



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

EPA Reg. Number:

Date of Issuance:

56228-32

MAR 30 1998

NOTICE OF PESTICIDE:
 Registration
 x Reregistration

(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:

M-44 CYANIDE CAPSULES
ARCTIC FOX

Name and Address of Registrant (include ZIP Code):

Dr. Teung Chin, Leader
Data Support Team
Technical and Scientific Services
USDA/APHIS/BBEP
Unit 150
4700 River Road
Riverdale, MD 20737

S539425
656/22

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 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.

Based upon your response to the Reregistration Eligibility Decision (RED) document issued for Sodium Cyanide, EPA has reregistered the product identified above. This action is taken under the authority of §4(g)(2)(C) of the Federal Insecticide, Fungicide and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

The Confidential Statement of Formula (CSF) dated "8-10-95" remains acceptable. The efficacy data cited in your 8-months response to the RED also remain acceptable.

Signature of Approving Official:

Tara E. Levine

Date:

MAR 30 1998

The comments listed below apply to the proposed revised labeling that you submitted on February 27, 1998.

1. The proposed revised container label is acceptable.
2. The proposed revised capsule label is acceptable.
3. The proposed revised technical bulletin is generally acceptable, but the proposed change in use restriction #5 is rejected. Use restriction #5 must continue to read:

"The M-44 device shall only be used to take arctic fox suspected of preying on Federally designated threatened or endangered species."

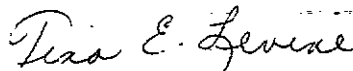
Submit two copies of each element of the final printed labeling. The revisions stipulated above must be incorporated into the final printed labeling.

If you do not comply with these conditions, 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.

Stamped copies of the capsule label, the container label, and the use restriction bulletin are enclosed for your records.

If you have any questions about this letter, you may call Dr. William W. Jacobs of my staff at 703-305-6406.

Sincerely yours,



Tina E. Levine, Ph. D.
 Chief
 Insecticide-Rodenticide Branch
 Registration Division (7505C)

**PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND
DOMESTIC ANIMALS**

DANGER

Sodium cyanide may be fatal if swallowed or inhaled. Use only with adequate ventilation and do not breathe the gas or dust. When handling, setting out or checking M-44 cyanide capsules, always have at least six pearls of Amyl-Nitrite readily available in case sodium cyanide is swallowed or inhaled.

While handling sodium cyanide capsules, protect hands with gloves and shield eyes to prevent eye burns and skin irritation. Wash thoroughly before eating or smoking.

Do not use in areas frequented by humans or domestic dogs.

ENVIRONMENTAL HAZARDS

This pesticide is **TOXIC TO WILDLIFE**. Keep out of lakes, ponds or streams. Do not contaminate water by cleaning of equipment or disposing of wastes. The M-44 ejector device may not be used in areas inhabited by endangered canids and felids.

CHEMICAL HAZARDS

Contact with acid liberates poisonous and flammable hydrogen cyanide gas.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

For use in specific situations to reduce arctic fox that depredate Federally designated threatened or endangered species. For use in the Aleutian Islands, Alaska only. Do not place in areas where food crops are planted. Do not use within 200 feet of the median high tide.

IMPORTANT - Before handling or placing M-44 cyanide capsules or M-44 ejector devices, consult the Use Restriction Bulletin for specific use directions, additional precautions, information on endangered species, warning signs and antidotal measures.

WARNING SIGNS - Bilingual (Spanish/English) warning signs must be posted in the general area and at the application site.

**RESTRICTED USE PESTICIDE
DUE TO INHALATION HAZARD TO HUMANS AND THE NEED
FOR HIGHLY SPECIALIZED APPLICATOR TRAINING**

For retail sale and distribution to and use only by Certified Applicators who have taken the required additional training to use M-44 Sodium Cyanide Capsules in M-44 ejector units, and for whom the registrant assumes a supervisory role with respect to the use of this product.

**M-44 CYANIDE CAPSULES
Arctic Fox**

For use in the M-44 ejector device to control arctic fox (*Alopex lagopus*) that depredate Federally designated threatened or endangered species in the Aleutian Islands, Alaska.

ACTIVE INGREDIENT:

Sodium Cyanide 91.06%

INERT INGREDIENTS: 8.94%

TOTAL: 100.00%

**KEEP OUT OF THE REACH OF CHILDREN
DANGER - POISON**



**STATEMENT OF PRACTICAL TREATMENT
IF SWALLOWED: CALL A PHYSICIAN OR POISON
CONTROL CENTER IMMEDIATELY!**

IF SWALLOWED OR INHALED - Prompt treatment is of the utmost importance. Carry patient to fresh air, have him lie down. Patient should breathe the contents of an Amyl Nitrite pearl 15-30 seconds each minute if necessary, until five pearls have been used. Use artificial respiration if breathing has stopped. Remove contaminated clothing, but keep patient warm.

