



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

95055-30

Date of Issuance:

6/05/25

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Clefandim 240 EC

Name and Address of Registrant (include ZIP Code):

Yifan Biotechnology Group Co., Ltd.
c/o Compliance Services International
7501 Bridgeport Way West
Lakewood, WA 94899

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.

Continues page 2

Signature of Approving Official:

Francisco Llarena-Arias for:
Heather McFarley, Product Manager 24
Fungicide & Herbicide Branch, Registration Division (7505T)

Date:

6/05/25

EPA Form 8570-6

2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 95055-30."
3. 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 06/02/2023

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

Enclosure

[Text in brackets is optional]

CLETHODIM	GROUP	1	HERBICIDE
-----------	-------	---	-----------

Clefandim 240 EC

ACTIVE INGREDIENT:

Clethodim, (E)-2[1-[[[(3-chloro-2-propenyl)oxy]limino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one 24.47%

OTHER INGREDIENTS* 75.53%

TOTAL 100.00%

* Contains Petroleum Distillates

Contains: 2.0 lb Clethodim per gallon

KEEP OUT OF REACH OF CHILDREN

WARNING / AVISO

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

See [front][back][side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use.

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none">Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none">Immediately call a poison control center or doctorDO NOT induce vomiting unless told to by a poison control center or doctor.DO NOT give any liquid to the personDO NOT give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">Take off contaminated clothing.Rinse skin immediately with plenty of water for 15-20 minutes.Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none">Move person to fresh air.If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.Call a poison control center or doctor for further treatment advice
NOTE TO PHYSICIAN: Contains petroleum distillates. Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid, which can cause aspiration pneumonitis. If ingested, probable mucosal damage may contraindicate the use of gastric lavage.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergencies call the poison control center at 1-800-222-1222 . For non-emergency resource information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Monday – Friday 8 am – Noon Pacific Time, (NPIC Web site: www.npic.orst.edu). In the event of a leak, fire or medical emergency involving a human or animal please call INFOTRAC at 1-800-535-5053 or Outside the USA and Canada at 1-352-323-3500, 24/7/365.	

EPA Reg. No. 95055-xxx

xxxxxxV001

Manufactured for:

Yifan Biotechnology Group Co., Ltd.
No. 555, Changan Road, Yaoxi subdistrict,
Longwan district, Wenzhou City, Zhejiang, China 325013

NET CONTENTS:

EPA Est. No.:91233-CHN-1

ACCEPTED

06/05/2025

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under

EPA Reg. No. 95055-30

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

WARNING/AVISO: Causes substantial but temporary eye irritation. Harmful if swallowed or inhaled. Avoid contact with skin. DO NOT get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants;
- Chemical-resistant gloves including: barrier laminate or viton \geq 14 mils.
- Shoes plus socks.
- Protective eyewear

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

USER SAFETY REQUIREMENTS

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

ENGINEERING CONTROLS STATEMENTS

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

USER SAFETY RECOMMENDATIONS

Users must:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

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

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

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

Wild Rice: Hays County, Texas

NON-TARGET ORGANISM ADVISORY

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.

Important:

Read these entire **DIRECTIONS FOR USE** and Warranty and Disclaimer Statement before using **Clefandim 240 EC**.

PHYSICAL OR CHEMICAL HAZARDS

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

DIRECTIONS FOR USE

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

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

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

AGRICULTURAL USE REQUIREMENTS

Use this 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
- chemical-resistant gloves, including Barrier Laminate or Viton \geq 14 mils
- shoes plus socks
- protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forest, nurseries, or greenhouses.

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

Herbicide Resistance Management

For resistance management, **Clefandim 240 EC** is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to **Clefandim 240 EC** and other Group 1 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance-management strategies must be followed.

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

- Rotate the use of **Clefandim 240 EC** or other Group 1 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank-mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout before and after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method including hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Yifan Biotechnology Group Co., Ltd. at 86-577-86637855.

Weed Resistance

- 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.
- Plant into weed-free fields and keep fields as weed-free as possible.
- To the extent possible, use a diversified approach toward weed management. Whenever possible incorporate multiple weed-control practices such as mechanical cultivation, biological management practices, and crop rotation.
- Fields with difficult to control weeds should be rotated to crops that allow the use of herbicides with alternative mechanisms of action or different management practices.
- To the extent possible do not allow weed escapes to produce seeds, roots or tubers.
- Manage weed seeds at harvest and post-harvest to prevent a buildup of the weed seedbank
- Prevent field-to-field and within-field movement of weed seed or vegetative propagules.
- Thoroughly clean plant residues from equipment before leaving fields.
- Prevent an influx of weeds into the field by managing field borders.
- Identify weeds present in the field through scouting and field history and understand their biology. The weed-control program should consider all of the weeds present.
- Difficult to control weeds may require sequential applications of herbicides with differing mechanisms of action.
- Apply this herbicide at the correct timing and rate needed to control the most difficult weed in the field.

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Application

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

Ground Boom Applications

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

SPRAY DRIFT ADVISORIES

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

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

IMPORTANCE OF DROPLET SIZE

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

Controlling Droplet Size – Ground Boom

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

Controlling Droplet Size – Aircraft

- Adjust Nozzles - Follow nozzle manufacturer's directions for setting up nozzles. Generally, to reduce fine droplets, orient nozzles parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom

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

RELEASE HEIGHT - Aircraft

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

SHIELDED SPRAYERS

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

TEMPERATURE AND HUMIDITY

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

TEMPERATURE INVERSIONS

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

WIND

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

BOOM-LESS GROUND APPLICATIONS

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

HANDHELD TECHNOLOGY APPLICATIONS

Take precautions to minimize spray drift.

When applying **Clefandim 240 EC** in a tank-mix with other herbicides (e.g. 2,4-D, bromoxynil, MCPA, and sulfonylurea herbicides) in eastern Washington, observe all applicable Washington State Department of Agriculture herbicide rules.

PRODUCT INFORMATION

Clefandim 240 EC is a selective postemergence herbicide for control of annual and perennial grasses. Clefandim 240 EC does not control sedges or broadleaf weeds. Clefandim 240 EC is a systemic herbicide which is translocated from the treated foliage to the growing points of the leaves, shoots and roots. Uptake into the plant is primarily through its leaves. Thorough coverage of the foliage is important for consistent grass control. The treated grass weeds show a reduction in vigor and growth. Early chlorosis/necrosis of younger plant tissue is followed by a progressive collapse of the remaining foliage. Depending on grass species treated and environmental conditions, symptoms will generally be observed in 7 to 14 days after application. Avoid contact of this product with desirable grass crops including corn, rice, sorghum, small grains, or turf as these and other grass crops will be injured or killed.

USE RESTRICTIONS (See crop for restrictions specific to that crop)

- **Clefandim 240 EC** is not specified for use on vegetable crops being grown for seed production unless specific instructions are included in this labeling.
- Application in Long Island, New York is restricted to no more than 16 fl oz (0.25lb ai) of **Clefandim 240 EC** per acre per year.
- **DO NOT** apply if rain is expected within 1 hour of application, as control may be unsatisfactory.
- **DO NOT** apply a postemergence broadleaf herbicide within one day following application of **Clefandim 240 EC** or reduced grass control may result.
- **DO NOT** apply under conditions of stress. Applying **Clefandim 240 EC** under conditions that do not promote active grass growth will reduce herbicide effectiveness. These conditions include drought, excessive water, low humidity and extremes in temperature, and grasses either partially controlled or stunted from prior pesticide applications. Grasses under these kinds of stressful conditions will not absorb and translocate **Clefandim 240 EC** effectively and will be less susceptible to herbicide activity.
- **DO NOT** allow **Clefandim 240 EC** to come in contact with desirable grass crops including corn, rice, sorghum, small grains, or turf, as these and other grass crops will be injured or killed. Minor leaf spotting may occur on treated plants under certain environmental conditions. New foliage is not affected.
- Aerial applications for all tree fruits and tree nuts uses are prohibited.
- **DO NOT** plant any crop for 30 days after application unless **Clefandim 240 EC** is registered for use on that crop.

PRECAUTIONS

- 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.

- **Clefandim 240 EC** may not be used on vegetable crops being grown for seed production unless specific use directions are provided.
- **Clefandim 240 EC** is a selective postemergence herbicide for control of annual and perennial grasses.
- **Clefandim 240 EC** does not control sedges or broadleaf weeds.
- While all the vegetable crops on this label have been tested for crop safety with **Clefandim 240 EC**, not all specialty varieties of these crops have been tested. It is advised that, before applying **Clefandim 240 EC** 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.
- Grass crops including corn, rice, sorghum, small grains, or turf, etc. are highly sensitive to **Clefandim 240 EC**.
- Optimal perennial grass control can be obtained if rhizomes or stolons are cut up by preplant tillage practices (disking, plowing, etc.) to stimulate maximum emergence of grass shoots. Cultural practices, including continuous no-tillage in which the perennial grass rhizomes or stolons are not cut up, result in a very staggered, non-uniform weed emergence. Due to this non-uniform weed emergence, no fewer than two (2) **Clefandim 240 EC** applications per year are specified at the appropriate weed-growth stage rate under continuous no-till conditions.
- Tank-mixes of **Clefandim 240 EC** and broadleaf herbicides may result in reduced grass control. If grass regrowth occurs, an additional application of this product may be necessary. **AVOID SPRAY DRIFT.**
- Repeated use of **Clefandim 240 EC** (or similar postemergence grass herbicides with the same mode of action) may lead to the selection of naturally occurring biotypes that are resistant to these products in some grass species.
- If poor performance occurs and cannot be attributed to adverse weather or application conditions, a resistant biotype may be present. This is most likely to occur in fields where other control strategies including crop rotation, mechanical removal, and other classes of herbicides are not used from year to year.

MIXING INSTRUCTIONS

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.

1. Fill clean spray- tank 1/2 to 2/3 of desired level with clean water. While agitating, add the correct amount of **Clefandim 240 EC**, making sure that agitation makes a rippling or rolling action on the water surface.
2. When tank-mixing this product with other labeled herbicides, add water-soluble bags first, followed by dry formulations, flowables, emulsifiable concentrates and then solutions. Prepare no more spray mixture than is required for the immediate spray operation.
3. Add any required adjuvants (crop oil concentrate, nonionic surfactant and/or nitrogen solution).
4. Fill spray-tank to desired level with water.

Continue agitation until all spray solution has been applied.

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

APPLICATION INFORMATION

Make applications of **Clefandim 240 EC** postemergence to actively growing grasses according to the rate table directions. Applications to grass plants exceeding specified growth stages could result in unsatisfactory control.

When irrigation is used to supplement limited rainfall in arid regions, apply **Clefandim 240 EC** as soon as possible, after an irrigation (within 7 days). A second application of this product will provide more effective control of perennial grass weed than a single application in arid regions. Apply a second application to actively growing grass 2 to 3 weeks after emergence of new growth.

Cultivation of treated grasses 7 days prior to or within 7 days after application of this product could reduce weed control.

GROUND APPLICATION

To ensure complete coverage, it is essential to use sufficient spray volumes and pressure. Use a minimum of 5 gallons and a maximum of 40 gallons of spray solution per acre. Ten gallons per acre can improve grass control under certain conditions including: ultra-narrow row cotton, narrow row soybeans, broadleaf herbicide tank-mixes, perennial grasses, volunteer corn, drought or stress conditions, heavy grass pressure or when grasses are at or near maximum height. Set spray pressures to reflect a minimum of 30 psi and a maximum of 60 psi at the nozzle. **DO NOT** use flood nozzles.

