

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

August 24, 2016

Terrie Moore Regulatory Affairs Manager Bayer Crop Science 2 T.W. Alexander Drive RTP, NC 27709

Subject: Label Amendment – Add Spray Drift and Herbicide Resistance Management

language

Product Name: Acclaim Extra Herbicide EPA Registration Number: 432-950 Application Date: April 4, 2016 Decision Number: 515895

Dear Ms. Moore:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Aswathy Balan by phone at 703-347-0510, or via email at balan.aswathy@epa.gov.

Sincerely,

Erik Kraft, Acting Product Manager 24 Fungicide and Herbicide Branch Registration Division (7505P)

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Office of Pesticide Programs

Enclosure

GROUP	1	HERBICIDE
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ACCLAIM®EXTRA HERBICIDE

Editorial Note – Marketing claim positioned here

For postemergence annual and perennial grass control in turfgrass including sod farms, commercial and residential turf, and ornamentals

• Editorial Note - [Bracketed text] is optional

ACTIVE INGREDIENT:

EPA Reg. No. 432-950 EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION

See [Back][Side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use. (Note to reviewer: Location of additional precautionary statements, directions for use will vary between those listed, depending on container type/size.)

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-800-331-2867

NET CONTENTS: 1 Pint, 1 Gallon, and 2.5 Gallon

FIRST AID		
If swallowed:	 Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. 	
If in eyes:	 Hold eyes 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. Call a poison control center or doctor for treatment advice. 	

ACCEPTED

08/24/2016

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 400, 000

432-950

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^{*}Equivalent to 0.57 pound of pure fenoxaprop-p-ethyl (d isomer) per gallon

^{**}Contains petroleum distillates

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

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

Personal Protective Equipment (PPE) Applicators and other handlers must wear:

Long-sleeved shirt and long pants, shoes plus socks.

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

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor runoff or drift. Do not contaminate arable land and/or water when disposing of equipment washwaters.

PRODUCT INFORMATION

ACCLAIM EXTRA HERBICIDE is a water emulsion formulation containing 0.57 pound of active ingredient per gallon. ACCLAIM EXTRA HERBICIDE is used for postemergence control of annual grass weeds and suppression of some perennial grass weeds in established turfgrass and ornamental species. ACCLAIM EXTRA HERBICIDE does not control broadleaf weeds or sedges.

ACCLAIM EXTRA HERBICIDE is absorbed through the foliage. Thorough coverage is important. Visual injury on the grass weed is evident approximately 4 to 10 days after application (dependent upon environmental conditions) but control of the grass weeds will take 12 to 21 days. Visible effects begin as a chlorosis (yellowing) and/or reddening of the leaf surface followed by death of the weed.

DIRECTIONS FOR USE

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

Do not apply until you have read the entire label.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical resistant gloves such as: butyl rubber > 11 mils; or natural rubber > 14 mils; or neoprene rubber > 14 mils; or nitrile rubber > 14 mils, shoes plus socks.

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. The uses on commercial and residential turf, ornamentals, and rights-of-way are not within the scope of the WPS. Keep unprotected persons out of treated areas until sprays have dried.

DIRECTIONS FOR USE IN TURFGRASS SPECIES

ACCLAIM EXTRA HERBICIDE can be applied as a broadcast application to all cultivars of the following turfgrass species:

Common Name	Scientific Name
Kentucky bluegrass	Poa pratensis
Perennial ryegrass	Lolium perenne
Fine fescue	Festuca rubra
Tall fescue	Festuca arundinaceae
Annual bluegrass	Poa annua
Zoysia grass	Zoysia spp.
Creeping Bentgrass*	Agrostis palustris

^{*}Follow special Directions For Use On Bentgrass Turf.

WEED SPECIES CONTROLLED ACCLAIM EXTRA HERBICIDE will control the following annual grass weeds:

Common Name	Scientific Name
Smooth crabgrass	Digitaria ischaemum
Large crabgrass	Digitaria sanguinalis
Goosegrass, silver crabgrass	Eleusine indica
Barnyardgrass	Echinochloa crus-galli
Foxtail species	Setaria spp.
Panicum species	Panicum spp.
Johnsongrass (seedling)	Sorghum halepense
Sandbur	Cenchrus incertus
Sprangletop	Leptochloa spp.
Japanese Stiltgrass	Microstegium vimineum

WEED SPECIES SUPPRESSED

ACCLAIM EXTRA HERBICIDE will temporarily suppress the growth of the following perennial grass weeds:

Common Name	Scientific Name
Common bermudagrass	Cynodon dactylon
Johnsongrass (rhizome)	Sorghum halepense

ACCLAIM EXTRA HERBICIDE will suppress the growth of common Bermudagrass and rhizome Johnsongrass. Apply ACCLAIM EXTRA HERBICIDE at 20 fl oz/A (0.46 fl oz/1,000 sq ft) as soon as common Bermudagrass or rhizome Johnsongrass begins growth.

