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sheep footnotes



Volume 10, Issue 1, January 1987

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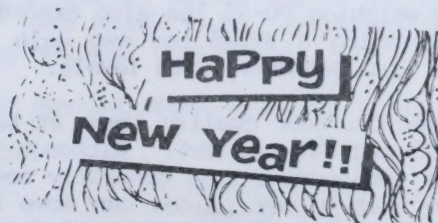
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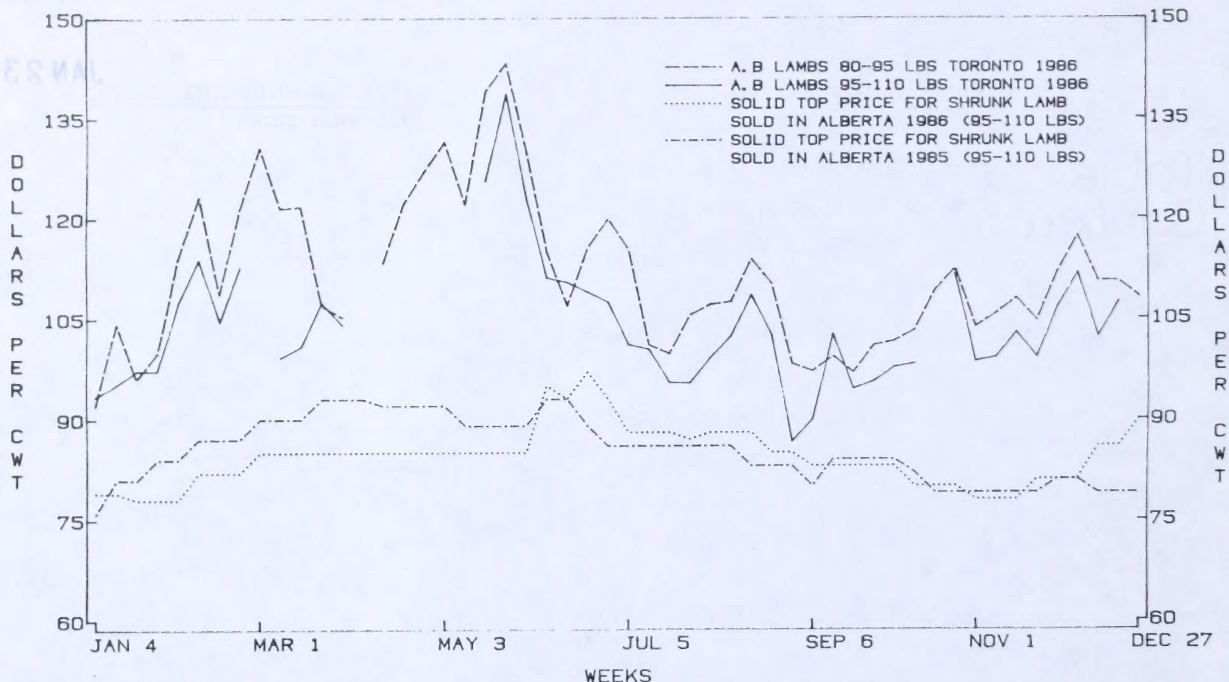


Alberta
 AGRICULTURE

Animal Industry Division
 Beef and Sheep Branch

MARKET REPORT

WEEKLY AVERAGE SLAUGHTER LAMB PRICES



NOTE: NO OR INSUFFICIENT SALES FOR CERTAIN WEEKS IN TORONTO

Slaughter lambs in Alberta traded higher through December averaging \$85.00 - \$88.00 per cwt for 95-110 lb good quality lambs, about \$8.00 per cwt above year ago values. Local prices may be finding some support in the slaughter volumes which have continued below year ago levels. Preliminary Lambco slaughter figures show the total number of lambs slaughter for 1986 to be 79,932 head, down 11 per cent from the 1985 figures of 90,171 head.

In December at the Toronto Public Stockyards, heavier lambs weighing between 95-110 lbs sold for an average price of \$107.34 per cwt. This is up an average of \$5.81 per cwt from November price levels and \$15.21 per cwt from December, 1985 prices. Lighter lambs weighing 90-95 lbs also traded to a stronger market with the December prices averaging a \$5.85 per cwt gain over November, 1986 and a \$16.26 per cwt increase from December, 1985 levels.

Early January prices for good quality lambs at Lambco are ranging between a near record high of \$93 and \$96 per cwt. Although supplies are tight and the market is moving into a time period that generally sees prices trending upwards, it is questionable how much higher prices can move before there is resistance felt at the retail level. Also the presence of import products may provide a moderating effect on price increases.

