



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Richard M. Gorrell
Manager, Registrations
Bayer Environmental Science
2 T. W. Alexander Drive
Research Triangle Park, NC 27709

SEP 11 2008

Subject: Label Notification(s) for Pesticide Registration Notices 2007-4

Dear Mr. Gorrell:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated August 21, 2008 for:

EPA Registration 432-950

Acclaim Extra Herbicide

The Registration Division (RD) has conducted a review of this request for applicability under PR Notice 2007-4 and finds that the label changes requested falls within the scope of PR Notice 2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

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United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 432-950	2. EPA Product Manager Joanne Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Acclaim Extra Herbicide	PM# Team 23	
5. Name and Address of Applicant (Include ZIP Code) Bayer Environmental Science 2 T. W. Alexander Drive Research Triangle Park, NC 27709 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical to the product for which registration and labeling to: EPA Reg. No. <u>SEP 11 2008</u> Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance of PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and it may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

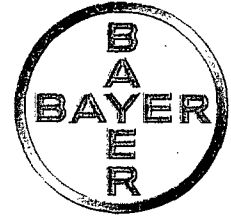
1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
* Certification must be submitted				<input type="checkbox"/> Plastic	
	If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		<input type="checkbox"/> Glass	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 pint, 1 gallon, and 2.5 Gallon	5. Location of Label Directions <input checked="" type="checkbox"/>		
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Richard M. Gorrell	Title Manager, Registrations	Telephone No. (Include Area Code) (919) 549-2423
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature	3. Title Manager, Registrations	
4. Typed Name Richard M. Gorrell	5. Date August 21, 2008	

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Bayer Environmental Science



August 21, 2008

EPA08RMG0821 AcclaimXNotifDispStatement
Fedex

Ms. Sherada Hobgood
U.S. Environmental Protection Agency
Office of Pesticide Programs (7504P)
Document Processing Desk (Notif)
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

RE: Acclaim Extra Herbicide (432-950): Notification of Container Disposal
Statement

Dear Ms. Hobgood:

Bayer Environmental Science (BES) is notifying the Agency of a change to the
Container Disposal statement as requested by the EPA. The change is the same as
the EPA prescribed.

If you have any questions, contact me at (919) 549-2423 or email me at
mike.gorrell@bayercropscience.com.

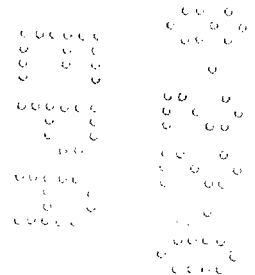
Bayer Environmental Science
2 T.W. Alexander Drive
RTP, NC 27709
Phone : 919.549.2000

Sincerely,

Richard M. Gorrell
Manager, Registrations

Incl.

Cc: Karen Shearer
Don Myers
Scott Welge



A Business Group of
Bayer CropScience

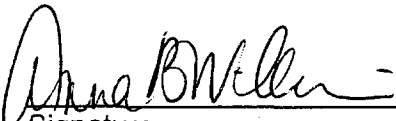
Certification with Respect to Label Integrity

version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

PROPOSED LABEL		
EPA Registration #	Date Submitted to EPA	Electronic file name
432-950	08/20/08	00432-00950.20080820.AcclaimExtraHerbicide.pdf

I certify that the statements that I have made on this form are true, accurate, and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.



 Signature

08/20/2008

 Date

Anna B. Wilkins

 Name (typed)

Label Development Specialist

 Title

ACCLAIM[®] EXTRA HERBICIDE

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

ACTIVE INGREDIENT:

fenoxaprop-p-ethyl: (+)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate6.59%*

INERT INGREDIENTS:.....93.41%**

Total:.....100.00%

EPA Reg. No. 432-950

EPA Est. No. 264-CAN-001

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

**Contains petroleum distillates

**Keep out of reach of children
CAUTION**

**IN CASE OF MEDICAL, ENVIRONMENTAL, OR
TRANSPORTATION EMERGENCIES OR INJURIES,
CALL 1-800-334-7577 (24 HOURS/DAY).
For Product Information, Call Toll-Free: 1-800-331-2867**

NET CONTENTS: 1 Pint, 1 Gallon and 2.5 Gallon

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor.
If in eyes	<ul style="list-style-type: none"> • 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.

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)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

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 before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on 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.

STORAGE AND DISPOSAL

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

Do not store over 100° F or below 10°F.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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 DISPOSAL:

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Offer for reconditioning, if appropriate. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL 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 general 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.

