

11/15
MAY 2 1997

Mr. Victor A. Dorr
Agrevo USA Company
Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808

Dear Mr. Dorr:

Subject: Liberty® Herbicide
EPA Registration No. 45639-199
Application and Letter Dated April 16, 1997, Request To
Amend Labeling with Revised Container Disposal Statement
for Use on Mini-Bulk 60 Gallon Containers

The proposed amendment described in the subject application and letter has been reviewed and found acceptable under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended, provided that you:

1. Delete the claim "Liberty Herbicide is an organic product that decomposes into naturally occurring compounds." Although, we have in error accepted previous labeling with this statement, this must be deleted. Agency's policy in regard to this issue has been repeatedly discussed with you.
2. Submit one (1) copy of your final printed label prior to releasing this pesticide product for shipment under the subject label.

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

A stamped copy of the proposed label is enclosed for your records.

Sincerely yours,

Joanne I Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

CONCURRENCES

SYMBOL	Enclosure						
SURNAME							
DATE	E:Wilson: Ignite:05-01-97						

Edition #47: April 15, 1997
(Large Container Disposal Statement)

LIBERTY™ HERBICIDE

A SELECTIVE HERBICIDE FOR USE ONLY ON CORN AND SOYBEANS RESISTANT TO THE ACTIVE INGREDIENT IN THIS PRODUCT. AGREVO USA COMPANY RECOMMENDS USE ONLY ON SEED DESIGNATED AS LIBERTY LINK™ OR WARRANTED BY AGREVO USA COMPANY AS BEING RESISTANT TO LIBERTY HERBICIDE

ACTIVE INGREDIENT:

glufosinate-ammonium: butanoic acid, 2-amino-4-
(hydroxymethylphosphinyl)-, monoammonium salt† 18.19%*

INERT INGREDIENTS 81.81%
TOTAL 100.00%

*Equivalent to 1.67 pounds of active ingredient per U.S. gallon.

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

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

EPA Registration Number 45639-199

ACCEPTED
with COMMENTS
EPA Establishment Number 407-IA-2
In EPA Letter Dated

Net Contents: 60 Gallons, 120 Gallons & Bulk

† Protected by U.S. Patent No 4,400,196

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



ACCEPTED
with COMMENTS
In EPA Letter Dated

MAY 2 1997
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
45639-199

**AgrEvo USA Company
Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808**

STATEMENT OF PRACTICAL TREATMENT

- If Swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available, by administering syrup of ipecac. If person is unconscious, do not give anything by mouth and do not induce vomiting.
- If in Eyes:** Flush with plenty of water. Get medical attention if irritation persists.
- If on Skin:** Remove contaminated clothing. Wash skin immediately with plenty of soap and water. Get medical attention.
- If Inhaled:** Remove individual to fresh air. Get medical attention if breathing difficulty develops.

IN CASE OF MEDICAL EMERGENCIES OR HEALTH AND SAFETY INQUIRIES, OR IN CASE OF FIRE, LEAKING OR DAMAGED CONTAINERS, INFORMATION MAY BE OBTAINED BY CALLING: 800-228-5635, EXT. 202

For product inquiry information, call toll free: 1-888-GO-LIB-LINK (1-888-465-4254)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if absorbed through skin. Causes moderate eye irritation. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

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 C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

Coveralls worn over short-sleeved shirt and short pants; chemical-resistant gloves such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils or Viton[®] ≥14 mils; chemical resistant footwear plus socks; protective eyewear. Wear a chemical resistant apron when mixing/loading and cleaning equipment.

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

Engineering control statement:

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

USER SAFETY RECOMMENDATIONS**Users 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

STORAGE AND DISPOSAL

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

Do not use or store near heat or open flame.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: This is a sealed returnable container to be used only for Liberty Herbicide. When this container is empty, it must not be opened, cleaned, or discarded. Empty containers must be returned to the original purchase location.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not use this product 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 12 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 worn over short-sleeved shirt and short pants; chemical-resistant gloves such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils or Viton[®] ≥ 14 mils; chemical resistant footwear plus socks; protective eyewear.

GENERAL INFORMATION

Field Corn, Silage Corn and Soybeans

Liberty Herbicide is a water-soluble herbicide intended for application as a foliar spray for the control of a broad spectrum of emerged annual and perennial grass and broadleaf weeds in corn and soybeans. This product is for use only on corn and soybeans resistant to the active ingredient in this product. AgrEvo USA Company recommends use only on seed designated as Liberty Link or warranted by AgrEvo USA Company as being resistant to Liberty Herbicide. The basis of selectivity of Liberty Herbicide in corn and soybeans is the presence of a gene in Liberty Link or other corn hybrids and soybean varieties warranted by AgrEvo which allows the plant to detoxify the active ingredient of Liberty Herbicide.

