



STATE OF HAWAII  
Department of Agriculture

**ACCEPTED**

LICENSE NO.

**9426.406**



# ALTOSID®

## CATTLE CUSTOM BLENDING PREMIX

TO PREVENT THE BREEDING OF HORN FLIES IN  
THE MANURE OF TREATED CATTLE

### ACTIVE INGREDIENT:

S-Methoprene (CAS #65733-16-6) . . . . . 10.5%

OTHER INGREDIENTS: . . . . . 89.5%

Total . . . . . 100.0%

**STORE IN A COOL DRY PLACE**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

SEE ADDITIONAL FIRST AID  
AND PRECAUTIONARY STATEMENTS

### General Information

**ALTOSID® Cattle Custom Blending Premix** is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. **ALTOSID® Cattle Custom Blending Premix** is intended for use only in cattle.

**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® Cattle Custom Blending Premix

**ALTOSID® Cattle Custom Blending Premix** interrupts the development of the horn fly in the manure of treated cattle. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

**ALTOSID® Cattle Custom Blending Premix** rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing **ALTOSID® Cattle Custom Blending Premix** may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in complete feeds, concentrates, hand feeds, or loose or block mineral or protein supplements.

**ALTOSID® Cattle Custom Blending Premix** is fed to cattle at the level of **340 mg of ALTOSID® Cattle Custom Blending Premix/100 lb body weight/month** or 22.7 – 45.4 mg of (S)-Methoprene/100 lb. of body weight per month to achieve horn fly control. This rate is equal to **11.3 mg ALTOSID® Cattle Custom Blending Premix/100 lb body weight/day**. The calculations in the chart at right assume a 1000 pound animal as the head weight; see chart for mixing directions.

### Important Note to Feed Mill Operators

- **ALTOSID® Cattle Custom Blending Premix** is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during **ALTOSID® Cattle Custom Blending Premix** addition).
- Whenever possible, add the **ALTOSID® Cattle Custom Blending Premix** after the addition of the liquid components and blend to homogeneity.

### When and How to Use ALTOSID® Cattle Custom Blending Premix

Use **ALTOSID® Cattle Custom Blending Premix** to break the life cycle of the horn fly. When fed to cattle, **ALTOSID® Cattle Custom Blending Premix** 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 new adult flies. **ALTOSID® Cattle Custom Blending Premix** does not affect existing adult flies.

Start feeding **ALTOSID® Cattle Custom Blending Premix** early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

If significant numbers of adult horn flies are already present when **ALTOSID® Cattle Custom Blending Premix** 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 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® Cattle Custom Blending Premix**, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

**ALTOSID® Cattle Custom Blending Premix** may 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 **ALTOSID® Cattle Custom Blending Premix** 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 Handling:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into mixer. Then offer for recycling if available or dispose of empty bag and box in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Wellmark International at 1-800-347-8272 day or night.



FEED PRODUCT	DAILY FEEDING RATE	RATIO OF SUPPLEMENT TO FEEDSTUFFS	ALTOSID® Cattle Custom Blending Premix IN SUPPLEMENT mg/lb (%)	ALTOSID® Cattle Custom Blending Premix IN FEED mg/lb (%)	GRAMS ALTOSID® Cattle Custom Blending Premix/ TON OF FEED PRODUCT g/ton
<b>Complete Feed</b>	2.6 lb/cwt	-	-	4.3 (0.001)	8.7
Supplement or Premix for Preparing	-	1:9	44 (0.01)	4.3 (0.001)	87
Complete Feeds	-	1:19	87 (0.02)	4.3 (0.001)	174
	-	1:39	174 (0.04)	4.3 (0.001)	348
	-	1:79	348 (0.08)	4.3 (0.001)	696
<b>Complete Feed</b>	3.5 lb/cwt*	-	-	3.2 (0.0007)	6.5
Supplement or Premix for Preparing	-	1:9	32 (0.007)	3.2 (0.0007)	65
Complete Feeds	-	1:19	65 (0.014)	3.2 (0.0007)	130
	-	1:39	129 (0.028)	3.2 (0.0007)	260
	-	1:79	258 (0.056)	3.2 (0.0007)	520
<b>Concentrate Fed with Roughage</b>	1.0 lb/cwt	-	-	11.3 (0.0025)	22.6
Supplement or Premix for Preparing	-	1:9	113 (0.025)	11.3 (0.0025)	226
Complete Feeds	-	1:19	226 (0.05)	11.3 (0.0025)	452
	-	1:39	452 (0.10)	11.3 (0.0025)	904
	-	1:79	904 (0.20)	11.3 (0.0025)	1808
<b>Supplement for Hand Feeding</b>	2.0 lb/head	-	57 (0.013)	-	113
	1.5 lb/head	-	75 (0.017)	-	151
	1.0 lb/head	-	113 (0.025)	-	226
	0.5 lb/head	-	226 (0.050)	-	452
<b>Mineral Mix Block</b>	8.0 oz/head	-	226 (0.05)	-	452
	4.0 oz/head	-	452 (0.10)	-	904
<b>Molasses Mineral Tub</b>	3.0 oz/head	-	603 (0.13)	-	1206
<b>Molasses Protein Tub</b>	2.0 oz/head	-	904 (0.20)	-	1808
	1.0 oz/250 lb	-	452 (0.10)	-	904
	1.0 oz/500 lb	-	904 (0.20)	-	1808
	1.0 oz/750 lb	-	1356 (0.30)	-	2712

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

### PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION

Harmful if absorbed through skin. Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

**FIRST AID:** Call a poison control center or doctor immediately for treatment advice.

**If in eyes** • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**If on skin or clothing** • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes.

**If inhaled** • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-347-8272 for emergency medical treatment information.

### 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 cleaning equipment or disposing of equipment washwaters.

### Wellmark International

1501 East Woodfield Road 200W  
Schaumburg, Illinois 60173

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

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**NET WT: 20 LBS (9.1 KG)**



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

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