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT LAMBCO

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON						
DEC 1986	83.00-86.00	83.00-86.00	87.00-90.00	87.00-90.00	---	85.00-88.00
LAST MON						
NOV 1986	75.00-78.00	75.00-78.00	78.00-81.00	78.00-81.00	78.00-81.00	76.80-79.80
YR AGO MON						
DEC 1985	79.00-81.00	76.00-79.00	76.00-79.00	76.00-79.00	----	76.75-79.50
VOLUMES						
DEC 1986	1,231	1,405	1,556	835	---	5,027
DEC 1985	1,631	1,639	1,310	942	---	5,522

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT TORONTO PUBLIC STOCKYARDS
(With Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	105.00-117.00	98.00-107.00	100.00-124.00	NEP	---	
DEC 1986	(111.77)	(102.26)	(107.43)		---	107.34
LAST MON	90.00-103.00	101.00-107.00	95.00-103.50	99.00-110.00	---	
NOV 1986	(99.16)	(102.88)	(99.17)	(106.60)	---	101.53
YR AGO MON	97.50-103.00	82.00-96.00	80.00-90.00	88.00-94.00	---	
DEC 1985	(100.47)	(89.02)	(88.16)	(90.42)	---	92.13
DEC/86 VOLUMES	103	92	117	N/A	---	312
AVERAGE WEIGHT	101.6 lb	101.5 lb	99.7 lb	N/A	---	100.9 lb

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 80-95 LBS TORONTO PUBLIC STOCKYARDS
(Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	111.00-126.00	101.00-123.00	101.00-122.00	106.00-123.00	---	112.89
DEC 1986	(117.35)	(110.59)	(110.58)	(108.23)	---	
LAST MON	99.00-114.00	100.00-117.00	95.00-118.00	106.00-121.00	---	
NOV 1986	(105.71)	(107.99)	(104.67)	(111.87)	---	107.04
YR AGO MON	101.00-113.00	80.00-101.00	91.00-120.00			
DEC 1985	(105.30)	(92.10)	(108.64)	NEP	---	96.63
DEC/86 VOLUMES	307	289	187	57		840
AVERAGE WEIGHT	87.7 lb	87.0 lb	86.6 lb	91.8 lb		88.3 lb

Prices quoted for 95-110 lb lambs are bid prices at Lambco and auction prices at Toronto Public Stockyards for good quality lambs. The lower end of the Alberta price range reflects bids for short haul or unshrunk lambs while the upper end of the range represents bids for long haul or shrunk lambs. Producers delivering to the Toronto Public Stockyards pay commission and yardage fees for each animal sold. Producers delivering to Lambco pay \$1/head checkoff to the Alberta Sheep and Wool Commission.

The Toronto auction price is from the Special Sheep and Lamb Sale held on Monday each week.

N.E.P. - No established price

Marilyn Johnson, Market Analyst
Market Analysis Branch
Phone (403) 427-4002
January 7, 1987

