

Maximizer

RFD Maximizer 1.5

Active Drug Ingredients:
Monensin 332 g/ton and Tylosin 120 g/ton

-GUARANTEED ANALYSIS-

Crude Protein	(Min)	36.0 %
Non-Protein Nitrogen	(Max)	18.0 %
Crude Fat	(Min)	2.5 %
Crude Fiber	(Max)	4.0 %
Calcium	(Min) 6.7 % (Max)	8.0 %
Salt	(Min) 3.5 % (Max)	4.5 %
Potassium	(Min)	4.0 %
Zinc	(Min)	820.0 ppm
Copper	(Min)	270.0 ppm
Selenium	(Min)	4.0 ppm
Vitamin A	(Min)	40,000.0 IU/lb
Vitamin E	(Min)	40.0 IU/lb

Feeding Directions

Feed at a rate of 1.5 lb/head/day to provide 250 mg/head/day of Rumensin and 90 mg/head/day of Tylan. Mix with whole shelled corn or coarse cracked corn. Keep fresh bedding in pens. Feed 1 to 2 lbs. of poor quality roughage per head per day. Provide abundant, fresh supply of water. Provide a separate source of salt and mineral, free choice. For further directions consult your supplier or nutritionist.

Features and Benefits

- **High bypass protein (Lysine)**
 - ✓ **Increases yields**
- **Added Anti-Acid**
 - ✓ **Reduces bloats**
 - ✓ **Improves Feed Efficiency**
- **Rumensin**
 - ✓ **Better feed efficiency**
 - ✓ **Reduces Bloats**
- **Tylan**
 - ✓ **Reduces liver abscesses**
- **High Electrolytes**
 - ✓ **Improves water intake and health**
 - ✓ **Improves feed efficiency and gain**
- **Live Yeast**
 - ✓ **Maintains gastrointestinal health**
 - ✓ **Improves feed efficiency and production**

Product No.: **44701 RT0**

Maximizer

RFD Maximizer 2.0

Active Drug Ingredients:
Monensin 250 g/ton and Tylosin 90 g/ton

-GUARANTEED ANALYSIS-

Crude Protein	(Min)	38.0 %
Non-Protein Nitrogen	(Max)	8.0 %
Crude Fat	(Min)	0.9 %
Crude Fiber	(Max)	4.0 %
Calcium	(Min) 5.4 % (Max)	6.4 %
Salt	(Min) 2.5 % (Max)	3.5 %
Potassium	(Min)	3.2 %
Zinc	(Min)	600.0 ppm
Copper	(Min)	200.0 ppm
Selenium	(Min)	2.9 ppm
Vitamin A	(Min)	30,000.0 IU/lb
Vitamin E	(Min)	30.0 IU/lb

Feeding Directions

Feed at a rate of 2.0 lb/head/day to provide 250 mg/head/day of Rumensin and 90 mg/head/day of Tylan. Mix with whole shelled corn or coarse cracked corn. Keep fresh bedding in pens. Feed 1 to 2 lbs. of poor quality roughage per head per day. Provide abundant, fresh supply of water. Provide a separate source of salt and mineral, free choice. For further directions consult your supplier or nutritionist.

Features and Benefits

- **Higher inclusion**
 - ✓ **Increases dietary protein**
- **Rumensin**
 - ✓ **Better feed efficiency**
 - ✓ **Reduces Bloats**
- **Tylan**
 - ✓ **Reduces liver abscesses**
- **High Electrolytes**
 - ✓ **Improves water intake and health**
 - ✓ **Improves feed efficiency and gain**

Product No.: **44702 RT0**

Directions for use

Mix according to feeding directions with whole or very coarse cracked corn. Cattle should be started on corn at a current level or 0.5% of their body weight to ad-libitum access and then increased over a three week period.

- **Water space**
 - ✓ 1-2 in./hd.
- **Feeder space**
 - ✓ 4-6 in./hd.
- **Lot space**
 - ✓ **Building with concrete**
 - 40 ft²/hd.
 - ✓ **Concrete lot**
 - 60 ft²/hd.
 - ✓ **Dirt lot**
 - 200-400 ft²
- **Shade space**
 - ✓ 20 ft²/hd.

