



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 13, 2019

Donna Bishel  
Director of Regulatory Affairs  
BioSafe Systems, LLC  
22 Meadow Street  
East Hartford, CT 06108

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Acceptable  
Revisions to the Directions for Use and Optional Marketing Claims  
Product Name: Axxe Ready To Use Herbicide  
EPA Registration Number: 70299-24  
Application Date: 12/13/2018  
OPP Decision Number: 547139

Dear Ms. Bishel:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. Additionally, the Alternate Brand Name 'BioSafe Weed & Grass Killer RTU' has been added to the registration and our records have been updated accordingly.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or 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 (1) copy of the final printed labeling before you release this 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 your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims

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made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA 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 Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Alex Horansky of my team by phone at (703) 347-0128 or via email at [Horansky.alex@epa.gov](mailto:Horansky.alex@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is fluid and cursive, with the first name being the most prominent.

Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

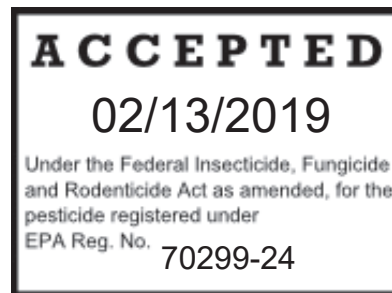
# AXXE Ready to Use Herbicide

(Alternate Brand Name: BioSafe Weed Control RTU, BioSafe Weed & Grass Killer RTU)

## Non-selective Herbicide

**FOR RESIDENTIAL USE**  
**NOT FOR FOOD USE**

**FOR ORGANIC GARDENING**



**ACTIVE INGREDIENT:** Ammonium Nonanoate...5.00%  
**OTHER INGREDIENTS:**..... 95.00%  
**TOTAL:**..... 100.00%

AXXE Ready to Use Herbicide contains 0.42 lbs. of ammonium nonanoate per U.S. gallon

### KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 – 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information on AXXE Ready To Use Herbicide, call the National Pesticides Information Center at 1-800-858-7378, 6:30AM to 4:30PM Pacific Time (PT), seven days a week. During other times, call the Poison Control Center at 1-800-222-1222.	

See (back)(side)(inside)(panel)(label) for first aid, additional precautionary statements and directions for use.

**EPA Registration No.** EPA Reg. No. 70299-24    Batch Code \_\_\_\_\_  
**EPA Establishment No.** 067441-IL-001, 082521-GA-001, 70299-NV-1, 92957-MI-001

**Produced for:**  
BioSafe Systems, LLC  
22 Meadow St.  
East Hartford, CT 06108  
(888) 273-3088  
Net Contents: 24 fl. oz., 32. fl. oz., 1 gallon, 2.5 gallon

**Note to reviewer:** Language in brackets [ ] is optional.

## **PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Caution. Harmful if inhaled. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

### **ENVIRONMENTAL HAZARDS**

**For terrestrial uses only:** This pesticide is toxic to fish and aquatic invertebrates. Use care when applying in areas adjacent to any body of water. 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 contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product is toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product if bees are visiting the treatment area.

### **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 State/Tribal agency responsible for pesticide regulation.

### **METHODS OF USE AND GENERAL APPLICATION INSTRUCTIONS**

#### **General Instructions:**

Use AXXE Ready to Use Herbicide for contact spray or burndown of weeds and grasses for ornamentals, turf, landscapes, interiorscapes, greenhouses, non-crop areas on residential sites.

AXXE Ready to Use Herbicide is a contact non-selective herbicide for spray application only to undesirable plant growth. Do not allow spray to contact any green plant parts of desirable plants. AXXE Ready to Use Herbicide provides control and burndown suppression of annual and perennial broadleaf and grass weeds. Spore producing plants such as mosses and liverworts are also controlled. The amount of burndown and the duration of weed suppression may be reduced when weed growth conditions are unfavorable or when plants are mature.

AXXE Ready to Use Herbicide is a non-volatile and water-soluble herbicide for foliar application to weeds. Complete and uniform coverage of weeds by the spray solution is required for the best weed control. Plant foliage will change from a green color to brown/black necrotic tissue within one to two hours after spray application. AXXE Ready to Use Herbicide effect on plant tissue may be more rapid in warm weather than in cold conditions. However, weed control is normally unaffected by temperature.