Repeat applications of ACCLAIM EXTRA HERBICIDE every 28 to 35 days to continue growth suppression of these species. Do not apply more than a total of 120 fl oz per acre (2.75 fl oz/1,000 sq ft) per year.

RESISTANCE MANAGEMENT

Fenoxaprop-p-ethyl, the active ingredient in Acclaim Extra, is a Group 1 herbicide (Acetyl CoA Carboxylase Inhibitor) based on the mechanism of action classification system of the Weed Science Society of America. Continual use of any herbicide with the same mechanism of action may lead to selection of resistant weed populations and reduction in efficacy. To manage the development and spread of resistant weed populations in turfgrass, use multiple herbicide mechanisms of action in mixture, sequence or rotation. Use herbicides at their full specified label rates for the hardest to control weed species present and in conjunction with sound cultural practices to enhance turfgrass competitiveness. Scout sites early and often to keep weeds under control. Monitor sites after herbicide application to ensure control was achieved and to avoid allowing surviving weeds to reproduce by seed or to proliferate vegetatively. Clean equipment between sites to minimize weed spread.

Contact your local extension specialist and /or Bayer representative for additional resistance management or IPM recommendation. Also for more information on Weed Resistance Management, visit the Herbicide Resistance Action Committee (HRAC) on the web at http://www.hracglobal.com.

APPLICATION INFORMATION

ACCLAIM EXTRA HERBICIDE is a systemic herbicide which controls only grasses which are emerged at the time of spraying. Young, actively growing grass weeds are more easily controlled than larger grass weeds. Use 40-80 gallons of product per acre for thorough coverage. Refer to the following application rate and timing chart for application rates and timing of application. Avoid applications to turfgrass under stress due to lack of moisture, chemical injury or temperature extremes.

SPRAY DRIFT

- Select nozzles and pressure that deliver medium or coarser spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASABE Standard S-572.
- Applicators may spray only when wind speed is between 3 and 10 mph.
- For aerial applications, the maximum release height must be no higher than I0 feet from the top of the crop canopy, unless a greater application height is required for pilot safety.
- For aerial applications, the distance of the outer most nozzles on the boom must not exceed three-fourths of the length of the wingspan or rotor diameter. To further reduce drift, use one-half of the length of the wingspan or rotor diameter at the edge of a field.

ACCLAIM EXTRA HERBICIDE APPLICATION RATE AND TIMING CHART

ANNUAL GRASS WEED GROWTH STAGE	FL OZ/A	FL OZ / 1,000 SQ FT
1-leaf to 2-leaf*	3.5	0.08
Untillered **	9	0.21
Untillered	13	0.30
1-tiller to 2-tiller	20	0.46
3-tiller to 4-tiller	28***	0.64
4-tiller to 5-tiller	39***	0.90

^{*}Apply this rate for use in multiple applications on Bentgrass turf.

Pressurized Hydraulic Sprayer Application

Apply ACCLAIM EXTRA HERBICIDE by means of a pressurized hydraulic sprayer using 30 to 60 psi and 40 to 80 gal of water per acre (0.9 to 1.4 gal of finished spray/1,000 sq ft). Thorough spray coverage is essential for optimum results. Flat fan nozzles are recommended.

High Volume Handgun Spray Application

If a low pressure (<30 psi), high volume (>60 gpa) handgun type sprayer is utilized, the addition of a surfactant at 32 fl oz/100 gal is recommended. Thorough coverage is essential for optimum results.

Hand-Held Sprayer Application for Spot Treatments

For hand-held pump-type sprayers, add 0.30 to 0.46 fl oz of ACCLAIM EXTRA HERBICIDE /gal of water. Apply 0.30 fl oz of product/gal of water when the grass weed is in the 1 to 4-leaf stage of growth. Apply 0.46 fl oz of product/gal of water when the grass weed has 1 to 2-tillers. Spray target weeds thoroughly to the point of spray deposit runoff. Optimum results occur when spray coverage is thorough. The addition of a surfactant will improve coverage. A dye or colorant may be added to avoid spray pattern overlap.

MIXING DIRECTIONS

ACCLAIM EXTRA HERBICIDE must be thoroughly mixed to ensure adequate weed control. Follow the directions below when preparing spray mixtures.

Broadcast Spray Equipment

Fill the tank with approximately half of the required water and, with the pump or agitator operating, add the required amount of herbicide and continue filling the tank with the remainder of the water. Add surfactant if needed and mix thoroughly before the application is made.

^{**}Apply this rate only when tank mixing with pre-emergence herbicides.

