# Ractopamine, Monensin, and Tylosin Plus
# Liquid Type B Medicated Cattle Feed
## (Carcass leanness)

## For Use in Cattle Feeds Only

**Caution:** Federal law restricts medicated feed containing this veterinary feed directive (VFD) drug to use by or on the order of a licensed veterinarian.

Do Not Feed Undiluted

### INDICATIONS

For increased rate of weight gain, improved feed efficiency, increased carcass leanness, prevention and control of coccidiosis due *to Eimeria bovis* and *E. zuernii* and reduction of incidence of liver abscesses caused by *Fusobacterium necrophorum* and *Arcanobacterium (Actinomyces) pyogenes* in cattle fed in confinement for slaughter during the last 28 to 42 days on feed.

### ACTIVE DRUG INGREDIENTS

| | |
|---|---|
| Ractopamine HCl[1] | 78 to 2,300 g/ton* |
| Monensin, USP[2] | 41 to 1,600 g/ton* |
| Tylosin phosphate[3] | 64 to 400 g/ton* |

### GUARANTEED ANALYSIS

| | |
|---|---|
| Crude Protein, not less than | _____% |
| Non-Protein Nitrogen (NPN)[4], not more than | _____% |
| Crude Fat, not less than | _____% |
| Crude Fiber, not more than | _____% |
| Calcium, not less than | _____% |
| Calcium, not more than | _____% |
| Phosphorus, not less than | _____% |
| Salt[5], not less than | _____% |
| Salt[5], not more than | _____% |
| Sodium[6], not less than | _____% |
| Sodium[6], not more than | _____% |
| Potassium, not less than | _____% |
| Vitamin A[5,7], not less than | _____I.U./lb |
| Dry Matter, not less than | 60% |
| Dry Matter, not more than | 75% |
| pH | 4.5 to 6.0 |

[4]When added.

[5]If added.

[6]Shall be guaranteed only when total sodium exceeds that furnished by the maximum salt guarantee.

[7]Other than precursors of Vitamin A.

## INGREDIENTS

Each ingredient must be named in accordance with the names and definitions adopted by the Association of American Feed Control Officials.

## AGITATION / RECIRCULATION

For liquid feeds stored in recirculating tank systems: Recirculate immediately prior to use for not less than 10 minutes, moving no less than 1% of the tank contents per minute from the bottom to the top of the tank.
Recirculate daily as described even when not used.

For liquid feeds stored in mechanical, air, or other agitation-type tank systems: Agitate immediately prior to use for not less than 10 minutes, creating turbulence at the bottom of the tank that is visible at the top. Agitate daily as described even when not used.

## MIXING DIRECTIONS

Mix this Type B medicated feed with unmedicated feed to produce a Type C feed with 9.8 to 24.6 grams per ton of ractopamine, 10 to 40 grams per ton of monensin and 8 to 10 grams per ton of tylosin. Some examples are provided in the table below.

| Ractopamine concentration in Type B (g/ton) | Monensin concentration in Type B (g/ton) | Tylosin concentration in Type B (g/ton) | Amount of Type B to add per ton of Type C (lbs) | Resulting concentrations in Type C (g/ton) |
|---|---|---|---|---|
| 400 | 1000 | 400 | 50 | 10 (ractopamine)<br>25 (monensin)<br>10 (tylosin) |
| 600 | 1200 | 400 | 50 | 15 (ractopamine)<br>30 (monensin)<br>10 (tylosin) |
| 800 | 1400 | 400 | 50 | 20 (ractopamine)<br>35 (monensin)<br>10 (tylosin) |
| 120 | 240 | 80 | 250 | 15 (ractopamine)<br>30 (monensin)<br>10 (tylosin) |
| 160 | 280 | 80 | 250 | 20 (ractopamine)<br>35 (monensin)<br>10 (tylosin) |

Example calculations to obtain a Type C with 10 g/ton ractopamine, 33g/ton monensin and 8 g/ton tylosin with a 100 pound inclusion rate:
Ractopamine - (10g/ton) x (2000lb/100lb) = 200g/ton ractopamine in the Type B
Monensin - (33g/ton) x (2000lb/100lb) = 660g/ton monensin in the Type B
Tylosin - (8g/ton) x (2000lb/100lb) = 160g/ton tylosin in the Type B

## CAUTIONS

Inadequate mixing (recirculation or agitation) of monensin liquid Type B medicated feed has resulted in increased monensin concentration, which has been fatal to cattle. Do not allow horses or other equines access to feeds containing monensin. Ingestion of monensin by horses has been fatal. Monensin medicated cattle feed is safe for use in cattle only. Consumption by unapproved species may result in toxic reactions. Feeding undiluted or mixing errors resulting in high concentrations of monensin has been fatal to cattle. Must be thoroughly mixed in feeds before use. Do not exceed the levels of monensin recommended in the feeding directions, as reduced average daily gains may result. If feed refusals containing monensin are fed to other groups of cattle, the concentration of monensin in the refusals and amount of refusals fed should be taken into consideration to prevent monensin overdosing.

Do not use in any liquid feed containing sodium metabisulfite or in any finished feed (supplement, concentrate or complete feed) containing in excess of 2% bentonite.

Ractopamine HCl is not for animals intended for breeding.

**WARNINGS**

A withdrawal time has not been established for pre-ruminating calves. Do not use in calves to be processed for veal.

The active ingredient in Actogain, ractopamine hydrochloride, is a beta-adrenergic agonist. Individuals with cardiovascular disease should exercise special caution to avoid exposure. Not for use in humans. Keep out of the reach of children. The Actogain 45 formulation (Type A Medicated Article) poses a low dust potential under usual conditions of handling and mixing. When mixing and handling Actogain, use protective clothing, impervious gloves, protective eye wear, and a NIOSH-approved dust mask. Operators should wash thoroughly with soap and water after handling. If accidental eye contact occurs, immediately rinse eyes thoroughly with water. If irritation persists, seek medical attention. The material safety data sheet contains more detailed occupational safety information. To report adverse effects, access medical information, or obtain additional product information, call 1-888-963-8471.

Approved by FDA under ANADA # 200-645

**MANUFACTURED BY**

BLUE BIRD FEED MILL
Any town, USA 12345

Net Weight lb (kg) on bag or bulk

**Expiration Date:** 31 days after the date of manufacture

Lot Number: _____

*The medicated feed label must state a single drug concentration.

[1]Sourced from Actogain®, ANADA # 200-548
[2]Sourced from Monovet®, ANADA # 200-639
[3]Sourced from Tylovet®, ANADA # 200-484

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