AXXE Ready to Use Herbicide is a soap product which penetrates the cell walls of plants to disrupt the cellular organization of physiological functions which are compartmentalized by membranes within the cell walls. Plant growth ceases when cellular contents are mixed and brown necrotic plant tissue is formed.

AXXE Ready to Use Herbicide does not migrate through the soil and is not translocated in plants. **To ensure satisfactory control, plant leaves must be thoroughly and uniformly covered with the spray solution.** AXXE Ready to Use Herbicide does not provide any residual weed control in soil to affect germinating weed seeds.

#### **Application Instructions:**

AXXE Ready to Use Herbicide is completely soluble in water. No shaking or agitation is required.

During application, some foaming may occur; however, weed control is not reduced if the foam is deposited on the plant surface and is not blown away as drift.

**Apply AXXE Ready to Use Herbicide when weed surfaces are dry.**

**Application Precautions:**

- Do not apply to weeds when wet from dew, rain or irrigation.
- Do not irrigate within 2 hours after application.
- Do not apply if rainfall is expected within 2 hours.

Difficult to control weeds may require several applications for complete control.

**Hand-Held Spray Application**

The amount of weed vegetation will determine the spray volume required for complete coverage of undesired plants (weeds). Weed vegetation conditions that affect spray coverage are number of weeds present, leaf shape, weed size and weed species. Thorough saturation of the foliage and stems is required for control. Apply sprays until run-off from weed leaves occurs. Use low spray pressure to reduce foaming and avoid contact with desirable plants.

**Directed Spray Application**

Use a shielded sprayer to prevent spray contact on desirable plants. Avoid spray contact of green plant stems or green bark of young trees and shrubs.

Some visible foam may appear on the leaves as the plants are sprayed. Repeat applications as often as necessary to obtain desired control.

**Use Methods**

Determine the weed control situation and select the use method required as follows:

**A. Vegetative Burndown:** Broadcast spray for weed control for no-till planting or seedbed preparation to control weeds prior to seeding or transplanting. Spot sprays may be used in crops, ornamentals, pastures and turf.

**B. Directed and shielded sprays:** Spray nozzle type or configuration for directed spray or a shield placed around the nozzle to prevent spray contact on the foliage or green stems or bark. Directed/shielded spray applications to area between plastic mulch strips and staked crops for weed control.

**PESTS**

**[Optional Table: (Use One: Table Or Text Below)]**

[Weeds controlled or suppressed by AXXE Home and Garden Herbicide:]	
[COMMON NAME]	[TAXONOMIC NAME]
<b>Broadleaf Weeds:</b>	
Algae	[ <i>Gloeopsa magmaca</i> ]
Bittercress, hairy	[ <i>Cardamine hirsuta</i> ]
Chickweed, common	[ <i>Stellaria media</i> ]
Chickweed, mouse-ear	[ <i>Cerastium vulgatum</i> ]
Cocklebur, common	[ <i>Xanthium strumarium</i> ]

Corn spurry	[ <i>Spergula arvensis</i> ]
Cudweed, purple	[ <i>Gnaphalium purpureum</i> ]
Groundsel	[ <i>Senecio spp.</i> ].
Lambsquarters, common	[ <i>Chenopodium album</i> ]
Liverwort	[ <i>Machantia spp.</i> ]
Marestail or Horseweed rosettes	[ <i>Conyza canadensis</i> ]
Morning glory, annual	[ <i>Ipomoea spp.</i> ]
Moss	[ <i>Bryophyta</i> ]
Mustards	[ <i>Brassica spp.</i> ]
Oxalis or Woodsorrel	[ <i>Oxalis stricta</i> ]
Pansy, wild	[ <i>Viola tricolor</i> ]
Plantain	[ <i>Plantago spp.</i> ]
Pigweed, smooth and redroot	[ <i>Amaranthus spp.</i> ]
Mallow, roundleaved	[ <i>Malva spp.</i> ]
Moneywort	[ <i>Lysimachia nummularia</i> ]
Shepherdspurse	[ <i>Capsella bursa-pastoris</i> ]
Sorrel, sheep	[ <i>Rumex acetosella</i> ]
Spurge, spotted	[ <i>Euphorbia maculata</i> ]
Field pennycress	[ <i>Thlaspi arvense</i> ]
Velvetleaf	[ <i>Abutilon theophrasti</i> ]