^{***}Do not apply more than 28 ounces of product to Kentucky bluegrass or Zoysia grass per application. Do not apply more than 39 ounces of product to tall fescue, fine fescue or annual and perennial ryegrass.

Back pack or Hand-held Spray Equipment

Fill the tank with approximately half of the required water then add the required amount of herbicide to the tank. Replace the cap and agitate by shaking and/or inverting the sprayer. Add the remaining water required and surfactant if needed, then repeat agitation to ensure that the herbicide solution is thoroughly mixed.

MOWING INFORMATION

Do not mow treated areas for at least 24 hours to allow time for penetration and translocation into the grass weeds. The effectiveness of ACCLAIM EXTRA HERBICIDE is reduced when grass clippings interfere with thorough spray coverage of the target weeds.

REPEAT APPLICATION INFORMATION

Repeat applications of ACCLAIM EXTRA HERBICIDE may be required under the following conditions (refer to the Application Rate and Timing Chart for dosages):

- (a) Continued grass weed seed germination after the initial application
- (b) When dense populations of weeds prevent thorough spray coverage of the entire leaf surface of target weeds
- (c) For suppression of common Bermudagrass and rhizome Johnsongrass

Do not apply more than a total of 120 fl oz of product/A (2.75 fl oz/1,000 sq ft) per year. Avoid applying repeat applications of ACCLAIM EXTRA HERBICIDE sooner than 14 days after the previous application. Repeat ACCLAIM EXTRA HERBICIDE applications must be made only to grass weeds with vigorous growth. If turfgrass stunting occurred with the previous application, avoid applying until turfgrass recovery is complete (unless temporary stunting can be tolerated).

DIRECTIONS FOR USE OF ACCLAIM EXTRA HERBICIDE IN TANK MIXES

ACCLAIM EXTRA HERBICIDE is compatible in tank mixes with many other commonly used herbicides, insecticides, fungicides, and fertilizers. Always follow the use directions in accordance with the respective labels. Compatibility of ACCLAIM EXTRA HERBICIDE and other products must be determined in a jar test as follows:

- 1. Using a clear glass jar three-quarters full with water.
- 2. Add the appropriate amount of herbicide in the following order; (a) dry flowable, (b) wettable powder, (c) aqueous suspensions, (d) flowables, (e) liquids and (f) solutions and emulsifiable or liquid concentrates. Shake or gently stir jar after each addition to thoroughly mix.
- 3. After adding all ingredients, let the mixture stand for 15 minutes and then look for separation, large flakes, precipitates, gels, and heavy oily film on the jar or other signs of incompatibility.
- 4. If the compatibility test shows signs of incompatibility, do not tank mix the product tested with ACCLAIM EXTRA HERBICIDE.

A. PRE-EMERGENCE RESIDUAL HERBICIDES

A tank mix application of ACCLAIM EXTRA HERBICIDE and residual herbicides may be made to provide residual annual grass control. Apply ACCLAIM EXTRA HERBICIDE at rates of 9.0 - 28 fl oz/A or 0.21 - 0.64 fl oz/1,000 sq ft according to the application rate and timing chart when tank mixing with the following products: Barricade®, bensulide 4E, Dacthal®, Dimension®, Pendimethalin®, Tupersan® and Ronstar® WP.

B. POSTEMERGENCE BROADLEAF HERBICIDES

A tank mix application of ACCLAIM EXTRA HERBICIDE and broadleaf herbicides may be made to provide broadleaf weed and annual grass weed control. Apply after grass weed germination.

Apply ACCLAIM EXTRA HERBICIDE at rates of 9.0 - 39 fl oz/A or 0.21 - 0.90 fl oz/1,000 sq ft according to the application rate and timing chart when tank mixing with the following products: dicamba, Confront®, Turflon®, Amine, and Turflon® Ester.

Apply the 9 oz rate only when tank mixing with pre-emergence products.

Always apply the following tank mixes of ACCLAIM EXTRA HERBICIDE with pendimethalin at $2.5 \, \text{lbs/A}$ or $0.9 \, \text{fl}$ oz/1,000 sq ft. Apply before grass weeds tiller at a rate of $28 \, \text{fl}$ oz/A or $0.64 \, \text{fl}$ oz/1,000 sq ft.

ACCLAIM EXTRA HERBICIDE tank mixes for control of Bermudagrass in Zoysia grass and Tall fescue:

Tank mixes of ACCLAIM EXTRA HERBICIDE and triclopyr ester may be used to control Bermudagrass in Zoysia grass and tall fescue when used in a treatment program. A tank mixture of ACCLAIM EXTRA HERBICIDE at 20-28 fl oz/A and 16 - 32 oz of triclopyr beginning two weeks prior to the time when Bermudagrass normally becomes evident in Zoysia grass and Tall fescue. For the best results, repeat applications every 4 - 6 weeks for up to 5 applications a season depending on your local conditions. Use the lower rates for uniform populations of Bermudagrass intermixed with the desired turf and higher rates where large Bermudagrass patches are dominant in the turf stand. Do not apply ACCLAIM EXTRA HERBICIDE at more than a total of 120 fl oz/A (2.75 fl oz/1,000 sq ft) per year.