MARKET

** REPRESENTATIVE LIVE SALES **
DECEMBER 19, 1986

AREA	TYPE OF SHEEP	TYPE OF SALE	NUMBER	WEIGHT	WEIGHING CONDITIONS	PRICE (\$/cwt)
SOUTHWEST						
California	Pasture	Direct	50,000	120-130	Jan.-Mar. del., shorn, FOB 4% shrink	72.00-73.00
Arizona	Pasture	Direct	25,000	120-130	Jan.-Mar. Del., shorn, FOB 4% shrink	72.00-73.00
California	Feeder	Auction	200	60- 80	Choice & fancy, woolled	74.00-84.00
California	Feeder	Auction	200	80-100	Choice & fancy, woolled	72.00-76.00
California	Sl. Ewe	Auction	200		Cull & utility	22.00-26.00
MOUNTAIN						
Wyoming	Feedlot	Direct	400	125-135	Choice & prime, woolled, FOB 4% shrink	74.00
Montana	Feedlot	Direct	1,600	115-120	Guarantee 51% yield, No. 3 pelts	72.50-73.00
Utah	Feedlot	Direct	400	115-125	Choice & prime, woolled, FOB overnight	72.00
Utah	Mixed	Direct	450	95-105	60% feeders, woolled, FOB overnight	71.00
Colorado	Feedlot	Direct	370	115-130	Choice & prime, woolled, FOB 4% shrink	75.25
Colorado	Spring	Auction	200	90-115	Choice & prime, woolled	73.75-77.00
Colorado	Feeder	Auction	300	65- 85	Choice & fancy, woolled	81.75-84.00
Colorado	Feeder	Direct	2,500	100-105	Choice & fancy, woolled, FOB 3% shrink	75.00
Montana	Feeder	Direct	900	85- 95	Choice & fancy, woolled, FOB overnight	80.66
Montana	Feeder	Direct	1,400	95-105	Choice & fancy, woolled, FOB overnight	77.00
Montana	Feeder	Auction	400	65- 85	Choice & fancy, woolled	81.00-87.75
Montana	Feeder	Auction	300	85- 95	Choice & fancy, woolled	78.25-85.00
Montana	Feeder	Auction	400	95-105	Choice & fancy, woolled	77.25-83.00
Montana	Mixed	Auction	400	105-140	Slaughter & feeders, woolled	72.25-77.25
Montana	Sl. Ewe	Auction	150		Utility & good	19.50-28.00
Montana	Stock Ewe	Auction	200	120-160	Mixed aged	35.00-45.00
New Mexico	Stock Ewe	Auction	250		Mixed aged (per hd.)	35.00-45.00
SOUTH CENTRAL						
Texas	Feedlot	Direct	8,000	90-120	Guarantee 51% yield, shorn	72.00-74.00
Texas	Feeder	Direct	21,000	90-100	Jan.-Apr. del., shorn, FOB overnight	75.00-77.00
Texas	Feeder	Auction	200	40- 50	Choice & fancy, woolled	101.00-104.00
Texas	Feeder	Auction	200	50- 60	Choice & fancy, woolled	95.00-102.00
Texas	Feeder	Auction	700	60- 70	Choice & fancy, woolled	85.00-90.00
Texas	Feeder	Auction	800	70- 80	Choice & fancy, woolled	81.00-90.00
Texas	Feeder	Auction	1,200	80-105	Choice & fancy, woolled	78.00-86.00
Texas	Sl. Ewe	Auction	1,000		Utility	28.00-35.00
Texas	Stock Ewe	Auction	150		Good mixed ages (per hd.)	50.00-71.00
NORTH CENTRAL						
Nebraska	Feedlot	Direct	400	120-130	Choice & prime, shorn, FOB 4% shrink	76.00
Iowa-S. Minn.	Spring	Direct	2,500	110-135	Choice & prime, No. 1-2 pelts, FOB 4% shr.	72.00-76.00
Iowa-S. Minn.	Spring	Direct	1,000	105-115	Choice & prime, No. 2-3 pelts, FOB 4% shr.	69.00-72.00
Iowa-S. Minn.	Spring	Direct	500	125-135	Choice & prime, woolled, FOB 4% shrink	72.50
Iowa	Spring	Computer	400	115-125	125lb. wt. break, \$2 woolled disc., 3% shr.	75.50
S. Dakota	Feeder	Auction	200	55- 65	Choice & fancy, woolled	92.00-105.00
S. Dakota	Feeder	Auction	400	70- 80	Choice & fancy, woolled	85.00-89.00
S. Dakota	Feeder	Auction	500	80- 90	Choice & fancy, woolled	80.00-84.00
S. Dakota	Feeder	Auction	650	90-120	Choice & fancy, woolled	76.00-84.00
S. Dakota	Sl. Ewe	Auction	300		Utility & good	24.00-29.50
S. Dakota	Stock Ewe	Auction	125		Short term to broken mouth (per hd.)	61.00
S. Dakota	Stock Ewe	Auction	300	76- 85	Ewe lambs	88.00-92.50
S. Dakota	Stock Ewe	Auction	150	115	Ewe lambs	78.50
EASTERN						
Virginia	Spring	Computer	200	95-120	Choice & prime, \$2 woolled discount	73.00
Pennsylvania	New Crop	Auction	200	20- 45	Choice & prime, woolled	130.00-190.00
Pennsylvania	New Crop	Auction	250	40- 60	Choice & prime, woolled	105.00-150.00

**** WOOL UPDATE ****

No activity to report in the domestic wool trade. Australian prices were higher for all categories this week. Increases ranged from 1-3A cents for 19, 23, 24 and 25 micron categories. 4-6A cent increases were noted on 20, 21, 22, and 26 micron categories. 9-10A cent increases were seen on 27-30 micron categories as well as merino carding. The market indicator was 5A cents higher to end the first half of the season at 591A cents per kilo clean (178.59 cents per pound). AWC purchases were 2 percent of the 188,479 bales offered. 7 percent of the offering was passed in indicating growers optimism about the second half of the season. AWC stocks stood at 893,690 bales. The next sales will be held the week of January 12.