SPOT TREATMENT

Mix 1/4% to 1/2% (0.33 oz to 0.65 oz per gal) product when using hand sprayers or high-volume sprayers utilizing handguns. While not allowing runoff of spray solution, apply to wet vegetation.

NOTE: If **Clefandim 240 EC** is applied as a spot treatment, care must be taken to not exceed the maximum single or annual rate allowed per 1000 sq. ft. or crop injury could occur. **DO NOT** exceed the maximum rate allowed on a "per acre" basis. See **Crop Specific Use Directions and Restrictions (Rate Tables)**.

AERIAL APPLICATION

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

CHEMIGATION (SPRINKLER IRRIGATION APPLICATION)

ONIONS (dry bulbs) GREEN ONION and GARLIC ONLY

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

Only apply to Onions and Garlic using chemigation.

Make application of **Clefandim 240 EC** in 0.1 to 0.2 acre-inch of water, either at the end of a regular irrigation set or as a separate application not associated with a regular irrigation using the least amount of water that provides proper distribution and coverage. Application of more than label specified quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness. Use a metering device to inject the **Clefandim 240 EC** 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.

PRECAUTIONS

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

CHEMIGATION RESTRICTIONS

- **DO NOT** apply by chemigation in the states of Idaho, Montana, Oregon and Washington.
- **DO NOT** apply by chemigation to any other crop other than Onions and Garlic.
- **DO NOT** apply by chemigation to any other crop, or to this crop using any other type of irrigation system.
- **DO NOT** apply this product through any other type of irrigation system (i.e.: Public Irrigation System).
- **DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.
- **DO NOT apply Clefandim 240 EC 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 when wind speed favors drift beyond the area intended for treatment.
- Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move system(s).
- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection

- pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, including a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- A person knowledgeable of the chemigation system and responsible for its operation or under supervision of the responsible person, shall shut the system down and make necessary adjustments.

USE RATES AND APPLICATION PROCEDURES

ADJUVANT OR CROP OIL CONCENTRATE DIRECTIONS

Clefandim 240 EC does not contain an adjuvant system. For its activation adjuvants are required for control. Crop oil concentrate (COC) provides the most consistent activation of **Clefandim 240 EC**. Crop oil concentrates can cause crop injury with certain tank-mix partners or on sensitive crops. Under these circumstances non-ionic surfactants (NIS) can be used in replace of crop oil concentrate. Reduced weed control may result from use of non-ionic surfactant. Under drought conditions methylated seed oil adjuvants can be used in replacement of COC. Methylated seed oils can increase crop injury potential, and care needs to be taken when considering its use. Ammonium sulfate (AMS) or urea-ammonium nitrate (UAN) can improve control of hard to control grasses and help overcome potential antagonism from tank-mix partners. The use of AMS or UAN is only allowed on specified crops. Follow the **Clefandim 240 EC USE RATES / RESTRICTIONS / LIMITATIONS** table for guidelines. Follow the table below for adjuvant use rates:

Specified Adjuvant use with Clefandim 240 EC	
CROP	ADJUVANT DIRECTIONS
Alfalfa; Cotton; Crop Subgroup 6C: Dried Shelled Pea and Bean (except soybean); Legume Vegetables, Edible Podded (Crop Subgroup 6A); Peanut (including perennial); Potato; Soybean; Crop Subgroup 6B: Succulent Shelled Pea and Bean; Beet, Sugar; and Sunflower.	<p>Always use a crop oil concentrate* at 1.0 qt/A by ground or 1% v/v (but not less than 1 pt/A) in the finished spray volume by air.</p> <p>1 to 2 qta/A of liquid fertilizer (10-34-0, 28%N or 32%N), or an equivalent amount (2.5 to 4.0 lbs/A) of spray grade ammonium sulfate (AMS) may be added to Clefandim 240 EC applications, in addition to the specified rate of crop oil concentrate. The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.</p>

Specified Adjuvant use with Clefandim 240 EC	
CROP	ADJUVANT DIRECTIONS
Asparagus; Berry Low Growing (except Cranberry and Strawberry) (Crop Subgroup 13-07G); Canola; Carrot; Clover; Cranberry; Flax; Fruiting Vegetables (except Okra and Tomato) (Crop Group 8-10); Beet, Garden; Bulb Onion (Crop Subgroup 3-07A) Onion (Dry Bulb Only); Brassica Head and Stem Vegetable (Crop Group 5-16); Herbs; Hops; Leaf Petiole Vegetables (Crop Subgroup 22B); Brassica Leafy Greens (Crop Subgroup 4-16B) (except Radish Leaves, Turnip Greens and Watercress); Mint (peppermint, tops; spearmint, tops); Mustard Seed; Onion, Green (Crop Subgroup 3-07B); Root Vegetables (except Sugar Beet and Radish) (Crop Subgroup 1B); Safflower; Sesame; Stone Fruit; Strawberry; Tuberous and Corm Vegetables (except Potato) (Crop Subgroup 1C); Tomato; Tree Nuts (non-bearing food crops).	Always use a crop oil concentrate at 1% v/v in the finished spray volume unless tank mix instructions indicate otherwise. Addition of liquid fertilizer is not advised for these crops.
Non-Bearing Fruit and Nut Crops, Ornamental Plants.	
Conifer Trees, Fallow Land (and other non-producing agricultural areas), and Non-Crop or Non-planted Areas.	
*Acceptable crop oil concentrates would be those that contain a minimum of 80% oils and 15% emulsifier. A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet 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.	

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

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

CROP SPECIFIC USE DIRECTIONS AND RESTRICTIONS (Rate Tables)

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Alfalfa including: Sainfoin Holy Clover Birdsfoot trefoil	15 days before grazing, feeding or harvesting (cutting) for forage or hay.	6 – 16 fl oz (0.09 – 0.25 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air. AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution.	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
				This product can be applied to seedling or established alfalfa grown for seed.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Bean^(A), Dry except Soybean (Crop Subgroup 6C: Dried Shelled Pea and Bean (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 day PHI	6 – 16 fl oz (0.09 – 0.25 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution.	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Bean^(A), Succulent Shelled (Crop Subgroup 6B: Succulent Shelled Pea and Bean) including: Bean (<i>Phaseolus</i> spp.) Broad Bean (succulent) Lima Bean (green) Bean (<i>Vigna</i> spp.) Black-eyed Pea Cowpea Southern Pea	21 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution.	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per year. • DO NOT make more than 1 application per acre per year.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Beet, Garden	30 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Beet, Sugar	40 day PHI	6 – 16 fl oz (0.09 – 0.25 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution.	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Berry Low Growing (except Cranberry and Strawberry) (Crop Subgroup 13-07G)[*] including: Bearberry Bilberry Blueberry, lowbush Cloudberry Lingonberry Muntries Partridgeberry	45 day PHI	4 – 8 fl oz (0.06 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai/A) per year. • DO NOT apply for Bushberry grown for root stock. • DO NOT re-apply less than 14 days from a prior application. <p>Direct the application towards the base of the plant to avoid contact with leaf tissue. Contact with the upper portions of the plant can result in crop injury.</p>

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Brassica Head and Stem Vegetable (Crop Group 5-16(A)) including: Broccoli Brussels Sprouts Cabbage Cabbage, Chinese (napa) Cauliflower cultivars, varieties and/or hybrids of these commodities	30 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Brassica Leafy Greens^(A) (Crop Subgroup 4-16B) (except Radish Leaves, Turnip Greens and Watercress) including: Arugula Broccoli, Chinese Broccoli Raab Cabbage, Abyssinian Cabbage, Chinese (bok choy) Cabbage, Seakale Collards Cress, Garden Cress, Upland Hanover Salad Kale Maca (leaves) Mizuna Mustard Greens Rape Greens Rocket, Wild Shepherd's Purse cultivars, varieties, and/or hybrids of these commodities	14 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Canola (including Rapeseed Subgroup 20A except flax seed, mustard seed and sesame seed)[*] 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 day PHI	4 – 6 fl oz (0.06 – 0.09 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution.	Restrictions: <ul style="list-style-type: none"> • DO NOT apply after crop has begun bolting. • DO NOT apply more than 6 fl oz (0.094 lb ai) per acre per application and per year. • DO NOT make more than 1 application per acre per year. Crop injury could occur when this product is applied during the bloom period.
Carrot	30 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Clover	15 day PHI before grazing, feeding, or harvesting (cutting) for forage or hay.	6 – 16 fl oz (0.09 – 0.25 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution.	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per application. • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per year. • DO NOT make more than 1 application per acre per year. • For use on clover grown in the states of Idaho, Oregon and Washington only. • DO NOT re-apply less than 14 days from a prior application.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Conifer Trees Including: <ul style="list-style-type: none"> • Arbovitae, American (Thuja occidentalis) • Cedars (Cedrus spp.) • Cypress (Taxodium spp.) • Fir, Douglas (Pseudotsuga menziesii) • Firs (Abies spp.) • Hemlock, Canadian/Eastern (Tsuga canadensis) • Hemlock, Western (Tsuga heterophylla) • Pines (Pinus spp.) • Spruces (Picea spp.) • Yew (Taxus spp.) 	N/A	6-16 fl oz (0.094-0.250 lb ai)	Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt per 50 gal (0.25% v/v)	<p>Clelandim 480 EC can be used to control labeled grasses in Christmas tree farms, conifer nurseries and conifer plantations (but not in forests)</p> <p>Restrictions</p> <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year at the 16 fl oz rate (0.25 lb ai) • DO NOT make more than 4 applications per acre per year at the 8 fl oz per acre rate (0.125 lb ai per acre) • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT apply in forests. • DO NOT re-apply less than 14 days from a prior application.
Cotton (including cotton grown for seed)	60 day PHI	6 – 16 fl oz (0.09 – 0.25 lb ai)	<p>COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air</p> <p>AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution.</p>	<p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT graze treated fields or feed treated forage or hay to livestock. • DO NOT re-apply less than 14 days from a prior application.

Clefandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Cranberry	30 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT apply between the “hook” stage and full fruit set. • DO NOT re-apply less than 14 days from a prior application.
Fallow Land	N/A	6-8 fl oz for annual grasses (0.09-0.125 lb ai) 8-16 fl oz for perennial grasses (0.125-0.25 lb ai)	1% v/v (but not less than 1 pt/A) in the finished spray volume using a crop oil concentrate containing at least 15% emulsifier.	Use a minimum of 8 fl oz (0.250 lb ai) for fields with both annual and perennial grasses Apply only to actively growing grasses when the first grass reaches the specified weed height as specified in the Instructions for Annual and Perennial Grasses section of this label Annual grasses that emerge after the Clefandim 240 EC 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 <ul style="list-style-type: none"> • Apply at a minimum spray volume of 5 gal/acre for aerial applications • Apply at a minimum spray volume of 15 gal/acre for ground applications • DO NOT apply more than 8 fl oz (0.125 lb ai) to annual grasses or 16 fl oz (0.25 lb ai) to perennial grasses per acre per application. • DO NOT make more than 2 applications per year.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
				<ul style="list-style-type: none"> • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT plant any crop for 30 days after application unless clethodim is registered for use in that crop. • DO NOT apply to grasses that have tillered, formed seedheads or exceeded specified grow stage • DO NOT use flood jet nozzles • DO NOT apply to drought stressed grasses • DO NOT mow area for 2 weeks prior to or after the Clelandim 240 EC application. • DO NOT re-apply less than 14 days from a prior application.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Flax *	60 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	<p>COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air</p> <p>AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution.</p>	<p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lbai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application. <p>Make application prior to bloom.</p> <p>If applied during bloom, crop injury could occur.</p>

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Fruiting Vegetables^(A) (except Okra and Tomato) (Crop Group 8-10): including African Eggplant Bush Tomato Bell Pepper Cocona Currant Tomato Eggplant Garden Huckleberry Goji Berry Groundcherry Martynia Naranjilla Pea Eggplant Pepino Nonbell Pepper Roselle Scarlet Eggplant Sunberry Tomatillo Tree Tomato cultivars, varieties, and/or hybrids.	20 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lbai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Herbs, (Crop Subgroup 19A)^(A) including: Angelica Balm Basil Borage Burnet Camomile Catnip Chervil (dried) Chive Chive, Chinese Clary Coriander (leaf) Costmary Culantro (leaf) Curry (leaf) Dill (dillweed) Horehound Hyssop Lavender Lovage (leaf) Marigold Marjoram <i>(Origanum spp.)</i> Nasturtium Parsley (dried) Pennyroyal Rosemary Rue Sage Savory, Summer and Winter	14 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application. <p>This product has not been tested on all herbs, and herb varieties. It is the responsibility of the user to test this product on a small portion of the crop to be treated before treating the entire field.</p> <p>Verify crop resistance to this product on a small area of the herb crop, at the desired rate. If no crop response is evident seven (7) days after treatment, this product may be used on the entire field at the same rate tested and with the same crop oil used in the resistance test.</p>
Hops	21 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Leaf Petiole Vegetables (Crop Subgroup 22B) including: Cardoon Celery Celery, Chinese Fuki Rhubarb Udo Zuiki cultivars, varieties, brids of these commodities	30 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.

Clefundim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Leafy Greens^(A) (Crop 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/or hybrids.	14 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.

Clefandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Legume Vegetables, Edible Podded^(A) (Crop Subgroup 6A) including: Bean (<i>Phaseolus</i> spp.) Runner Snap Wax Bean (<i>Vigna</i> spp.) Asparagus Chinese Longbean Moth Yardlong Jackbean Pea (<i>Pisum</i> spp.) Dwarf Edible-pod Snow Sugar Snap Pigeon Sword Bean	21 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution.	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre in a single application and per year. • DO NOT make more than 1 application per acre per year. • For peas apply before bloom, but no later than 21 days before harvest.
Melon (Crop Subgroup 9A)^(A) including: Citron Melon Muskmelon (including cantaloupe) Watermelon	14 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Mint (peppermint, tops; spearmint, tops)	21 day PHI	6 – 16 fl oz (0.09 – 0.25 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution.	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Mustard Seed[*]	75 day PHI	4 – 6 fl oz (0.06 – 0.09 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 6 fl oz (0.094 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 12 fl oz (0.188 lb ai) per acre per year. • DO NOT apply after crop has begun bolting. If applied during the bloom period, crop injury could occur. • DO NOT re-apply less than 14 days from a prior application.
Non-Bearing Fruit and Nut Crops (Except Root Stocks): Plants which will not bear fruit or nuts for at least one year following Clelandim 240 EC application Fruits Apple (Malus spp.) Berry (Vaccinium spp. Rubus spp. Cherry, Sweet (Prunus avium) Citrus Fruits (Citrus spp). Grapes (Vitis spp) Olives (Olea spp). Peach (Prunus persica) Pears (Pyrus communis) Prunes (Prunus spp). Stone Fruits (Prunus spp) Strawberries (Fragaria spp) Tree Nuts Almond (Prunus triloba) Filbert (Corylus maxima) Pecan (Carya illinoensis) Pistachio (Pistacia vera) Walnut (Juglans spp.)	N/A	6-8 fl oz (0.09-0.125 lb ai)	Use of crop oil concentrate is not advised since it may injure flowers and foliage. Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt per 50 gals (0.25% v/v).	Crop injury to non-bearing fruit and nut crops can occur if Clelandim 240 EC is improperly applied. Clelandim 240 EC 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. Restrictions <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • For spot treatments, DO NOT exceed 0.18 fl oz (0.003 lb ai) per 1000 sq. ft. per application. • For spot treatment, DO NOT exceed 0.73 fl oz (0.01 lb ai) per 1000 sq ft per year. • DO NOT tap Sugar Maples for syrup within one year of Clelandim 240 EC application • DO NOT apply Clelandim 240 EC to non-bearing fruit or nut

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
				<p>crops which are grown for root stock</p> <ul style="list-style-type: none"> • DO NOT re-apply less than 14 days from a prior application.
Non-Crop or Non-Planted Areas : 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	N/A	12-16 fl oz (0.19-0.25 lb ai)	1 qt by ground or 1% v/v to the finished spray volume Use a COC containing at least 15% emulsifier	<p>Apply to annual and perennial grasses that exceed the minimum height for control on the tables in this label</p> <p>Apply up to and including grasses in the seed head stage</p> <p>Restrictions</p> <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.250 lb ai) per acre per application. • DO NOT make more than 2 applications per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT plant any crop for 30 days after application unless clethodim is registered for use in that crop. • DO NOT apply as part of a tank mix when applying Clelandim 240 EC for grass suppression • DO NOT re-apply less than 14 days from a prior application.
Okra[*]	3 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	<p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Onion, Bulb (Crop Subgroup 3-07A) Onion (Dry Bulb Only) including: Daylily, Bulb Fritillaria, Bulb Garlic, Bulb Garlic, Great-headed, Bulb Garlic, Serpent, Bulb Lily, Bulb Onion, Bulb Onion, Chinese, Bulb Onion, Pearl Onion, Potato, Bulb Shallot, Bulb cultivars, varieties, and/or hybrids.	45 day PHI	6 – 16 fl oz (0.09 – 0.25 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Minimum 20 gals/A spray volume by ground in the entire U.S. Minimum of 20 gal/A spray volume by air in California In states other than California, make air applications to onions, and garlic in a minimum of 10 gallons per acre Restrictions: <ul style="list-style-type: none"> • California only: DONOT apply until the crop has at least twofull leaves. • DO NOT apply more than 16 fl oz (0.25lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • When applying by air DO NOT exceed 8 fl oz (0.125 lb ai)/A in a single application and 16 fl oz (0.25 lb ai)/A per year See Spot Treatment and Aerial Application sections (page 8) for additional information and restrictions. For spot treatments, DO NOT exceed 0.37 fl oz (0.006 lb ai) per 1000 sq. ft. per single application. For spot treatments, DO NOT exceed 0.73 fl. oz (0.01 lb ai) per 1000 sq. ft. per year. Additional Restrictions: For garlic: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lbs ai) per acre in a single application when applying by ground. • DO NOT re-apply less than 14 days from a prior application.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Onion, Green (Crop Subgroup 3-07B) including: Chive (fresh leaves) Chive, Chinese (fresh leaves) Elegans Hosta Fritillaria (leaves) Kurrat Lady's Leek Leek Leek, Wild Onion, Beltsville (bunching) Onion (fresh) Onion, Green Onion, Macrostem Onion, Tree (tops) Onion, Welsh (tops) Shallot (fresh leaves) cultivars, varieties, and/or hybrids.	14 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT exceed 8 fl oz (0.125 lb ai) per acre in a single application when applying by air. • In California, for air applications to onion, DO NOT make more than 2 applications per year. • DO NOT apply more than 32 fl oz (0.5 lb ai) per acre per year. • In California, DO NOT apply to onion or garlic until the crop has at least two full leaves. Use a 14 day spray interval between the application of Select 2 EC Herbicide and liquid nitrogen or other herbicide applications. Injury to crop may occur when shorter intervals are observed. • DO NOT re-apply less than 14 days from a prior application.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Pea, Dried Shelled ^(A) (Crop Subgroup 6C) including: Pea (<i>Pisum</i> spp.) Field Pigeon	30 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution	For peas apply before bloom, but no later than 30 days before harvest. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lbai) per acre in a single application. • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per year. • DO NOT make more than 1 application per acre per year. Applications of this product to peas during the bloom period could result in severe crop injury, including loss of yield and delayed maturity.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Pea, Succulent Shelled^(A) (Crop Subgroup 6B) including: Pea (<i>Pisum</i> spp.) English Pea Garden Pea Green Pea Pigeon Pea	21 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution	For peas apply before bloom, but no later than 21 days before harvest. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lbai) per acre in a single application. • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per year. • DO NOT make more than 1 application per acre per year. Applications of this product to peas during the bloom period could result in severe crop injury, including loss of yield and delayed maturity.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Peanut (including perennial)	40 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution.	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.25 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Pome Fruit (Crop Group 11-10) including: Apple Azarole Crabapple Loquat Mayhaw Medlar Pear Pear, Asian Quince Quince, Chinese Quince, Japanese Tejocote	14 day PHI	4 – 8 fl oz (0.06 – 0.125 lb ai)	Non-ionic surfactant (NIS) at 0.25% v/v	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Potato	30 day PHI	6 – 16 fl oz (0.09 – 0.25 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution.	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Radish Radish Leaves	15 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Root Vegetables^(A) (except Sugar Beet and Radish) (Crop Subgroup 1B) including: Burdock, Edible Celeriac Chervil, Turnip-rooted Chicory Ginseng Horseradish Parsley, Turnip-rooted Parsnip Radish, Oriental Rutabaga Salsify Salsify, Black Salsify, Spanish Skirret Turnip	30 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.

Clefandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Safflower	70 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution.	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Sesame	14 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT apply during flowering. • DO NOT re-apply less than 14 days from a prior application.
Soybean	60 day PHI	6 – 16 fl oz (0.09 – 0.25 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT graze treated fields or feed treated forage or hay to livestock. • DO NOT re-apply less than 14 days from a prior application.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Squash/Cucumber (Subgroup 9B) Chayote (fruit) Chinese waxgourd (Chinese preserving melon) Cucumber Gherkin Gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra) Momordica spp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber) Pumpkin Squash, Summer Squash, Winter (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash)	14 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Stalk and Stem Vegetable [Subgroup 22A][*] 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 PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE- HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOR EACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Stevia, dried leaves	14 day PHI	4 – 8 fl oz (0.06 – 0.125 lb ai)	Non-ionic surfactant (NIS) at 0.25% v/v	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
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 day PHI	4 – 8 fl oz (0.06 – 0.125 lb ai)	Non-ionic surfactant (NIS) at 0.25% v/v	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Strawberry	4 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.

Clefandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOREACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Sunflower (Subgroup 20B) including: Calendula Castor oil Plant Chinese Tallowtree Euphorbia Evening Primrose Jojoba Niger Seed Rose Hip Stokes Aster Tallowwood Tea Oil Plant Vernonia	70 day PHI	6 – 16 fl oz (0.09 – 0.25 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year when applied at reduced rates. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Tomato	20 day PHI	6 – 16 fl oz (0.09 – 0.25 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.

Clefandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOREACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
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 Horsechestnut 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 day PHI	6 – 16 fl oz (0.09 – 0.25 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.25lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 64 fl oz (1.0 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.

Clelandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS				
CROPS	APPLICATION TIMING AND PRE-HARVEST INTERVAL (PHI)	USE RATES PER ACRE ALLOWED FOREACH CROP	CROP OIL CONCENTRATE (COC) and AMMONIUM SULFATE (AMS)	RESTRICTIONS and SPECIAL USE INSTRUCTIONS
Tuberous and Corm Vegetables^(A) (except Potato) (Crop Subgroup 1C) including: Artichoke[*] Chinese Jerusalem Cassava Bitter Sweet Ginger Sweet Potato Yam	30 day PHI	6 – 16 fl oz (0.09 – 0.25 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: 2.5-4.0 lb/A or 8.5-17.0 lb/100 gallons of spray solution	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 16 fl oz (0.25 lb ai) per acre per application. • DO NOT make more than 2 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Turnip Greens	14 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT re-apply less than 14 days from a prior application.
Watercress [*]	30 day PHI	6 – 8 fl oz (0.09 – 0.125 lb ai)	COC: 1% v/v or 1 qt/A by ground. 1% v/v or 1 pt/A by air AMS: None	Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 8 fl oz (0.125 lb ai) per acre per application. • DO NOT make more than 4 applications per acre per year. • DO NOT apply more than 32 fl oz (0.50 lb ai) per acre per year. • DO NOT apply when watercress is under flood conditions • DO NOT apply Clelandim 240 EC when water is in the field and hold water for at least 24 hours after an application • DO NOT re-apply less than 14 days from a prior application.

N/A – Not Applicable

^A Refer to *Crops and Uses* section of this label.

*Not registered for use in California.

ATTENTION

Plant resistance to **Clefandim 240 EC** 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 **Clefandim 240 EC** has investigated the safety factor to plants not listed on this label.

DIRECTIONS FOR ANNUAL GRASSES

(EXCEPT FOR IN ESTABLISHED ALFALFA AND MINT (peppermint, tops; spearmint, tops))

Make application to actively growing grasses at specified weed heights.

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

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

Restrictions:

- **DO NOT** exceed the maximum rate per application listed in Table 1, Crop Specific Use Directions and Restrictions.
- **DO NOT** exceed the maximum number of applications per year listed in Table 1, Crop Specific Use Directions and Restrictions.
- **DO NOT** exceed the maximum yearly rate listed in Table 1, Crop Specific Use Directions and Restrictions.

Grass Species	Scientific Name	Weed Height (inches)	Rate ⁽³⁾ FL OZ/A (lb ai/A)	
			Minimum	Maximum
Barnyardgrass	<i>Echinochloa crus-galli</i>	2 to 8	6 (0.09)	8 (0.125)
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	2 to 6	6 (0.09)	8 (0.125)
Brome				
California	<i>Bromus carinatus</i>	2 to 6	6 (0.09)	8 (0.125)
Cheat	<i>Bromus secalinus</i>	2 to 6	6 (0.09)	8 (0.125)
Downy	<i>Bromus tectorum</i>	2 to 6	6 (0.09)	8 (0.125)
Ripgut	<i>Bromus diandrus</i>	2 to 6	6 (0.09)	8 (0.125)
Canarygrass	<i>Phalaris canariensis</i>	1 to 4	6 (0.09)	8 (0.125)
Crabgrass				
Hairy	<i>Digitaria adscendens</i>	2 to 6**	6 (0.09)	8 (0.125)
Large	<i>Digitaria sanguinalis</i>	2 to 6**	6 (0.09)	8 (0.125)
Smooth	<i>Digitaria ischaemum</i>	2 to 6**	6 (0.09)	8 (0.125)
Southern	<i>Digitaria ciliaris</i>	2 to 6**	6 (0.09)	8 (0.125)
Crowfootgrass	<i>Dactyloctenium aegyptium</i>	2 to 6**	6 (0.09)	8 (0.125)

Grass Species	Scientific Name	Weed Height (inches)	Rate ⁽³⁾ FL OZ/A (lb ai/A)	
			Minimum	Maximum
Fall Panicum	<i>Panicum dichotomiflorum</i>	2 to 8	6 (0.09)	8 (0.125)
Field Sandbur	<i>Cenchrus incertus</i>	2 to 6	6 (0.09)	8 (0.125)
Foxtail				
Giant	<i>Setaria faberi</i>	2 to 12	6 (0.09)	8 (0.125)
Green	<i>Setaria viridis</i>	2 to 8	6 (0.09)	8 (0.125)
Yellow	<i>Setaria glauc</i>	2 to 8	6 (0.09)	8 (0.125)
Goosegrass	<i>Eleusine indica</i>	2 to 6**	6 (0.09)	8 (0.125)
Itchgrass	<i>Rottboellia cochinchinensis</i>	2 to 6	6 (0.09)	8 (0.125)
Junglerice	<i>Echinochloa colona</i>	2 to 6	6 (0.09)	8 (0.125)
Lovegrass (Stinkgrass)	<i>Eragrostis cilianensis</i>	2 to 6	6 (0.09)	8 (0.125)
Rabbitsfootgrass	<i>Polypogon monspeliensis</i>	1 to 4	6 (0.09)	8 (0.125)
Red Rice	<i>Oryza sativa</i>	1 to 3	6 (0.09)	8 (0.125)
Ryegrass				
Hardy	<i>Lolium remotum</i>	2 to 6	6 (0.09)	8 (0.125)
Italian	<i>Lolium multiflorum</i>	2 to 6	6 (0.09)	8 (0.125)
Seedling Johnsongrass	<i>Sorghum halepense</i>	4 to 10	6 (0.09)	8 (0.125)
Shattercane	<i>Sorghum bicolor</i>	6 to 18	6 (0.09)	8 (0.125)
Southwestern Cupgrass	<i>Eriochloa gracilis</i>	2 to 6	6 (0.09)	8 (0.125)
Sprangle top				
Amazon	<i>Leptochloa panicoides</i>	2 to 6	6 (0.09)	8 (0.125)
Bearded	<i>Leptochloa fascicularis</i>	2 to 6	6 (0.09)	8 (0.125)
Mexican	<i>Leptochloa uninervia</i>	2 to 6	6 (0.09)	8 (0.125)
Red	<i>Leptochloa filiformis</i>	2 to 6	6 (0.09)	8 (0.125)
Texas Panicum	<i>Panicum texanum</i>	2 to 6	6 (0.09)	8 (0.125)
Volunteer Cereals⁽²⁾				
Barley	<i>Hordeum vulgare</i>	2 to 6	6 (0.09)	8 (0.125)
Oats	<i>Avena sativa</i>	2 to 6	6 (0.09)	8 (0.125)
Rye	<i>Secale cereale</i>	2 to 6	6 (0.09)	8 (0.125)
Wheat	<i>Triticum aestivum</i>	2 to 6	6 (0.09)	8 (0.125)

Grass Species	Scientific Name	Weed Height (inches)	Rate ⁽³⁾ FL OZ/A (lb ai/A)	
			Minimum	Maximum
Volunteer Corn ⁽¹⁾	<i>Zea mays</i>	up to 12	4 (0.06)	6 (0.09)
Volunteer Corn ⁽¹⁾	<i>Zea mays</i>	up to 24	6 (0.09)	8 (0.125)
Volunteer Corn ⁽¹⁾	<i>Zea mays</i>	up to 36	8 (0.125)	10 (0.16)
Volunteer Grain Sorghum	<i>Sorghum bicolor</i>	8 to 12	6 (0.09)	8 (0.125)
Wild Oats	<i>Avena fatua</i>	2 to 6	6 (0.09)	8 (0.125)
Wild Proso Millet	<i>Panicum miliaceum</i>	2 to 10	6 (0.09)	8 (0.125)
Witchgrass	<i>Panicum capillare</i>	2 to 8	6 (0.09)	8 (0.125)
Woolly Cupgrass	<i>Eriochloa villosa</i>	2 to 8	6 (0.09)	8 (0.125)

* Generally occurs between 3-leaf stage and tillering.

**Length of lateral growth.

¹ Includes ROUNDUP READY® or glyphosate-resistant, LIBERTYLINK® or glyphosate-resistant, and IMI-CORN® or imidazolinone-resistant volunteer corn.

² The minimum **Clefandim 240 EC** use rate for control when a cereal grain crop (including wheat) is interseeded for crop establishment or is planted as wind breaks to aid crop establishment is 8 fl oz (0.125 lb ai)/A.

³ Where experience has shown that higher rates are needed for satisfactory control of annual grasses, rates higher than 8 fl oz (0.125 lb ai)/A may be applied in certain geographical areas, cropping situations, or environmental conditions. In these situations, rates from 8 fl oz (0.125 lb ai)/A to 16 fl oz (0.25 lb ai)/A can be applied. Follow the use rate restrictions in that Clefandim 240 EC USERATES/RESTRICTIONS/LIMITATIONS table before applying higher rates.

DIRECTIONS FOR ANNUAL & PERENNIAL GRASS CONTROL IN ESTABLISHED ALFALFA AND MINT (peppermint, tops; spearmint, tops) WITH Clefandim 240 EC			
GRASS SPECIES	WEED STAGE	RATE FL OZ/A (lb ai/A)	
		Minimum	Maximum
Annual & Perennial Grasses Listed in Grass Table	See Table	8 (0.125)	16 (0.25)
<p>Mowing: Achieving the best control of annual grasses can be made by applying Clefandim 240 EC before grass weeds are mowed. Once grass is mowed it becomes tougher to control, as much of the available leaf surface has been removed. In areas without a killing frost, some annuals can over-winter after having been mowed multiple times. These grasses form large crowns and may contain many viable buds. Even though these grasses may be an annual grass, they may require repeated application of Clefandim 240 EC for partial or complete control.</p> <p>Irrigated Alfalfa and Mint (peppermint, tops; spearmint, tops): Irrigation practices can be very critical to the successful use of Clefandim 240 EC in established alfalfa and mint (peppermint, tops; spearmint, tops) and may be necessary to initiate active growth of the weeds prior to application. Generally, applications 2 to 4 days after an irrigation are most effective. Irrigation made shortly after application (2 days) can be effective, but more consistent grass control occurs when the irrigation is made before the application.</p> <p>Aerial Application: When applying by air in established alfalfa and mint (peppermint, tops; spearmint, tops), apply Clefandim 240 EC in a minimum of 10 GPA.</p> <p>Annual Grass Control: Make application at the grass sizes indicated in the Directions for Annual Grass Table and rates indicate. If a grass has been cut, make application after active growth has resumed and regrowth has reached the minimum height and before it reaches the maximum height indicated. Make application before the alfalfa/mint (peppermint, tops; spearmint, tops) canopy covers the grasses and interferes with the spray coverage. Some annual grasses are spring-and summer-germinating plants, while others are fall-germinating plants, and the time they are actively growing and most susceptible to Clefandim 240 EC may vary from region to region. In addition, some annuals germinate over an extended period of time and because control of small grasses is desired, application after each weed flush may be required. As a general rule spray spring and summer-germinating grasses as early in the season as possible, after initial green-up. Spray fall-germinating weeds in the fall soon after they begin growing but before any damage is done due to frost. Late fall applications may be less effective due to environmental conditions, including frost, slower plant growth, or the onset of flowering.</p> <p>Perennial Grass Control: Clefandim 240 EC effectively controls perennial grasses, including Bermudagrass, Johnsongrass, quackgrass, wirestem muhly, tall fescue, foxtail barley and orchardgrass. Due in part to lack of tillage, perennial grasses are more difficult to control in a perennial crop, including established alfalfa or mint (peppermint, tops; spearmint, tops). A program of repeated applications is usually necessary for best results. The best way to control perennial grasses is to do so in the year of stand establishment before rhizomes and stolons become large and difficult to kill.</p> <p>Use the high rate under heavy grass pressure and/or when grasses are at or near maximum height.</p>			

DIRECTIONS FOR ANNUAL BLUEGRASS CONTROL WITH Clefandim 240 EC			
GRASS SPECIES	WEED STAGE	RATE FL OZ/A (lb ai/A)	
		Minimum	Maximum
Annual Bluegrass (<i>Poa annua</i>)	1 to 4-leaf	6* (0.09)	16 (0.25)
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.			
* Use a minimum of 10 fl oz (0.16 lb ai)/A to control annual bluegrass in seedling and established alfalfa and mint (peppermint, tops; spearmint, tops).			
**See <i>Crop Specific Use Directions</i> , for maximum application rates and restrictions.			