NOTES FOR WEED CONTROL IN TURFGRASSES

- 1. Stunting and/or chlorosis may occur on succulent, rapidly growing Kentucky bluegrass. Symptoms are temporary and will subside.
- 2. Adequate soil moisture will enhance the performance of ACCLAIM EXTRA HERBICIDE. Avoid application of ACCLAIM EXTRA HERBICIDE under DROUGHT STRESS conditions. Thorough irrigation one to two days before or within one day after application will be helpful under these conditions.

- 3. Rainfall or irrigation before pray deposit has dried may cause a reduction in grass control. Allow spray deposit to dry at least one hour before irrigation.
- 4. ACCLAIM EXTRA HERBICIDE may be applied at no more than 9.0 fl oz/A on Kentucky bluegrass seedlings that have tillered and have been emerged for at least one month. Temporary discoloration and stunting of bluegrass seedlings may occur at this timing. Seedlings will recover, however; and the final bluegrass stand will be improved due to reduced competition from the annual grass weeds. Annual grass weeds must be untillered at the time of application for adequate control. Do not reapply ACCLAIM EXTRA HERBICIDE to previously treated seedling Kentucky bluegrass for at least two months. When utilizing ACCLAIM EXTRA HERBICIDE at rates higher than 9.0 fl oz/A, Kentucky bluegrass seedlings must be at least three growing months old. DO NOT apply ACCLAIM EXTRA HERBICIDE to seedling fine leaf fescue, tall fescue, or perennial ryegrass less than 4 weeks old.
- 5. Broadleaf herbicides such as 2,4-D or MCPP may reduce the effectiveness of ACCLAIM EXTRA HERBICIDE. Do not apply ACCLAIM EXTRA HERBICIDE within 21 days following a 2,4-D or MCPP application, or 5 days before a 2,4-D or MCPP application.
- 6. ACCLAIM EXTRA HERBICIDE is a selective grass weed herbicide and has little or no activity on broadleaf plants and sedges.
- ACCLAIM EXTRA HERBICIDE may be applied to newly plugged Zoysia grass. Fescues and ryegrass may be overseeded immediately following ACCLAIM EXTRA HERBICIDE applications. All other turf species must be overseeded after a 21-day waiting period.
- 8. DO NOT APPLY this product through any type of irrigation system.
- 9. DO NOT APPLY ACCLAIM EXTRA HERBICIDE to sod within 4 weeks before cutting for transplanting or within 4 weeks after transplanting.
- 10. Annual grass weeds that have multiple tillers may require repeat applications.

DIRECTIONS FOR USE ON BENTGRASS TURF

ACCLAIM EXTRA HERBICIDE may be applied only to the following established bentgrass varieties maintained at a minimum cutting height of at least 1/4 inch: Penncross, Penneagle, Pennlinks, J.H. Bent, Southshore, SR 1020, Providence, Putter, Kingstown, Tracenta, Bardot, Egmont, Allure, Seaside, and Colonial. The turf must be established for at least one growing season before ACCLAIM EXTRA HERBICIDE is applied. DO NOT APPLY TO BENTGRASS PUTTING GREENS.

To control crabgrass and goosegrass in bentgrass turf, apply 0.08 fl oz/1,000 sq ft (3.5 fl oz/A). The ACCLAIM EXTRA HERBICIDE applications must be made at 14 to 21-day intervals beginning when annual grass weeds first emerge and are not larger than 2-leaf. Repeat applications throughout the summer as new infestations of 1 to 2 leaf annual grass weeds occur. DO NOT apply more than 10 applications per year. Delay repeat applications to bentgrass turf under stress conditions. Injury may occur when applied during or immediately following periods of prolonged cool and/or moist conditions. Tank mixing with micronutrient mixes containing nitrogen and iron or slow release nitrogen products may alleviate injury symptoms to bentgrass turf. Spray volumes of 100 gal/A (2.30 gal/1,000 sq ft) are suggested for improved bentgrass turf tolerance. DO NOT tank mix ACCLAIM EXTRA HERBICIDE with other pesticides or fertilizers on bentgrass turf except those fungicides listed on this label. The use of a colorant or dye in the spray tank is recommended so that spray pattern overlapping can be avoided.

DIRECTIONS FOR USE IN ORNAMENTALS

ACCLAIM EXTRA HERBICIDE can be applied for control of grass weeds in a wide range of established ornamental species. Plant tolerance may vary according to environmental conditions. Determine tolerance prior to extensive use.

