

N-095735-4-~~309~~0310
Monensin Med. Dairy Cattle Feed.
(Milk Prod. Effic.)
Liquid Type B Med. Feed
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Monensin Medicated Dairy Cattle Feed

Liquid Type B Medicated Feed

For Use in Dairy Cattle Feeds Only

IMPORTANT: MUST BE THOROUGHLY MIXED INTO FEED BEFORE USE

For Increased Milk Production Efficiency (production of marketable solids-corrected milk per unit of feed intake).

Active Drug Ingredient

Monensin, USP.....40 to 1440 g/ton*

Guaranteed Analysis

Crude Protein, not less than.....	_____	%
Non-Protein Nitrogen (NPN) ¹ , not more than.....	_____	%
Crude Fat, not less than.....	_____	%
Crude Fiber, not more than.....	_____	%
Acid Detergent Fiber, not more than.....	_____	%
Calcium, not less than.....	_____	%
Calcium, not more than.....	_____	%
Phosphorus, not less than.....	_____	%
Salt ² , not less than.....	_____	%
Salt ² , not more than.....	_____	%
Sodium ³ , not less than.....	_____	%
Sodium ³ , not more than.....	_____	%
Potassium, not less than.....	_____	%
Selenium, not less than.....	_____	ppm
Vitamin A ^{2,4} , not less than.....	_____	I.U./lb
pH.....	4.3 to 7.1	

¹When added.

²If added

³Shall be guaranteed only when total sodium exceeds that furnished by the maximum salt guarantee.

⁴Other 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.

*Final printed label on formulated Type B medicated feed must bear a single drug concentration.

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Mixing Directions for Total Mixed Rations

Thoroughly mix monensin Type B Medicated Feed into one ton of total mixed ration (complete feed) to obtain the correct concentration in the Type C Medicated Feed (11 to 22 g/ton monensin in total mixed ration, 100% dry matter basis; Table 1). Use only the portion of the table below that is applicable to the concentration of monensin in the Type C Medicated Feed (total mixed ration) you manufacture.

Table 1: Mixing Directions for Dairy Cow Total Mixed Rations (TMR)^a

Monensin concentration in Type B Feed, g/ton; as-fed basis	Dry Matter of TMR, %	Desired monensin concentration		
		g/ton in TMR ^b		
		11	15	22
		lb of Type B (as-fed) needed per ton of TMR		
500	50	22.00	30.00	44.00
	60	26.40	36.00	52.80
1440	50	7.64	10.42	15.28
	60	9.17	12.50	18.33

^aAmount of Type B (as-fed basis) needed to produce the TMR with desired level of monensin as follows

((Desired level of monensin in TMR, g/ton) X (% dry matter of TMR)/g/ton of monensin in Type B) X 2000

Example Diet: Desire 11 g/ton monensin in TMR (dry matter basis), TMR contains 50% dry matter, & Type B contains 500 g/ton of monensin

Example Solution: ((11 g/ton) X (0.50 dry matter of TMR)/500 g/ton monensin in Type B) X 2000 = 22 lb of Type B needed per ton of TMR

^b100% dry matter basis

Mixing Directions for Component Feeding Systems (Including Top Dress)

Thoroughly mix monensin Type B Medicated Feed into one ton of component portion of the ration to obtain the correct concentration in the Type C Medicated Feed (11 to 400 g/ton monensin; Table 2). Use only the portion of the table below that is applicable to the concentration of monensin in the Type C Medicated Feed (component feed) you manufacture.

Table 2: Mixing Directions for Dairy Cows in Component Feeding Systems (Including top Dress)^a

Monensin concentration in Type B Feed, g/ton; as-fed basis	Desired monensin concentration		
	g/ton in Component Feed		
	50	200	400
	lb of Type B (as-fed) needed per ton of component feed		
500	200.00	800.00	1600.00
1000	100.00	400.00	800.00
1440	69.44	277.78	555.56

^aAmount of Type B (as-fed basis) needed to produce the component portion of the ration with desired level of monensin is as follows

((Desired level of monensin in component, g/ton / g/ton of monensin in Type B) X 2000

Example Top Dress: Desire 50 g/ton monensin in component, & Type B contains 500 g/ton of monensin

Example Solution: (50 g/ton / 500 g/ton monensin in Type B) X 2000 = 200 lb of Type B needed per ton of Top Dress

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For liquid feeds stored in recirculating tank systems: Recirculate immediately prior to use for not less than 10 minutes, moving not less than 1 percent of the tank contents per minute from the bottom of the tank to the top. 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 a turbulence at the bottom of the tank that is visible at the top. Agitate daily as described even when not used.

Caution

Inadequate mixing (circulation or agitation) of monensin liquid Type B or Type C Medicated Feeds has resulted in increased monensin concentration, which has been fatal to cattle and could be fatal to goats. Do not allow horses or other equines access to feeds containing monensin. Ingestion of monensin by horses has been fatal. Monensin medicated cattle and goat feeds are safe for use in cattle and goats 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 and could be fatal to goats. Must be thoroughly mixed in feeds before use. Do not feed undiluted. 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.

You May Notice the following:

- Reduced voluntary feed intake in dairy cows fed monensin. This reduction increases with higher doses of monensin fed. Rule out monensin as the cause of reduced feed intake before attributing to other causes such as illness, feed management, or the environment.
- Reduced milk fat percentage in dairy cows fed monensin. This reduction increases with higher doses of monensin fed.
- Increased incidence of cystic ovaries and metritis in dairy cows fed monensin.
- Reduced conception rates, increased services per animal, and extended days open and corresponding calving intervals in dairy cows fed monensin.

Have a comprehensive and ongoing nutritional, reproductive and herd health program in place when feeding monensin to dairy cows.

Warning

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

Manufactured By
Blue Bird Feed Mill
Any town, USA 12345

Net Weight lb on bag or bulk

Expiration Date: 8 weeks after manufacture