



# Altosid<sup>®</sup> 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**

**PATENT PENDING**

## SPECIMEN LABEL

**ACTIVE INGREDIENTS:**

(S)-Methoprene (CAS #65733-16-6) . . . . . 1%

**OTHER INGREDIENTS:** . . . . . 99%

Total . . . . . 100%

EPA Reg No. 2724-505

**KEEP OUT OF REACH OF CHILDREN**  
SEE ADDITIONAL PRECAUTIONARY STATEMENTS

**GENERAL INFORMATION**

**ALTOSID<sup>®</sup> 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 **ALTOSID 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.

**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.

**BLENDING AND FEEDING**

**ALTOSID IGR 1% LIQUID**

**ALTOSID 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.

**ALTOSID 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 **ALTOSID 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 **ALTOSID 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 lbs of animal body weight per day or 34 mg/100 lbs. of animal body weight per month of active ingredient.

$$\frac{\text{Cwt}^*}{2 \times \text{Lbs. of daily consumption}} = \text{Lbs. of ALTOSID IGR 1\% LIQUID per ton of liquid feed supplement}$$

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

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

Daily Consumption Rate	Inclusion of ALTOSID IGR 1% LIQUID Into Liquid Feed	
	Lbs./Ton	Fluid Ounces/Ton
Lbs./1,000 lb Animal/Day		
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 ALTOSID IGR 1% LIQUID** at the end of mixing the liquid feed formulation and mix for an additional 10 minutes.

## 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 in a cool, dry place.

**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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning 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 or visit our Web site:  
[www.altosidigr.com](http://www.altosidigr.com)



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