CALL A PHYSICIAN IMMEDIATELY.

IF ON SKIN - Immediately flush with plenty of water.

IF IN EYES - Immediately flush with plenty of water, and call a physician.

SEE LEFT SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

STORAGE AND DISPOSAL

STORAGE: Store M-44 cyanide capsules under lock and key in a dry place away from food, domestic animals and acids. Do not contaminate feed or food stuffs.

DISPOSAL: Dispose of defective and used M-44 capsules by burial in a safe location in the field or at a proper landfill site.

Incineration may be used instead of burial for disposal of used capsules. Place capsules in an incinerator or refuse hole and attend the burn until the contaminated material is completely consumed. If burned, stay out of smoke.

**ENDANGERED SPECIES
CONSIDERATIONS**

Use of this product is prohibited in areas where such use might jeopardize the continued existence of endangered species. Contact the local office of the U.S. Fish and Wildlife Service to determine the locations of habitats occupied by an endangered species which may be put at risk by use of this product.

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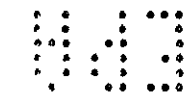
UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

Riverdale, MD 20737

EPA Est. No. 56228-ID-1

EPA Reg. No. 56228-32

50 Capsules - Net Weight 48.5 grams

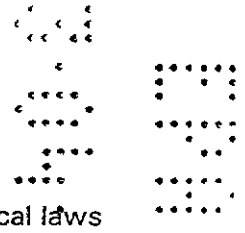


12/97

3 of 8

ACCEPTED
 WITH COMMENTS
 in EPA Letter Dated
MAR 30 1998
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 provided for the pesticide
 registered under EPA Reg. No.
56228-32

M-44 Cyanide Capsules
M-44 Use Restrictions
EPA Registration No. 56228-32
February 27, 1998



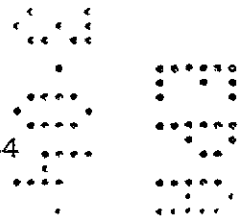
1. Use of the M-44 device shall conform to all applicable Federal, State, and local laws and regulations.
2. Applicators shall be subject to such other regulations and restrictions as may be prescribed from time-to-time by the U.S. Environmental Protection Agency (EPA).
3. Each applicator of the M-44 device shall be trained in: (1) safe handling of the capsules and device, (2) proper use of the antidote kit, (3) proper placement of the device, and (4) necessary record keeping.
4. M-44 devices and sodium cyanide capsules shall not be sold or transferred to, or entrusted to the care of any person not supervised or monitored, by the Animal and Plant Health Inspection Service (APHIS), Animal Damage Control (ADC) program or any agency not working under an ADC cooperative agreement.
5. The M-44 device shall only be used to take wild canids: (1) suspected of preying on livestock or poultry; (2) suspected of preying on Federally designated threatened or endangered species, or; (3) that are vectors of a communicable disease.
6. The M-44 device shall not be used solely to take animals for the value of their fur.
7. The M-44 device shall only be used on or within 7 miles of a ranch unit or allotment where losses due to predation by wild canids are occurring or where losses can be reasonably expected to occur based upon recurrent prior experience of predation on the ranch unit or allotment. Full documentation of livestock depredation, including evidence that such losses were caused by wild canids, will be required before applications of the M-44 are undertaken. This use restriction is not applicable when wild canids are controlled to protect Federally designated threatened or endangered species or are vectors of a communicable disease.
8. The M-44 device shall not be used: (1) in areas within national forests or other Federal lands set aside for recreational use, (2) areas where exposure to the public and family and pets is probable, (3) in prairie dog towns, or, (4) except for the protection of federally designated threatened or endangered species, in National and State Parks; National or State Monuments; federally designated wilderness areas; and wildlife refuge areas.
9. The M-44 device shall not be used in areas where federally listed threatened or endangered animal species might be adversely affected. Each applicator shall be

M-44 Cyanide Capsules
M-44 Use Restrictions
EPA Registration No. 56228-32
February 27, 1998

issued a map, prepared by or in consultation with the U.S. Fish and Wildlife Service, which clearly indicates such areas.

