Monensin and Tylosin Medicated Cattle Feed – Feed Efficiency
Liquid Type B Medicated Feed

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

For Use in Cattle Feeds Only

Do Not Feed Undiluted

INDICATIONS

For improved feed efficiency and reduction of incidence of liver abscesses caused by *Fusobacterium necrophorum* and *Arcanobacterium (Actinomyces) pyogenes* in cattle fed in confinement for slaughter.

ACTIVE DRUG INGREDIENTS

Monensin, USP[1]	41 to 1,600 g/ton*
Tylosin phosphate[2]	64 to 400 g/ton*

GUARANTEED ANALYSIS

Crude Protein, not less than	_____%
Non-Protein Nitrogen (NPN)[3], 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[4], not less than	_____%
Salt[4], not more than	_____%
Sodium[5], not less than	_____%
Sodium[5], not more than	_____%
Potassium, not less than	_____%
Vitamin A[4,6], not less than	_____I.U./lb
Dry Matter, not less than	60%
Dry Matter, not more than	75%
pH	4.5 to 6.0

[3]When added.

[4]If added.

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

[6]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 50 to 250 pounds of Type B feed with 1950 to 1750 pounds of unmedicated feed, respectively to yield a Type C feed with 5 to 40 grams per ton of monensin and 8 to 10 grams per ton of tylosin. No additional improvement in feed efficiency has been shown from feeding monensin at levels greater than 30 g/ton (360 mg monensin per head per day). Some examples are listed in the table below.

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	Resulting concentrations in Type C (g/ton)
1000	400	50	25 (monensin) 10 (tylosin)
1200	400	50	30 (monensin) 10 (tylosin)
1400	400	50	35 (monensin) 10 (tylosin)
200	80	250	25 (monensin) 10 (tylosin)
240	80	250	30 (monensin) 10 (tylosin)
280	80	250	35 (monensin) 10 (tylosin)

Example calculations to obtain a Type C with 33g/ton monensin and 8 g/ton tylosin with a 100 pound inclusion rate
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 feed undiluted. 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.

WARNINGS

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

Approved by FDA under ANADA # 200-643

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 Monovet®, ANADA # 200-639
[2]Sourced from Tylan™, NADA # 012-491

Monovet is a registered trademark of Huvepharma EOOD.
Tylan is a trademark owned or licensed by Elanco US Inc.