ACCLAIM EXTRA HERBICIDE may be applied as a broadcast spray in the following plantings:

DECIDUOUS AND EVERGREEN TREES AND SHRUBS

Common Name	Scientific Name
Azalea	Rhododendron
Barberry	Berbis
Boxwood, Korean	Buxus
Cotoneaster	Cotoneaster
Dogwood, flowering	Cornus
English Ivy	Hedera
Euonymus	Euonymus
False Cypress	Chamaecyparis
Firethorn	Pyracantha
Forsythia	Forsythia
Hawthorn	Crataegus

Holly, American	llex
Holly, Japanese	llex
Holly, meservae	llex
Hydrangea	Hydrangea
Juniper, Blue Rug	Juniperus
Juniper, Dwarf Shore	Juniperus
Juniper, Parsonii	Juniperus
Juniper, San Jose	Juniperus
Juniper, Wiltoni	Juniperus
Magnolia	Magnolia
Maple, Japanese	Acer
Maple, Red	Acer
Nandina	Nandina
Oleander	Nerium
Periwinkle	Vinca
Photinia	Photinia
Pine, White	Pinus
Privet	Ligustrum
Rhododendron	Rhododendron
Rose	Rosa
Viburnum	Viburnum
Weigela	Weigela
Willow	Salix
Yew	Taxus

HERBACEOUS & FLOWERING PLANTS

Common Name	Scientific Name	Common Name	Scientific Name	Common Name	Scientific Name
African Daisy	Osteospermum	Dames Rocket	Hesperis	Prairie Coneflower	Ratibida
Ajuga	Ajuga	Dwarf Columbine	Aquilegia	Red Yarrow	Achillea
Astilbe	Astilbe	Dwarf Cornflower	Centaurea	Rocket Larkspur	Delphinium
Baby Blue Eyes	Nemophila	English Wallflower	Erysimum	Rocky Mt. Penstemon	Penstemon
Baby's Breath	Gypsophila	Forget-Me-Not	Myosotis	Roman Chamomile	Matricaria
Begonia	Begonia	Forget-Me-Not	Anchusa	Scarlet Flax	Linum
Bellflower	Campanula	Gaillardia	Gaillardia	Siberian Wallflower	Erysimum
Black-Eyed Susan	Rudbeckia	Garland Chrysanthemum	Chrysanthemum	Small Burnet	Sanguisorba
Bleeding Heart	Dicentra	Gazania	Gazania	Snapdragon	Antirrhinum
Blue Bells	Mertensia	Geranium	Pelargonium	Snow-in-Summer	Cerastium
Blue Flax	Lobelia	Gilia	Gilia	Soapwort	Saponaria
California Poppy	Eschscholzia	Hosta	Hosta	Spurred Snapdragon	Antirrhinum
Candytuft	Iberis	Iris	Iris	Starflower	Trientalis
Catchfly	Silene	Leopards-Bane	Doronicum	Statice, Annual	Statice
Chrysanthemum	Chrysanthemum	Liatris	Liatris	Sweet Alyssum	Lobulari
Coleus	Coleus	Lily, day	Hemerocallis	Sweet William	Dianthus
Columbine	Aquilegia	Liriope	Liriope	Tall Primrose	Oenothera
Coneflower, Purple	Echinacea	Maiden Pinks	Dianthus	Tall Godetia	Godetia
Coreopsis	Coreopsis	Missouri Primrose	Oenothera	Tidy Tips	Layia
Corn Poppy	Papaver	Mountain Phlox	Phloxhera	White Yarrow	Achillea
Cosmos	Cosmos	Peony	Peony	Wild Thyme	Thymus
Creeping Zinnia	Sanvitalia	Periwinkle, annual	Vinca	Zinnia	Zinnia
Daisy, Shasta	Chrysanthemum	Pimpernel	Anagallis		

Applications of ACCLAIM EXTRA HERBICIDE in the culture of the following ornamental plants will result in phytotoxicity:

Common Name	Scientific Name
Juniper, Barharbor	Juniperus
Philodendron	Philodendron
Salvia	Salvia
Podocarpus	Podocarpus
Pittosporum	Pittosporum

WEED SPECIES CONTROLLED

ACCLAIM EXTRA HERBICIDE will control the following annual grass weeds:

Common Name	Scientific Name
Smooth Crabgrass	Digitaria ischaemum
Hairy Crabgrass	Digitaria sanguinalis
Goosegrass, Silver	Eleusine indica
Crabgrass	
Barnyardgrass	Echinochloa crus-galli
Foxtail Species	Setaria spp.
Panicum Species	Panicum spp.
Johnsongrass (seedlings)	Sorghum halepense
Sandbur	Cenchrus incertus
Sprangletop	Leptochloa spp.

WEED SPECIES SUPPRESSED

ACCLAIM EXTRA HERBICIDE will temporarily suppress the growth of the following perennial grass weeds:

Common Name	Scientific Name
Common Bermudagrass	Cynodon dactylon
Johnsongrass (rhizome)	Sorghum halepense

ACCLAIM EXTRA HERBICIDE will suppress the growth of common Bermudagrass and rhizome Johnsongrass. Apply ACCLAIM EXTRA HERBICIDE at 20 fl oz/A (0.46 fl oz/1,000 sq ft) as soon as common Bermudagrass or rhizome Johnsongrass begins growth. Repeat applications of ACCLAIM EXTRA HERBICIDE every 28 to 35 days (never sooner than 14 days) to continue growth suppression of these species.

APPLICATION INFORMATION

ACCLAIM EXTRA HERBICIDE only controls grasses which are emerged at the time of spraying. Young, actively growing grass weeds are more easily controlled than larger grass weeds. Refer to the following application rate and timing chart for dosages. Avoid applications to ornamentals under stress due to lack of moisture, chemical injury or temperature extremes.

ACCLAIM EXTRA HERBICIDE APPLICATION RATE AND TIMING CHART		
Annual Grass Weed Growth Stage	fl oz/ Acre	fl oz/1,000 sq ft
Untillered	13	0.30
1 tiller to 2 tiller	20	0.46
3 tiller to 4 tiller	28	0.64
4 tiller to 5 tiller	39	0.90

Pressurized Hydraulic Sprayer Application

Apply ACCLAIM EXTRA HERBICIDE by means of a pressurized hydraulic sprayer using 30 to 60 psi and 40 to 80 gallons of water per acre (0.7 to 1.4 gal of finished spray per 1,000 sq ft). Thorough spray coverage is essential for optimum results. Flat fan nozzles are recommended.

High Volume Handgun Spray Application

If a low pressure (<30 psi), high volume (>60 gpa) handgun type sprayer is utilized, the addition of a surfactant at 32 fl oz/100 gal is recommended. Thorough coverage is essential for optimum results.

Hand-Held Sprayer Application for Spot Treatments

For hand-held pump-type sprayers, add 0.30 to 0.46 fl oz of ACCLAIM EXTRA HERBICIDE per gallon of water. Apply the lower rate when grass weeds have less than two tillers. Spray target weeds thoroughly to the point of spray deposit runoff. Optimum results occur when spray coverage is thorough. The addition of a surfactant will improve coverage. A dye or colorant may be added to avoid spray pattern overlap.

REPEAT APPLICATION INFORMATION

Repeat applications of ACCLAIM EXTRA HERBICIDE may be required under the following conditions (refer to the Application Rate and Timing Chart for dosages):

- (a) Continued grass weed seed germination after the initial application.
- (b) When dense populations of weeds prevent thorough spray coverage of the entire leaf surface of target weeds.
- (c) For suppression of common Bermudagrass, repeat applications of ACCLAIM EXTRA HERBICIDE may be necessary to retard new growth.
- (d) For suppression of rhizome Johnsongrass, apply ACCLAIM EXTRA HERBICIDE when the Johnsongrass is 24 to 60 inches tall. For best results, do not apply within 3 weeks following a mowing. Mowing immediately after the application may reduce the effectiveness of the ACCLAIM EXTRA HERBICIDE treatment.

Do not apply more than a total of 120 fl oz/A (2.75 fl oz/1,000 sq ft) per year. Apply ACCLAIM EXTRA HERBICIDE at 20 fl oz/A (0.46 fl oz/1,000 sq ft) as soon as common Bermudagrass or rhizome Johnsongrass begins growth. Repeat applications of ACCLAIM EXTRA HERBICIDE every 28 to 35 days (never sooner than 14 days) to continue growth suppression of these species. Repeat ACCLAIM EXTRA HERBICIDE applications must be made only to grass weeds with vigorous growth. If stunting or injury occurred with the previous application, avoid applying until turfgrass recovery is complete (unless temporary stunting can be tolerated).

NOTES FOR WEED CONTROL IN ORNAMENTALS

- 1. Stunting and/or chlorosis may occur on succulent, rapidly growing ornamentals. Symptoms are temporary and will subside.
- 2. Adequate soil moisture will enhance the performance of ACCLAIM EXTRA HERBICIDE. Avoid application of ACCLAIM EXTRA HERBICIDE under DROUGHT STRESS conditions. Thorough irrigation one to two days before or within one day after application will be helpful under these conditions. Rainfall or irrigation within one hour of application may cause a reduction in grass control. Allow spray deposit to dry before irrigation.
- 3. DO NOT APPLY this product through any type of irrigation system.

