



Altosid SR-10

Prevents emergence of adult flood-water mosquitoes

Prevents emergence of adult sciarid flies in mushroom culture

ACTIVE INGREDIENTS: methoprene (isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-docecadienoate.....10.0%

INERT INGREDIENTS:.....90.0%

Total.....100.0%

Formulation contains 0.86 lb/gal (103 gm/l) active ingredient

U.S. Patents 3,904,662 and 3,912,815

E.P.A. Reg. No. 20954-1

E.P.A. Est. No. 20954-CA-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

Because of the unique mode of action of ALTOSID SR-10 successful use requires familiarity with special techniques recommended for application timing and treatment evaluation. See Guide to Product Application or consult local mosquito abatement agency.

NET CONTENTS 1 GALLON
(3.78 LITERS)

Zoecon Corporation
Agricultural Chemicals Division

20954-1

DIRECTIONS FOR USE

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

CAUTION

KEEP OUT OF REACH OF CHILDREN

STORAGE AND DISPOSAL

STORAGE: Store in a cool place. Store product away from other pesticides food and feed. In case of leakage or spill, soak up with sand or another absorbent material.

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. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food or feed by storage or disposal.

INSTRUCTIONS FOR USE:

1. SHAKE WELL BEFORE USING. ALTOSID SR-10 may separate on standing and must be thoroughly agitated prior to dilution.
2. Do not mix with oil; use clean equipment.
3. Partially fill spray tank with water; then add the recommended amount of ALTOSID SR-10, agitate and complete filling. Mild agitation during application is desirable.
4. Spray solution should be used within 48n hours; always agitate before spraying.

RECOMMENDED APPLICATIONS

Introduction: ALTOSID SR-10 must be applied to 2nd, 3rd or 4th larval instars of floodwater mosquitoes to prevent adult emergence. Treated larvae continue normal development to the pupal stage where they die. This insect growth regulator has no effect when applied to pupae or adult mosquitoes. ALTOSID SR-10 has sufficient field life to be effective at recommended rates when applied to larval stages under varying field conditions. For further information, see Guide to Product Application.

METHODS OF APPLICATION

Aerial: Use the recommended amount of ALTOSID SR-10 listed below in sufficient water to give complete coverage. One-half to five gallons of spray solution per acre is usually satisfactory. Do not apply when weather conditions favor drift from areas treated.

Ground: Determine the average spray volume used per acre by individual operators and/or specific equipment. Mix ALTOSID SR-10 in the appropriate volume of water to give the rate per acre recommended below.

APPLICATION RATE

Apply 3 to 4 fluid oz. of ALTOSID SR-10 per acre (219 to 293 ml/hectare) in water as directed.

APPLICATION SITES

Pastures: ALTOSID SR-10 may be applied after each flooding without removal of grazing livestock.

Rice: ALTOSID SR-10 must be applied to 2nd, 3rd and/or 4th instar larvae of mosquitoes found in rice, usually within 4 days after flooding. Use only where multiple flooding rice culture is practiced. ALTOSID SR-10 treatment may be repeated with each flooding. Do not apply after rice reaches the heading stage of growth.

Intermittently Flooded Noncrop Areas: ALTOSID SR-10 may be applied as directed above when flooding may result in floodwater mosquito hatch.

Typical sites include freshwater swamps and marshes, woodland pools and meadows, dredging spoil sites, drainage areas, waste treatment and settling ponds, ditches, and other natural and manmade depressions. Around estuarine areas, treat high salt marsh or tidal marsh above high tide water level.

In dense vegetation or canopy areas, apply an ALTOSID SR-10 sand mixture using standard granular dispersal equipment. For detailed preparation instructions, refer to Guide to Product Application.

FOR CONTROL OF ADULT SCIARID FLIES IN MUSHROOM CULTURE

Method, Rate and Timing of Application

For best results, ALTOSID SR-10 should be incorporated in the mushroom growing medium.

Follow either METHOD A, METHOD B, or METHOD C Application Instructions.

A. INCORPORATE IN CASING AT TIME OF CASING.

Apply ALTOSID SR-10 at rate of 32 fluid oz (1 liter) per 1000 sq. ft. Make application evenly and mechanically mix into casing material prior to the casing operation, or drench evenly onto the surface of the casing immediately after placement.

B. INCORPORATE IN COMPOST AT TIME OF SPAWNING AND IN CASING AT TIME OF PLACEMENT OF CASING LAYER

In Compost: Apply ALTOSID SR-10 at the rate of 32 fluid oz (1 liter) per 1000 sq. ft. in adequate water for even distribution. Spray or sprinkle on the surface of compost at the time of spawning and thoroughly incorporate using a spawning machine or other suitable mechanical means.

In Casing: Apply ALTOSID SR-10 at the rate of 13 fluid oz (0.4 liters) per 1000 sq. ft. Make application evenly and mechanically mix into casing material prior to the casing operation, or drench evenly onto the surface of the casing immediately after setting it in place.

C. COMPOST SURFACE DRENCH BEFORE CASING AND IN CASING AT TIME OF PLACEMENT OF CASING LAYER.

For those crops that have a 16-day or longer spawn run, a split application can be used.

First Application, on compost: Apply ALTOSID SR-10 12-13 days after spawning. Drench ALTOSID SR-10 evenly on the surface at the rate of 16 fl. oz. (0.5 liters) per 1000 sq. ft. in adequate water for even distribution.

Second Application, in casing: Apply ALTOSID SR-10 at the rate of 16 fl. oz. (0.5 liters) per 1000 sq. ft. Make application evenly and mechanically mix into casing material prior to the casing operation, or drench evenly onto the surface of the casing immediately after setting it in place.

MIXING AND HANDLING INSTRUCTIONS

1. Add the measured amount of ALTOSID SR-10 to a spray tank partially filled with water, mix and complete filling with recommended quantity of water.
2. Use diluted spray solution within 48 hours of mixing. Agitate before each use.

EFFECT ON MUSHROOMS

In most cases, treatment with ALTOSID SR-10 has a beneficial effect on mushroom yield through control of damaging sciarid fly larvae. Due to the widely differing practices followed in mushroom culture, the user should conduct test treatments on small plots to determine that reduced crop yields will not occur under his own cultural conditions.

WARRANTY

Zoecon warrants that this product conforms to the chemical description on the label and is useful for the control of floodwater mosquitoes described herein. Neither Zoecon nor the seller makes any other warranty, express or implied.

ALTOSID is a registered trademark of Zoecon Corporation.

(1047E)

MAY 1 1984

Zoexon Corporation
975 California Avenue
Palo Alto, CA 94304

Attention: Ms. Ada Breauz

Gentlemen:

Subject: Altosid SR-10
EPA Registration No. 20954-1
Your Letter of February 16, 1984

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A) is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Submit five (5) copies of your final printed labeling 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.

Sincerely yours,

Timothy A. Gardner
Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (75-767)

Enclosure

RD/IRB:DCR-40977;Gardner/Schroeder;KIH;Raven:557-2666;RD-49:5/14/84;Del.5/28/84

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