**** ASPC PELT MARKET UPDATE - DECEMBER ****
salted and unflashed, FOB packer

Fall Clip	\$8.00 - 8.25	Pelt prices remain
No. 1	\$7.00 - 7.25	very strong with shearlings
No. 2	\$6.00 - 6.25	showing the most strength.
No. 3	\$3.75 - 4.00	Shearling prices are up
Spring	\$7.40 - 8.00	25 cents over last month.
Wool	\$6.00 - 6.50	Spring prices are steady to weak as spring pelt quality is declining. Midwestern spring prices are at the bottom end of the range. Wool prices are 25 cents stronger than last month. The near term outlook appears to be good with demand exceeding available supplies. No word yet on Imperial prices but there is anticipation of \$1 or more premium over current



1987

- January 25 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- January 31 Deadline for applications to the Medicine Lake Provincial Grazing Reserve. Contact Morris Seiferling, Regional Manager, West Central Grazing Reserves, Box 411, Drayton Valley, Alberta, TOE 0M0. See ad in this issue.
- February 12 North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton at 455-2287 or Bruce McChan, Calmar at 985-3744.
- February 22 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- February 23,24,25 Introduction to Sheep Production short course - Olds College. See ad in this issue.
- February 26 & 27 Sheep Shearing short course - Olds College. See ad in this issue.
- April 13 & 14 Sheep Shearing and Wool Care - Lakeland College, Vermilion Campus. See ad in this issue.
- May 15 - 17 Stock Dog Training - Lakeland College, Vermilion Campus. See ad in this issue.

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FORT MACLEOD - HIGHWOOD AUCTION COMPANY LTD.

Box 690, Fort MacLeod, Alberta TOL 0Z0 (403) 553-3315
P.O. Bag Service #29, High River, Alberta TOL 1B0 (403) 652-3343

FORT MACLEOD LAST CHANCE SHEEP SALE

DECEMBER 16, 1986

325 Ewe Lambs sold for an average of \$146.20. Low of \$120 to a high of \$180
28 Finn. X yearlings sold for \$155
24 Columbia X 1-3 years old sold for \$165
203 full mouth ewes 4-6 years old sold for an average of \$147.34
Complete dispersal of Garnet Runcie's Columbia Purebred ewes (sold as grades)
38 - 1-4 year old ewes sold for \$300
27 - 5-8 year old ewes sold for \$210
Dispersal of Hamp. Ewes
10 - 4-6 year old ewes sold for \$210

ALBERTA SHEEP & WOOL COMMISSION

24 HOUR MARKET LINE

1-291-9884

THE MARKET LINE PROVIDES LAMB PRICES ON THE FOLLOWING
MARKETS:

- LAMBCO - INNISFAIL
- NORTH CENTRAL SHEEP SALES - EDMONTON
- LAMBLAND FEEDERS - LACOMBE
- ONTARIO STOCKYARDS - TORONTO
- U.S. NORTHWEST AREA
- U.S. MOUNTAIN AREA
- U.S. NORTH CENTRAL AREA
- FORT MACLEOD AUCTION MART


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CHANGE OF TELEPHONE NUMBER

John Knapp - 948-8517

Karren Green - Secretary & R.O.P. - 948-8515

Airdrie Regional Office - Main Switchboard - 948-8511

SAVE \$ ON YOUR ELECTRIC BILL!



For your automatic electrically heated water bowls - Cut a piece of 2" styrofoam to float on the water on each side of your drinkers. Make sure it is loose enough to float without jamming in the bowl. Using a torch, melt the top surface of the styrofoam until the piece is only 1" thick instead of 2" thick. This will harden the surface of the styrofoam and keep the sheep from nibbling it.

The styrofoam will insulate the water surface - no more steaming drinkers and a lower power bill! The sheep will quickly learn to push down on the styrofoam to drink. Hope it helps!

Tom Mackowecki
St. Paul, Alberta

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SHEEP SHEARING AND WOOL CARE

A course designed to enable the producer to acquire knowledge in management and handling of sheep for shearing and methods of shearing.

Time will also be spent on hoof trimming and crutching.

DATES; April 13 and 14 (Monday and Tuesday)

TIME: 8:30 am - 4:30 pm

FEE: \$55.00

INSTRUCTOR: Bruce McGhan

STOCK DOG TRAINING

Around livestock, a good pair of dogs can be worth the work of three men. In this clinic the student will learn the instructor's method of training; dogs will work stock, fetch, know side commands and improve outrun and driving skills. Time will also be spent on improving individual weaknesses.

