

# 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

**ACTIVE INGREDIENT:**

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

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

Total ..... 100%

PATENTED FORMULA

**KEEP OUT OF REACH OF CHILDREN**

**NET CONTENTS: 40 LBS (18.14 KG)**

**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:** 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<sup>®</sup> 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 ALTOSID<sup>®</sup> IGR 1% LIQUID:** ALTOSID<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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.

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

\*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<sup>®</sup> IGR 1% LIQUID to achieve horn fly control assuming a 1,000 lb. animal as the head weight:

Daily Consumption Rate	Inclusion of ALTOSID <sup>®</sup> IGR 1% LIQUID Into Liquid Feed	
	Lbs./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 ALTOSID<sup>®</sup> IGR 1% LIQUID at the end of mixing the liquid feed formulation and mix until uniform.

**WHEN AND HOW TO USE ALTOSID<sup>®</sup> IGR 1% LIQUID:** Use ALTOSID<sup>®</sup> IGR 1% LIQUID to break the life cycle of the horn fly. When fed to cattle, ALTOSID<sup>®</sup> 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<sup>®</sup> IGR 1% LIQUID does not affect existing adult horn flies.

Start feeding ALTOSID<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> IGR 1% LIQUID, eggs hatch and develop in the manure, resulting in a new generation of adult horn flies.

ALTOSID<sup>®</sup> IGR 1% LIQUID can be fed up to slaughtering 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 1/4 full with water and recap. Shake for 10 seconds. Pour rinse into equipment or a mix tank or store rinse 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.

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

[www.AltosidIGR.com](http://www.AltosidIGR.com)

**Wellmark International**

1501 East Woodfield Road 200W  
Schaumburg, Illinois 60173

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

U.S. Patent No. 7,238,365

ALTOSID and the Altosid Feed-Thru logo are registered trademarks of Wellmark International.

Central Garden & Pet and its logo are trademarks of Central Garden & Pet Company.

©2007-2010 Wellmark International. Made in the USA