**IMPORTANT CROP SAFETY INFORMATION
READ BEFORE USING THIS PRODUCT**

Liberty Herbicide is for use only on corn and soybeans resistant to the active ingredient in this product. AgrEvo USA Company recommends use only on seed designated as Liberty Link or warranted by AgrEvo USA Company as being resistant to Liberty Herbicide.

The basis of selectivity of Liberty Herbicide in corn and soybeans is the presence of a gene in Liberty Link or other corn hybrids and soybean varieties warranted by AgrEvo which allows the plant to detoxify the active ingredient of Liberty Herbicide.

Use of Liberty Herbicide on corn and soybeans not designated as Liberty Link or not warranted by AgrEvo may result in severe crop injury and/or yield loss.

Do not allow spray to contact foliage or green tissue of desirable vegetation other than corn or soybeans resistant to the active ingredient in this product. This product may injure or kill all green vegetation contacted by the spray other than Liberty Link corn and soybeans or other corn hybrids or soybean varieties warranted by AgrEvo.

AgrEvo does not warrant the crop safety or weed control of this product if used on corn or soybean varieties other than those designated as Liberty Link or warranted by AgrEvo to safely withstand the application of Liberty Herbicide.

THOROUGH SPRAY COVERAGE IS VERY IMPORTANT. Visual effects and control from Liberty Herbicide applications occur within 2 to 4 days after application under good growing conditions. Liberty Herbicide works best when weeds are actively growing. Liberty Herbicide is an organic product that decomposes into naturally occurring compounds.

APPLICATION TIMING

Applications of Liberty Herbicide on corn may be made from emergence until corn is 24" tall or in the V-7 stage of growth, i.e., 7 developed collars, whichever comes first. Applications of Liberty Herbicide on soybeans may be made from emergence to the bloom growth stage. Liberty Herbicide is a foliar-active material with no soil-residual activity. Best results are obtained when applications are made to actively growing weeds. Liberty Herbicide is rainfast four (4) hours after application, and rainfall within four (4) hours may necessitate retreatment. Applications should be made between dawn and two hours before sunset to avoid the possibility of reduced weed control. Do not apply when wind causes drift to desirable vegetation as injury may occur. Weed control may be reduced when heavy dew is present or when weeds are under stress due to drought, cool temperatures or extended periods of cloudiness.

Liberty Herbicide should be applied at the rate recommended in the *Rate Recommendation Tables for Weed Control* in the "APPLICATION METHODS" section of this label. A repeat application of Liberty Herbicide or tank mixes with appropriate

residual herbicides will be needed to control weeds that have not yet emerged at the time of application. Refer to the *Rate Recommendation Tables for Weed Control* for the appropriate rate and weed size. Do not apply more than two applications of Liberty Herbicide to the corn or soybean crop and do not exceed 56 ounces of this product on corn or soybeans per growing season.

MIXING INSTRUCTIONS

Liberty Herbicide must be mixed with water to make a finished spray solution as follows:

1. Fill the spray tank half full with water.
2. Start agitation.
3. Prepare a slurry of the proper amount of dry flowable/wettable powder tank mix partners in a small amount of water.
4. Add the slurry of dry materials to the spray tank..
5. Add the proper amount of liquid tank mix partners.
6. Complete filling the spray tank with water.
7. Add the proper amount of Liberty Herbicide and continue agitation.
8. If foaming occurs, use an anti-foam agent.
9. Additional surfactant should not be used.

If tank mix partners are added, maintain good agitation at all times until contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed. Keep bypass line on or near bottom of tank to minimize foaming. Screen size in nozzles or line strainers should be no finer than 50 mesh. Carefully select proper nozzle to avoid spraying a fine mist. For best results, use flat fan nozzles.

APPLICATION METHODS

Ground Application: Refer to the *Rate Recommendation Tables for Weed Control* for proper application rates. Liberty Herbicide should be applied broadcast in a minimum of 10 gallons of water per acre. Flat fan nozzles are recommended. Use a spray pressure of 30 to 40 pounds per square inch. Under dense weed/crop canopies 20-40 gallons of water per acre should be used so that thorough spray coverage will be obtained.

Aerial Application: Refer to the *Rate Recommendation Tables for Weed Control* for proper application rates. Liberty Herbicide should be applied in a minimum of 5 gallons per acre of total spray solution using spray nozzle tips and sufficient pressure to provide a uniform pattern and median droplet size of 200 - 350 microns. Do not apply when wind causes drift to desirable vegetation.

Rate Recommendation Tables for Weed Control

Rates in ounces (pints) of formulated product per acre for the control of weeds at selected heights are shown in the following tables. In weed populations with mixed species, apply the rates needed for all species present.

