



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

93653-1

Date of Issuance:

8/16/23

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

ZS Glufosinate-Ammonium Technical

ZSChem USA, Inc. c/o Pyxis Regulatory Consulting Inc.
 4110 136th St. Ct. NW
 Gig Harbor, WA 98332

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Heather E. McFarley

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

Date:

8/16/23

2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 93653-1.”
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under 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.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSF:

- Basic CSF dated 07/20/2023.

If you have any questions, please contact Sayed Islam by phone at 202-566-2796, or via email at islam.sayed@epa.gov

Enclosure:

- Accepted label

ZS Glufosinate-Ammonium Technical

ACTIVE INGREDIENT:	w/w%
Glufosinate-ammonium* (CAS No. 77182-82-2)	97.7%
OTHER INGREDIENTS:	2.3%
TOTAL:	100.0%

* Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt

KEEP OUT OF REACH OF CHILDREN CAUTION

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. DO NOT give anything by mouth to an unconscious person.
If in Eyes:	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15 -20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.
If on Skin or Clothing:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 -20 minutes. Call a Poison Control Center or doctor for treatment advice.
NOTE TO PHYSICIAN	
Glufosinate-ammonium is a glutamine synthetase inhibitor and can interfere with neurotransmitter function. Symptoms may be delayed by up to 48 hours following ingestion. There is no specific antidote. If ingested, endotracheal intubation and gastric lavage should be performed as soon as possible followed by charcoal and sodium sulfate administration.	
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8:00 AM to 12:00 PM Pacific Time (NPIC Web site: www.npic.orst.edu).	

[See side panel for Storage and Disposal and Warranty-Conditions of Sale]

Manufactured for:

ZSChem USA, Inc.
5100 Poplar Ave, Floor 27
Memphis, TN 38137-2701

EPA Reg. No. 93653-xx
EPA Est. No.
Net Weight: lbs (kg)
Lot No.: See container

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wear long-sleeved shirt and long pants, shoes plus socks and appropriate chemical and/or water-resistant gloves. Wear appropriate protective eyewear. Wash thoroughly with soap

and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

DO NOT discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

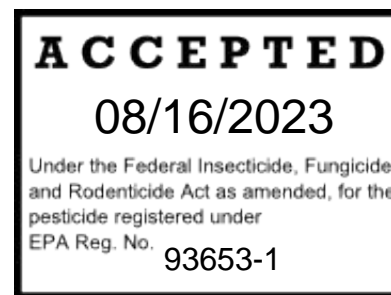
DO NOT mix or allow contact with oxidizing agents. Hazardous Chemical reaction may occur.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Only for formulation into herbicide for the following uses: (1) uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; (2) uses for experimental purposes that are in compliance with USEPA; (3) **Terrestrial food uses:**

Bananas	Juneberry	Stone Fruit Crop Group 12-12
Bushberry Subgroup 13-07B	Lingonberry	Sugar Beets*
Canola*	Olives	Tree Nut Crop Group 14-12
Citrus Crop Group 10-10	Pome Fruit Crop Group 11-10	
Com (field and sweet)*	Potato (vine desiccation)	
Cotton*	Salal	
Grapes	Soybeans*	
Seed Production (to eliminate non-glufosinate-ammonium resistant canola, corn, soybean, and cotton plants)		
*including glufosinate-ammonium resistant crops.		

(4) **Residential Outdoor** (5) **Terrestrial Non-Food Uses:** Vegetation control and management in non-agricultural areas/non-crop areas including Golf Courses, Native grass areas, Ornamental production, Landscaping in Commercial/Residential/Industrial areas, Conifer//hardwood/Christmas tree production including nurseries and plantations.



STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep pesticide in original container. Store in a cool, dry place, away from excessive heat.

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

CONTAINER HANDLING: Non-refillable fiber drums with PE liners: Nonrefillable 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 formulation equipment. Then offer for recycling if available or dispose of liner in a sanitary landfill, or by other procedures approved by state and local authorities. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Supersacks with PE liners: Nonrefillable container. **DO NOT** reuse or refill this container. Completely empty bag into formulation equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill, or by other procedures approved by state and local authorities.

WARRANTY—CONDITIONS OF SALE

Manufacturer warrants that this product conforms to its chemical description and is reasonably fit for the purposes referred to in the "DIRECTIONS FOR USE". Manufacturer makes no other warranties, expressed or implied, including fitness or merchantability. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. The foregoing is a condition of sale and is accepted as such by the Buyer.

[EPA Approval date]