



Altosid[®] IGR 1% LIQUID

AN INSECT GROWTH REGULATOR INTENDED FOR CUSTOM BLENDING INTO LIQUID CATTLE FEED SUPPLEMENTS

TO PREVENT THE EMERGENCE OF HORN FLIES FROM THE MANURE OF TREATED CATTLE INCLUDING BREEDING AND LACTATING BEEF AND/OR DAIRY CATTLE AND CALVES

PATENTED FORMULA

ACTIVE INGREDIENT:

(S)-Methoprene (CAS #65733-16-6)	1%
OTHER INGREDIENTS:	99%
Total	100%

EPA Reg. No. 2724-505
EPA Est. No. 2724-TX-1

KEEP OUT OF REACH OF CHILDREN
SEE ADDITIONAL PRECAUTIONARY STATEMENTS

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment or washwaters.

GENERAL INFORMATION

ALOTOSID[®] IGR 1% LIQUID is a feed additive intended for custom blending only into cattle liquid feed supplements composed of AAFCO (Association of American Feed Control Officials)-approved feed ingredients to control horn flies which develop in cattle manure. Include the **ALOTOSID[®] IGR 1% LIQUID** label with shipments of custom liquid cattle feed supplements.

DIRECTIONS FOR USE

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

BLENDING AND FEEDING
ALOTOSID IGR 1% LIQUID

ALOTOSID[®] IGR 1% LIQUID prevents emergence of adult horn flies from the manure of treated cattle. Begin use 30 days prior to horn fly season, and continue feeding until cold weather restricts horn fly activity.

ALOTOSID[®] IGR 1% LIQUID is designed to be formulated into liquid feed supplements for cattle that can be fed

free-choice, mixed into a complete ration, or used as a top dressing on total mixed rations (TMR). Liquid feeds containing **ALOTOSID[®] IGR 1% LIQUID** can be fed to beef and dairy cattle including: breeding cattle, lactating cows, and calves.

Use the following formula to determine the amount of **ALOTOSID[®] IGR 1% LIQUID** to be mixed into the liquid feed that will achieve horn fly control. These directions provide a target rate of 1.13 mg/100 lb of animal body weight per day or 34 mg/100 lb of animal body weight per month of active ingredient.

$$\frac{\text{Cwt}^*}{2 \text{ X lb of daily consumption}} = \text{lbs. of ALOTOSID[®] IGR 1\% LIQUID per ton of liquid feed supplement}$$

*Cwt = 100 lb of body weight; i.e., 1,000 lb is 10 cwt

The following table is provided as a guide in determining the amount of **ALOTOSID[®] IGR 1% LIQUID** to achieve horn fly control assuming a 1,000 lb animal as the head weight:

Daily Consumption Rate	Inclusion of ALOTOSID[®] IGR 1% LIQUID Into Liquid Feed	
	Lb/Ton	Fluid Ounces/Ton
5	1.0	15.4
2 1/2	2.0	30.7
2	2.5	38.4
1	5.0	76.7
1/2	10.0	153.5
1/4	20.0	307.0

Add ALOTOSID[®] IGR 1% LIQUID at the end of mixing the liquid feed formulation and mix until uniform.

WHEN AND HOW TO USE ALTOSID® IGR 1% LIQUID

Use **ALTOSID® IGR 1% LIQUID** to break the life cycle of the horn fly. When fed to cattle, **ALTOSID® IGR 1% LIQUID** passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as adult horn flies. **ALTOSID® IGR 1% LIQUID** does not affect existing adult horn flies.

Start feeding **ALTOSID® IGR 1% LIQUID** one month before horn flies normally appear. Continue feeding throughout the summer and into the fall, until cold weather restricts horn fly activity.

If significant numbers of adult horn flies are already present when **ALTOSID® IGR 1% LIQUID** is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing horn fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons. Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without **ALTOSID® IGR 1% LIQUID**, eggs hatch and develop in the manure, resulting in a new generation of adult horn flies.

ALTOSID® IGR 1% LIQUID can be fed up to slaughter and to lactating dairy cows without withholding milk.

STORAGE AND DISPOSAL

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

STORAGE: Store sealed in original container in a cool, dry place protected from direct sunlight.

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: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND CONDITIONS OF SALE

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. To the extent permitted by law, buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

For information, call 1-800-347-8272.

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