

JUL 19 1994

Elizabeth D. Owens, Ph.D.  
Manager, Product Registrations  
ISK Biosciences Corporation  
5966 Heisley Road  
P.O. Box 8000  
Mentor, Ohio 44061-8000

Dear Dr. Owens:

Subject: Ansar 170 Herbicide  
EPA Reg. No. 50534-36  
Ansar 529 Herbicide  
EPA Reg. No. 50534-37  
Ansar 184 Herbicide  
EPA Reg. No. 50534-38 ✓  
Monex Herbicide  
EPA Reg. No. 50534-44  
Ansar 170 H.C. Herbicide  
EPA Reg. No. 50534-48  
Label Revisions  
Your Applications & Letters Dated 5/12/94

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. A stamped copy is enclosed for your records. Submit one (5) copies of your final printed labeling prior to releasing the product for shipment.

You should delete the statement "DO NOT contaminate water by cleaning of equipment or disposal of wastes" under **Environmental Hazards**, as it is redundant with the second sentence under this section. You must also revise you labels as required by the WPS label acceptance letter dated 5/26/94.

Regarding EPA Reg. No. 50534-38, in addition to the aforementioned comments, under **Mixing Instructions**, put a period after "overnight", and revise the last statement to read, "Clean application equipment thoroughly after using by flushing with water in a safe place."

2 7 8

Regarding EPA Reg. No. 50534-48, in addition to the  
aforementioned comments, under **Lawn And Ornamental Turf**, in the  
first sentence, change "not" to "no".

Sincerely Yours,

17

Cynthia Giles-Parker  
Product Manager (22)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Enclosures

# 3 9 8

## Ansar® 184 Herbicide

### DSMA Powder

#### For Selective Post-Emergent Weed Control

Active Ingredient: Disodium Methanearsonate*	63.0%
Inert Ingredients:	37.0%
Total:	100.0%

Total Arsenic, all in water-soluble form, expressed as elemental 25.6%

\*Product equivalent to 100% Disodium Methanearsonate Hexahydrate

Keep Out of Reach of Children

## CAUTION:

See Side Panel for Additional Precautionary Statements

### ISK ~~Biotech~~ Biosciences Corporation

5966 Heisley Road

P.O. Box 8000

Mentor, Ohio 44061-8000

EPA Reg. No. 50534-38

EPA Est. No.: 50534-TX-01

ANSAR® is a registered trademark of ISK ~~Biotech~~ Biosciences Corporation

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

1994

Under the Federal Insecticide  
and Fungicide Act  
and for the pesticide  
under EPA Reg. No.

50534-38

BEST AVAILABLE COPY

## Precautionary Statements

### Hazards to Humans and Domestic Animals

#### Caution

Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing dust or spray mist.

If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. NEVER give anything by mouth to an unconscious person. Seek medical attention.

In case of contact, flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

Wash exposed skin gently with plenty of soap and water.

~~Keep children and domestic animals off treated areas until this material has been washed into the soil.~~

~~Wear protective clothing when handling or applying this product including long pants, long-sleeve shirt, and impermeable gloves and boots. Mixer-loaders should include an apron and full-face shield when handling or mixing concentrate. Flagmen should be fully protected during spray operations or mechanical flagmen used. Pilots and ground spray rig applicators should wear a mask or respirator approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health.~~

#### **Personal Protective Equipment:**

*Applicators and other handlers must wear:*

- \* Long-sleeved shirt and long pants
- \* Waterproof gloves
- \* Chemical-resistant footwear plus socks
- \* Protective eyewear
- \* Chemical-resistant apron when cleaning equipment, mixing or loading

*For exposures in enclosed areas:*

- \* A respirator with either an organic vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)

*For exposures outdoors:*

- \* Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

*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.*

*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.*

**BEST AVAILABLE COPY**

**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 disposal of equipment washwaters.

DO NOT feed treated foliage to livestock or graze treated areas.

DO NOT spray or allow drift onto vegetables, ornamentals or other desirable plants.

DO NOT apply when weather conditions favor drift from target area.

DO NOT contaminate water by cleaning of equipment or disposal of wastes.

**ANSAR 184 H.C. Herbicide**

Read entire label before using this product.

**General Information**

ANSAR 184 Herbicide is useful for selective post-emergent weed control, particularly for grassy weeds. Its activity is enhanced by addition of a suitable surfactant to the spray solution. Is most effective on young, actively growing weeds at air temperatures about 70°F. Its phytotoxic properties are quickly inactivated on contact with the soil.