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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	<i>Poa pratensis</i>
Perennial ryegrass	<i>Lolium perenne</i>
Fine fescue	<i>Festuca rubra</i>
Tall fescue	<i>Festuca arundinaceae</i>
Annual bluegrass	<i>Poa annua</i>
Zoysia grass	<i>Zoysia spp.</i>
Creeping Bentgrass*	<i>Agrostis palustris</i>

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

WEED SPECIES SUPPRESSED

Acclaim® Extra Herbicide will temporarily suppress the growth of the following perennial grass weeds:

Common Name	Scientific Name
Common bermudagrass	<i>Cynodon dactylon</i>
Johnsongrass (rhizome)	<i>Sorghum halepense</i>

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 growing season.

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 recommendation chart for application rates and timing of application. Avoid applications to turfgrass under stress due to lack of moisture, chemical injury or temperature extremes.

ACCLAIM® EXTRA HERBICIDE APPLICATION RATE AND TIMING RECOMMENDATION 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.

**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.

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.

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 Recommendation Chart for dosages):

- Continued grass weed seed germination after the initial application
- When dense populations of weeds prevent thorough spray coverage of the entire leaf surface of target weeds
- 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 growing season. Avoid applying repeat applications of Acclaim® Extra Herbicide sooner than 14 days after the previous application. Repeat Acclaim® Extra Herbicide applications should 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 should be determined in a jar test as follows:

- Using a clear glass jar three-quarters full with water.
- 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.
- 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.
- 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 to 28 fl oz/A or 0.21 to 0.64 fl oz/1,000 sq ft according to the application rate and timing recommendation 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 to 39 fl oz/A or 0.21 to 0.90 fl oz/1,000 sq ft according to the application rate and timing recommendation 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-lbs/A or 0.9 fl oz/1,000 sq ft. Apply before grass weeds tiller at a rate of 28 fl oz/A or 0.64 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 growing season.

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 spray 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 untilled 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.
7. 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 should 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 should 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 should 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 growing season. 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	<i>Rhododendron</i>
Barberry	<i>Berberis</i>
Boxwood, Korean	<i>Buxus</i>
Cotoneaster	<i>Cotoneaster</i>
Dogwood, flowering	<i>Cornus</i>
English Ivy	<i>Hedera</i>
Euonymus	<i>Euonymus</i>
False Cypress	<i>Chamaecyparis</i>
Firethorn	<i>Pyracantha</i>
Forsythia	<i>Forsythia</i>
Hawthorn	<i>Crataegus</i>
Holly, American	<i>Ilex</i>
Holly, Japanese	<i>Ilex</i>
Holly, meservae	<i>Ilex</i>
Hydrangea	<i>Hydrangea</i>
Juniper, Blue Rug	<i>Juniperus</i>
Juniper, Dwarf Shore	<i>Juniperus</i>
Juniper, Parsonii	<i>Juniperus</i>
Juniper, San Jose	<i>Juniperus</i>
Juniper, Wiltoni	<i>Juniperus</i>
Magnolia	<i>Magnolia</i>
Maple, Japanese	<i>Acer</i>
Maple, Red	<i>Acer</i>
Nandina	<i>Nandina</i>
Oleander	<i>Nerium</i>
Periwinkle	<i>Vinca</i>
Photinia	<i>Photinia</i>
Pine, White	<i>Pinus</i>
Privet	<i>Ligustrum</i>
Rhododendron	<i>Rhododendron</i>
Rose	<i>Rosa</i>
Viburnum	<i>Viburnum</i>
Weigela	<i>Weigela</i>
Willow	<i>Salix</i>
Yew	<i>Taxus</i>

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HERBACEOUS & FLOWERING PLANTS

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

Applications of Acclaim® Extra Herbicide in the culture of the following ornamental plants will result in phytotoxicity:

Common Name	Scientific Name
Juniper, Barharbor	<i>Juniperus</i>
Philodendron	<i>Philodendron</i>
Salvia	<i>Salvia</i>
Podocarpus	<i>Podocarpus</i>
Pittosporum	<i>Pittosporum</i>

WEED SPECIES CONTROLLED

Acclaim® Extra Herbicide will control the following annual grass weeds:

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

WEED SPECIES SUPPRESSED

Acclaim® Extra Herbicide will temporarily suppress the growth of the following perennial grass weeds:

Common Name	Scientific Name
Common Bermudagrass	<i>Cynodon dactylon</i>
Johnsongrass (rhizome)	<i>Sorghum halepense</i>

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.