Grass Weeds Controlled with Liberty Herbicide at 16 Fl. Oz. (1 Pt.)/Acre

Weed Species	Control (✓) Suppression (*)	Maximum Weed Height (inches)
Cupgrass, woolly	✓	4
Foxtail, giant	✓	4
Foxtail, green	✓	4
Johnsongrass, seedling	✓	2

Brōadleaf Weeds Controlled with Liberty Herbicide at 16 Fl. Oz. (1 Pt.) /Acre

Weed Species	Control (✓) Suppression (*)	Maximum Weed Height (inches)
Cocklebur, common	✓	6
Jimsonweed	✓	2
Ladysthumb	✓	4
Marestail	✓	2
Mustard, wild	✓	2
Ragweed, common	✓	4
Shepherd's-Purse	✓	2
Sida, prickly	✓	2
Smartweed, Pennsylvania	✓	4
Sunflower, common	✓	6

Grass Weeds Controlled with Liberty Herbicide at 20 Fl. Oz. (1.25 Pts.)/Acre

Weed Species	Control (✓) Suppression (*)	Maximum Weed Height (inches)
Barnyardgrass	*	2
Corn, volunteer	*	4
Crabgrass, large	✓	2
Crabgrass, smooth	✓	2
Cupgrass, woolly	✓	6
Foxtail, giant	✓	6
Foxtail, green	✓	6
Foxtail, yellow	*	2
Johnsongrass, seedling	✓	4
Millet, wild-proso	✓	2
Millet, volunteer proso	✓	2
Panicum, fall	✓	4
Panicum, Texas	✓	2
Shattercane	✓	4
Signalgrass, broadleaf	✓	2
Sorghum, volunteer	*	4

Broadleaf Weeds Controlled with Liberty Herbicide at 20 Fl. Oz. (1.25 Pts.)/Acre

Weed Species	Control (✓) Suppression (*)	Maximum Weed Height (inches)
Buckwheat, wild	✓	4
Buffalobur	✓	4
Chickweed, common	✓	4
Cocklebur, common	✓	8
Jimsonweed	✓	4
Kochia	✓	2
Ladysthumb	✓	8
Lambsquarters, common	✓	4
Mallow, Venice	✓	4
Marestail	✓	4
Marshelder	*	2
Morningglory, entireleaf	✓	2
Morningglory, ivyleaf	✓	4
Morningglory, pitted	✓	2
Morningglory, smallflower	✓	2
Morningglory, tall	✓	4
Mustard, wild	✓	4
Nightshade, eastern black	✓	4
Pigweed, Redroot	✓	2
Ragweed, common	✓	6
Ragweed, giant	✓	4
Sesbania, hemp	✓	3
Shepherd's-Purse	✓	4
Sicklepod	✓	4
Sida, prickly	✓	4
Smartweed, Pennsylvania	✓	8
Sowthistle	✓	3
Sunflower, common	✓	8
Velvetleaf	✓	3
Waterhemp, common	✓	2
Waterhemp, tall	✓	2

Grass Weeds Controlled with Liberty Herbicide at 28 Fl. Oz. (1.75 Pts.)/Acre

Weed Species	Control (✓) Suppression (*)	Maximum Weed Height (inches)
Barnyardgrass	✓	4
Corn, volunteer	✓	6
Crabgrass, large	✓	4
Crabgrass, smooth	✓	4
Cupgrass, woolly	✓	10
Foxtail, giant	✓	10
Foxtail, green	✓	10
Foxtail, yellow	✓	4
Johnsongrass, seedling	✓	6
Millet, wild-proso	✓	4
Millet, volunteer proso	✓	4
Oat, wild	✓	3
Panicum, fall	✓	4
Panicum, Texas	✓	4
Sandbur, field	✓	3
Shattercane	✓	6
Signalgrass, broadleaf	✓	4
Sorghum, volunteer	✓	6

Broadleaf Weeds Controlled with Liberty Herbicide at 28 Fl. Oz. (1.75 Pts.)/Acre

Weed Species	Control (✓) Suppression (*)	Maximum Weed Height (Inches)
Amaranth, Palmer	✓	4
Beggarweed, Florida	✓	4
Buckwheat	✓	6
Buffalobur	✓	6
Carpetweed	✓	4
Chickweed, common	✓	4
Cocklebur, common	✓	12
Jimsonweed	✓	8
Kochia	✓	4
Ladysthumb	✓	12
Lambsquarters, common	✓	6
Mallow, Venice	✓	6
Marestail	✓	8
Marshelder	✓	4
Morningglory, entireleaf	✓	6
Morningglory, ivyleaf	✓	6
Morningglory, pitted	✓	6
Morningglory, smallflower	✓	6
Morningglory, tall	✓	6
Mustard, wild	✓	6
Nightshade, eastern black	✓	6
Pigweed, Redroot	✓	4
Pigweed, prostrate	✓	4
Pigweed, spiny	✓	4
Pigweed, smooth	✓	4
Pigweed, tumble	✓	4
Ragweed, common	✓	12
Ragweed, giant	✓	8
Sesbania, hemp	✓	6
Shepherd's-Purse	✓	8
Sicklepod	✓	6
Sida, prickly	✓	6
Smartweed, Pennsylvania	✓	12
Sowthistle	✓	6
Sunflower, common	✓	12
Thistle, Russian	✓	4
Velvetleaf	✓	5
Waterhemp, common	✓	4
Waterhemp, tall	✓	4