Bed cattle as needed, so hides stay clean and dry, and bed them mid-day to minimize consumption.

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**Increasing more than just
your bottom line**

Bedding Effects

Table 1. Effect of amount of bedding on feed intake, gain, and feed efficiency for steers finished in North Dakota during the winter.

Item	Treatment		
	No bedding	Modest bedding	Generous bedding
DM intake, lb/hd/d	21.99	21.96	22.16
Avg daily gain (lb)	2.83 ^a	3.69 ^b	3.53 ^b
Feed efficiency	7.63 ^a	5.81 ^b	6.21 ^b

Table 2. Effect of amount of bedding on carcass quality for steers finished in North Dakota during the winter.

Item	Treatment		
	No bedding	Modest bedding	Generous bedding
Final wt. (lbs.)	1121 ^a	1182 ^b	1172 ^b
Carcass wt. (lbs.)	674 ^a	715 ^a	721 ^b
Dressing %	61.95 ^a	62.33 ^{ab}	63.43 ^b
Marbling score	361 ^a	392 ^b	415 ^b
% Choice	23	45	63
Yield grade	2.98	3.03	3.09
Fat	0.39	0.43	0.46
Ribeye area (.in ²)	11.47 ^a	12.09 ^b	11.99 ^b
KPH (%)	2.43	2.51	2.43

Table 3. Nutrient levels of raw and composted manure at different bedding levels (dry matter basis).

Raw Manure	Treatment		
	No bedding	Modest bedding	Generous bedding
N (%)	1.59	1.55	1.90
P (%)	0.72	0.65	0.76
NH ₄ -N (ppm)	1384	1272	1065
Composted Manure			
N (%)	0.83	1.40	1.61
P (%)	0.51	0.75	0.81
NH ₄ -N (ppm)	81.2	60.9	64.7

Table 4. Performance of steers bedded with different materials during the winter.

Item	Treatment			
	No bedding	Wheat Straw	Corn Stover	SoyBn. Res.
DM intake, lb/hd/d	20.24	20.30	19.62	20.59
Avg daily gain (lb)	3.63 ^a	3.91 ^b	3.72 ^{ab}	3.84 ^a
Feed efficiency	5.59	5.18	5.29	5.34

Table 5. Carcass traits for steers bedded with different materials.

Item	Treatment			
	No bedding	Wheat Straw	Corn Stover	SoyBn. Res.
Carcass wt (lbs.)	724	754	734	743
Dressing %	62.23	62.69	62.29	62.26
Marbling score	464	448	430	484
Yield grade	3.37 ^a	3.53 ^b	3.22 ^a	3.42 ^b
Fat (in.)	0.55 ^{ab}	0.61 ^a	0.49 ^b	0.57 ^{ab}
Ribeye area (in ²)	12.32	12.59	12.43	12.59
KPH (%)	2.33	2.44	2.36	2.38

Table 6. Nutrient Content of raw and composted manure from different bedding materials applied to feedlot cattle on finishing rations during the winter of 2004-2005 at the Carrington Center

Raw Manure	Treatment			
	No bedding	Wheat Straw	Corn Stover	SoyBn. Res.
Dry Matter (%)	75.60	29.05	23.55	31.56
NH ₄ -N (ppm)	829	2583	4137	2890
N (%)	1.11	2.72	3.88	2.62
P (%)	0.26	0.59	0.59	0.45
K (%)	0.59	2.48	2.86	2.29
Composted Manure				
Dry Matter (%)	76.34	54.21	59.13	61.54
NH ₄ -N (ppm)	1354	209	1655	387
N (%)	1.31	2.21	2.55	2.62
P (%)	0.48	0.81	0.98	0.86
K (%)	1.26	2.57	3.20	2.94

Anderson¹, V.L., R.J. Wiederholt¹, J.P. Schoonmaker²; Effects of Bedding Feedlot Cattle During the Winter on Performance, Carcass Quality, and Nutrients in Manure; 2006; ¹NDSU Carrington Research Extension Center and ²Sun Prairie, WI.

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