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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 recommendation 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 RECOMMENDATION 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 Recommendation 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 growing season. 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 should 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	<i>Bromus inermis</i>
Perennial Ryegrass	<i>Lolium perenne</i>
Fine Fescue	<i>Festuca rubra</i> spp.
Tall Fescue	<i>Festuca arundinaceae</i>
Common Bermudagrass	<i>Cynodon dactylon</i>
Wheatgrass	<i>Agropyron</i> 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	<i>Dimorphotheca</i>
Annual Indian Blanket	<i>Gaillardia</i>
Baby Blue Eyes	<i>Nemophila</i>
Baby's Breath	<i>Gypsophila</i>
Birds Eyes	<i>Gilia</i>
Black-Eyed Susan	<i>Rudbeckia</i>
Blue Bells	<i>Mertensia</i>
Blue Flax	<i>Linum</i>
California Poppy	<i>Eschscholzia</i>
Catchfly	<i>Silene</i>
Cosmos	<i>Cosmos</i>
Creeping Zinnia	<i>Sanvitalia</i>
Dames Rocket	<i>Hesperis</i>
Dwarf Columbine	<i>Aquilegia</i>
Dwarf Cornflower	<i>Centaurea</i>
Dwarf Lance Leafed Coreopsis	<i>Coreopsis</i>
English Wallflower	<i>Cheiranthus</i>
Forget-Me-Not	<i>Anchusa</i>
Garland Chrysanthemums	<i>Chrysanthemum</i>
Gilia	<i>Gilia</i>
Globe Gilia	<i>Gilia</i>
Johnny Jump Up	<i>Viola</i>
Lemon Mint	<i>Monarda</i>
Maiden Pinks	<i>Dianthus</i>
Missouri Primrose	<i>Oenothera</i>
Mountain Phlox	<i>Phlox</i>
Pimpernel	<i>Anagallis</i>
Prairie Coneflower	<i>Ratibida</i>
Purple Coneflower	<i>Echinace</i>
Red Yarrow	<i>Achillea</i>
Rocket Larkspur	<i>Delphinium</i>
Rocky Mountain Penstemon	<i>Penstemon</i>
Roman Chamomile	<i>Matricaria</i>
Scarlet Flax	<i>Linum</i>
Siberian Wallflower	<i>Erysimum</i>
Small Burnet	<i>Sanguisorba</i>
Soapwort	<i>Saponaria</i>
Spurred Snapdragon	<i>Linaria</i>
Starflower	<i>Trientalis</i>
Sweet Allyssum	<i>Lobularia</i>
Sweet Williams	<i>Dianthus</i>
Tall Evening Primrose	<i>Oenothera</i>
Tall Godetia	<i>Godetia</i>
Tall Plains Coreopsis	<i>Coreopsis</i>
Tidy Tips	<i>Layia</i>
White Yarrow	<i>Achillea</i>
Wild Thyme	<i>Thymus</i>

ESTABLISHED DESIRABLE NATIVE GRASSES

Common Name	Scientific Name
Big Bluestem	<i>Andropogon</i>
Blue Grama	<i>Bouteloua</i>
Little Bluestem	<i>Andropogon</i>
Sideoats Grama	<i>Bouteloua</i>

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Acclaim® Extra Herbicide will control the following grass weeds:

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

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 recommendation chart for dosages. Avoid applications to grass under drought stress.

ACCLAIM® EXTRA HERBICIDE USE RATES PER ACRE

Grass Weed Growth Stage	Fl Oz/A	Pints/A
ANNUAL GRASSES		
1 Tiller	16	1.00
2 Tillers	20	1.25
4 Tillers	28	1.75
5 Tillers	39	2.44
Grass Weed Growth Stage	Fl Oz/100 Gal	Pints/100 Gal
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 should be applied at 7 fl oz/A and Fusilade 2000 Herbicide should be applied at 12 to 14 fl oz/A. When utilizing this tank mix, the annual grasses should be 1 leaf to 2 tillers in size; the rhizome Johnsongrass should be 10 to 25 inches in size. Crop oil concentrate should be added to this tank mix at 1% v/v (1 qt/25 gal of spray solution).

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REPEAT APPLICATION INFORMATION

Repeat applications of Acclaim[®] Extra Herbicide may be required under the following conditions (refer to Application Rate And Timing Recommendation 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 growing season. Avoid applying a second application of Acclaim[®] Extra Herbicide sooner than 14 days after the first application. A second Acclaim[®] Extra Herbicide application should 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 recommended 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

1. 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 should be overseeded after a 21-day waiting period.
6. Applications to Bermudagrass may result in temporary injury. Bermudagrass should be well established at the time of application, or severe injury may result.

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IMPORTANT: READ BEFORE USE

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