**Grass and Other Weeds:**

Bentgrass, colonial	[ <i>Agrostis tenuis</i> ]
Bluegrass, annual	[ <i>Poa annua</i> ]
Crabgrass, large	[ <i>Digitaria sanguinalis</i> ]
Fescue, creeping red	[ <i>Festuca rubra</i> ]
Fescue, hard	[ <i>Festuca ovina</i> ]
Nimblewill	[ <i>Muhlenbergia scheberi</i> ]
Onion, wild	[ <i>Allium canadense</i> ]
Ryegrass, perennial	[ <i>Lolium perenne</i> ]
Star-of-Bethlehem	[ <i>Ornithogalum nutans</i> ]

**Weeds Moderately Difficult to Control<sup>1</sup>**

Bermudagrass (Wireweed)	[ <i>Cynodon dactylon</i> ]
Dandelion	[ <i>Taraxacum officinale</i> ]
Nutsedge, yellow	[ <i>Cyperus esculentus</i> ]
Ragweed, common	[ <i>Ambrosia artemisiifolia</i> ]

**[Optional Text: (Use One: Table Above Or Text Below)]**

**[Weeds controlled or suppressed by AXXE Ready to Use Herbicide:**

**Broadleaf Weeds:** Algae, Bittercress (hairy), Chickweed (common), Chickweed (mouse-ear), Cocklebur (common), Corn spurry, Cudweed (purple), Groundsel, Lambsquarters (common), Liverwort, Marestail or Horseweed rosettes, Morningglory (annual), Moss, Mustards, Oxalis or Woodsorrel, Pansy (wild), Plantain, Pigweed (smooth and redroot), Mallow (roundleaved), Moneywort, Shepherdspurse, Sorrel (sheep), Spurge (spotted), Field pennycress, Velvetleaf

**Grass and Other Weeds:** Bentgrass (colonial), Bluegrass (annual), Crabgrass (large), Fescue (creeping red), Fescue (hard), Nimblewill, Onion (wild), Ryegrass (perennial), Star-of-Bethlehem

**Weeds Moderately Difficult to Control<sup>1</sup>:** Bermudagrass (Wireweed), Dandelion, Nutsedge, (yellow), Ragweed (common)]

## STORAGE AND DISPOSAL

### **PESTICIDE STORAGE:**

Store in original containers in a cool, well-vented area, away from direct sunlight. Do not allow product to become overheated in storage. This may cause increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur.

### **PESTICIDE DISPOSAL AND CONTAINER HANDLING:**

Nonrefillable container. Do not reuse or refill this container. **If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## WARRANTY

This material conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. To the fullest extent permitted by law, the seller shall not be liable for timing, unfavorable temperatures, water conditions, presence of other materials, method of application, weather, watering practices, nature of soil, disease problem, condition of crop, incompatibility with other chemicals, pre-existing conditions and other conditions influencing the use of this product. To the fullest extent permitted by law, buyer assumes all risks associated with the use, storage, or handling of this material not in strict accordance with directions given herewith. To the fullest extent permitted by law, NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE.

### **Optional Label Claims:**

- Non-residual herbicide
- For control or burn down of a broad spectrum of weeds, mosses on contact.
- For control of unwanted vegetation
- Easy to use
- Fast acting
- Weed and grass killer
- Acts on contact
- Broad spectrum
- Visible results within 24 hours
- Inactivated on contact with soil
- Will not leach through the soil to harm desirable plants
- Leaves no harmful residues
- Non - selective herbicide
- Effective weed and grass control
- Grass and weed knockdown
- Eliminates vegetation and leaves area weed free
- Ideal for spot weed control around ornamental trees, bushes and flowers
- Ideal for trimming and edging along walkways, driveways, trees and landscaping beds
- For control or burndown of a broad spectrum of weeds on contact
- For non-selective control of herbaceous broadleaf weeds, and grasses
- For control or burndown of weeds and grasses
- Controls annual and perennial weeds



- Controls grasses and broadleaf weeds
- For weed control in and around the home and gardens
- For organic gardening
- Made in USA
- Simply sustainable. Always effective.

Optional Graphics:

