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FEB 12 1998

U.S. Department of Agriculture
Animal and Plant Health Inspection Service
4700 River Road, Unit 152
Riverdale, MD 20737-1237

Attention: Dr. Teung F. Chin

Subject: Compound DRC-1339 Concentrate - Livestock, Nest and
Fodder Depredations
EPA Reg. No. 56228-29
Your amended application of January 13, 1998
Our February 27, 1997, letter

In your letter, you indicated that you wanted to incorporate the Worker Protection labeling required by the Starlicide RED so that you could use this product in California to protect the San Clemente Loggerhead shrike, an endangered species. As indicated in our February 1997 letter, additional precautionary labeling changes would be needed in the future because of the acute toxicity data received by the Agency. Therefore, our comments below reflect those data.

The labeling submitted with the above letter is acceptable, provided that you submit one (1) copy of final printed labeling with the following changes before you release the product for shipment:

1. Revise the first sentence of your "Restricted Use Pesticide" text as follows:

Due to Acute Hazards (Oral, Dermal, Inhalation, and Eye) to Humans, Nontarget Birds, and Aquatic Invertebrate and the Need for Highly Specialized Applicator Training.

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2. In the 3rd sentence, change "exclusively" to "only".
3. Correct the spelling of "clothing".
4. Revise your text under "DANGER" as follows:

Fatal if swallowed or inhaled. Corrosive. Causes irreversible eye damage and skin burns. This product may cause skin sensitization reactions in some people. Do not get in eyes, on skin, or on clothing. Wear protective clothing, protective eyewear, and respiratory protection, as listed under "Personal Protective Equipment". Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse.

5. Change your "Statement of Practical Treatment" heading to "First Aid" and modify text as follows:

FIRST AID

- 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. Do not induce vomiting or give anything by mouth to an unconscious person.
- IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
- IF IN EYES: Flush with a steady, gentle stream of water for 15 minutes. Call a physician.
- IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

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This registration will be subject to cancellation in accordance with FIFRA sec. 6(e) if you do not comply with these conditions. Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

If you have questions about this letter, you may reach me by phone (703-305-5407, fax (703-305-6596), or E-Mail (peacock.dan@epamail.epa.gov).

Sincerely,



Daniel B. Peacock, Biologist
Insecticide-Rodenticide Branch
Registration Division (7504C)

Enclosures: 1. Stamped Label
2. A-79 Enclosure

Peacock:Disk 15:A:\Starlici\56228-29.Feb:305-5407:2/11/98

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

May be fatal if swallowed, harmful if inhaled or absorbed through the skin. Do not breathe vapors or dust. Corrosive, causes eye and skin damage. Handle only with protective gloves, clothing, and face mask, or respirator. Wash hands with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT

Wear goggles or face shield and rubber gloves when handling. Wash hands with soap and water after handling. Handlers who mix packages containing 1 lb or more of this product must wear: 1) Coveralls over long-sleeved shirt and pants, 2) Waterproof gloves, 3) Chemical-resistant footwear and socks, 4) Protective eyewear, and 5) Respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G)

Users should remove PPE immediately after handling this product, wash thoroughly and put on clean clothing. If pesticide gets inside clothing, remove immediately. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions are provided for washables, use detergent and hot water. Keep and wash PPE separately from other laundry before reuse.

ENDANGERED SPECIES CONSIDERATIONS

Before undertaking any control operations with the product, consult with local, State, and Federal wildlife authorities to ensure the use of this product presents no hazard to any endangered species.

STORAGE AND DISPOSAL

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

STORAGE: Store only in original container, in a dry place inaccessible to children, pets and domestic animals.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spilled bait, 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 by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then dispose of bags in a sanitary landfill or by incineration if allowed by State and local authorities. If burned, stay out of smoke.

RESTRICTED USE PESTICIDE

Due to acute hazards to eyes, nontarget birds and aquatic invertebrates, and to the need for highly specialized applicator training.

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators certification.

For use exclusively by U.S. Department of Agriculture personnel trained in bird control or persons under their supervision.

COMPOUND DRC-1339 CONCENTRATE - Livestock, Nest & Fodder Depredations

For control of crows, ravens, and magpies that prey on newborn livestock, that prey on eggs/ or young of Federally-designated Threatened or Endangered Species or of other species designated to be in need of special protection or that damage and feed on the contents of silage/fodder bags.

ACTIVE INGREDIENT:	3-Chloro-p-toluidine hydrochloride	97.0%
INERT INGREDIENTS:		3.0%
TOTAL:		100.0%

ACCEPTED
with COMMENTS
OUT OF REACH OF CHILDREN
EPA Letter Dated:

FEB 12 1998

~~DANGER - POISON~~

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



56228-29 STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY!

IF SWALLOWED: Induce vomiting and immediately call a physician.

IF INHALED: Move patient from contaminated area and immediately call a physician.

IF ON SKIN OR IN EYES: Immediately flush eyes or skin with large quantities of water. Call a physician immediately.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the entire label. Use strictly in accordance with precautionary statements and directions and with applicable State and Federal regulations.

GENERAL INFORMATION: Compound DRC-1339 Concentrate is a slow acting avicide. Birds ingesting treated bait(s) die within one to three days.

USE RESTRICTIONS

TARGET SPECIES:

Common raven (*Corvus corax*)

White-necked raven (*Corvus cryptoleucus*)

Common crow (*Corvus brachyrhynchos*)

Black-billed magpie (*Pica pica*)

This product may be used only to prepare egg or meat-cube baits used to control common ravens (*Corvus corax*), white-necked ravens (*C. cryptoleucus*), common crows (*C. brachyrhynchos*), and black-billed magpies (*Pica pica*):

(1) in rangeland and pastureland areas where these species prey upon newborn livestock;

(2) in refuges or other areas under direct control of Federal or State agencies where ravens or crows prey upon the eggs and/or young of Federally-designated Threatened or Endangered Species, or upon the eggs and young of other species which Federal or State wildlife agencies have determined to be in need of protection from nest predators due to documented declines in numbers and/or in nesting success; or

(3) within 25 feet of silage/fodder bags that have been damaged or are likely to be damaged by crows, ravens, or black-billed magpies.

SEE BACK PANELS FOR ADDITIONAL DIRECTIONS FOR USE.

ENVIRONMENTAL HAZARDS

This product is toxic to birds and aquatic invertebrates. Collect all spilled baits. Do not apply to water, or to areas where surface water is present, or to intertidal areas below the mean high tide mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

Riverdale, MD 20737-1237

EPA Est. No. 56228-ID-1

EPA Reg. No. 56228-29

Net Weight

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DIRECTIONS FOR USE (Cont.)

Before applying treated baits, carefully observe feeding habits of ravens, magpies and/or crows to determine times of day when and sites where target species are likely to find and consume treated baits quickly while nontarget species potentially at risk are unlikely to find treated baits. Prebaiting with untreated ("placebo") bait materials may be necessary to promote feeding by target species and to assess potential for exposure of nontarget species.

DO NOT apply treated baits in areas where there is a danger that Threatened and Endangered Species will consume baits unless special precautions are taken to limit such exposures. Such precautions shall include constant observation of baited sites and use of hazing tactics to frighten away Threatened or Endangered Species that otherwise might feed upon baits.

Dispose of unused, treated baits and carcasses of dead or dying birds that are found by burning or burial, as authorized by applicable laws.

NOTE: WHEN CONTROLLING CROWS AND RAVENS, IT MAY BE NECESSARY TO OBTAIN A KILL-PERMIT FROM THE U.S. FISH AND WILDLIFE SERVICE AND/OR THE APPLICABLE STATE WILDLIFE AGENCY.

DIRECTIONS FOR USE (Cont.)

MEAT BAITS:

FORMULATION DIRECTIONS: Mix 0.75 grams (0.027 oz) of Compound DRC-1339 Concentrate with 5.0 grams (0.18 oz) of powdered sugar. Pour or sprinkle concentrate-sugar mixture over 200 meat cubes that measure about 1.3 cm (1/2 in.) on each side. Mix or tumble bait slowly until all meat cubes appear to be evenly covered.