INSTRUCTIONS FOR PERENNIAL WEEDS

Liberty Herbicide applied at 28 fluid ounces (1.75 pints) per acre may give full or partial control of many perennial weed species such as field bindweed, hedge bindweed, dandelion, hemp dogbane, rhizome Johnsongrass, honeyvine milkweed, common milkweed, yellow nutsedge, quackgrass, Canada thistle, orchardgrass, and wirestem muhly. Control of these perennials may be enhanced by using a second application or tank mixes with other herbicides.

TANK MIX RECOMMENDATIONS FOR LIBERTY HERBICIDE

When using Liberty Herbicide with tank mix partners, follow the precautions and directions of the most restrictive herbicide label for the appropriate timing and rate selection. Additional additives recommended on tank mix herbicide labels may cause crop injury.

Liberty Herbicide (alone and in tank mixes) may be applied following any pre-plant incorporated or preemergence herbicide applications.

To enhance weed control and/or provide needed residual control in corn and soybeans, Liberty Herbicide may be tank mixed with any herbicide registered for postemergence use on corn (except metribuzin herbicide and Basis¹ Herbicide) and soybeans (except for Classic¹ Herbicide and Cobra² Herbicide).

Anti-foams or drift control agents may be added if needed. Do not add surfactants.

Compatibility of Liberty Herbicide with clay-based dry-flowable herbicides should be determined before tank-mixing.

FARMSTEADS

When applied as recommended, this product controls undesirable plant vegetation in noncrop areas around farmstead building foundations, shelter belts, along fences and general nonselective farmstead weed control. Refer to the "APPLICATION METHODS" section of this labeling for appropriate application rates to control specific weeds.

SPECIAL NOTES FOR LIBERTY HERBICIDE FOR USE ON CORN AND SOYBEANS

1. Application is recommended for use only on corn and soybeans designated as Liberty Link or warranted by AgrEvo USA Company to safely withstand the application of Liberty Herbicide. Application to corn hybrids or soybean varieties not designated Liberty Link or otherwise authorized by AgrEvo may result in severe crop injury and/or yield loss.
2. Avoid drift to desirable vegetation.
3. A cultivation may be made **at least** 5 days before or after a Liberty Herbicide application.
4. Clean sprayer thoroughly before mixing Liberty Herbicide, particularly if a herbicide with the potential to injure crops was previously used.
5. Thoroughly triple rinse sprayer and use a commercial tank cleaner before using in crops not labeled Liberty Link. Make sure any rinsate or foam is thoroughly removed from spray tank and boom. Rinsate may be disposed of in non-crop areas that do not contain desirable vegetation.
6. **DO NOT** apply more than two applications of Liberty Herbicide to the corn or soybean crop. **DO NOT** exceed 56 ounces of Liberty Herbicide on corn or soybeans per growing season.
7. **DO NOT** apply Liberty Herbicide within 60 days of harvesting corn forage and within 70 days of harvesting corn grain and corn fodder.
8. **DO NOT** apply Liberty Herbicide within 70 days of harvesting soybean seed.
9. **DO NOT** plant wheat in a field treated with Liberty Herbicide for 120 days after the last application of this product.
10. **DO NOT** feed treated green immature growing soybean plants to livestock.
11. **DO NOT** add surfactants. Anti-foams or drift control agents may be added if needed.
12. **DO NOT** apply Liberty Herbicide if soybeans (or corn) show injury from prior herbicide applications or environmental stress (drought, excessive rainfall, etc.).
13. **DO NOT** apply this product through any type of irrigation system.
14. AgrEvo USA Company does not warrant the safety or performance of this product when used on "brown bag" or farmer-saved seed (bin run seed).

IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather conditions and soil conditions, manner of use and other factors beyond AgrEvo USA Company's control, it is impossible for AgrEvo USA Company to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of AgrEvo USA Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. AgrEvo USA Company disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT AGREVO USA COMPANY'S ELECTION, THE REPLACEMENT OF PRODUCT.

©AGREVO USA COMPANY, 1996

¹ Classic and Basis are registered trademarks of E. I. duPont de Nemours & Company

² Cobra is a registered trademark of Valent USA Company