBEAN
(Refer to the use directions tables above for specific grasses and growth stages.)

PRODUCT ⁽¹⁾	APPLICATION RATES/ACRE ⁽²⁾	SPRAY ADDITIVE RATES			
	ANNUAL GRASSES ⁽³⁾	GROUND APPLICATION		AIR APPLICATION	
		COC/NIS ⁽⁴⁾	AMS	COC/NIS ⁽⁴⁾	AMS
Drexel Clethodim 1EC + Lactofen	9 to 20 fl. oz. (0.068 to 0.151 lb. a.i.) + Refer to Lactofen label for use rate.	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1 to 2 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Cloransulam ⁽⁵⁾	9 to 20 fl. oz. (0.068 to 0.151 lb. a.i.) + Refer to Cloransulam label for use rate.	NIS at 0.25% v/v or COC at 1 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Fomesafen ⁽⁵⁾	9 to 20 fl. oz. (0.068 to 0.151 lb. a.i.) + Refer to Fomesafen label for use rate.	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1 to 2 pt./A	AMS at 2.5 lb./A	NIS at 0.25% plus COC at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Thifensulfuron-methyl ⁽⁵⁾	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Thifensulfuron label for use rate.	Nis at 0.125 to 0.25% v/v	AMS at 2.5 lb./A	-	-
Drexel Clethodim 1EC + Imazethapyr DG ⁽⁵⁾	12 to 20 fl. oz. (0.091 to 0.151 lb. a.i.) + Refer to DG label for use rate.	NIS at 0.25% v/v or COC at 1 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Imazamox ⁽⁵⁾	12 to 20 fl. oz. (0.091 to 0.151 lb. a.i.) + Refer to Imazamox label for use rate.	NIS at 0.25% v/v or COC at 1 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Flumiclorac	9 to 20 fl. oz. (0.068 to 0.151 lb. a.i.) + Refer to Flumiclorac label for use rate.	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1 to 2 pt./A	AMS at 2.5 lb./A	-	-
Drexel Clethodim 1EC + Lactofen + Cloansulam ⁽⁵⁾	9 to 20 fl. oz. (0.068 to 0.151 lb. a.i.) + Refer to Lactofen label for use rate. + Refer to Cloansulam label use rate.	NIS at 0.25% v/v plus COC at 1.25 to 0.25% v/v or COC at 1 to 2 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Cloansulam + Fomesafen ⁽⁵⁾	9 to 20 fl. oz. (0.068 to 0.151 lb. a.i.) + Refer to Cloransulam and Fomesafen labels for use rates.	NIS at 0.25% v/v plus COC at 0.25% v/v or Equivalent blended product or COC at 1 to 2 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Lactofen + Cloansulam ⁽⁵⁾	12 to 20 fl. oz. (0.068 to 0.151 lb. a.i.) + Refer to Lactofen label for use rate. + Refer to Cloansulam label use rate.	NIS at 0.25% v/v plus COC at 1.25 to 0.25% v/v or COC at 1 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Lactofen + Thifensulfuron-methyl ⁽⁵⁾	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Lactofen label for use rate. + Refer to Thifensulfuron-methyl label for use rate.	NIS at 0.125 to 0.25% v/v plus COC at 0.125% v/v	AMS at 2.5 lb./A	-	-

(Continued)

Table 12. DREXEL CLETHODIM 1EC TANK-MIXES WITH BROADLEAF HERBICIDES FOR SOYBEAN (Cont.)

PRODUCT ⁽¹⁾	APPLICATION RATES PER ACRE ⁽²⁾	SPRAY ADDITIVE RATES			
		GROUND APPLICATION		AIR APPLICATION	
	ANNUAL GRASSES ⁽³⁾	COC/NIS ⁽⁴⁾	AMS	COC/NIS ⁽⁴⁾	AMS
Drexel Clethodim 1EC + Lactofen + Imazethapyr DG ⁽⁵⁾	12 to 20 fl. oz. (0.091 to 0.151 lb. a.i.) + Refer to Lactofen label for use rate. + Refer to Imazethapyr DG label for use rate.	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1 to 2 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Lactofen + Imazamox ⁽⁵⁾	12 to 20 fl. oz. (0.091 to 0.151 lb. a.i.) + Refer to Lactofen label for use rate. + Refer to Imazamox label for use rate.	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1 to 2 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Lactofen + Flumiclorac	9 to 20 fl. oz. (0.068 to 0.151 lb. a.i.) + Refer to Lactofen label for use rate. + Refer to Flumiclorac label for use rate.	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1 to 2 pt./A	AMS at 2.5 lb./A	-	-
Drexel Clethodim 1EC + Cloransulam + Fomesafen ⁽⁵⁾	9 to 20 fl. oz. (0.068 to 0.151 lb. a.i.) + Refer to Cloransulam and Fomesafen labels for use rates.	NIS at 0.25% v/v plus COC at 0.25% v/v or Equivalent blended product or COC at 1 to 2 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Lactofen + Cloransulam ⁽⁵⁾	12 to 20 fl. oz. (0.091 to 0.151 lb. a.i.) + Refer to Lactofen and Cloransulam labels for use rates.	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Lactofen + Imazamox ⁽⁵⁾	12 to 20 fl. oz. (0.091 to 0.151 lb. a.i.) + Refer to Imazamox (1 AS) labels for use rate.	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Chlorimuron + Thifensulfuron ⁽⁵⁾	12 to 20 fl. oz. (0.091 to 0.151 lb. a.i.) + Refer to Chlorimuron + Thifensulfuron label for use rate.	NIS at 0.25% v/v or COC at 1 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + (Chlorimuron + Thifensulfuron) ⁽⁵⁾ (STS Soybeans Only)	12 to 20 fl. oz. (0.091 to 0.151 lb. a.i.) + Refer to Chlorimuron + Thifensulfuron (STS Soybeans Only) label for use rate.	NIS at 0.25% v/v or COC at 1 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Lactofen + Flumiclorac + Cloransulam ⁽⁵⁾	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Lactofen label for use rate. + Refer to Flumiclorac label for use rate. + Refer to Cloransulam label for use rate.	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1 to 2 pt./A	AMS at 2.5 lb./A	-	-

(Continued)

Table 12. DREXEL CLETHODIM 1EC TANK-MIXES WITH BROADLEAF HERBICIDES FOR SOYBEAN (Cont.)

PRODUCT ⁽¹⁾	APPLICATION RATES PER ACRE ⁽²⁾	SPRAY ADDITIVE RATES			
		GROUND APPLICATION		AIR APPLICATION	
	ANNUAL GRASSES ⁽³⁾	COC/NIS ⁽⁴⁾	AMS	COC/NIS ⁽⁴⁾	AMS
Drexel Clethodim 1EC + Lactofen + Chlorimuron + Thifensulfuron ⁽⁵⁾	12 to 20 fl. oz. (0.091 to 0.151 lb. a.i.) + Refer to Lactofen label for use rate. + Refer to Chlorimuron + Thifensulfuron label for use rate.	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1 to 2 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution
Drexel Clethodim 1EC + Lactofen + Chlorimuron + Thifensulfuron ⁽⁵⁾ (STS Soybeans Only)	12 to 20 fl. oz. (0.091 to 0.151 lb. a.i.) + Refer to Lactofen label for use rate. + Refer to Chlorimuron + Thifensulfuron (STS Soybeans Only) label for use rate.	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1 to 2 pt./A	AMS at 2.5 lb./A	NIS at 0.25% v/v plus COC at 0.25% v/v or COC at 1% v/v (but not less than 1 pt./A)	17 lb./100 gal. of spray solution

⁽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. Tank-mixing is not advised in these situations.

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

⁽³⁾ Annual grasses and sizes controlled with these tank-mixtures are those that are identified in the **DIRECTIONS FOR ANNUAL GRASSES** table.

⁽⁴⁾ Contact local Drexel Chemical Co. representative for proper COC/NIS adjuvant selection.

⁽⁵⁾ Refer to Cloransulam, Fomesafen, Thifensulfuron, Imazethpyr DG, Imazamox and Chlorimuron + Thifensulfuron for geographic and rotational restrictions.

SUGAR BEET

Table 13. DREXEL CLETHODIM 1EC TANK-MIXED WITH BROADLEAF SUGAR BEET HERBICIDES

PRODUCTS	APPLICATION RATES/ACRE	ADJUVANT INFORMATION
Drexel Clethodim 1EC + Desmedipham + Phenmedipham or Desmedipham or Desmedipham + Phenmedipham + Ethofumesate and/or Clopyralid (clopyralid) and/or Triflurosulfuron methyl	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) Refer to label for use rate. Refer to label for use rate. Refer to label for use rate. Refer to label for use rate. Refer to label for use rate.	None required None required None required See below See below

NIS at 0.25% unless Betamix, Betanex or Progress is in the tank, then use no adjuvant.

TABLE 14. DREXEL CLETHODIM 1EC PLUS DESMEDIPHAM OR PHENMEDIPHAM TANK-MIX FOR THREE SEQUENTIAL APPLICATIONS FOR ANNUAL GRASS CONTROL (MICRO RATE APPLICATION)

PRODUCT	APPLICATION RATES/ACRE ⁽¹⁾	GRASSES CONTROLLED (Inches)	METHYLATED SEED OIL ⁽²⁾	
	ANNUAL GRASSES		GROUND	AIR
Drexel Clethodim 1EC + Desmedipham or Desmedipham + Phenmedipham or Desmedipham + Phenmedipham + Pthofumesate or Clopyralid (clopyralid) or Triflurosulfuron methyl	3 to 6 fl. oz. (0.023 to 0.045 lb. a.i.) Refer to label for use rate. Refer to label for use rate. Refer to label for use rate. Refer to label for use rate. Refer to label for use rate.	Green foxtail (1 to 2) Yellow foxtail (1 to 2) Barnyardgrass (1 to 2) Wild oat (1 to 2) Volunteer cereals (1 to 2)	1.5% v/v	1.5% v/v

⁽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. Tank-mixing is not advised 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

Multiple micro-rate applications of Drexel Clethodim 1EC in tank-mixtures with reduced rates of Betanex or Betamix and Methylated seed oils may be applied by air or ground equipment to Sugar beet to control early germinating Annual grasses listed above. All use precautions and restrictions on the Betanex and Betamix master labels must be followed.

USE PRECAUTIONS FOR MICRO-RATE APPLICATIONS: (SEE THIS DREXEL CLETHODIM 1EC, DESMEDIPHAM OR PHENMEDIPHAM MASTER LABELS FOR FURTHER USE PRECAUTIONS.)

Not all weeds will be adequately controlled, even with favorable climatic conditions. Conventional rates of Drexel Clethodim 1EC, Desmedipham or Phenmedipham and/or hand labor may be required if multiple micro-rate applications **DO NOT** adequately control weeds. Plugging of spray nozzles may be encountered due to the potential for formation of a precipitate in the spray solution that is often associated with micro-rate applications.

To the extent consistent with applicable law, Drexel Chemical Company will not be responsible for any nozzle plugging that may occur with the use of multiple micro-rate applications.

GROUND APPLICATION

Use of sufficient spray volumes and pressure is essential to ensure complete coverage. Use a minimum of 10 gallons and a maximum of 20 gallons 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 gallons and a maximum of 15 gallons of spray solution per acre.

Table 15. TANK-MIX APPLICATION OF DREXEL CLETHODIM 1EC AND FUNGICIDES FOR CONTROL OF GRASS WEEDS AND DISEASES IN SUGAR BEET

PRODUCT ⁽¹⁾	APPLICATION RATES/ACRE ⁽²⁾		ADJUVANT
	ANNUAL GRASSES	PERENNIAL GRASSES	
Drexel Clethodim 1EC + Tetraconazole	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Tetraconazole label for use rate.	12 to 24 fl. oz. (0.091 to 0.182 lb. a.i.) + Refer to Tetraconazole label for use rate.	NIS at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil 1% v/v in the finished spray volume
Drexel Clethodim 1EC+ Pyraclostrobin	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Pyraclostrobin label for use rate.	12 to 24 fl. oz. (0.091 to 0.182 lb. a.i.) + Refer to Pyraclostrobin label for use rate.	NIS at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil 1% v/v in the finished spray volume
Drexel Clethodim 1EC + Trifloxystrobin	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Trifloxystrobin label for use rate.	12 to 24 fl. oz. (0.091 to 0.182 lb. a.i.) + Refer to Trifloxystrobin label for use rate.	NIS at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil 1% v/v in the finished spray volume

⁽¹⁾ Refer to Drexel Clethodim 1EC and fungicide label for rates and weeds and diseases controlled.

