

FM 91

2724-473

9-22-97

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[ ] indicates optional statements

### ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

**Active Ingredient:**

Methoprene [Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate] .....	10.5%
Inert Ingredients:.....	89.5%
Total	100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements

EPA Reg. No.: 2724-473

EPA Est. No.:

Net Wt.:

**ACCEPTED**  
 SEP 22 1997  
 Under the Federal Insecticide, Fungicide, and  
 Rodenticide Act, as amended, for the  
 pesticide registered under  
 EPA Reg. No. 2724-473

2015

**General Information**

ALTOSID 10% Cattle 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 10% Cattle 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 10% Cattle Premix**

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from 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 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle 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 mineral supplements.*

ALTOSID 10% Cattle Premix is fed to cattle at the level of **340 mg/100 lb body weight/month** to achieve horn fly control. This rate is equal to **11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day**. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:

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FEED PRODUCT	DAILY FEEDING RATE	RATIO OF SUPPLEMENT TO FEEDSTUFFS	ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%)	ALTOSID 10% Cattle Premix IN FEED mg/lb (%)	GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton
Complete Feed	2.6 lb/cwt	-	-	4.3 (0.001)	8.7
Supplement or Premix for Preparing Complete Feeds	-	1:9	44 (0.01)	4.3 (0.001)	87
	-	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
Complete Feed	3.5 lb/cwt*	-	-	3.2 (0.0007)	6.5
Supplement or Premix for Preparing Complete Feeds	-	1:9	32 (0.007)	3.2 (0.0007)	65
	-	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
Concentrate Fed with Roughage	1.0 lb/cwt	-	-	11.3 (0.0025)	22.6
Supplement or Premix for Preparing Concentrate Feeds	-	1:9	113 (0.025)	11.3 (0.0025)	226
	-	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
Supplement for Hand Feeding	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
Mineral Mix	4.0 oz/head	-	452 (0.10)	-	904
	3.0 oz/head	-	603 (0.13)	-	1206
	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.

**Important Note to Feed Mill Operators**

- ALTOSID 10% Cattle 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 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

**When and How to Use ALTOSID 10% Cattle Premix**

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle 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 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

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If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle 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 10% Cattle 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 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

### **STORAGE AND DISPOSAL**

**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Wellmark International at \_\_\_\_\_ day or night.

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**PRECAUTIONARY STATEMENTS**  
**(Hazards to Humans and Domestic Animals)**  
**CAUTION**

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

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® 10% Cattle Premix is a registered trademark of Wellmark International.

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Made in USA