



Masterfeeds



**The Original
“No Roughage”
Feeding Program for
● FINISHING CATTLE
● RED VEAL ● SHEEP**

Manufactured and Marketed
Exclusively in Canada
for more than 25 years by

1020 Hargrieve Road
London, Ont. N6E 1P5

Masterfeeds Tend-R-Leen: A Profitable Way to Feed Beef Cattle & Sheep

The Tend-R-Leen Program is simple and convenient with no complicated formulas. The diet consists of whole shelled corn and/or rolled barley along with Tend-R-Leen Supplement and Masterfeeds M+V mineral.



Features

1. Eliminates roughage feeding*
2. Less manure produced (up to 50% reduction)
3. Corn requires no grinding** (barley only needs to be rolled)
4. Higher Average Daily Gains (ADG)
5. Improves feed conversion
6. Produces a tender yet lean carcass with just the right amount of marbling

Benefits

1. Less labor and less capital required for roughage storage and processing equipment
2. Less labor needed for scraping and spreading
3. Energy savings - less capital required for processing equipment and less labor
4. Decreased days to market resulting in:
-lower interest cost/head
-more marketed/year
5. Lower cost of gain compared to traditional hot rations
6. Most buyers and packers will pay top dollar for these animals because of consumer demand

*Shelled corn over 24% moisture should be rolled.

Cattle over 275 kg should **NOT be fed straight high moisture corn.

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How Does Tend-R-Leen Work?

Tend-R-Leen Supplement and whole corn and/or rolled barley are not digested like conventional diets in the rumen.

Instead, the intestine is the primary site of digestion. This results in improved feed efficiency and rate of gain.

Is Bloat a Problem with Tend-R-Leen?

NO. The large pieces of chewed corn or barley provide the “scratch factor” needed to maintain the rumen wall in good condition. Masterfeeds’ Tend-R-Leen Program is no more likely to be associated with bloat or founder than are conventional high energy rations as long as the feeding directions are followed.

Can Ionophores, Implants and Other Feed Additives be Used With the Tend-R-Leen Program?

YES. Masterfeeds recommends the addition of an ionophore (either Bovatec, Posistac or Rumensin) to the Tend-R-Leen Program for improved feed conversion and ADG. These products will also aid in the prevention of coccidiosis. There are a wide variety of implants available, but the best one is the one which is properly placed in the animal’s ear.

Other medications commonly used include Tylan, Aureomycin, AS-700, Deccox and MGA. Consult your Masterfeeds Dealer or Representative for correct dosages and combinations.

This brochure provides information on feeding and management tips for:

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A) Finishing Beef Cattle

Roughage fed beef cattle can be converted easily to the Tend-R-Leen Program by following the conversion program listed below.

Conversion Program for Finishing Roughage Fed Beef Cattle			
Day #	Tend-R-Leen Beef Starter	Dry Grain	Tend-R-Leen Supp. (Deccox)
1-4	75%	25%	.7 kg
5-8	50%	50%	.7 kg
9-12	25%	75%	.7 kg
13-28	0%	100%	.7 kg

Cattle should consume about 2.5% of body weight when on full feed.

Note: Purchased calves less than 150 kg, feed Tend-R-Leen Beef Starter Supplement (Deccox).

In order to attain maximum grade and yield, there are two important questions which must be answered *before* beef cattle are converted to the Tend-R-Leen Program:

- What breed or type are they?
- What is the target market weight?

With the answers to these questions, use the following guidelines to determine when cattle should be converted.

1) British Breeds

(Angus, Hereford, Shorthorn, etc.)