APPLICATION: Use meat baits prepared from this product only at the sites indicated above under **USE RESTRICTIONS** and only when use of egg baits is impractical or has proven to be ineffective.

Wear rubber gloves when handling baits. Place no more than 75 baits at each baited site. Place 5 to 10 baits in clusters over an area not to exceed 93 m² (1000 ft²) where control of ravens, magpies and/or crows is desired. Draw stations (fresh, unpoisoned animal carcasses) may be needed to attract ravens, magpies and/or crows to desired bait exposure locations. When draw stations are used, place meat baits on or near the animal carcasses.

WHILE MEAT BAITS ARE EXPOSED, BAITED AREAS MUST BE OBSERVED CONTINUOUSLY FROM A DISTANCE OF NO MORE THAN 914 m (1000 yd) TO DETECT APPROACHES BY THREATENED OR ENDANGERED SPECIES AND OTHER DESIRED OR PROTECTED ANIMALS LIKELY TO EAT BAITS. Flush such nontarget animals away from treated baits by use of non-injurious methods. Because of wariness of target bird species, it may be necessary to observe baits from behind natural or specially constructed blinds.

Unconsumed bait cubes must be retrieved at the conclusion of each observation period and no later than one hour after sunset daily. Dispose of retrieved baits in accordance with applicable State and Federal laws.

DIRECTIONS FOR USE (Cont.)

EGG BAITS:

FORMULATION DIRECTIONS:

Dissolve 2 grams (0.035 oz) of Compound DRC-1339 Concentrate in 100 ml (0.2 pt) of warm potable water at 43.3 °C (110 °F) to make a 2% solution; or dissolve 4 grams (0.07 oz) of Compound DRC-1339 Concentrate in 100 ml (0.2 pt) of warm potable water to make a "4%" solution; or in other proportions appropriate to produce a "2%" or "4%" solution.

Using an 18-ga hypodermic needle or similar-sized implement, make an entry hole in the end of each hard-boiled chicken, turkey, or duck egg to be used. Using a syringe and a 20-ga. hypodermic needle, slowly inject 1 ml of the "2%" solution (or 0.5 ml of the "4%" solution) into the yolk of each egg.

MAKE ONLY ENOUGH SOLUTION TO TREAT THE DESIRED NUMBER OF EGGS. MARK TREATED EGGS WITH SMALL SKULL AND CROSSBONES OR THE WORD "POISON".

APPLICATION: Control of crows, magpies and ravens with egg baits prepared from this product is limited to the sites indicated above under **USE RESTRICTIONS**. Place all egg baits used at one baited site within 25 ft (7.6 m) of the center of the site or within 25 ft of any silage/fodder bags that are to be protected. Place 1-4 eggs in each bait set, and do not use more than a total of 18 eggs per baited site. If a draw station (fresh, unpoisoned animal carcass) is used, all bait sets must be located at least 3 m (10 ft) from the carcass. Any silage that is spilled from the silage bag is not to be used for livestock feed. Whenever practicable, bait sets should be made in "dummy" nests created by making small depressions in the ground. "Dummy" nests may be partially hidden by vegetation or other debris. In other situations, eggs may be placed on 1-ft² to 2-ft² elevated wooden platforms and restrained by wire to prevent eggs from falling off platforms or being removed by birds. Use 2-3 eggs per platform.

DO NOT USE MORE EGGS THAN ARE NEEDED TO EFFECT CONTROL as ravens and crows tend to cache surplus food.

Observe baited areas (from blinds) early in baiting (or prebaiting, if done) to determine whether nontarget species are approaching egg baits. Haze away Threatened or Endangered species that might be at risk from baits. Remove baits if such Threatened or Endangered Species continue to approach them.

Egg sets should be checked at 48-hour intervals. Rebait with additional treated eggs when more than 50% of the treated eggs offered have been removed by ravens, magpies or crows. When replacing baits, take care not to frighten target birds actively removing or feeding upon eggs. Retrieve unconsumed treated eggs within seven days of exposure. Old treated eggs and treated eggs not eaten by the time control operations cease must be disposed of in accordance with applicable State and Federal laws.