DATES: May 15 - 17 (Friday - Sunday)

TIME: 9:00 am - 4:00 pm

FEE: \$75.00

INSTRUCTOR: Ted Sutton

Both classes will run at Lakeland College, Vermilion Campus, Vermilion, Alta.

For more information and registration please call:

Continuing Education
Lakeland College
Vermilion Campus
Vermilion, Alberta
TOB 4M0

Ph. 853-8443

SHEEP SHORT COURSES

OLDS COLLEGE

Introduction to Sheep Production

Date: February 23 - 25, 1987
 Time: 9:00 A.M. to 4.30 P.M. Daily
 Fee: \$115.00
 Location: Sheep Facility, Olds College
 Equipment: Bring Boots and Coveralls
 Instructor: Gordon Kure

Sheep Shearing

Date: February 26 - 27, 1987
 Time: 9:00 A.M. to 5:00 P.M. Daily
 Fee: \$110.00
 Location: Sheep Facility, Olds College
 Equipment: Bring Boots and Coveralls
 Instructor: Bruce McGhan

Accommodation Information

Accommodation is available at Olds College's residence. Fees for double occupancy room and meals are as follows:

- * Introduction to Sheep Production \$60.45
- * Sheep Shearing \$21.95

When you register, please indicate whether you plan to stay on campus.

Registration Information

You may register for "Introduction to Sheep Production" or "Sheep Shearing" by mailing in the attached registration form along with a minimum \$30 non-refundable deposit for each course. You may also register by calling 556-8344 or 556-8352 and leaving your deposit on your Visa or Mastercard number.

REGISTRATION DEADLINE: February 13, 1987

REGISTRATION FORM

Department of Extension Services
Olds College, Olds, Alberta TOM 1P0

I hereby apply for admission to:

_____ "Introduction to Sheep Production"

_____ "Sheep Shearing"

Surname: _____
(Please Print)

Given Names: _____

Permanent Address: _____

Town/City: _____

Postal Code: _____

Telephone: (Business) _____

(Residence) _____

_____ Visa _____ Mastercard

Card Number: _____

Expiry Date of Card: _____

Signature: _____

Residence Requested? _____ Yes _____ No

MEDICINE LAKE PROVINCIAL GRAZING RESERVE (1986)

The Medicine lake P.G.R. sheep operation located approximately 4½ miles west and 3½ miles south of Winfield, Alberta had a very successful 1986 season although the number of sheep grazing the reserve is still low.

The 1986 season saw 17 patrons entering 960 head divided into a breeding flock of 595 ewes and 25 rams and a non-breeding flock of 340 ewes. Our losses were calculated at 1.8% which is considered very low and is a result mainly of our success with our predator control program on the reserve.

Sheep were first entered onto the reserve on May 8, 1986 and the last were removed October 9, 1986 which is a normal 5 month grazing season. The cost of grazing sheep at Medicine Lake in 1986 was calculated at 5.4¢/hd/day + 48¢/hd/season for salt, minerals and drugs.

Sheep were footbathed, dewormed and checked by a veterinarian and our staff on entry and were footbathed at 1 month intervals throughout the grazing season as part of our footrot control program. As a result no confirmed cases of footrot have been found on the pasture for the last 4 years.

The entry dates for the 1987 grazing season have been determined and are as follows:

- 1st entry - May 8, 1987
- 2nd entry - June 2, 1987
- 3rd entry - June 23, 1987

Applications and further information are now available for the 1987 season at Medicine Lake. The application deadline is January 31, 1987 and applications can be obtained by contacting:

Morris Seiferling, Regional Manager
West Central Grazing Reserves
Box 411
Drayton Valley, Alberta
TOE OMO





VALLEYVIEW COUPLE WIN SHEEP AWARD

A Valleyview couple has been presented with an award by the Peace River Lamb Association (PRLA) marking their achievements in the industry.

Katarina Sjoquist and Jonas Ljunggren were presented with the 1986 Lynden Ward Memorial Master Shepherd Award at the annual meeting of the association, December 13 in Rycroft.

The award recognizes top management and production abilities among sheep and lamb producers.

Sjoquist and Ljunggren operate a beef and sheep farm near Valleyview.

According to Alberta Agriculture regional livestock specialist Trevor Jones, they lambed 95 ewes during a 25 day season from February 13 to March 9. Some 150 lambs were raised to market weights from 115 to 120 pounds. All lambs were marketed at Lambco, and were trucked on scheduled shipments of the PRLA from May 25 to June 15.