Target Market Weight	Starting Weight
1000-1100 lbs (450-500 kg)	775 lbs (350 kg)
1100-1200 lbs (500-550 kg)	875 lbs (400 kg)

2) Large Frame Cross-Breds

Target Market Weight	Starting Weight
1100-1200 lbs (500-550 kg)	800 lbs (360 kg)
1200-1300 lbs (550-600 kg)	855 lbs (485 kg)

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3) Holstein Steers & Pure Exotics

(Charolais, Limousin, & Simmental)

Target Market Weight	Starting Weight
1200-1300 lbs (550-600 kg)	600 lbs (270 kg)
1300-1400 lbs (600-650 kg)	700 lbs (320 kg)

After cattle have been successfully converted, simply feed .7 kg/hd/day of Tend-R-Leen Beef Supplement along with free-choice whole corn and/or rolled barley. If you prefer to use a prepared mix instead, simply follow the mixing chart below according to their body weights. **Remember to feed this mix free-choice.**

Tend-R-Leen Mixing Chart for Finishing Cattle		
Body Weight Range (kg)	Tend-R-Leen Supp. (kg/tonne)	Whole Corn ¹ (kg/tonne)
100-150	250 kg ²	750 kg
150-200	150 kg	850 kg
200-275	100 kg	900 kg
275-market	75 kg	925 kg

¹ Whole corn can be replaced with rolled barley or HM Corn (HM corn over 24% moisture must be rolled and should not be fed straight to cattle over 275 kg body weight).

² Use Tend-R-Leen Beef Starter Supplement for calves under 150 kg body weight.

Note: See "Management Tips" for additional information.

Expected ¹ Daily Consumption and Performance for Cattle on the Tend-R-Leen Program				
Body Weight Range (kg)	Avg. Feed Intake		Feed:Gain (Conversion)	ADG kg.
	% of B.W.	kg.		
100-200	3.00	3-6	3.5:1	1.15
200-300	2.75	6-8	5:1	1.40
300-500	2.50	8-12	7:1	1.50

¹ Results may vary due to factors such as genetics, housing and management. The figures above are best estimates from University trials and farm tests over the past 25 years.

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It has been said that imitation is the most sincere form of flattery. We would like to thank our competitors for their many compliments over the past 25 years.

B) Red Veal

Target Market Weight:
270 kg (600 lbs)

Preferred calf type:
Well muscled, large frame, dairy bull calves

1) Home Raised Calves or Purchased “Bob” Calves

Follow Masterfeeds’ Calf Feeding Program until calves are consuming 2 kg of starter per day along with free-choice hay. When calves reach 100 kg (220 lbs), gradually convert them to the Tend-R-Leen Program by following the conversion chart below.

2) Purchased Calves (80-100 kg body weight)

- During the first two days after purchase provide good quality hay only and water free-choice.
- On the second day introduce calves to 1 kg of one of Masterfeeds calf Starters (medicated with Deccox). Gradually increase to 2 kg/hd/day.
- When calves weigh 100 kg, gradually convert them to Masterfeeds Tend-R-Leen Program by following the conversion chart below.

Note: For purchased calves heavier than 100 kg, follow the conversion program for Finishing Beef Cattle on page 3.

Tend-R-Leen Red Veal Conversion Chart			
Week on Program	Ratio of Mix		Tend-R-Leen Beef Str Supp (Deccox) per head per day
	Calf Starter	Whole Corn or Rolled Barley	
1st	75%	25%	.25 kg
2nd	50%	50%	.5 kg
3rd	25%	75%	.7 kg
4th	0%	100%	.7 kg

Note: Calf starter should be medicated with Deccox.

After calves have been successfully converted, simply feed .7 kg/hd/day of Masterfeeds Tend-R-Leen Supplement along with free-choice whole corn and/or rolled barley and M+V 200 Mineral. It’s that simple!

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If you prefer to mix the ration before feeding, simply follow the mixing chart below according to your calves’ body weights.

Remember to feed this mix free-choice.

Tend-R-Leen Mixing Chart for Red Veal		
Body Weight Range (kg)	Tend-R-Leen Supp. (kg/tonne)	Whole Corn ¹ (kg/tonne)
100-150	250 kg ²	750 kg
150-200	150 kg	850 kg
200-market	100 kg	900 kg

¹ Corn can be replaced with rolled barley or HM Corn (HM Corn over 24% moisture must be rolled).

² Use Tend-R-Leen Beef Starter Supplement for calves under 150 kg body weight.

Note: See section on “Management Tips” for additional information.

Tend-R-Leen Products for Beef

Converter Feeds

Tend-R-Leen Beef Starter

Complete Mixes (Tend-R-Leen:Corn)

Tend-R-Leen plus corn	1:3
Tend-R-Leen plus corn	1:4
Tend-R-Leen plus corn	1:5

Supplements

Tend-R-Leen Beef Starter Supplement (Deccox)
Tend-R-Leen Beef Starter Supplement (Aureomycin)
Tend-R-Leen Beef Supplement (Aureomycin)
Tend-R-Leen Beef Supplement (Tylan & Rumensin)
Tend-R-Leen Beef Supplement (Bovatec)
Tend-R-Leen Beef Supplement (Posistac)
Tend-R-Leen Beef Supplement (Rumensin & MGA)
Tend-R-Leen Beef Supplement (unmedicated)

Stress Respiratory Product

(for shipping fever)

Tend-R-Leen Beef Supplement (AS 700)
Tend-R-Leen Beef Supplement (Deccox)

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Facility Requirements

Lots:

	m ² /hd	(ft ² /hd)	slope
Paved Lots	4.6-9.3	50-100	2-4cm/m
Dirt Lots	14-18.5	150-200	4 cm+/m

Housing:

Calves	1.5-2.5 m ² /hd (15-25 ft ² /hd)
Older Cattle	2.5-3.5 m ² /hd (25-35 ft ² /hd)

Bunks:

	Animal Weight	
	Up to 270 kg	Over 270 kg
Height	.6 m (24")	.76 m (30")
Depth	20 cm (8")	25 cm (10")
Length (per head)		
- hand feeding	.5-.6 m (18-24")	.6-.7 m (24-30")
- free-choice	10 cm (4")	10 cm (4")

C) Management Tips

1. Bedding - be consistent when it is used.
2. Implant cattle with the product of your choice.
3. Use an ionophore in the feed with cattle over 100 kg (220 lbs).
4. Feed and water must be available at all times.
Maximum time for cattle to be out of feed is two hours. Founder occurs after this amount of time.
5. Fines are one cause of bloat. Allow cattle to clean up the bunk periodically, keep bunk free of fines and clean corners daily.
6. Follow the vaccination program recommended by your veterinarian.
7. Proper castration practices must be followed.
8. Provide comfortable facilities with proper ventilation for all animals.
9. Deworm cattle and treat for grubs and lice.
10. Research has shown that feeding a combination of dry shelled corn and rolled barley or HM corn may improve performance.

MASTERFEEDS TEND-R-LEEN...

Often copied but never duplicated.

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D) Sheep

(Easter Lambs and Heavy Market Lambs)

Tend-R-Leen feeding of lambs has been proven by University and commercial feedlot research. Most important of all, it is economical and produces the ultimate carcass. Tend-R-Leen feeding is based on offering whole corn and/or rolled barley along with specially formulated Tend-R-Leen Supplements *without* any forage feeding.

a) Home Raised Lambs:

Tend-R-Leen Lamb Feeding Program		
Age (days)	Type of Feed	Feeding Method
1-2	Colostrum	Nurse Dam
3-10	Milk from Dam or Lamb Milk Replacer	Nurse Dam, Hand Fed or Automatic
11-28	Milk from Dam or Lamb Milk Replacer & Tend-R-Leen	As appropriate
29-50	Lamb Starter-Grower Tend-R-Leen Lamb Starter-Grower	Free-choice
51-market	Tend-R-Leen Grower-Finisher	Free-choice

Note: Clean, fresh water should be available at all times. Excellent quality hay may be offered to very young lambs, but should be gradually withdrawn so that the Tend-R-Leen Ration is the only feed by 50 days of age.

In addition to the complete Tend-R-Leen Rations, Masterfeeds also offers two Tend-R-Leen Lamb Supplements. These supplements can be mixed with whole shelled corn and/or rolled barley to make complete rations outlined in the chart below.