**Mixing Instructions:** ANSAR 184 Herbicide must be thoroughly dissolved. Fill the spray equipment reservoir about half full with water and add the required amount of herbicide with agitation. Finish filling the reservoir with water and apply. DO NOT store spray solution in tank ~~for a prolonged period. overnight, and~~ Clean application equipment thoroughly after using <sup>by</sup> flushing with water in a safe place.

**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.

**BEST AVAILABLE COPY**

**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.**

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
- \* Chemical-resistant footwear plus socks
- \* Protective eyewear

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

**Keep children and domestic animals off treated areas until this material has been washed into the soil.**

DO NOT apply this product through any type of irrigation equipment.

Cotton: ANSAR 184 Herbicide is useful as a directed spray application in cotton for post-emergent control of weeds and grasses such as Johnsongrass, nutsedge, dallisgrass, cocklebur, ragweed, sandbur, and puncture vine.

Ansar 184 Herbicide should be applied to weeds in cotton at the rate of 3.6 pounds per acre.

Mix at the rate of 9.0 pounds in 100 gallons of water and add 1 to 2 quarts of a mild surfactant cleared for application to growing crops. Apply at a broadcast rate of 40 gallons per acre. Best results are obtained at temperatures above 70°F. For band application, apply at the rate of 1 gallon of this solution for each inch of band width per acre for cotton in 40 inch rows. A second application may be required during humid growing conditions. Time the second application, if necessary, about 1 to 3 weeks after the first application.

**APPLY ONLY WHEN COTTON IS 3 INCHES HIGH TO FIRST BLOOM. DO NOT APPLY AFTER FIRST BLOOM. DO NOT FEED TREATED FOLIAGE TO LIVESTOCK, OR GRAZE-TREATED AREAS.**

**BEST AVAILABLE COPY**

Slight burning and a reddish discoloration of the cotton leaf may occasionally occur following the recommended treatment, but the cotton plant will develop normally *and yield will not be affected*. ANSAR 184 Herbicide should be applied with a low volume sprayer, having satisfactory pumping and bypass action. Nozzles should be placed so as to avoid spraying the cotton foliage, but also to give good coverage of the weeds and grasses. Proper coverage is very important. Adjust nozzles to allow maximum coverage of weeds and grasses. Adjust nozzles to direct the spray in a manner to allow maximum coverage of weeds. Keep spray off cotton foliage.

**NON-CROP:** ANSAR 184 Herbicide is useful for controlling Johnsongrass, nutsedge, and certain other weeds on drainage ditch banks, rights-of-way, fence rows, storage yards and similar non-crop areas. Mix ANSAR 184 Herbicide at a rate of 4 to 9 pounds, plus 1 to 2 quarts of a suitable surfactant, in 100 gallons of water. Spray the unwanted vegetation thoroughly to just short of run-off. Any spray equipment that gives good coverage may be used. If regrowth occurs, reapply as required.

**DO NOT CONTAMINATE WATERS USED FOR DOMESTIC CONSUMPTION, OR BY ANIMALS, WILDLIFE AND AQUATIC LIFE, OR FOR IRRIGATION PURPOSES.**

**Lawn and Ornamental Turf:** ANSAR 184 Herbicide is designed for the selective kill of dallisgrass, sandbur, bahiagrass, nutsedge, crabgrass, chickweed and wood sorrel with little or not injury to good lawn grasses. On new lawns, do not treat until after three mowings. Good grasses may be temporarily affected, especially in hot weather. Rain or waterings will revive them. Bent and fescue grasses are generally more sensitive, and may be temporarily discolored. Zoysia, bluegrasses, and bermuda are tolerant. **DO NOT** use on St. Augustinegrass, centipedegrass, *carpet grass*, or *apply to Dichondra*.

Mow lawns 1 to 1-1/2 inches high before treatment. Mix 2 ounces of ANSAR 184 Herbicide in 2-1/2 gallons of water, containing 2 to 3 fluid ounces of a suitable surfactant, and apply to an area of 1000 sq. ft. Spray thoroughly to wet all undesirable plants. Repeat applications, 10 to 14 days apart, may be needed for good control. **DO NOT** water turf for at least 24 hours after application. **DO NOT** reseed until two weeks after application.

**DO NOT** apply with hose-end applicators.

#### **Storage and Disposal:**

**DO NOT** contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**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:** **DO NOT** reuse empty container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. 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.

**BEST AVAILABLE COPY**

**Warranty and Limitation of Damages**

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

*Buyers and users of this product are responsible for all loss or damage from use or handling of this product which results from conditions beyond the control of Seller, including, but not limited to, incompatibility with other products unless otherwise expressly provided in the Directions for Use of this product, weather conditions, cultural practices, moisture conditions or other environmental conditions outside of the ranges that are generally recognized as being conducive to good agricultural and/or horticultural practices.*

**BEST AVAILABLE COPY**