"Katarina has the major responsibility for the sheep, with help as needed from her husband, Jonas, and their two boys," says Jones. "Lambs are weaned early on barley rations and ewes are grazed on electric-fenced pastures. The combination of electric fences and giant Schnauzer guard dogs has kept their coyote losses down to only one lamb and two ewes during their 10 years in production."

The couple will keep the master shepherd trophy for a year and then be given a replica to keep permanently.



Technician's Report

REPORT ON FEEDING

J & A Reti Custom Lamb Feeding
Taber, Alberta

RAM LAMBS VERSUS MIXED EWE AND WETHER LAMBS

In feeding lambs over the past 17 years we have never really kept track of the performance of ram lambs in the fall feeding period. This year we had 2 pens of custom lambs that were ram lambs; as a consequence we had to keep track of the feed and weight gains on these lambs.

The results, in my opinion, are very interesting. The 2 pens consisted of 40 ram lambs and 60 ram lambs. The average weights were 85 pounds and 84 pounds respectively.

Below is a table showing the performance of these 2 pens and another pen of lambs that was about average for the rest of the lot.

Table 1

Type of Lambs	Rams	Rams	Mixed Ewe/Wether
Number of Head/pen	40	60	201
Total Weight Gain	1200	1804	5590
Feed Conversion	7.93	6.85	5.277
Average Daily Gain	0.59	0.63	0.796
Cost per Pound Gain	0.3995	0.3537	0.2874
Cost/Head/Day	0.237	0.2238	0.2289

From the table it can be seen that the cost per head per day is of little difference, but that's about all that is close. If we average the 2 ram pens, and express the difference between the rams and the mixed ewes and wethers pen as a percentage we can start to see what ram lambs really cost the sheep industry.

Table 2

Type of Lambs	Ram Lambs	Mixed Lambs	Rams As % of Mixed
Number of Head/pen	100	201	
Total Weight Gain	3004	5590	
Feed Conversion	7.282	5.277	138%
Average Daily Gain	0.614	0.796	77%
Cost per Pound Gain	0.372	0.28	123%
Cost/Head/Day	0.2290	0.2289	100%

By dividing the ram pen figures by the mixed pen figures and multiplying by 100 we get the percentage in the last column. In other words, if the mixed pen figures are 100% the average feed conversion of the ram lambs is 38% poorer than the mixed pen, the average daily gain is only 77% of the mixed pen or 23% poorer, the cost per pound of gain is 23% more.

What does this mean to the lamb feeder?

1. If wether or ewe lambs cost \$10 each to finish to market weight, then ram lambs cost 23% or \$2.30 per head more. On this basis, if we are purchasing a 70 pound feeder lamb, we have to pay .328¢/lb under market price for ram lambs to equal the profit potential of the wether or ewe lambs.
2. This may not seem like a major difference, but there is also the enormous cost of separating ram lambs from wether and ewe lambs in the feedlot or, worse yet, feeding mixed pens of ram, wether and ewe lambs.

In Alberta it is very difficult at times to put together a pen of feeders without ram lambs; as a result there are usually at least a few rams or Russian castrates (short-scrotummed lambs) in every pen. If we assume 50% of a pen are ewe lambs, these lambs are going to come into heat every 18 or so days - assuming a 100 day feeding period that would be 5 heat periods. From observation ewe lambs are chased by ram lambs for at least 1 day each heat period; during this time the ewe lamb does not eat and most likely loses weight. The best thing to hope for is for the ewe lamb to become pregnant and stop cycling, but this usually doesn't occur until they reach 95 to 110 pounds near the end of the feeding period. It would be safe to assume that the average ewe lamb would likely have at least 3 heat cycles before she settles. If we had a pen of 200 lambs with half as ewe lambs we would lose (100 ewe X 3 days X \$0.22) \$66.00 worth of feed on the 100 ewe lambs in the pen. The second cost here is less obvious, but the fact that these ewe lambs are pregnant at time of slaughter will result in a poorer yield on these ewe lambs.

3. There is another very important cost involved with ram lambs. The market for ram lambs to my knowledge is limited to Lambco, and some eastern markets. In the last few years there have been times when we have received up to \$11.00 a cwt over the Canadian market by selling south. The American market will not take ram lambs. What this says to me is that the Americans know the cost of ram lambs, and they let the producer know in the market price. My hope is that we as Canadian producers will come to the same conclusion.

I have tried to demonstrate some of the real cost of ram lambs to the sheep industry. I would like to make only one recommendation to producers who will be selling feeder lambs and fat lambs after August 1st: Any ram lamb not intended for breeding born after the 15th of March should be completely castrated. In my opinion Russian castrated lambs cause the same problems as intact rams in the fall feeding periods.

Sheep Health Talks!