Tend-R-Leen Lamb Supplement Mixing Directions		
Ingredient Type or Product Name	TRL Lamb Str.-Grower	TRL Lamb Grow-Fin.
TRL Lamb Supp. (NU)	200 kg	----
TRL Lamb Supp.	----	100 kg
Whole Corn/Rolled Barley	795 kg	895 kg
M+V 700 Mineral	5 kg	5 kg
TOTAL	1000 kg	1000 kg

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b) Purchased Lambs:

For older lambs that have not been raised on the Tend-R-Leen Program and need to be converted, the following table provides guidelines for Tend-R-Leen conversion.

Tend-R-Leen Lamb Conversion Table			
Days	Amt. of Hay	Ration Mixture Ratio	
		Lamb Str-Gr.	TRL Lamb Gr-Fin
1-4	Limited	80%	20%
5-8	None	50%	50%
9-12	None	20%	80%
13-mkt	None	0	(free choice) 100%

Tend-R-Leen Lamb Grower-Finisher can be made on the farm with Tend-R-Leen Supplement and whole corn and/or rolled barley according to the Tend-R-Leen Lamb Supplement Mixing Chart on the previous page.

Note: 100 lambs will consume about 140 kg of Tend-R-Leen Ration per day.

Management Guidelines for Lambs

- 1) Provide clean, fresh water at all times.
- 2) Keep feed fresh in bunk or creep feeders, especially at first when lambs are being encouraged to eat solid food.
- 3) Vaccinate lambs for enterotoxemia with both C and D type Perfringens Toxoid Vaccine before starting on the feeding program.
- 4) Always adjust to a new feed gradually in order to allow rumen to adapt.
- 5) Isolate and treat sick or weak lambs.
- 6) Purchased feeder lambs should be:
 - allowed to rest in comfort, protected from harsh weather.
 - provided with free access to fresh water, good quality hay and free-choice sheep mineral.
 - provided with hay only for the first 4-6 hours before watering if animals are dehydrated.
 - de-wormed and vaccinated for enterotoxemia.
 - sorted according to size or weight.
 - fed a grain based ration after 3-4 days starting at about .125 kg/hd/day. Gradually increase to 1 kg/hd/day over a three week period. (Conversion to the Tend-R-Leen Program may be done as part of this phase.)

(9)**Tend-R-Leen Products for Sheep**

Tend-R-Leen Lamb Starter-Grower (Terramycin)
 Tend-R-Leen Lamb Grower-Finisher (Terramycin)
 Tend-R-Leen Lamb Supplement NU (Terramycin)
 Tend-R-Leen Lamb Supplement (Terramycin)
 Tend-R-Leen Lamb Supplement (unmedicated)

E) Tend-R-Leen Feedlot Trials**Heavy Cattle**

# of steers fed	2000
Avg. starting weight	308 kg
Avg. finishing weight	493 kg
Avg. total gain/head	185 kg
Avg. Daily Gain (ADG)	1.45 kg
Feed conversion	6.9:1
% corn/barley in ration	88.7%
% Tend-R-Leen Starter	3.8%
% Tend-R-Leen Finisher	7.5%

Red Veal

# of calves fed	258
Avg. starting weight	101 kg
Avg. finishing weight	248 kg
Avg. total gain/head	147 kg
Avg. Daily Gain (ADG)	1.30 kg
Feed conversion	3.94:1
% corn/barley in ration	79.7%
% Tend-R-Leen Starter	3.2%
% Tend-R-Leen Supplement	17.1%

Easter Lambs (still nursing ewes)

# of lambs fed	128
# of days on test	24
Avg. starting weight	14.4 kg
Avg. finishing weight	21.5 kg
Avg. total gain/head	7.1 kg
Avg. Daily Gain (ADG)	0.3 kg*
Feed conversion	1.44:1

*This ADG was 50% better than the previous traditional creep feeding program.

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