



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

3125-534

Date of Issuance:
SEP 29 2000
Date of Expiration:
11/01/2005

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Everest™ 70% Water
Dispersible Granular
Herbicide in Water-
Soluble Packets

Name and Address of Registrant (include ZIP Code):

Bayer Corporation
8400 Hawthorn Road
P.O. Box 4913
Kansas City, MO 64120-0013

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/reregistered 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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(C) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
2. Submit data to fulfill the following requirements for flucarbazone sodium. The basis for these requirements is discussed in the Health Effects and Environmental Fate and Effects reviews that are being sent to you under separate cover. Please refer to these reviews for detailed information concerning the nature of the deficiencies and the information/data that must be submitted:

By October 1, 2001, you must submit:

- (a) Refined analytical methods for the quantification of flucarbazone-sodium and its degradates in both soil and water. Analytes of concern are: flucarbazone-sodium, its sulfonamide and sulfonic acid degradates, O-desmethyl flucarbazone, N,O-dimethyltriazolinone (NODT), and N-methyltriazolinone (NMT). The Limit of Quantification (LOQ) for all analytes in soil must be 0.1 ug/kg soil or less. The water method should be at least as sensitive, and preferably more sensitive (i.e., <0.1 ppb). You must also report the Limit of Detection (LOD) on which the LOQ is based.

Signature of Approving Official:

Date:

SEP 29 2000

By October 1, 2003, you must submit:

PRODUCT CHEMISTRY DATA:

- (a) 5-batch analyses from full-scale production runs. The batch analyses should include an analysis of hydrazine, an impurity of toxicological concern.

TOXICOLOGY DATA:

- (b) A 28-day rat inhalation study.

RESIDUE CHEMISTRY DATA:

- (c) A revised plant enforcement method which measures all residues of toxicological concern: flucarbazone-sodium; its N-desmethyl metabolite; and flucarbazone sulfonamide and its conjugates. You must also submit an independent laboratory validation and radiovalidation of the method.
- (d) Additional residue field trial data on the sulfonamide metabolite and its conjugates. If you can provide adequate storage stability data from the previously conducted field trials, the samples from these field trials may be analyzed for sulfonamide and its conjugates. If not, new field trials must be conducted.
- (e) Additional data on the sulfonamide metabolite and its conjugates in grain samples from the submitted processed food/feed study. You should re-analyze grain samples from this study for flucarbazone sulfonamide and its conjugates. If quantifiable residues are found in the grain, then you must conduct a processing study.
- (f) Additional storage stability data from the submitted rotational crop studies for turnip tops (at ≥ 228 days) and kale (at ≥ 258 days).
- (g) Field rotational crop studies supporting the 11-month plant back interval (PBI) for canola, barley and field peas. You may also submit data to support shortened PBIs for leafy and root vegetables (currently 1 year) or for other crops you wish to add to the label. If residues (parent and metabolites of concern) are detected after 1 year, you must propose rotational crop tolerances for the relevant crops.

ECOTOXICITY DATA:

- (h) Seedling emergence and vegetative vigor data for the sulfonamide degradate. The test plant species should include lentil, canola, oat, onion, sugarbeet and buckwheat.

ENVIRONMENTAL FATE DATA:

- (i) Three field dissipation studies conducted on bare ground. Two of the studies must be conducted in representative winter wheat areas. The third study must be conducted in a spring wheat area.

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- (j) An aerobic aquatic metabolism study (optional). Although not required, you are strongly encouraged to submit this study which could be used by the Agency to refine our calculation of aquatic EECs which are used in estimating risk to aquatic organisms and in drinking water assessments.
- (k) Prospective Ground Water Study (Reserved). We are not requiring this study at this time, but may require it in the future based on the results of the additional data required above.
3. Submit adequate analytical methods for enforcement of the time-limited tolerances on wheat and livestock commodities. EPA acknowledges that you have submitted enforcement methods for both wheat and livestock commodities. These methods are currently being validated by the Analytical Chemistry Branch laboratories, BEAD (7503C), Office of Pesticide Programs. We will notify you of the lab's conclusions as soon as they are available.
4. Make the following label change:
- a. Revise the EPA Registration Number to read "3125-534".
5. Submit one copy of the final printed label for the record before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec.

6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

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

Enclosure

RD:STANTON:PM Team 23:Rm. 239:CM-2:305-5218:Flucarbazone Disk:3125-lgu.wpd

CONCURRENCES							
SYMBOL ▶	7505C						
SURNAME ▶	S. Stanton						
DATE ▶	Sep 29, 2000						

Everest™

70% Water Dispersible Granular Herbicide In Water-Soluble Packets

For post emergence control of wild oat and green foxtail in winter wheat and all types of spring wheat including durum.

ACTIVE INGREDIENT:

Flucarbazone-sodium*,
4,5-Dihydro-3-methoxy-4-methyl-5-oxo-N-
-[[2-(trifluoromethoxy)phenyl]sulfonyl]-1H-
-1,2,4-triazole-1-carboxamide, sodium salt 70%

INERT INGREDIENTS 30%
100%

* 66% Flucarbazone acid equivalent

EPA Est. 3125-MO-1

EPA Reg. No. 3125-LGU

Net Weight ___ Pounds

STOP - Read the label before use.

Keep out of reach of children.

CAUTION

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution: Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any water-proof material
- 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:

User 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.

FIRST AID

If on skin or clothing

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

In case of emergency call toll free the Bayer Kansas City Emergency Response Telephone No. 800-414-0244. Have an EVEREST container or label with you when calling a poison control center or doctor.

Note To Physician: No specific antidote is available. Treat the patient symptomatically.

ENVIRONMENTAL HAZARDS

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 drift from areas treated. Do not contaminate water when disposing of equipment washwaters.

Do not allow sprays to drift onto adjacent desirable plants.

ACCEPTED

SEP 29 2000

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 3125-534

5/7

IMPORTANT: Read these entire Directions and Conditions of Sale before using EVEREST 70 DF.

CONDITIONS OF SALE OR OF DELIVERY FOR USE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. BAYER OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF BAYER AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

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 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 interval. 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 following application.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. 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 made of any water-proof material
- Shoes plus socks

GENERAL INFORMATION

EVEREST is a selective postemergence herbicide for use in spring wheat (hard red spring, Canada Prairie spring, soft white spring and utility), durum wheat and winter wheat.

EVEREST is packaged in convenient water-soluble packets. Each packet contains sufficient EVEREST to treat 10 acres when using the 0.61 ounce/acre rate and 15 acres when using the 0.41 ounce/acre rate.

For optimum activity and crop safety, EVEREST must be tank-mixed with a surfactant and a broadleaf herbicide listed on this label. See section on Tank Mixes for recommended products.

EVEREST is absorbed by foliage and roots of wild oat and green foxtail. Wild oat and green foxtail cease growth soon after EVEREST application. Complete weed control may not be seen for one to two weeks. However, weeds will stop growing and will no longer be competitive.

EVEREST will control wild oat and green foxtail biotypes which have developed resistance to certain classes of herbicides, including ACCase inhibitors, dinitroanilines and triallate.

Read the entire DIRECTIONS FOR USE before using EVEREST 70 DF.

GENERAL USE RESTRICTIONS

1. For use only in wheat.
2. Do not apply by air.
3. Do not mix, load or clean spray equipment within 33 feet of well-heads or aquatic systems, including marshes, ponds, ditches, streams, lakes, etc.
4. Do not apply within 50 feet of well-heads or the above mentioned aquatic systems.
5. Do not apply when rain is expected within the next hour.
6. Do not allow this chemical to drift onto other crops, especially canola, tame oats or other non-target crops.
7. Observe minimum interval to harvest of 60 days after treatment, after which wheat grain and straw from treated fields may be fed to livestock.
8. Do not apply this product through any type of irrigation system.
9. Do not use flood irrigation to apply or incorporate EVEREST.

MIXING INSTRUCTIONS

The enclosed packets containing EVEREST herbicide are water-soluble. Do not allow packets to become wet prior to adding to the spray tank. Reseal outer bag to protect remaining packets.

Important: Do not use packets in liquid fertilizer. Do not use packets in a tank-mix with products that contain boron or release free chlorine. The resultant reaction of water-soluble packets and boron or free chlorine is a plastic which is not soluble in water or solvents such as diesel oils, kerosene, gasoline or alcohol.

Ensure the spray tank is clean. In-line strainers and nozzle screens should be clean and 50 mesh or coarser.

1. Fill the spray tank 1/4 to 1/2 full with clean water and begin agitation or bypass.
2. Add the required number of unopened packets of EVEREST, as determined under "Recommended Rates", directly to the spray tank. Allow a minimum of 5 minutes for the packets to completely dissolve before additional products are added.
3. Add the broadleaf weed herbicide.
4. Add the surfactant.
5. Add micronutrients (if needed, except boron or free chlorine containing products).
6. Fill the spray tank to the required level.
7. Maintain sufficient agitation during both mixing and application of EVEREST.

APPLICATION PROCEDURES

EVEREST should always be applied postemergence to crop and weeds. Do not apply preemergence.

Apply in a spray volume of 5 to 10 gallons/acre (or 50 to 100 liters/hectare) at 30 to 50 PSI to ensure proper weed coverage. Flat fan nozzles of 80 or 110 are recommended for optimum coverage. Do not use floodjet or control droplet application equipment. Nozzles may be oriented 45 degrees forward to enhance crop penetration and to give better weed coverage.

Research has demonstrated that optimum wheat yield is obtained by early removal of grassy weeds before tillering. Apply EVEREST to wheat that has a minimum of one leaf to a maximum of 4 leaves on the main stem plus two tillers. Application beyond this stage may result in yield losses due to weed competition.

Do not apply more than 0.61 ounce/acre of EVEREST per growing season.

Do not make more than one application of EVEREST per growing season.

TIMING OF APPLICATION		
CROP / WEEDS	GROWTH STAGE	REMARKS
Spring Wheat including durum Winter Wheat	1 leaf to 6 total leaves	1 leaf to 4 leaves on main stem plus 2 tillers
Wild oats (<i>Avena fatua</i>)	1 leaf to 6 total leaves	1 leaf to 4 leaves on main stem plus 2 tillers
Green foxtail (<i>Setaria viridis</i>) Yellow foxtail (<i>Pennisetum glaucum</i>)	1 leaf to 6 total leaves	1 leaf to 4 leaves on main stem plus 2 tillers
Ryegrass spp. (<i>Lolium spp.</i>)	1 leaf to tillering	1 leaf to 4 leaves on main stem until end of tillering

RECOMMENDED RATES		
CROP	WEED	RATE
Spring, Durum and Winter Wheat	Green foxtail*	0.41 ounces/acre (each bag treats 15 acres)
	Wild oat*	0.61 ounces/acre (each bag treats 10 acres)
	Yellow foxtail* (Suppression) Ryegrass spp. (Suppression)	0.61 ounces/acre (each bag treats 10 acres)
REMARKS- For control of wild oat, green foxtail and suppression of yellow foxtail and ryegrass spp., apply EVEREST plus a non-ionic surfactant in combination with a broadleaf herbicide, when the majority of wheat has a minimum of one leaf to a maximum of 4 leaves on the main stem plus two tillers. * Indicated grass weeds should be no larger than 4 leaf, 2 tiller.		

Wheat exposed to water logged or saturated soils or temperature extremes such as heat or drought, low fertility, freezing weather or plant disease at application could show unacceptable injury symptoms. Weed control may also be reduced by these same conditions.

Tank Mixes: For broad spectrum control of both annual grasses and broadleaf weeds, EVEREST must be mixed with one of the broadleaf herbicides listed in the following table. Also a non-ionic surfactant (0.25%) must be included in the spray solution. With all tank mix partners, read and follow the use directions, rates, precautions, timing, recropping restrictions, grazing interval restrictions and recommendations on the broadleaf herbicide and surfactant label.

TANK MIX PARTNER	PRODUCT RATES
2,4-D Amine or Ester - 500	0.5 lbs ae/acre
Ally® + 2,4-D Amine or Ester - 500	0.06 oz ai/acre + 0.5 lbs ae/acre
Bromoxynil	0.25 lbs ai/acre
Bromoxynil + MCPA Ester	0.25 lbs ai/acre + 0.25 lbs ae/acre
MCPA Amine	0.5 lbs ae/acre
SURFACTANTS	
Non-ionic surfactant	0.25 % v/v or 1 qt/100 gal

SPRAYER CLEAN-UP

Clean sprayer using the following procedures:

1. Drain the tank and thoroughly rinse spray tank, boom and hoses with clean water especially all visible deposits.
2. Fill the tank with clean water and 1% v/v (1L/100L) household ammonia. Flush the hoses, boom and nozzles with the cleaning solution. Circulate for at least 15 minutes. Flush hoses, boom and nozzles once more and then drain the tank.
3. Clean nozzles and screens in a separate container using the ammonia and water.
4. Repeat 2.
5. Rinse tank, boom and hoses with clean water.

Do not clean sprayer near desirable vegetation, wells or other water sources:

1. Dispose of all rinsate in accordance with pertinent regulations.
2. Check tank mix partner label for any additional clean-up procedures.

RESISTANCE MANAGEMENT

In order to minimize risk of herbicide resistance developing, do not apply EVEREST more than once per growing season. EVEREST is an acetylacetate synthase (ALS) inhibiting herbicide. Avoid applying this product or other ALS inhibitive grass herbicides to the same field for two successive years.

Wild oat and green foxtail are known to develop resistance to herbicides after repeated use. As with any herbicide, the use of this product should conform to resistance management strategies established for the use area. Consult your agricultural advisor for resistance management strategies and recommended pest management practices for your area.

CROP ROTATION RESTRICTIONS

After the application of EVEREST the following crops can be planted after the waiting period as listed below.

4 months		
Wheat		
11 months		
Barley	Canola	Field peas
12 months		
Beets	Carrots	Radishes
Broccoli	Kale	Sweet potatoes
Cabbage	Potatoes	Yams
24 months		
Mustard		

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Kansas City Emergency Response Telephone No. is 800-414-0244 or contact Chemtrec at 800-424-9300.

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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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