DIRECTIONS FOR USE IN RIGHTS-OF-WAY

ACCLAIM EXTRA HERBICIDE can be applied to all cultivars of the following cool season grass species:

Common Name	Scientific Name
Smooth Brome	Bromus inermis
Perennial Ryegrass	Lolium perenne
Fine Fescue	Festuca rubra spp.
Tall Fescue	Festuca arundinaceae
Common Bermudagrass	Cynodon dactylon
Wheatgrass	Agropyron spp.

ACCLAIM EXTRA HERBICIDE can be applied alone postemergence to established wildflower species as a broadcast spray for control of grass weeds in the following:

WILDFLOWER SPECIES		
Common Name	Scientific Name	
African Daisy	Dimorphotheca	
Annual Indian Blanket	Gaillardia	
Baby Blue Eyes	Nemophila	
Baby's Breath	Gypsophila	
Birds Eyes	Gilia	
Black-Eyed Susan	Rudbeckia	
Blue Bells	Mertensia	
Blue Flax	Linum	
California Poppy	Eschscholzia	
Catchfly	Silene	
Cosmos	Cosmos	
Creeping Zinnia	Sanvitalia	
Dames Rocket	Hesperis	
Dwarf Columbine	Aquilegia	
Dwarf Cornflower	Centaurea	
Dwarf Lance Leafed Coreopsis	Coreopsis	
English Wallflower	Cheiranthus	
Forget-Me-Not	Anchusa	
Garland Chrysanthemums	Chrysanthemum	
Gilia	Gilia	
Globe Gilia	Gilia	
Johnny Jump Up	Viola	
Lemon Mint	Monarda	
Maiden Pinks	Dianthus	
Missouri Primrose	Oenothera	
Mountain Phlox	Phlox	
Pimpernel	Anagallis	
Prairie Coneflower	Ratibida	
Purple Coneflower	Echinace	
Red Yarrow	Achillea	
Rocket Larkspur	Delphinium	
Rocky Mountain Penstemon	Penstemon	
Roman Chamomile	Matricaria	
Scarlet Flax	Linum	
Siberian Wallflower	Erysimum	
Small Burnet	Sanguisorba	

Soapwort	Saponaria
Spurred Snapdragon	Linaria
Starflower	Trientalis
Sweet Allyssum	Lobularia
Sweet Williams	Dianthus
Tall Evening Primrose	Oenothera
Tall Godetia	Godetia
Tall Plains Coreopsis	Coreopsis
Tidy Tips	Layia
White Yarrow	Achillea
Wild Thyme	Thymus

ESTABLISHED DESIRABLE NATIVE GRASSES

Common Name	Scientific Name
Big Bluestem	Andropogon
Blue Grama	Bouteloua
Little Bluestem	Andropogon
Sideoats Grama	Bouteloua

ACCLAIM EXTRA HERBICIDE will control the following grass weeds:

Common Name	Scientific Name
Smooth Crabgrass	Digitaria ischaemum
Hairy Crabgrass	Digitaria sanguinalis
Goosegrass/Silver Crabgrass	Eleusine indica
Barnyardgrass	Echinochloa crus-galli
Foxtail Species	Setaria spp.
Panicum Species	Panicum spp.
Johnsongrass	Sorghum halepense
Wild Oats	Avena fatua
Roughstalk Bluegrass	Poa trivialis
Sandbur	Cenchrus incertus
Shattercane	Sorghum bicolor
Japanese Stiltgrass	Microstegium Vimineum

APPLICATION INFORMATION

ACCLAIM EXTRA HERBICIDE controls only grasses that have emerged at the time of spraying. Young, actively growing grassy weeds are more easily controlled than the larger grass weeds. Refer to the following application rate and timing chart for dosages. Avoid applications to grass under drought stress.

ACCLAIM EXTRA HERBICIDE USE RATES PER ACRE

ACCLAIM EXTRA HERBICIDE USE RATES PER ACRE Grass Weed fl oz/A Pints/A			
	11 02/A	PINTS/A	
Growth Stage			
ANNUAL GRASSES			
1 Tiller	16	1.00	
2 Tillers	20	1.25	
4 Tillers	28	1.75	
5 Tillers	39	2.44	
Grass Weed	fl oz/100 Gal	Pints/100 Gal	
Growth Stage			
SEEDLING			
JOHNSONGRASS			
Up to 12 inches	16	1.00	
12 to 24 inches	20	1.25	
RHIZOME			
JOHNSONGRASS			
Up to 12 inches	28	1.75	
24 to 60 inches	39	2.44	
Repeat Applications			
Up to 12 inches	11	0.69	
2 to 24 inches	24	1.50	
24 to 60 inches	39	2.44	

Spray Application for Rights-of-Way

Apply with ground equipment using 30 to 100 gal of water/A and 30 to 60 psi of water to uniformly cover the vegetation in the area to be treated. Use a fixed boom, off-center nozzles or boomless straight stream nozzles properly calibrated to a constant speed of travel and rate of delivery. Allow mowed areas to regrow for at least 14 days before applying ACCLAIM EXTRA HERBICIDE.