Cathy Gallivan
Sheep & Goat Specialist

Those of you who missed Dr. Norman Gates' presentations on January 5, 6, 7 missed out on a good opportunity to hear about the latest developments in sheep flock health. Some of the information I picked up which may be useful, especially to you new producers:

Lambing

1. If a ewe in late pregnancy stops eating she may or may not have pregnancy toxemia. You should treat her for it anyway (4-8 oz propylene glycol daily by mouth) because if she doesn't have it to begin with, she'll develop it as a result of not eating.
2. If you're seeing a lot of vaginal prolapses in your pregnant ewes, you may be asking them to take in too much of your low quality hay to meet their requirements. There's only so much room inside that ewe and late pregnancy is no time to be feeding a ration where the ewes have to eat 6 lb of hay each day! If you have tried to fix vaginal prolapses in the past using ewe-bearing retainers and found they didn't stay in, it may be your technique. After replacing the vagina using your clenched fist, maintain pressure on the vagina until the ewe finishes urinating. Leaving your hand in the vagina, use your hand as a guide to slide the retainer into position. Make sure the blunt end of the retainer is placed directly into the center of the cervix. This is the key to the retainer staying in place. Maintaining pressure against the retainer, remove your hand and tie the strings to the wool on the hips of the ewe. When finished, the retainer should be perfectly horizontal to the ground when the ewe is standing.
3. Clip + Dip - As soon as those lambs are born, clip the navel about 2 inches from the abdomen and totally immerse it in 7% iodine. Spraying iodine from a pump bottle is ineffective as it does not completely soak the entire navel. A small bottle (such as a spice jar) works well - lower the lamb's navel into the jar and then tip the jar up tightly against the lamb so the lamb's belly keeps the iodine in the jar.
4. Any lamb that hasn't nursed a ewe adequately by the time it is a ½ hour old should be given 2 oz of colostrum by stomach tube. This is enough to keep the lamb going until he figures out how to nurse for himself, but not so much it makes him go to sleep before learning how to nurse.
5. Claiming pens should be cleaned out and limed between ewes. Do not use the slightly soiled bedding from the claiming pens to bed your lambing ewes. It may be full of bacteria which can lead to mastitis in these ewes and/or scours in their lambs. Put this bedding where the sheep do not have access to it.

6. Scours - If you provide your ewes and lambs with a clean, dry environment, scours shouldn't be a problem. However, it happens to all of us at some time, and regular careful observation of your lambs will help you to detect it before a lamb is so far gone you can't save it. Spectinomycin is one antibiotic which is effective against most of the organisms which cause baby lamb scours. Electrolytes may also be necessary for severely dehydrated lambs.
7. A vaccine has recently been developed in Scotland which, when administered to pregnant ewes, protects the ewe from mastitis and her lambs from pneumonia! More information on this vaccine as we receive it!
8. Pneumonia - An airtight barn is not the key to preventing pneumonia in your lambs. Lambs can withstand low temperatures if they're getting enough milk. What they can't stand is being in a barn where it's raining from the ceiling because you locked all the sheep in without adequate ventilation. Remember to provide your lambs with a clean dry place to sleep - you can't spend too much on bedding at this time of year! Oxytetracycline (5 mg/lb body weight), given intramuscularly for 5-6 days is usually effective against pneumonia.
9. It's important to keep checking your lambs even after they're out of the claiming pen - they're not out of the woods yet! Look for lambs suffering from starvation, pneumonia and/or coccidiosis.
10. Coccidiosis - best way to prevent it is by mixing 2 lb of either Bovatec (lasalocid) or Deccox (decoquinate) with 50 lb of salt. Feed this mixture free-choice to the ewes starting one month before lambing to reduce contamination of the environment by the ewes. Continue feeding to the ewes and lambs until weaning. At this time you can discontinue feeding it to the ewes. Continue to provide it to the lambs until they go to slaughter.
11. Remember that coccidiostats, vaccines and antibiotics are not a replacement for good management - adequate feed, a clean dry environment and colostrum.

Flock Health

1. To reduce your chances of ever having to live through an "abortion storm", ewes should be vaccinated with a combined EAE (enzootic abortion of ewes) - Vibrio vaccine yearly.
2. Caseous lymphadenitis - The CL vaccine (Glanvac) which is now available in Canada (your vet can get it for you from Vetrepharm Inc) will help to prevent CL in your flock. Although it performs some of the same functions as the 8-way or 7-way vaccines which (I hope!) you now use on your sheep, the vaccine does not contain Clostridium perfringens Type C, which causes death from hemorrhagic enterotoxemia in very young lambs. For this reason, the CL vaccine cannot be substituted for your 8-way or 7-way vaccine. If you want to use the CL vaccine, you should continue your regular 8-way program.