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

Table 16. TANK-MIX APPLICATION OF DREXEL CLETHODIM 1EC AND INSECTICIDES FOR CONTROL OF GRASS WEEDS AND INSECTS IN ALFALFA, COTTON, PEPPERMINT AND SPEARMINT TOPS, PEANUT (INCLUDING PERENNIAL), SOYBEAN AND SUNFLOWER

PRODUCT ⁽¹⁾	APPLICATION RATES/ACRE ⁽²⁾		ADJUVANT RATES	Crops					
	ANNUAL GRASSES	PERENNIAL GRASSES		Alfalfa ⁽³⁾	Cotton	Peppermint and Spearment Tops ^(3,4)	Peanut	Soybean	Sunflower
Drexel Clethodim 1EC + Esfenvalerate	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Esfenvalerate label for use rate.	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.) + Refer to Esfenvalerate label for use rate.	NIS at 0.25% v/v + AMS at 2.5 lb./A					X	X
Drexel Clethodim 1EC + B-cyfluthrin	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to B-cyfluthrin label for use rate.	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.) + Refer to B-cyfluthrin label for use rate.	NIS at 0.25% v/v + AMS at 2.5 lb./A	X				X	
Drexel Clethodim 1EC + Fenpropathrin	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Fenpropathrin label for use rate.	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.) + Refer to Fenpropathrin label for use rate.	NIS at 0.25% v/v + AMS at 2.5 lb./A		X		X		
Drexel Clethodim 1EC + Dimethoate	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Dimethoate label for use rate.	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.) + Refer to Dimethoate label for use rate.	NIS at 0.25% v/v + AMS at 2.5 lb./A	X				X	
Drexel Clethodim 1EC + Acephate 97	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Acephate 97 label for use rate.	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.) + Refer to Acephate 97 label for use rate.	NIS at 0.25% v/v + AMS at 2.5 lb./A		X	X	X	X	
Drexel Clethodim 1EC + Acephate 90 S	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Acephate 90 S label for use rate.	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.) + Refer to Acephate 90 S label for use rate.	NIS at 0.25% v/v + AMS at 2.5 lb./A		X	X	X	X	
Drexel Clethodim 1EC + Permethrin	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Permethrin label for use rate.	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.) + Refer to Permethrin label for use rate.	NIS at 0.25% v/v + AMS at 2.5 lb./A	X				X	
Drexel Clethodim 1EC + Lambda-cyhalothrin	9 to 12 fl. oz. (0.068 to 0.091 lb. a.i.) + Refer to Lambda- cyhalothrin label for use rate.	12 to 32 fl. oz. (0.091 to 0.242 lb. a.i.) + Refer to Lambda- cyhalothrin label for use rate.	NIS at 0.25% v/v + AMS at 2.5 lb./A					X	X

⁽¹⁾ Refer to Drexel Clethodim 1EC and insecticide label for rates and weeds and insects controlled.

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

⁽³⁾ Certain insecticides may cause temporary phytotoxic symptoms on Alfalfa, Peppermint and Spearmint 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.

⁽⁴⁾ The Drexel Clethodim 1EC rate is 9 to 12 fl. oz./A (0.068 to 0.091 lb. a.i./A) for Annual grass control in baby Peppermint and Spearmint, minimum of 12 fl. oz./A (0.091 lb. a.i./A) for Annual grass control in established Peppermint and Spearmint and 12 to 32 fl. oz./A (0.091 to 0.242 lb. a.i./A) for Perennial grass control.

FALLOW LAND

DIRECTIONS FOR USE

Drexel Clethodim 1EC 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 Drexel Clethodim 1EC at 12 to 16 fluid ounces per acre (0.091 to 0.121 lb. a.i./A) for Annual grasses and 16 to 32 fluid ounces per acre (0.121 to 0.242 lb. a.i./A) for Perennial grasses. When both grass and broadleaf weeds are the target pest, Drexel Clethodim 1EC may be tank-mixed with 2,4-D ester for broad spectrum control. When both Annual and Perennial grasses occur in the same field, use a minimum of 16 fluid ounces per acre (0.125 lb. a.i./A) Drexel Clethodim 1EC rate.

TABLE 17. DREXEL CLETHODIM 1EC IN TANK-MIXES TO CONTROL ANNUAL AND PERENNIAL GRASSES IN FALLOW LAND

PRODUCT	APPLICATION RATES PER ACRE ⁽¹⁾		ADJUVANT RATES	
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	AIR
Drexel Clethodim 1EC + 2,4-D ester or Dicamba	12 to 16 fl. oz. (0.091 to 0.121 lb. a.i.) + See 2,4-D ester or Dicamba labels for use rates.	16 to 32 fl. oz. (0.121 to 0.242 lb. a.i.) + See 2,4-D ester or Dicamba labels for use rates	NIS at 0.25% v/v or COC at 1% + AMS at 2.5 lb./A	NIS at 0.25% v/v or COC at 1% + AMS at 17 lb./100 gal.

⁽¹⁾ Refer to Drexel Clethodim 1EC label for weed height and species control. Review Dicamba and 2,4-D labels for crop restrictions, use rates and weeds controlled.

TABLE 18. DREXEL CLETHODIM 1EC 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 STAGE
		COMMON NAME	SCIENTIFIC NAME	
Drexel Clethodim 1EC	12 to 16 fl. oz./A (0.091 to 0.121 lb. a.i./A)	Tall fescue	<i>Festuca arundinacea</i>	4 to 6 inches tall (40 to 60% green-up)

Adjuvant: Drexel Clethodim 1EC must be applied with non-ionic surfactant at 0.25% v/v, plus a spray grade Ammonium sulfate at 2.5 to 4 lb./A.

Mixing Order: Thoroughly mix spray grade Ammonium sulfate in water, add Drexel Clethodim 1EC, then add non-ionic surfactant.

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 gal. 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 Drexel Clethodim 1EC to emerged warm-season grasses may cause injury.
NOTE: Drexel Clethodim 1EC applications are most effective if applied when average nighttime temperatures are consistently greater than or equal to 47° F.

Restriction

- **DO NOT** mow area for 2 weeks after the Drexel Clethodim 1EC 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.

TABLE 19. DREXEL CLETHODIM 1EC FOR THE SUPPRESSION OF TALL FESCUE SEED-HEADS IN NON-PRODUCING AGRICULTURAL AREAS

PRODUCT	PRODUCT RATES	SUPPRESSION	APPLICATION TIMING
Drexel Clethodim 1EC	3 to 6 fl. oz./A (0.023 to 0.03 lb. a.i./A)	Tall fescue seed-heads (<i>Festuca arundinacea</i>)	(50 to 90% Tall fescue green-up in the Spring) or 3 weeks prior to dormancy in the Fall.

ADJUVANT: Drexel Clethodim 1EC must be applied with crop oil concentrate at 1 qt./A, plus a spray grade Ammonium sulfate at 2.5 to 4 lb./A.

Mixing Order: Thoroughly mix spray grade Ammonium sulfate in water, add Drexel Clethodim 1EC, then add crop oil concentrate.

Note: Use crop oil concentrate at 2 pt./A with Fall applications.

SPECIAL APPLICATION INSTRUCTIONS

Apply at 50 to 90% Tall fescue green-up.
Use the higher Drexel Clethodim 1EC rate if less Tall fescue green matter is present.
Apply in a minimum of 15 to 20 gal. of water per acre at a spray pressure of 40 to 60 psi at the nozzle. Apply using flat fan or hollow cone nozzles.
2,4-D ester, Picloram or Triclopyr 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 2 weeks after the Drexel Clethodim 1EC application.
- **DO NOT** use flood nozzles.
- **DO NOT** graze treated fields or feed treated forage and or hay to livestock.

DIRECTIONS FOR USE IN ORNAMENTALS

IMPORTANT

Drexel Clethodim 1EC successfully controls weeds in newly transplanted and established non-grassy ornamentals. Plant to Drexel Clethodim 1EC at labeled rates has been found to be acceptable for the indicated genera and species listed below. Due to variability within species, crop growth stage, environmental conditions, and application techniques, it is advised that the user determine if herbicide can be used safely on a few plants prior to widespread application. Neither the seller nor the manufacturer of Drexel Clethodim 1EC have investigated the safety factor to ornamental plants not listed on the label.

The following plants have shown a crop safety with Drexel Clethodim 1EC 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 japonicus</i>
Periwinkle, Lesser	<i>Vinca minor</i>

GARDEN FLOWERS AND PLANTS	
COMMON NAME	SCIENTIFIC NAME
Ageratum	<i>Ageratum</i> spp.
Alyssum*, Sweet	<i>Lobularia maritima</i>
Asparagus fern	<i>Asparagus setaceus</i>
Bleeding heart	<i>Dicentra 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 sanguinea</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>Saxifraga</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>Rosa</i> spp.
Spiraea	<i>Spiraea bumalda</i>
Sweet olive	<i>Osmanthus fragrans</i>
Viburnum	<i>Viburnum tinus</i>
Wisteria	<i>Wisteria</i> spp.
Yellow sage/Shrub verben	<i>Lantana camara</i>

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

USE DIRECTIONS FOR ANNUAL GRASSES IN ORNAMENTALS

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

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT** (INCHES)	APPLICATION RATES	
			MINIMUM RATE FL. OZ./A ⁽¹⁾	MAXIMUM RATE FL. OZ./A ⁽²⁾
Barnyardgrass	<i>Echinochloa crus-galli</i>	2 to 8	12 (0.091 lb. a.i.)	32 (0.242 lb. a.i.)
Broadleaf signalgrass	<i>Brachiaria platyphylla</i>	to 6	12	32
Brome				
California	<i>Bromus carinatus</i>	to 6	12	32
Cheat	<i>Bromus secalinus</i>	2 to 6	12	32
Downy	<i>Bromus tectorum</i>	2 to 6	12	32
Ripgut	<i>Bromus diandrus</i>	2 to 6	12	32
Canarygrass	<i>Phalaris canariensis</i>	1 to 4	12	32
Crabgrass				
Hairy	<i>Digitaria adscendens</i>	2 to 6***	12	32
Large	<i>Digitaria sanguinalis</i>	2 to 6***	12	32
Smooth	<i>Digitaria ischaemum</i>	2 to 6***	12	32
Southern	<i>Digitaria ciliaris</i>	2 to 6***	12	32
Crowfootgrass	<i>Dactyloctenium aegyptium</i>	2 to 6***	12	32
Fall panicum	<i>Panicum dichotomiflorum</i>	2 to 8	12	32
Field sandbur	<i>Cenchrus incertus</i>	2 to 6	12	32
Foxtail				
Giant	<i>Setaria faberi</i>	2 to 12	12	32
Green	<i>Setaria viridis</i>	2 to 8	12	32
Yellow	<i>Setaria glauca</i>	2 to 8	12	32
Goosegrass	<i>Eleusine indica</i>	2 to 6***	12	32
Itchgrass	<i>Rottboellia cochlin</i>	2 to 6	12	32
Junglerice	<i>Echinochloa colona</i>	2 to 6	12	32
Lovegrass (Stinkgrass)	<i>Eragrostis cilianensis</i>	2 to 6	12	32
Rabbitsfootgrass	<i>Polypogon monspeliensis</i>	1 to 4	12	32
Red rice	<i>Oryza sativa</i>	1 to 3	12	32
Ryegrass				
Hardy	<i>Lolium remotum</i>	2 to 6	12	32
Italian*	<i>Lolium multiflorum</i>	2 to 6	12	32
Seedling johnsongrass*	<i>Sorghum halepense</i>	4 to 10	12	32
Shattercane	<i>Sorghum bicolor</i>	6 to 18	12	32
Southwestern cupgrass	<i>Eriochloa gracilis</i>	2 to 6	12	32
Sprangletop				
Amazon	<i>Leptochloa panicoides</i>	2 to 6	12	32
Bearded	<i>Leptochloa fascicularis</i>	2 to 6	12	32
Mexican	<i>Leptochloa uninervia</i>	2 to 6	12	32
Red	<i>Leptochloa filiformis</i>	2 to 6	12	32
Texas panicum	<i>Panicum texanum</i>	2 to 6	12	32
Volunteer cereals				
Barley	<i>Hordeum vulgare</i>	2 to 6	12	32
Oats	<i>Avena sativa</i>	2 to 6	12	32
Rye	<i>Secale cereale</i>	2 to 6	12	32
Wheat	<i>Triticum aestivum</i>	2 to 6	12	32
Volunteer corn	<i>Zea mays</i>	4 to 12	12	16
Volunteer corn	<i>Zea mays</i>	12 to 24	12	32
Volunteer grain				
Sorghum	<i>Sorghum bicolor</i>	8 to 12	12	32
Wild oats	<i>Avena fatua</i>	2 to 6	12	32
Wild proso millet	<i>Panicum miliaceum</i>	2 to 10	12	32
Witchgrass	<i>Panicum capillare</i>	2 to 8	12	32
Woolly cupgrass	<i>Eriochloa villosa</i>	2 to 8	12	32

*Non-ACC resistant

**Generally occurs between 3 leaf stage and tillering.

***Length of lateral growth.

⁽¹⁾ 12 fl. oz./A (0.091 lb. a.i./A) = approximately 0.3 fl. oz./1000 sq. ft.

⁽²⁾ 32 fl. oz./A (0.242 lb. a.i./A) = approximately 0.8 fl. oz./1000 sq. ft.

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

USE DIRECTIONS FOR ANNUAL BLUEGRASS CONTROL WITH DREXEL CLETHODIM 1EC IN ORNAMENTALS

GRASS SPECIES	WEED STAGE	APPLICATION RATES	
		MINIMUM RATE FL. OZ. PER ACRE	MAXIMUM RATE FL. OZ. PER ACRE
Annual bluegrass (<i>Poa annua</i>)	to 4 leaf	12 (0.091 lb. a.i.)	32 (0.242 lb. a.i.)
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 non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt. per 50 gal. (0.25% v/v).			

USE DIRECTIONS FOR PERENNIAL GRASSES IN ORNAMENTALS

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

GRASS SPECIES	WEED HEIGHT (INCHES)	APPLICATION RATES	
		MINIMUM RATE FL. OZ. PER ACRE ⁽¹⁾	MAXIMUM RATE FL. OZ. PER ACRE ⁽²⁾
Bermudagrass (<i>Cynodon dactylon</i>)			
First Application	3 (or up to 6" runners)	12 (0.091 lb. a.i.)	32 (0.242 lb. a.i.)
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	12	32
Foxtail Barley (<i>Hordeum jubatum</i>)			
First Application	2 to 6	12	32
Repeat Application(s) (if regrowth occurs)	2 to 6	12	32
Quackgrass (<i>Elytrigia repens</i>)			
First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
Rhizome Johnsongrass* (<i>Sorghum halepense</i>)			
First Application	12 to 24	12	32
Repeat Application(s) (if regrowth occurs)	6 to 18	9 (0.068 lb. a.i.)	16 (0.121 lb. a.i.)
Wirestem Muhly (<i>Muhlenbergia frondosa</i>)			
First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32

* Non-ACC resistant

⁽¹⁾ 12 fl. oz./A (0.091 lb. a.i./A) = approximately 0.3 fl. oz./1000 sq. ft.

⁽²⁾ 32 fl. oz./A (0.242 lb. a.i./A) = approximately 0.8 fl. oz./1000 sq. ft.

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

IMPORTANT

Plant to Drexel Clethodim 1EC at labeled rates has been found to be acceptable for the indicated genera and species listed below. Due to variability within species, crop growth stage, environmental conditions, and application techniques, it is advised that the user determine if the herbicide can be used safely on a few plants prior to widespread application. Neither the seller nor the manufacturer of Drexel Clethodim 1EC have investigated the safety factor to plants not listed on the label.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep container tightly closed when not in use. If exposed to subfreezing temperatures, the product should be warmed up to at least 40°F and mixed thoroughly before use.

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

CONTAINER HANDLING:

Nonrefillable Container (High Density Polyethylene (HDPE); ≤ 5 gal.): Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth 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. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (High Density Polyethylene (HDPE); > 5 gal. up to < 250 gal.): Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth 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. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Refillable Container (High Density Polyethylene (HDPE); ≥ 250 gal. and Bulk): Refillable Container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically directed and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

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