Spray Application for Spot Treatments

Add 40 fl oz of ACCLAIM EXTRA HERBICIDE per 100 gal of water and spray target weed thoroughly to the point of spray deposit runoff. Optimum results occur when spray pressure is sufficient to provide retention of spray deposit on target weed.

DIRECTIONS FOR USE OF ACCLAIM EXTRA HERBICIDE IN TANK MIXES

For improved turfgrass tolerance and improved annual grass and Johnsongrass control, a tank mix of ACCLAIM EXTRA HERBICIDE and Fusilade® 2000 Herbicide may be applied on roadside rights-of-way. For best results, ACCLAIM EXTRA HERBICIDE must be applied at 7 fl oz/A and Fusilade® 2000 Herbicide must be applied at 12 to 14 fl oz/A. When utilizing this tank mix, the annual grasses must be 1 leaf to 2 tillers in size; the rhizome Johnsongrass must be 10 to 25 inches in size. Crop oil concentrate must be added to this tank mix at 1% v/v (1 qt/25 gal of spray solution).

REPEAT APPLICATION INFORMATION

Repeat applications of ACCLAIM EXTRA HERBICIDE may be required under the following conditions (refer to Application Rate And Timing Chart for dosages):

- (a) Continued grass weed seed germination after the initial application.
- (b) When dense populations of weeds prevent thorough spray coverage of the entire leaf surface of the target weeds.

Do not apply more than a total of 120 fl oz/A (2.75 fl oz/1,000 sq ft) per year. Avoid applying a second application of ACCLAIM EXTRA HERBICIDE sooner than 14 days after the first application. A second ACCLAIM EXTRA HERBICIDE application must only be made to grass weeds with vigorous regrowth.

SURFACTANTS AND CROP OILS

The addition of a nonionic surfactant or paraffin-based crop oil at a rate of 32 fl oz/100 gal of spray solution is prescribed for spray volumes between 30 and 100 gal/A. Thorough spray coverage is extremely important for optimum results.

NOTES FOR WEED CONTROL IN RIGHTS-OF-WAY

- Adequate soil moisture will enhance the performance of ACCLAIM EXTRA HERBICIDE. Reduced control may occur with ACCLAIM EXTRA HERBICIDE applied under DROUGHT STRESS conditions.
- 2. Rainfall within one hour following application may cause a reduction in grass control.
- 3. Broadleaf herbicides containing 2,4-D will reduce the effectiveness of ACCLAIM EXTRA HERBICIDE. Tank mixes with Telar3, Escort3, or Garlon4 are recommended. Do not apply ACCLAIM EXTRA HERBICIDE 5 days before a 2,4-D application or within 21 days following a 2,4-D application. DO NOT TANK MIX with any herbicides when applying ACCLAIM EXTRA HERBICIDE to wildflower species.
- 4. ACCLAIM EXTRA HERBICIDE is a selective grass weed herbicide and has little or no activity on broadleaf plants or sedges.
- 5. Fescues and ryegrass may be overseeded immediately following ACCLAIM EXTRA HERBICIDE applications. All other grass species must be overseeded after a 21-day waiting period.
- 6. Applications to Bermudagrass may result in temporary injury. Bermudagrass must be well established at the time of application, or severe injury may result.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store in original container and keep tightly closed when not in use. Store in a cool dry place. Avoid cross-contamination with other pesticides.

PESTICIDE DISPOSAL

Pesticides wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

CONTAINER HANDLING

Rigid Non-refillable Containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)

Non-refillable container. Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information 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.

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

Top Discharge IBC, Drums, Kegs (e.g.- Snyder 120 Next Gen, Bonar B120, Drums, 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 mix tank. 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 or by incineration.

Non-Seed Treatment Products in Non-Refillable Fiber Drums with Liners

Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Non-Seed Treatment Products in Non-Refillable Foil outer pouches of Water soluble Packets (WSP)

Offer foil pouch for recycling if available or dispose of empty pouch in the trash as long as WSP is unbroken.

Rigid Non-Refillable containers with capacities smaller or equal to 5 gallons

PLASTIC CONTAINERS:

Non refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

LIQUID Dilutable formulations:

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

SOLID Dilutable formulations:

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

Non-Seed Treatment Products in Non-Rigid, Non-refillable Containers = BAGS

Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for

recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

IMPORTANT: READ BEFORE USE

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

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

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[Optional Marketing Claims:]

Pictures:

