

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 21 1998

Ms. Nancy Bockrath
Zeneca Inc., Zeneca Ag Products
1800 Concord Pike
P.O. Box 15458
Wilmington, DE 19850-5458

Dear Ms. Bockrath:

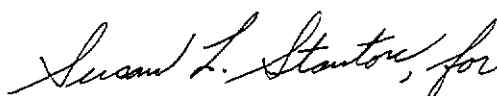
SUBJECT: Label Amendment Adding Use Precautions and Directions for the Southern
Region States
Ordram 15-GM Rice Herbicide
EPA Registration Number: 10182-420
Your Submission Dated July 10, 1998

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided you make the following revision:

1. Insert the heading "CALIFORNIA" above the directions and recommendations for California which begin on page 9.

A stamped copy of the label is enclosed for your records. Submit one copy of the final printed labeling before you release the product for shipment.

Sincerely yours,



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

Enclosure

RD:STANTON:PM Team 23:Rm. 237:CM-2:305-5218:Disk #8:S545941.LET

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	S. Stanton							
DATE ▶	Jul 21, 1998							

ORDRAM® 15-GM**Granules - Selective Herbicide For Use On Rice Only****SOUTHERN REGION AND CALIFORNIA****ACTIVE INGREDIENT:**S-ethyl hexahydro-1*H*-azepine-1-carbothioate 15.0%**INERT INGREDIENTS:** 85.0%

Total 100.0%

Contains 15 pounds of molinate active ingredient per 100 pounds.

EPA Reg. No. 10182-420

Net Contents:

KEEP OUT OF REACH OF CHILDREN**CAUTION**

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.)

ACCEPTED
with COMMENTS
In EPA Letter Dated

JUL 21 1998

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

10182-420

Made in U.S.A.
ZENECA Ag Products
ZENECA Inc.
Wilmington, DE 19850-5458

**CONDITIONS OF SALE
AND LIMITATION OF WARRANTY AND LIABILITY**

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable,

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ZENECA or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ZENECA and Seller harmless for any claims relating to such factors.

ZENECA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or ZENECA, and Buyer and User assume the risk of any such use. ZENECA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall ZENECA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ZENECA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ZENECA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

ZENECA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of ZENECA.

STATEMENT OF PRACTICAL TREATMENT

If a known exposure occurs or is suspected, immediately start the procedures given below. If further treatment is required, contact a Poison Control Center, a physician, or the nearest hospital.

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. If person is unconscious, do not give anything by mouth and do not induce vomiting.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN. Causes moderate eye irritation. Do not get in eyes, on skin or on clothing. Avoid inhalation of dust. Do not contaminate food and feed.

Personal Protective Equipment:

Applicators and pilots not involved in mixing or loading this product must wear:

- Coverall or long-sleeved shirt, long pants
- Shoes plus socks

Mixers, loaders, flaggers and others coming in contact with this product must wear:

- (a) A long-sleeved shirt and long pants under disposable coveralls made of a synthetic material capable of excluding particles 45 microns or larger in diameter, such as Kleenguard™ OR (b) A cotton coverall or chemical-resistant coverall over a full body cloth suit impregnated with activated charcoal OR (c) applies only to use in California: A chemical-resistant coverall (as specified in the current California Department of Pesticide Regulation molinate Worker Safety Permit Conditions) over long-sleeved shirt and pants.

- Chemical-resistant gloves, such as barrier laminate or butyl rubber ≥ 14 mils or nitrile rubber ≥ 14 mils or viton ≥ 14 mils.
- Chemical-resistant footwear plus socks.
- A respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

The above personal protective equipment requirements for mixers and loaders may not be reduced even if a closed mixing and loading system is used. Handler PPE may not be reduced or modified as specified in the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240 (d) (4-6)] for closed systems.

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

This product is extremely toxic to fish. Do not contaminate water used for domestic purposes. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water except as stated on label.

IN CASE OF SPILL EMERGENCY, CALL CHEMTREC 1-800-424-9300

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 protection 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. 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
 - Waterproof gloves
 - Shoes plus socks
 - Protective eyewear
-

GENERAL USE PRECAUTIONS - SOUTHERN REGION

READ ALL LABEL INSTRUCTIONS BEFORE USING. Do not overdose. ORDRAM 15-GM should be used only for recommended purposes and at recommended rates. ORDRAM 15-GM may cause crop injury under extreme soil or climatic conditions or if directions are not followed. The mixture of any other herbicide in the same application with ORDRAM 15-GM may cause crop injury.

Do not apply more than 4 pounds actual ORDRAM 15-GM per acre preplant or more than 5 pounds actual ORDRAM 15-GM per application per acre postflood, postemergence. Do not apply more than 9 pounds of actual ORDRAM 15-GM per acre per season.