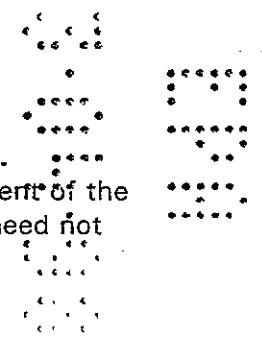
- 10. One person other than the individual applicator shall have knowledge of the exact placement location of all M-44 devices in the field.
- 11. In areas where more than one governmental agency is authorized to place M-44 devices, the agencies shall exchange placement information and other relevant facts to ensure that the maximum number of M-44's allowed is not exceeded.
- 12. The M-44 device shall not be placed within 200 feet of any lake, stream, or other body of water, provided that natural depression areas which catch and hold rainfall only for short periods of time shall not be considered "bodies of water" for purposes of this restriction.
- 13. The M-44 device shall not be placed in areas where food crops are planted.
- 14. The M-44 device shall be placed at least at a 50-foot distance or at such a greater distance from any public road or pathway as may be necessary to remove it from the sight of persons and domestic animals using any such public road or pathway.
- 15. The maximum density of M-44's placed in any 100 acre pasture land areas shall not exceed 10; and the density in any 1 square mile of open range shall not exceed 12.
- 16. No M-44 device shall be placed within 30 feet of a livestock carcass used as a draw station. No more than four M-44 devices shall be placed per draw station and no more than five draw stations shall be operated per square mile.
- 17. Supervisors of applicators shall check the records, warning signs, and M-44 devices of each applicator at least once a year to verify that all applicable laws, regulations, and restrictions are being strictly followed.
- 18. Each M-44 device shall be inspected at least once every week, weather permitting access, to check for interference or unusual conditions and shall be serviced as required.
- 19. Damaged or nonfunctional M-44 devices shall be removed from the field.
- 20. An M-44 device shall be removed from an area if, after 30 days, there is no sign that a target predator has visited the site.

M-44 Cyanide Capsules
M-44 Use Restrictions
EPA Registration No. 56228-32
February 27, 1998




- 21. All persons authorized to possess and use sodium cyanide capsules and M-44 devices shall store such capsules and devices under lock and key.
- 22. Used sodium cyanide capsules shall be disposed of by deep burial or at a proper landfill site. Incineration may be used instead of burial for disposal. Place the capsules in an incinerator or refuse hole and burn until the capsules are completely consumed. Capsules may be incinerated using either wood or diesel fuel.
- 23. Bilingual warning signs in English and Spanish shall be used in all areas containing M-44 devices. All such signs shall be removed when M-44 devices are removed.
 - a. Main entrances or commonly used access points to areas in which M-44 devices are set shall be posted with warning signs to alert the public to the toxic nature of the cyanide and to the danger to pets. Signs shall be inspected weekly to ensure their continued presence and ensure that they are conspicuous and legible.
 - b. An elevated sign shall be placed within 25 feet of each individual M-44 device warning persons not to handle the device.
- 24. Each authorized or licensed applicator shall carry an antidote kit on his person when placing and/or inspecting M-44 devices. The kit shall contain at least six pearls of amyl nitrite and instructions on their use. Each authorized or licensed applicator shall also carry on his person instructions for obtaining medical assistance in the event of accidental exposure to sodium cyanide.
- 25. In all areas where the use of the M-44 device is anticipated, local medical people shall be notified of the intended use. This notification may be through a poison control center, local medical society, the Public Health Service, or directly to a doctor or hospital. They shall be advised of the antidotal and first-aid measures required for treatment of cyanide poisoning. It shall be the responsibility of the supervisor to perform this function.

M-44 Cyanide Capsules
M-44 Use Restrictions
EPA Registration No. 56228-32
February 27, 1998

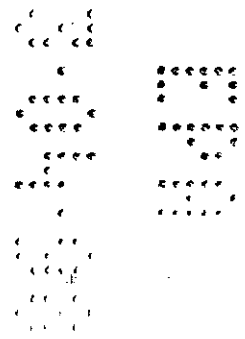


26. Each authorized M-44 applicator shall keep records dealing with the placement of the device and the results of each placement. Such records shall include, but need not be limited to:
- a. The number of devices placed.
 - b. The location of each device placed.
 - c. The date of each placement, as well as the date of each inspection.
 - d. The number and location of devices which have been discharged and the apparent reason for each discharge.
 - e. Species of animals taken.
 - f. All accidents or injuries to humans or domestic animals.

U.S. Department of Agriculture
Animal and Plant Health Inspection Service
Riverdale, MD 20737-1237
February 27, 1998

 **DANGER
POISON**
M-44 Cyanide Capsule
Contains Sodium Cyanide - 91.66%
USDS - APHIS - OSS - WS
Riversdale, MD 20737

ACCEPTED
MAR 30 1998
U.S. Department of Agriculture
Animal and Plant Health Inspection Service
Washington, DC 20250
56228-32



M-44 Cyanide Capsules, EPA Reg. No. 56228-32
Label affixed to the individual capsules.