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

**DIRECTIONS FOR SMALL ANNUAL GRASSES
(REDUCED RATE DIRECTIONS NOT FOR USE IN CALIFORNIA)**

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

ANNUAL GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT (inches)	RATE FL OZ/A (lb ai/A)
Barnyardgrass	<i>Echinochloa crus-galli</i>	1 to 4	4 (0.06)
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	1 to 4	5 (0.08)
Crabgrass			
Large	<i>Digitaria sanguinalis</i>	1 to 3*	4 (0.06)
Large	<i>Digitaria sanguinalis</i>	1 to 4*	5 (0.08)
Smooth	<i>Digitaria ischaemum</i>	1 to 3*	4 (0.06)
Smooth	<i>Digitaria ischaemum</i>	1 to 4*	5 (0.08)
Southern	<i>Digitaria ciliaris</i>	1 to 4*	5 (0.08)
Fall Panicum	<i>Panicum dichotomiflorum</i>	1 to 4	4 (0.06)
Foxtail			
Giant	<i>Setaria faberi</i>	1 to 4	4 (0.06)
Green	<i>Setaria viridis</i>	1 to 4	4 (0.06)

ANNUAL GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT (inches)	RATE FL OZ/A (lb ai/A)
Millet	<i>Setaria italica</i>	1 to 4	5 (0.08)
Yellow	<i>Setaria glauca</i>	1 to 4	4 (0.06)
Seedling Johnsongrass	<i>Sorghum halepense</i>	1 to 6	5 (0.08)
Shattercane	<i>Sorghum bicolor</i>	4 to 10	4 (0.06)
Texas Panicum	<i>Panicum texanum</i>	1 to 4	5 (0.08)
Volunteer Cereals			
Barley	<i>Hordeum vulgare</i>	1 to 4	5 (0.08)
Oats	<i>Avena sativa</i>	1 to 4	5 (0.08)
Wheat	<i>Triticum aestivum</i>	1 to 4	5 (0.08)
Volunteer Corn	<i>Zea Mays</i>	4 to 12	4 (0.06)
Wild Proso Millet	<i>Panicum miliaceum</i>	1 to 6	4
			(0.06)
Wild Oats	<i>Avena fatua</i>	1 to 4	5 (0.08)
*Length of lateral growth			

DIRECTIONS FOR PERENNIAL GRASSES

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

Restrictions:

- **DO NOT** exceed the maximum rate per application listed in Table 1, Crop Specific Use Directions and Restrictions.
- **DO NOT** exceed the maximum number of applications per year listed in Table 1, Crop Specific Use Directions and Restrictions.
- **DO NOT** exceed the maximum yearly rate listed in Table 1, Crop Specific Use Directions and Restrictions.

PERENNIAL GRASS SPECIES ⁽¹⁾	WEED HEIGHT (inches)	RATE ⁽²⁾ FL OZ/A (lb ai/A)	
		Minimum	Maximum
Bermudagrass (<i>Cynodon dactylon</i>)			
First Application	3 (or up to 6 runners)	8 (0.125)	16 (0.25)
Repeat Application(s) (if regrowth occurs)	3 (or up to 6 runners)	8 (0.125)	16 (0.25)
Fescue, Tall (<i>Festuca arundinacea</i>)			
First Application	4 to 8	8 (0.125)	16 (0.25)
Repeat Application(s) if regrowth occurs)	4 to 8	8 (0.125)	16 (0.25)
Foxtail Barley (<i>Hordeum jubatum</i>)			
First Application	2 to 6	8 (0.125)	16 (0.25)

PERENNIAL GRASS SPECIES ⁽¹⁾	WEED HEIGHT (inches)	RATE ⁽²⁾ FL OZ/A (lb ai/A)	
		Minimum	Maximum
Repeat Application(s) (if regrowth occurs)	2 to 6	8 (0.125)	16 (0.25)
Orchardgrass (<i>Dactylis glomerata</i>)			
First Application	4 to 8	8 (0.125)	16 (0.25)
Repeat Application(s) (if regrowth occurs)	4 to 8	8 (0.125)	16 (0.25)
Quackgrass (<i>Elytrigia repens</i>)			
First Application	4 to 12	8 (0.125)	16 (0.25)
Repeat Application(s) (if regrowth occurs)	4 to 12	8 (0.125)	16 (0.25)
Rhizome Johnsongrass (<i>Sorghum halepense</i>)			
First Application	12 to 24	8 (0.125)	16 (0.25)
Repeat Application(s) (if regrowth occurs)	6 to 18	6 (0.09)	8 (0.125)
Wirestem Muhly (<i>Muhlenbergia frondosa</i>)			
First Application	4 to 8	8 (0.125)	16 (0.25)
Repeat Application(s) (if regrowth occurs)	4 to 8	8 (0.125)	16 (0.25)
Perennial Bluegrass			
Roughstalk (<i>Poa trivialis</i>)			
Kentucky (<i>Poa prantensis</i>)			
First Application	2 to 4	8 (0.125)	16 (0.25)
Repeat Application(s) (if regrowth occurs)	2 to 4	8 (0.125)	16 (0.25)
Bentgrass (<i>Agrostis</i> spp.)			
First Application	2 to 4	-	16 (0.25)

PERENNIAL GRASS SPECIES ⁽¹⁾	WEED HEIGHT (inches)	RATE ⁽²⁾ FL OZ/A (lb ai/A)	
		Minimum	Maximum
Repeat Application(s) (if regrowth occurs)	2 to 4	-	16 (0.25)

¹ Control of perennial grasses including quackgrass, perennial bluegrass and bentgrass with this product may be enhanced by adding AMS.

² Use the higher rate under heavy grass pressure and/or when grasses are at maximum height. Follow the use rate restrictions in that **Clefandim 240 EC USE RATES/RESTRICTIONS/LIMITATIONS** table before applying higher rates.

TANK-MIXES 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.

The labels for each of the herbicides specified for tank-mixing with **Clefandim 240 EC** are unique to the characteristics of those products and contain restrictions and limitations that may be more restrictive than **Clefandim 240 EC** in certain considerations. Those concerns may include, but are not limited to:

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

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

DIRECTIONS FOR TANK-MIX APPLICATION OF Clefandim 240 EC AND BROADLEAF HERBICIDES FOR CONTROL OF GRASSES AND BROADLEAF WEEDS

- Make application only to actively growing grass and broadleaf weeds at listed height or growth stage listed on each label.
- Make application when the first grass or broadleaf weed species in a mixed population reaches the listed height or growth stage for treatment.
- Make application under favorable soil moisture and humidity that exist a few days after rainfall or within seven (7) days after irrigation.
- Always add the appropriate adjuvant to the spray mix at the rate directions for each specific tank-mix combination.
- Tank-mix application can sometimes result in reduced grass control and possible increases in crop injury as compared to either product used alone. If regrowth occurs or an additional flush of new grass emerges, apply a second application of **Clefandim 240 EC** as specified in the respective size and rate tables.
- **DO NOT** tank-mix **Clefandim 240 EC** when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.

ANTAGONISM INFORMATION

Tank-mixes of **Clefandim 240 EC** with postemergence broadleaf herbicides have shown some reduction or failure to control certain grass species, which would have otherwise been controlled by **Clefandim 240 EC** alone. Activity of the postemergence broadleaf herbicide in the tank-mix is not affected.

ALFALFA Clefandim 240 EC TANK-MIXES WITH BROADLEAF HERBICIDES FOR ALFALFA (See crop specific tables for application directions)		
TANK-MIX PRODUCT ^{1, 2}	Clefandim 240 EC APPLICATION RATES/A	
	ANNUAL GRASSES	PERENNIAL GRASSES
GLYPHOSATE (for use on ROUNDUP READY Alfalfa only)	10 – 16 fl oz (0.16 – 0.25 lbs ai)	10 – 16 fl oz (0.16 – 0.25 lbs ai)
2,4-DB ³ (2,4-D) (EPA Reg. No. 2749-516)		
PURSUIT [®] DG HERBICIDE ⁴ (imazethapyr) (EPA Reg. No. 241-350) or PURSUIT HERBICIDE ⁴ (imazethapyr) (EPA Reg. No. 241-310)		
RAPTOR [®] HERBICIDE (imazamox) (EPA Reg. No. 241-379)		
BUCTRIL [®] 2L ^{5,6} (bromoxynil) (EPA Reg. No. 264-437)		
¹ If grass regrowth occurs or an additional flush of new grass emerges, apply a second application of Clefandim 240 EC alone – without a tank-mix herbicide, according to the appropriate size and rate directions.		
² Follow the label of the broadleaf tank-mix partner for specified rates and adjuvant use.		
³ Clefandim 240 EC plus 2,4-DB may increase the severity of crop injury when tank-mixed. Alfalfa will generally outgrow this temporary crop injury within a few weeks. DO NOT apply Clefandim 240 EC and 2,4-DB as a tank-mix to alfalfa unless the 60-day feeding, grazing, and harvesting restriction on the 2,4-DB label can be observed.		
⁴ Before using this tank-mix, read and understand the PURSUIT or PURSUIT DG labels for geographical restrictions and restrictions regarding alfalfa growth stage and type. Failure to do so can result in crop injury to alfalfa. DO NOT feed, graze or harvest alfalfa for 30 days following an application of PURSUIT to alfalfa.		
⁵ States of Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming and the western halves of Kansas, Nebraska, North Dakota, South Dakota: The tank-mix of Clefandim 240 EC plus BUCTRIL must be applied in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 2 trifoliate. Unacceptable crop injury can occur to alfalfa seedlings less than the 2 trifoliate leaf stage. BUCTRIL plus Clefandim 240 EC applications made when temperatures are expected to exceed 80°F and days following application can result in unacceptable crop injury. In the states not listed above, apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 4 trifoliate leaves. Unacceptable crop injury may occur to alfalfa in the 2 trifoliate or smaller stage growth, when alfalfa stand is uneven and conditions favor leaf burn. When applications of Clefandim 240 EC plus BUCTRIL are made when temperatures are expected to exceed 70°F and three days following such application can result in unacceptable crop injury. Crop leaf burn can occur following Clefandim 240 EC plus BUCTRIL applications. Warm, humid conditions may enhance leaf burn. However, new crop growth will not be affected.		
⁶ DO NOT make application when alfalfa is under moisture, temperature, insect or disease stress or has been stressed by other pesticide carryover or application.		

CANOLA REDUCED RATE Clefandim 240 EC TANK-MIXES WITH BROADLEAF HERBICIDES (See crop specific tables for application directions)		
TANK-MIX PRODUCT ¹	Clefandim 240 EC ² APPLICATION RATES/A	
	ANNUAL GRASSES ⁴	PERENNIAL GRASSES
IGNITE® 280 SL Herbicide ³ (glufosinate) (EPA Reg. No. 7969-448)	4 – 6 fl oz (0.06 – 0.09 lb ai)	NA
¹ Follow the label of the broadleaf tank-mix partner for specified rates and adjuvant use. ² DO NOT apply Clefandim 240 EC tank-mix during or after bolting or flowering or crop injury could occur. ³ For use only on LIBERTYLINK canola. ⁴ Annual grasses and sizes controlled with these tank-mixtures are those that are identified in the DIRECTIONS FOR REDUCED RATE USE IN DRY BEAN, CANOLA, FLAX, MUSTARD SEED, SOYBEAN AND SUGAR BEET FOR SMALL ANNUAL GRASSES table.		

COTTON Clefandim 240 EC TANK-MIXED WITH COBRA® AND MSMA APPLIED POST DIRECTED			
TANK-MIX PRODUCT ¹	Clefandim 240 EC APPLICATION RATES/A ²		COMMENTS
	ANNUAL GRASSES ³	PERENNIAL GRASSES ³	
COBRA HERBICIDE (lactofen) (EPA Reg. No. 59639-34) + MSMA 6 Plus (Monosodium Methanearsonate) (EPA Reg. No. 19713-42) (4.0 or 6.6 lbs/gal)	6 – 8 fl oz (0.09 – 0.125 lb ai)	8 – 16 fl oz (0.125 – 0.25 lb ai)	Reduce broadcast rate in proportion to the band area actually treated.
¹ Follow the label of the broadleaf tank-mix partner for specified rates and adjuvant use. ² If grass regrowth occurs or an additional flush of new grass emerges, apply a second application of Clefandim 240 EC alone – without a tank-mix herbicide – according to the appropriate size and rate directions. ³ If at the time of application, grass height is so tall that post-directed applications cannot get good coverage over the top of the grassy weeds, then poor control can result and a second non-post directed application of Clefandim 240 EC may be necessary.			

COTTON Clefandim 240 EC TANK-MIXED WITH GLYPHOSATE TO CONTROL EMERGED GRASSES IN ROUNDUP READY COTTON AS A BROADCAST APPLICATION		
TANK-MIX PRODUCT ¹	Clefandim 240 EC APPLICATION RATE/A	
	ANNUAL GRASSES	PERENNIAL GRASSES
GLYPHOSATE	6 – 8 fl oz (0.09 – 0.125 lb ai)	8– 16 fl oz (0.125 – 0.25 lb ai)
¹ Follow the label of the tank-mix partner for specified rates and adjuvant use.		

COTTON Clefandim 240 EC TANK-MIX- WITH IGNITE 280 SL HERBICIDE FOR THE CONTROL OF GRASSES AND VOLUNTEER CORN IN LIBERTYLINK COTTON		
TANK-MIX PRODUCT¹	Clefandim 240 EC APPLICATION RATE/A	CORN HEIGHT (inches)
IGNITE 280 SL (glufosinate) (EPA Reg. No. 7969-448) (for use on LIBERTYLINK or glufosinate-resistant Cotton only)	4 fl oz (0.06 lb ai)	Up to 12 inches
	6 fl oz (0.09 lb ai)	Up to 24 inches
	8 fl oz (0.125 lb ai)	Up to 36 inches
¹ Follow the label of the tank-mix partner for specified rates and adjuvant use.		

DRY SHELLED BEANS Clefandim 240 EC TANK-MIXES WITH BROADLEAF HERBICIDES (See crop specific tables for application directions)		
TANK-MIX PRODUCT ²	Clefandim 240 EC APPLICATION RATES/A ¹	
	ANNUAL GRASSES	PERENNIAL GRASSES
BASAGRAN® (bentazon) (EPA Reg. No. 66330-413)	8– 10 fl oz (0.125 – 0.16 lb ai)	10 – 16 fl oz (0.16 – 0.25 lb ai)
RAPTOR HERBICIDE (imazamox) (EPA Reg. No. 241-379)		
¹ If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Clefandim 240 EC alone – without a tank-mix herbicide – according to the appropriate size and rate directions.		
² Follow the label of the tank-mix partner for specified rates and adjuvant use.		

DRY SHELLED PEAS Clefandim 240 EC TANK-MIXES WITH BROADLEAF HERBICIDES (See crop specific tables for application directions)		
TANK-MIX PRODUCT²	Clefandim 240 EC APPLICATION RATES/A¹	
	ANNUAL GRASSES³	PERENNIAL GRASSES
BASAGRAN (bentazon) (EPA Reg. No. 66330-413)	8 – 10 fl oz (0.125 – 0.16 lb ai)	10 – 16 fl oz (0.16 – 0.25 lb ai)
¹ Apply prior to bloom.		
² Follow the label of the tank-mix partner for specified rates and adjuvant use.		
³ Grass regrowth or incomplete control may occur with these tank-mixes. Make applications to small grasses and if regrowth occurs retreat with another graminicide.		

FLAX REDUCED RATE Clefandim 240 EC TANK-MIXES WITH BROADLEAF HERBICIDES (See crop specific tables for application directions)		
TANK-MIX PRODUCT ^{1,2,3}	Clefandim 240 EC APPLICATION RATES/A	
	ANNUALGRASSES ⁴	PERENNIAL GRASSES
BRONATE ADVANCED™ (bromoxynil) (EPA Reg. No. 264-690) Bromoxynil + MCPA BUCTRIL 2L (bromoxynil) (EPA Reg. No. 264-437) CURTAIL® M (clopyralid, MCPA) (EPA Reg. No. 62719-86) RHONOX MCPA Low Volatile Ester Herbicide (MCPA) (EPA Reg. No. 11685-21)	4 – 5 fl oz (0.06 – 0.08 lb ai)	NA
¹ Follow the label of the tank-mix partner for specified rates and adjuvant use. ² DO NOT apply during or after the bud stage or to ornamental flax as crop injury can occur ³ DO NOT apply tank-mixes when temperatures are expected to exceed 85°F at or for 3 days following application as crop injury can occur. ⁴ Annual grasses and sizes controlled with these tank-mixtures are those that are identified in the DIRECTIONS FOR REDUCED RATE USE IN DRY BEAN, CANOLA, FLAX, MUSTARD SEED, SOYBEAN AND SUGAR BEET FOR SMALL ANNUAL GRASSES table.		

SOYBEAN BURNDOWN Clefandim 240 EC TANK-MIX WITH 2,4-D ESTER IN A BURNDOWN APPLICATION IN NO-TILL SOYBEAN FOR CONTROL OF ANNUAL GRASSES		
TANK-MIX PRODUCT ¹	Clefandim 240 EC APPLICATION RATE/A	ANNUAL GRASS HEIGHT ^{2, 3} (inches)
2,4-D Ester 4 (2,4-D) (EPA Reg. No. 83520-20)	4 fl oz (0.06 lb ai)	1-3 Inch foxtail
	6 fl oz (0.09 lb ai)	1-4 Inch foxtail
	8 fl oz (0.125 lb ai)	Follow grass chart for heights
¹ Follow the 2,4-D ester label for specified rates and drift control measures required. ² Always use Crop Oil Concentrate at 1 qt/A and nitrogen fertilizer for best control of burndown grasses ³ Additional products can be tank-mixed with Clefandim 240 EC + 2,4-D Ester for residual control. These include: Valor® (flumioxazin) (EPA Reg. No. 59639-127); Canopy® (metribuzin, chlorimuron) (EPA Reg. No. 352-444); metolachlor; Prowl® (pendimethalin) (EPA Reg. No. 241-245); and metribuzen.		

SOYBEAN Clefandim 240 EC TANK-MIX- WITH GLYPHOSATE FOR THE CONTROL OF VOLUNTEER CORN (INCLUDING ROUNDUP READY) IN SOYBEAN		
TANK-MIX PRODUCT^{1,2}	Clefandim 240 EC APPLICATION RATE/A	CORN HEIGHT (inches)
GLYPHOSATE (for use on ROUNDUPREADY Soybean only)	4 fl oz (0.06 lb ai)	Up to 12 inches
	6 fl oz (0.09 lb ai)	Up to 24 inches
	8 fl oz (0.125 lb ai)	Up to 36 inches
¹ This For adjuvant loaded glyphosate formulations add 0.25% v/v of additional non-ionic surfactant. For unloaded glyphosate formulations add 1% v/v Crop Oil Concentrate ² This tank-mix may be applied postemergence to ROUNDUP READY soybeans up through full flowering stage. DO NOT apply less than 60 days before harvest.		

SOYBEAN Clefandim 240 EC TANK-MIX- WITH IGNITE 280 SL HERBICIDE FOR THE CONTROL OF GRASSES AND VOLUNTEER CORN IN SOYBEAN		
TANK-MIX PRODUCT¹	Clefandim 240 EC APPLICATION RATE/A	CORN HEIGHT (inches)
IGNITE 280 SL (glufosinate) (EPA Reg. No. 7969-448) (for use on LIBERTYLINK Soybean only)	4 fl oz (0.06 lb ai)	Up to 12 inches
	6 fl oz (0.09 lb ai)	Up to 24 inches
	8 fl oz (0.125 lb ai)	Up to 36 inches
¹ Follow the label of the tank-mix partner for specified rates and adjuvant use.		

SOYBEAN Clefandim 240 EC TANK-MIXES WITH BROADLEAF HERBICIDES (See crop specific tables for application directions)		
TANK-MIX PRODUCT^{2,3,4}	Clefandim 240 EC APPLICATION RATE FOR ANNUAL GRASS CONTROL^{1,5}	Clefandim 240 EC APPLICATION RATE FOR PERENNIAL GRASS CONTROL^{1,5}
COBRA HERBICIDE (lactofen) (EPA Reg. No. 59639-34) 12.5 fl. oz	6 – 8 fl oz/A (0.09 – 0.125 lb ai)	8-16 fl oz/A (0.125 – 0.25 lb ai)
FIRSTRATE® (cloransulam) (EPA Reg. No. 5481-676)		
FLEXSTAR® HL (fomesafen) (EPA Reg. No. 10182-418)		
GLYPHOSATE (For use on Roundup Ready soybean only)		
PURSUIT HERBICIDE (imazethapyr) (EPA Reg. No. 241-310)		
COBRA HERBICIDE (lactofen) (EPA Reg. No. 59639-34) 6 – 8 fl oz + FIRSTRATE® (cloransulam) (EPA Reg. No. 5481-676)	6 – 8 fl oz/A (0.09 – 0.125 lb ai)	6 – 8 fl oz/A (0.09 – 0.125 lb ai)
FLEXSTAR® HL (fomesafen) (EPA Reg. No. 10182-418) + FIRSTRATE® (cloransulam) (EPA Reg. No. 5481-676)		
ULTRA BLAZER® (acifluorfen) (EPA Reg. No. 70506-60)		
RESOURCE HERBICIDE (flumiclorac) (EPA Reg No. 59639-82) 4 – 12 fl oz	6 – 8 fl oz/A (0.09 – 0.125 lb ai)	—
RAPTOR HERBICIDE (imazamox) (EPA Reg. No. 241-379)		
COBRA HERBICIDE (lactofen) (EPA Reg. No. 59639-34) 6 – 8 fl oz + RESOURCE HERBICIDE (flumiclorac) (EPA Reg No. 59639-82)		
COBRA HERBICIDE (lactofen) (EPA Reg. No. 59639-34) 6 – 8 fl oz + RAPTOR HERBICIDE (imazamox) (EPA Reg. No. 241-379)		
CLASSIC® 25 DG (chlorimuron ethyl) (EPA Reg. No. 352-436)		
BASAGRAN (bentazon) (EPA Reg. No. 66330-413)	8 – 10 fl oz/A (0.125 – 0.16 lb ai)	10 – 16 fl oz/A (0.16 – 0.25 lb ai)

SOYBEAN Clefandim 240 EC TANK-MIXES WITH BROADLEAF HERBICIDES (See crop specific tables for application directions)		
TANK-MIX PRODUCT^{2,3,4}	Clefandim 240 EC APPLICATION RATE FOR ANNUAL GRASS CONTROL^{1,5}	Clefandim 240 EC APPLICATION RATE FOR PERENNIAL GRASS CONTROL^{1,5}
COBRA HERBICIDE (lactofen) (EPA Reg. No. 59639-34) 6 – 10 fl oz +	8 – 10 fl oz/A (0.125 – 0.16 lb ai)	—
PURSUIT HERBICIDE (imazethapyr) (EPA Reg. No. 241-310)		
COBRA HERBICIDE (lactofen) (EPA Reg. No. 59639-34) 6 – 8 fl oz +		
CLASSIC® 25 DG (chlorimuron ethyl) (EPA Reg. No. 352-436)		
COBRA HERBICIDE (lactofen) (EPA Reg. No. 59639-34) 6 – 10 fl oz +		
BASAGRAN (bentazon) (EPA Reg. No. 66330-413)		
RESOURCE HERBICIDE (flumiclorac) (EPA Reg No. 59639-82) 4 fl oz +	8 – 10 fl oz/A (0.125 – 0.16 lb ai)	—
PURSUIT HERBICIDE (imazethapyr) (EPA Reg. No. 241-310)		
RESOURCE HERBICIDE (flumiclorac) (EPA Reg No. 59639-82) 4 fl oz +		
CLASSIC® 25 DG (chlorimuron ethyl) (EPA Reg. No. 352-436)		
RESOURCE HERBICIDE (flumiclorac) (EPA Reg No. 59639-82) 4 fl oz +		
BASAGRAN (bentazon) (EPA Reg. No. 66330-413)		
¹ If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Clefandim 240 EC alone – without a tank-mix herbicide – according to the appropriate size and rated directions. ² Follow the label of the tank-mix partner for specified rates and adjuvant use. ³ AMS can be added to all tank-mix partners for improved grass control. ⁴ Refer to the label of the tank-mix partner for geographic and rotational restrictions. ⁵ Annual grasses and sizes controlled with these tank-mixtures are those that are identified in the DIRECTIONS FOR REDUCED RATE USE IN DRY BEAN, CANOLA, FLAX, MUSTARD SEED, SOYBEAN AND SUGAR BEET FOR SMALL ANNUAL GRASSES table.		