Allow 30 days between preplant and postflood treatments. Allow 30 days between the last application and harvest. Do not feed rice straw if application is made within 40 days of harvest.

Equipment used in the application of ORDRAM 15-GM should be carefully calibrated before use and checked frequently during application to be sure it is working properly and delivering a uniform distribution pattern. Avoid overlaps that will increase ORDRAM 15-GM dosage above recommended limits because crop injury may occur.

ORDRAM 15-GM may be applied by aircraft or ground equipment. Aerial application should be made only when the wind velocity is low, 0 to 10 mph.

SOUTHERN REGION (Arkansas, Louisiana, Mississippi, Missouri [Boot-Heel Region Only] and Texas).

DIRECTIONS AND RECOMMENDATIONS FOR PREPLANT, PREFLOOD USE ON RICE (Water-Seeded Rice Only):

For control of Barnyardgrass (*Echinochloa* spp.), for suppression of Annual Sedges (*Cyperus* spp.), Broadleaf Signalgrass (*Brachiaria platyphylla*), Crabgrass (*Digitaria* spp.) and Sprangletop (*Leptochloa* spp.), and for reduced competition from Red Rice (*Oryza sativa*).

SOIL PREPARATION: Use only on soils in good tilth. Prepare the soil for seeding according to good agricultural practices. All weed growth must be thoroughly worked into the soil before treatment.

APPLICATION: (Air or Ground Application): When ORDRAM 15-GM is applied before flooding and planting, application may be made by either air or ground equipment.

SOIL INCORPORATION: Applications of ORDRAM 15-GM must be immediately incorporated thoroughly and uniformly to a depth of 1 to 2 inches. Incorporation may be delayed up to 6 hours when applied to a dry soil surface. Incorporation should be done by at least one disking (pulverizing disc) and harrowing. Do not set disc to cut deeper than 4 inches.

RATE: To control Barnyardgrass and suppress Crabgrass, apply 20 to 27 pounds of ORDRAM 15-GM per acre. To suppress Annual Sedges, Broadleaf Signalgrass and Sprangletop, and to reduce competition from Red Rice, apply 27 pounds of ORDRAM 15-GM per acre. Reduced

competition from Red Rice is improved with continuous floodwater management. An increased seeding rate may be desirable under water-seeded cultures.

FLOOD THE FIELD FOR SEEDING AND HOLD THE WATER FOUR TO SIX DAYS FOLLOWING SEEDING.

DIRECTIONS AND RECOMMENDATIONS FOR POSTFLOOD, PREPLANT USE ON RICE (Water-Seeded Rice at Seeding):

For control of Barnyardgrass (*Echinochloa* spp.) and for reduced competition from Red Rice (*Oryza sativa*).

SOIL PREPARATION: Use only on soils in good tilth. Prepare the soil for seeding according to good agricultural practices. All weed growth must be thoroughly worked into the soil before treatment. ORDRAM 15-G should be applied to murky (silty) water after working of soil.

APPLICATION: Apply ORDRAM 15-GM into the flood water by air application. Follow with seeding 2 to 3 days after the ORDRAM 15-GM application. Allow the flood water to remain stable from application until germination and rooting have occurred as in normal water-seeding procedures, usually 4 to 6 days following seeding.

RATE: To control Barnyardgrass apply 20 to 27 pounds of ORDRAM 15-GM per acre, and to reduce competition from Red Rice, apply 27 pounds of ORDRAM 15-GM per acre. Reduced competition from Red Rice is improved with continuous floodwater management.

DIRECTIONS AND RECOMMENDATIONS FOR POSTFLOOD, POSTEMERGENCE USE ON RICE (Water-Seeded or Dry-Seeded Rice):

For control of Barnyardgrass (*Echinochloa* spp.) and Dayflower (*Commelina communis*), and for suppression of Annual Sedges (*Cyperus* spp.), Spikerush (*Eleocharis* spp.), Brooks Paspalum (*Paspalum accuminatum*) and Sprangletop (*Leptochloa* spp.).

APPLICATION: Apply ORDRAM 15-GM into the flood water by air application only.

STANDARD TREATMENT: Rice must be established at the time of application. Barnyardgrass, Dayflower, Annual Sedges, Spikerush and Sprangletop must not be more than 5 inches high. Barnyardgrass, Annual Sedges, Spikerush and Sprangletop must be at least 2/3 submerged. Dayflower must be completely submerged. Brooks Paspalum runners should be completely submerged and not longer than 12 inches. Floods should be maintained at these depths until the Barnyardgrass and/or Dayflower are controlled or until the Annual Sedges, Spikerush, Brooks Paspalum and Sprangletop are suppressed.

RATE: Apply 20 pounds of ORDRAM 15-GM per acre.

FOR SUPPRESSION OF LARGE GRASSES (Suppression-stopping normal development):
Apply 20 to 27 pounds of ORDRAM 15-GM per acre for Barnyardgrass 5 to 12 inches in height.
Apply 33 pounds of ORDRAM 15-GM per acre for unusually heavy infestations of Barnyardgrass under 12 inches in height and for Barnyardgrass 12 to 24 inches in height.
Apply 33 pounds of ORDRAM 15-GM per acre for Sprangletop 5 to 12 inches in height. Flood

9/11

water must be maintained at a 4 to 6 inch depth. Avoid overlaps because crop injury may occur.

GENERAL USE PRECAUTIONS - CALIFORNIA ONLY

READ ALL LABEL INSTRUCTIONS BEFORE USING. ORDRAM 15-GM should be used only for recommended purposes and at recommended rates. ORDRAM 15-GM may cause crop injury under extreme soil or climatic conditions or if directions are not followed. Do not tank mix any other herbicide in the same application with ORDRAM 15-GM as injury may occur.

- Do not apply more than 4 pounds of molinate a.i. per acre preplant or more than 5 pounds a.i. per application per acre postflood, postemergence.
- Do not apply more than 9 pounds of molinate a.i. per acre per season.
- Do not make more than 3 applications per season.
- Do not make more than one preplant application per season.
- Do not apply ORDRAM 15-GM within 30 days of harvest.

Equipment used in the application of ORDRAM 15-GM should be carefully calibrated before use and checked frequently during application to be sure it is working properly and delivering a uniform distribution pattern. Avoid overlaps that will increase ORDRAM 15-GM dosage above recommended limits because crop injury may occur.

ORDRAM 15-GM may be applied by aircraft or ground equipment. Aerial application should be made only when the wind velocity is low, 0 to 10 mph.

Damage may occur to certain long-grain rice varieties when ORDRAM 15-GM is used at the higher rates. Consult State Agricultural Extension Service or County Agricultural Advisors before applying ORDRAM 15-GM on long-grain varieties.

Release flood water strictly in accordance with applicable use permit conditions. Consult the State Department of Pesticide Regulation or your County Agricultural Commissioner for further information. If water release is necessary, draw the water down slowly.

DIRECTIONS AND RECOMMENDATIONS FOR PREPLANT, PREFLOOD, SOIL INCORPORATED USE ON RICE (Water-Seeded Rice Only):

For use on Rice to control Barnyardgrass (*Echinochloa crus-galli*) and Watergrasses (*Echinochloa* spp.)

SOIL PREPARATION: Use only on soils in good tilth. Prepare the soil for seeding according to good agricultural practices. All weed growth must be thoroughly worked into the soil before treatment.

RATE: Apply 20 to 27 pounds of ORDRAM 15-GM per acre. Use the higher rates for optimum weed control and for heavy infestations.

APPLICATION: Apply the specified rate of ORDRAM 15-GM by either air or ground equipment. Applications of ORDRAM 15-GM must be incorporated to a depth of 2 to 3 inches within 6 hours by mechanical incorporation. Incorporation should be done by at least two (2) discings or heavy spike-tooth harrowings, or by use of a rice roller, or a combination of these incorporation implements. Do not set disc to cut deeper than 4 inches.

Flood the field for seeding. For optimum weed control, hold the flood water for a minimum of 4 days after the field is completely flooded or until the Barnyardgrass/Watergrass dies.

DIRECTIONS AND RECOMMENDATIONS FOR POSTFLOOD, POSTEMERGENCE USE ON RICE (Water-Seeded or Dry-Seeded Rice):

For use on Rice to control Barnyardgrass (*Echinochloa crus-galli*) and Watergrasses (*Echinochloa* spp.). Rice should be in the seedling stage at the time of application. To avoid possible rice injury, do not apply ORDRAM 15-GM at high rates when rice is under stressed conditions or less than the two-leaf stage of growth.

RATE: Apply 20 to 33 pounds of ORDRAM 15-GM per acre.

APPLICATION: Apply the specified rate of ORDRAM 15-GM by air only. Barnyardgrass and Watergrasses must be a minimum of 2" high but not higher than 5", and it must be at least 2/3 submerged at time of application. The water level (not less than 2") must be maintained until the Barnyardgrass/Watergrass dies. To avoid uneven distribution of ORDRAM 15-GM, the water flow through the field should be at a minimum at the time of application and for at least 2 hours after application.

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food, feed, fertilizer or seeds by storage or disposal. Open dumping is prohibited. Keep container closed when not in use.

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: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

ORDRAM® is a trademark of a ZENECA Group Company.