PEANUT Clefandim 240 EC TANK-MIXES WITH BROADLEAF HERBICIDES (See crop specific tables for application directions)		
TANK-MIX PRODUCT ²	Clefandim 240 EC APPLICATION RATES/A ¹	
	ANNUAL GRASSES	PERENNIAL GRASSES
BASAGRAN (bentazon) (EPA Reg. No. 66330-413)	8 – 10 fl oz (0.125 – 0.16 lb ai)	NA
STORM® HERBICIDE (bentazon, acifluorfen) (EPA Reg. No. 70506-59)		
ULTRA BLAZER® HERBICIDE (acifluorfen) (EPA Reg. No. 70506-60)		
¹ Make a second application of Clefandim 240 EC alone – without a tank-mix herbicide – according to the appropriate size and rate directions, if grass regrowth occurs or an additional flush of new grass emerges. ² Follow the label of the tank-mix partner for specified rates and adjuvant use.		

PEANUT DIRECTIONS FOR GRASS SUPPRESSION FOR HARVEST EFFICIENCY WITH Clefandim 240 EC			
GRASS SPECIES	WEED STAGE	RATE FL OZ/A (lbs ai/A)	
		Minimum	Maximum
Annual and perennial grasses that exceed height claimed for control on height charts, DIRECTIONS FOR ANNUAL GRASSES” & “DIRECTIONS FOR PERENNIAL GRASSES	Up to and including grasses in the seed head stage	16 (0.25)	32 (0.50)
DO NOT apply as part of a tank-mix when applying Clefandim 240 EC for grass suppression.			

SUGAR BEET Clefandim 240 EC TANK-MIXED WITH STINGER® HERBICIDE OR FUNGICIDES (See crop specific tables for application directions)		
TANK-MIX PRODUCT ²	Clefandim 240 EC APPLICATION RATES/A ¹	
	ANNUAL GRASSES ³	PERENNIAL GRASSES
STINGER HERBICIDE (clopyralid) (EPA Reg. No. 62719-73) GLYPHOSATE (for use on ROUNDUP READY Sugarbeet only) EMINENT® ESP (tetraconazole) (EPA Reg. No. 80289-18) HEADLINE® SC (pyraclostrobin) (EPA Reg. No. 7969-289) GEM™ Fungicide (trifloxystrobin) (EPA Reg. No. 264-781)	6 – 8 fl oz (0.09 – 0.125 lb ai)	8-16 fl oz (0.125 – 0.25 lb ai)
¹ Make a second application of Clefandim 240 EC alone – without a tank-mix herbicide – according to the appropriate size and rate directions, if grass regrowth occurs or an additional flush of new grass emerges. ² Follow the label of the tank-mix partner for specified rates and adjuvant use. ³ Annual grasses and sizes controlled with these tank-mixtures are those that are identified in the DIRECTIONS FOR REDUCED RATE USE IN DRY BEAN, CANOLA, FLAX, MUSTARD SEED, SOYBEAN AND SUGAR BEET FOR SMALL ANNUAL GRASSES table.		

TANK-MIX APPLICATION OF Clefandim 240 EC AND INSECTICIDES FOR CONTROL OF GRASS WEEDS AND INSECTS.

Clefandim 240 EC can be tank-mixed with insecticides that are registered for use in each specific crop. Certain insecticides can cause temporary phytotoxic symptoms on alfalfa and mint (peppermint, tops; spearmint, tops) foliage. For further information on tank-mixing with an insecticide, refer to the insecticide product label. Prior to using any of these insecticide/herbicide tank-mixtures, it is advised to treat a small area of the field and observed for crop injury before treating the entire field with the tank-mixture.

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

Clefandim 240 EC IN TANK-MIXES TO CONTROL ANNUAL AND PERENNIAL GRASSES IN FALLOW LAND		
TANK-MIX PRODUCT	Clefandim 240 EC APPLICATION RATES/A ¹	
	ANNUAL GRASSES	PERENNIAL GRASSES
2,4-D Ester 4 (2,4-D) (EPA Reg. No. 83520-20) or BANVEL HERBICIDE (dicamba) (EPA Reg. No. 66330-276)	6 – 8 fl oz (0.09 – 0.125 lb ai)	8 –16 fl oz. (0.125 – 0.25 lb ai)
¹ See the BANVEL HERBICIDE (dicamba) (EPA Reg. No. 66330-276) and 2,4-D ester labels for use rates, weeds controlled and crop rotation restrictions.		

DIRECTIONS FOR GRASS SUPPRESSION IN NON-CROP AREAS WITH Clefandim 240 EC			
GRASS SPECIES	WEED STAGE	RATE FL OZ/A (lb ai/A)	
		Minimum	Maximum
Annual and perennial grasses that exceed height claimed for control on height chart.	Up to and including grasses in the seed head stage	12 (0.19)	16 (0.25)
DO NOT apply as part of a tank-mix when applying Clefandim 240 EC for grass suppression. Add a crop oil concentrate at 1 qt/A by ground to the finished spray volume.			

Clefandim 240 EC FOR THE CONTROL AND/OR SUPPRESSION OF TALL FESCUE IN NATIVE PRAIRIE WARM-SEASON GRASS RESTORATION PROJECTS				
PRODUCT	PRODUCT RATES	GRASS WEEDS CONTROLLED/SUPPRESSED		WEED STAGES
		Common Name	Scientific Name	
Clefandim 240 EC	10 – 12 fl oz/A (0.16 – 0.19 lb ai/A)	Tall Fescue	<i>Festuca arundinacea</i>	4 to 6 inches tall (40-60% green-up)
ADJUVANT: Clefandim 240 EC must be applied with crop oil concentrate at 1 qt/A and a spray grade ammonium sulfate (AMS) at 2.5 – 4 lb/A or 8.5 –17.0 lb/100 gallons of spray solution. Specified Mixing Order: Thoroughly mix spray grade ammonium sulfate in water, then add Clefandim 240 EC .				

SPECIAL APPLICATION INSTRUCTIONS

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

PRECAUTIONS

- Application of **Clefandim 240 EC** to emerged warm-season grasses may cause injury.

RESTRICTIONS

- **DO NOT** mow area for two (2) weeks after the **Clefandim 240 EC** application.
- **DO NOT** make applications to warm-season grasses grown for seed.
- **DO NOT** graze treated fields or feed treated forage and/or hay to livestock.
- **DO NOT** plant any crop for 30 days after application, unless clethodim is registered for use on that crop.

Clefandim 240 EC FOR THE SUPPRESSION OF TALL FESCUE SEED-HEADS IN NON-PRODUCING AGRICULTURAL AREAS				
PRODUCT	PRODUCT RATE	GRASS WEEDS CONTROLLED/ SUPPRESSED		APPLICATION TIMING
		Common Name	Scientific Name	
Clefandim 240 EC	1.5 – 2 fl oz/A (0.02– 0.03 lb ai/A)	Tall Fescue Seed-Heads	<i>Festuca arundinacea</i>	(50-90% Tall Fescue green-up)
ADJUVANT: Clefandim 240 EC must be applied with crop oil concentrate at 1 qt/A and a spray grade ammonium sulfate (AMS) at 2.5 – 4 lb/A or 8.5 - 17.0 lb/100 gallons of spray solution. Specified Mixing Order: Thoroughly mix spray grade ammonium sulfate in water, then add Clefandim 240 EC ., then add crop oil concentrate				

SPECIAL APPLICATION INSTRUCTIONS

- Make application at 50 to 90% tall fescue green-up.
- If less tall fescue green matter is present, use the higher specified Clefandim 240 EC rate.

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

PRECAUTIONS

- 2,4-D ester, TORDON® 22K (picloram) (EPA Reg. No. 62719-6); GRAZON® P+D (picloram, 2,4-D) (EPA Reg. No. 62719-182) or CROSSBOW® (2,4-D, triclopyr) (EPA Reg. No. 62719-260) may be added to this tank-mix for broadleaf control (see the tank-mix label for use rates, and for weeds controlled.)

RESTRICTIONS

- **DO NOT** mow area for two (2) weeks after the Clefandim 240 EC application.
- **DO NOT** graze treated fields or feed treated forage and/or hay to livestock.
- **DO NOT** plant any crop for 30 days after application unless clethodim is registered for use on that crop.

ORNAMENTALS SPECIFIC DIRECTIONS AND RESTRICTIONS FOR CLEFANDIM 240 EC	
Use Rates Per Acre	Special Use Instructions
6-16 fl oz (0.09-0.25 lb ai)	<p>For ornamental plant uses, Clefandim 240 EC can be used to control labeled grass weeds in greenhouses, lathhouses, shadehouses, and around outdoor ornamentals, including nurseries, parks, roadside plantings, and structure landscapes. The plants listed below have been tested for use with Clefandim 240 EC applications. See tables with listed ornamentals (ornamental trees, ground covers, garden flowers and plants, and shrubs).</p> <p>Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt per 50 gals (0.25% v/v).</p> <p>Use of crop oil concentrate is not advised since it may injure flowers and foliage.</p> <p>Restrictions</p> <ul style="list-style-type: none"> • Clefandim 240 EC 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 (0.250 lb ai) per acre per application. • For spot treatment, DO NOT exceed 0.37 fl oz (0.006 lb ai) per 1000 sq. ft. per single application. • DO NOT make more than 2 applications per acre per year. • DO NOT re-apply less than 14 days from a prior application. • DO NOT apply more than 32 fl oz (0.500 lb ai) per acre per year. • For spot treatment, DO NOT exceed 0.73 fl oz (0.01 lb ai) per 1000 sq ft per year

IMPORTANT

Clefandim 240 EC successfully controls weeds in newly transplanted and established non-grassy ornamentals. Plant safety to **Clefandim 240 EC** 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 **Clefandim 240 EC** have investigated the safety factor to ornamental plants not listed on the label.

The following plants have been tested for use with for **Clefandim 240 EC** 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>

ORNAMENTAL TREES	
COMMON NAME	SCIENTIFIC NAME
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 glauca</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.

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.

GARDEN FLOWERS AND PLANTS	
COMMON NAME	SCIENTIFIC NAME
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>

SHRUBS	
COMMON NAME	SCIENTIFIC NAME
Pittosporum	<i>Pittosporum</i> spp.
Podocarpus	<i>Podocarpus</i> spp.
Privet	<i>Ligustrum</i> spp.
Pyracantha	<i>Pyracantha</i> spp.
Rhododendron	<i>Rhododendron</i> spp.
Rose	<i>Spiraea bumalda</i>
Sweet Olive	<i>Osmanthus fragrans</i>
Viburnum	<i>Viburnum tinus</i>
Wisteria	<i>Wisteria</i> spp.
Yellow Sage/Shrub Verbena	<i>Lantana camara</i>

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

INSTRUCTIONS 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	RATE FL OZ/ACRE ⁽²⁾ (lb ai/A)	HIGH RATE ⁽³⁾ (lb ai/A)
Barnyardgrass	<i>Echinochloa crus-galli</i>	2 to 8	8 (0.125)	16 (0.25)
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	2 to 6	8 (0.125)	16 (0.25)
Brome				
California	<i>Bromus carinatus</i>	2 to 6	8 (0.125)	16 (0.25)
Cheat	<i>Bromus secalinus</i>	2 to 6	8 (0.125)	16 (0.25)
Downy	<i>Bromus tectorum</i>	2 to 6	8 (0.125)	16 (0.25)
Ripgut	<i>Bromus diandrus</i>	2 to 6	8 (0.125)	16 (0.25)
Canarygrass	<i>Phalaris canariensis</i>	1 to 4	8 (0.125)	16 (0.25)
Crabgrass				
Hairy	<i>Digitaria adscendens</i>	2 to 6**	8 (0.125)	16 (0.25)
Large	<i>Digitaria sanguinalis</i>	2 to 6**	8 (0.125)	16 (0.25)
Smooth	<i>Digitaria ischaemum</i>	2 to 6**	8 (0.125)	16 (0.25)
Southern	<i>Digitaria ciliaris</i>	2 to 6**	8 (0.125)	16 (0.25)
Crowfootgrass	<i>Dactyloctenium aegyptium</i>	2 to 6**	8 (0.125)	16 (0.25)
Fall Panicum	<i>Panicum dichotomiflorum</i>	2 to 8	8 (0.125)	16 (0.25)
Field Sandbur	<i>Cenchrus incertus</i>	2 to 6	8 (0.125)	16 (0.25)
Foxtail				
Giant	<i>Setaria faberi</i>	2 to 12	8 (0.125)	16 (0.25)
Green	<i>Setaria viridis</i>	2 to 8	8 (0.125)	16 (0.25)
Yellow	<i>Setaria glauca</i>	2 to 8	8 (0.125)	16 (0.25)
Goosegrass	<i>Eleusine indica</i>	2 to 6**	8 (0.125)	16 (0.25)
Itchgrass	<i>Rottboellia cochlin</i>	2 to 6	8 (0.125)	16 (0.25)
Junglerice	<i>Echinochloa colona</i>	2 to 6	8 (0.125)	16 (0.25)
Lovegrass (Stinkgrass)	<i>Eragrostis cilianensis</i>	2 to 6	8 (0.125)	16 (0.25)
Rabbitsfootgrass	<i>Polypogon monspeliensis</i>	1 to 4	8 (0.125)	16 (0.25)
Red Rice	<i>Oryza sativa</i>	1 to 3	8 (0.125)	16 (0.25)
Rygrass				
Hardy	<i>Lolium remotum</i>	2 to 6	8 (0.125)	16 (0.25)
Italian	<i>Lolium multiflorum</i>	2 to 6	8 (0.125)	16 (0.25)
Seedling Johnsongrass	<i>Sorghum halepense</i>	4 to 10	8 (0.125)	16 (0.25)
Shattercane	<i>Sorghum bicolor</i>	6 to 18	8 (0.125)	16 (0.25)
Southwestern Cupgrass	<i>Eriochloa gracilis</i>	2 to 6	8 (0.125)	16 (0.25)
Sprangletop				
Amazon	<i>Leptochloa panicoides</i>	2 to 6	8 (0.125)	16 (0.25)
Bearded	<i>Leptochloa fascicularis</i>	2 to 6	8 (0.125)	16 (0.25)
Mexican	<i>Leptochloa uninervia</i>	2 to 6	8 (0.125)	16 (0.25)
Red	<i>Leptochloa filiformis</i>	2 to 6	8 (0.125)	16 (0.25)
Texas Panicum	<i>Panicum texanum</i>	2 to 6	8 (0.125)	16 (0.25)
Volunteer Cereals				
Barley	<i>Hordeum vulgare</i>	2 to 6	8 (0.125)	16 (0.25)
Oats	<i>Avena sativa</i>	2 to 6	8 (0.125)	16 (0.25)
Rye	<i>Secale cereale</i>	2 to 6	8 (0.125)	16 (0.25)
Wheat	<i>Triticum aestivum</i>	2 to 6	8 (0.125)	16 (0.25)

GRASS SPECIES	SCIENTIFIC NAME	WEED* HEIGHT INCHES	RATE FL OZ/ACRE ⁽²⁾ (lb ai/A)	HIGH RATE ⁽³⁾ (lb ai/A)
Volunteer Corn	<i>Zea mays</i>	4 to 12	6 (0.09) ⁽¹⁾	8 (0.125)
Volunteer Corn	<i>Zea mays</i>	12 to 24	8 (0.125)	16 (0.25)
Volunteer Grain Sorghum	<i>Sorghum bicolor</i>	8 to 12	8 (0.125)	16 (0.25)
Wild Oats	<i>Avena fatua</i>	2 to 6	8 (0.125)	16 (0.25)
Wild Proso Millet	<i>Panicum miliaceum</i>	2 to 10	8 (0.125)	16 (0.25)
Witchgrass	<i>Panicum capillare</i>	2 to 8	8 (0.125)	16 (0.25)
Woolly Cupgrass	<i>Eriochloa villosa</i>	2 to 8	8 (0.125)	16 (0.25)

*Generally occurs between 3-leaf stage and tillering.

**Length of lateral growth.

⁽¹⁾6 fl oz/A (0.09 lb ai/A) = approximately 0.15 fl oz/1000 sq ft.

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

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

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

INSTRUCTIONS FOR ANNUAL BLUEGRASS CONTROL WITH CLEFANDIM 240 EC IN ORNAMENTALS

GRASS SPECIES	WEED STAGE	RATE FL OZ/ ACRE (lb ai/A)	HIGH RATE (lb ai.A)
Annual Bluegrass (Poa annua)	to 4-leaf	6 (0.09)	16 (0.25)

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

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

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

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

INSTRUCTIONS FOR PERENNIAL GRASSES WITH CLEFANDIM 240 EC 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)	RATE FL OZ/ ACRE ⁽¹⁾ (lb ai/A)	HIGH RATE ⁽²⁾ (lb ai/A)
Bermudagrass (<i>Cynodon dactylon</i>)			
First Application	3 (or up to 6" runners)	8 (0.125)	16 (0.25)
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	8 (0.125)	16 (0.25)
Quackgrass (<i>Elytrigia repens</i>)			
First Application	4 to 8	8 (0.125)	16 (0.25)
Repeat Application(s) (if regrowth occurs)	4 to 8	8 (0.125)	16 (0.25)
Rhizome Johnsongrass (<i>Sorghum halepense</i>)			
First Application	12 to 24	8 (0.125)	16 (0.25)
Repeat Application(s) (if regrowth occurs)	6 to 18	6 (0.09)	8 (0.125)
Wirestem Muhly (<i>Muhlenbergia frondosa</i>)			
First Application	4 to 8	8 (0.125)	16 (0.25)
Repeat Application(s) (if regrowth occurs)	4 to 8	8 (0.125)	16 (0.25)
⁽¹⁾ 6 fl oz/A (0.09 lb ai/A) = approximately 0.15 fl oz/1000 sq ft.			
⁽²⁾ 8 fl oz/A (0.125 lb ai/A) = approximately 0.2 fl oz/1000 sq ft.			
⁽²⁾ 16 fl oz/A (0.25 lb ai/A) = approximately 0.4 fl oz/1000 sq ft.			
Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt per 50 gals (0.25% v/v).			

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to PRECAUTIONARY STATEMENTS on label for hazards associated with the handling of this material. **DO NOT** walk through spilled material. Dispose of pesticides as directed below. In spill or leak incidents, keep unauthorized people away.

PESTICIDE DISPOSAL:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Non-refillable plastic container. Rigid, Non-refillable plastic containers small enough to shake (i.e., with capacities equal to or less than 5 gallons). DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix-tank. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix-tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix-tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix-tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once container is rinsed, offer for recycling if available, or puncture and dispose of in a sanitary landfill.

Non-refillable plastic containers. Rigid Non-refillable plastic containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs). DO NOT reuse or refill this container. After emptying product from container, rinse and either recycle or dispose of the container as follows: Bottom Discharge IBC (e.g. Schuetz Caged IBC or Snyder Square Stackable).

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix-tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal.

Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g. Snyder 120 Next Gen, Bonar B120, Drums, and Kegs). Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or rinsate collection system. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill. [Batch Code will be placed on the container.]

Warranty and Disclaimer Statement

Read the entire DIRECTIONS FOR USE and Warranty and Disclaimer Statement before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The DIRECTIONS FOR USE of this product must be followed carefully. It is impossible to eliminate all risks associated with the use of this product including risks that may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors. Such risks are all beyond the control of Yifan Biotechnology Group Co., Ltd. ("YIFAN") and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. All such risks shall be assumed by the user or buyer and to the extent permitted by applicable law, the user or buyer agree to hold YIFAN harmless for any claims relating to such risks.

YIFAN warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the DIRECTIONS FOR USE, subject to the inherent risks described above, when used in accordance with the DIRECTIONS FOR USE under normal conditions. To the extent permitted by applicable law, this warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of YIFAN, and the user or buyer assume the risk of any such use.

To the extent permitted by applicable law, YIFAN disclaims all other warranties, expressed or implied, including any warranty of merchantability or fitness for a particular purpose. To the extent permitted by applicable law, YIFAN, manufacturer, and seller disclaim and shall not be liable for any special, incidental, indirect, or consequential damages (including claims based on breach of warranty, contract, negligence, tort, strict liability or otherwise) resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties, and the user and buyer waive any right that they may have to such damages. No agent, representative or employee of YIFAN is authorized to make any warranty, guarantee or representation beyond those contained herein or to modify the warranties contained herein.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF YIFAN, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT YIFAN'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

HARMONY and SYNCHRONY are registered trademarks of E.I. du Pont de Nemours & Co., Inc.

BASAGRAN is a registered trademark of BASF Aktiengesellschaft.

HEADLINE is a registered trademark of BASF Agrochemicals Products B.V.

PURSUIT and RAPTOR are registered trademarks of BASF Corp.

BUCTRIL is a registered trademark of Bayer CropScience Inc.

IGNITE is a registered trademark of Bayer CropScience AG.

LIBERTYLINK is a registered trademark of Bayer CropScience Inc.

BRONATE ADVANCED is a trademark of Rhone-Poulenc Agrochimie Corporation.

GEM is a trademark of Bayer Aktiengesellschaft.

COBRA and RESOURCE are registered trademarks and PHOENIX is a trademark of Valent U.S.A. Corp.

CROSSBOW, CURTAIL, FIRSTRATE, GRAZON, STINGER, and TORDON are registered trademarks and FRONTROW is a trademark of Dow AgroSciences LLC.

EMINENT is a registered trademark of ISAGRO S.p.A.

FLEXSTAR is a registered trademark of Syngenta Participations AG.

ROUNDUP READY is a registered trademark of Monsanto Technology Company, LLC.

STORM and ULTRA BLAZER are registered trademarks of United Phosphorus, Ltd.