3. Ovine Progressive Pneumonia (Maedi - Visna) - This disease costs you money! The virus which causes it is also responsible for hard udder syndrome. There is presently no cure or vaccine for OPP. A blood test is available in Montana (more information in February Sheep Footnotes) for producers who wish to identify and cull ewes with OPP. In the meantime, ewes who exhibit hard udder syndrome should be culled!
4. Footrot - Culling animals with chronic footrot or deformed feet is an effective first step in a footrot eradication program. Footsoaking (8 lb zinc sulfate/10 gallons of water) for $\frac{1}{2}$ - 1 hour is an effective treatment but feet must be trimmed first. The footrot vaccine (Footvax) and regular walk - through footbathing are useful treatments which will also help prevent the spread of footrot within the flock.
5. Internal Parasites - The best (and most expensive!) treatment is ivermectin (Ivomec), which is available in Alberta as a liquid drench for sheep. Fenbendazole (Panacur) and levamisole phosphate (Tramisol, Ripercol) are less expensive, but also very effective wormers.
6. External Parasites - Fenvalerate (Ectiban) which is licensed for use on sheep in the U.S. but not in Canada is effective on sheep keds, nasal bots and both biting and sucking lice. It is safe enough to use on both pregnant ewes and baby lambs. This product may be licensed for use on sheep in Alberta by the end of the year.

Note: Some of the treatments recommended by Dr. Gates are licensed for use on sheep in the U.S. but not in Canada. Producers have a responsibility to consumers and to our red meat industry to ensure that proper withdrawal times are observed to prevent drug residues from ending up in meat for human consumption. For further information on availability and use of these treatments, contact your veterinarian.



... She's not gonna wake up son, - she's achieved her life's ambition now ...

WHAT'S NEW IN P·U·B·L·I·C·A·T·I·O·N·S

VOLUME 12, NUMBER 1
January 1987

The following publications are now available from Alberta Agriculture, Print Media Branch, Main Floor, 7000 - 113 Street, Edmonton, Alberta, T6H 5T6.

ALBERTA AGRICULTURE PUBLICATIONS

Agdex Number

- | | |
|-------------|--|
| FS112/33-19 | Varietal Description of Conway Spring Wheat. 1986. 4 pages.
"Agri-Fax." |
| 113/20-2 | Oats Production in Alberta. 1986. 12 pages. |
| FS113/33-11 | Varietal Description of Riel Oats. Revised 1986. 4 pages.
"Agri-Fax." |
| FS114/33-26 | Varietal Description of Duke Six-Row Spring Barley. 1986. 2 pages.
"Agri-Fax." |
| FS114/33-27 | Varietal Description of Deuce Two-Row Spring Barley. 1986. 3 pages.
"Agri-Fax." |
| FS114/33-28 | Varietal Description of Ellice Two-Row Spring Barley. 1986. 5 pages.
"Agri-Fax." |
| FS120/32-1 | Varieties of Annual Forage Crops for Alberta 1987. Issued 1987.
4 pages. COUNTRY GUIDE insert January 1987. |
| FS258/635-4 | Blackleg of Potatoes. Revised 1986. 3 pages. "Agri-Fax." |
| FS420/22-1 | Calving. Revised 1987. 4 pages. "Agri-Fax." |
| 420/662-6 | Alberta Preconditioned (Calf Program) Worksheets. 1987. 4 pages. |
| FS655-2 | Tapeworms in Dogs. 1986. 3 pages. "Agri-Fax." |
| FS655-3 | Eyeworm, <u>Thelazia lacrymalis</u> in Horses. 1987. 2 pages. "Agri-Fax." |
| FS753-2 | Chemical Injection in Irrigation Systems. Revised 1986. 4 pages.
"Agri-Fax." |
| FS753-4 | Water Hammer Considerations in Irrigation Pipelines. 1986. 2 pages.
"Agri-Fax." |
| FS753-5 | Valves for Irrigation Pipelines. 1986. 3 pages. "Agri-Fax." |
| FS815-2 | Planning with Crop Choice Worksheets. 1986. 4 pages.
COUNTRY GUIDE insert December 1986. |
| 843-5 | Impact of Reforms to the Statutory Rates on Trucking. 1986. 47 pages. |

1987 ALBERTA RAM TEST STATION NOTICEOLDS COLLEGEENTRY DATES

February 18
 March 4 & 18
 April 1

You are invited to enter ram lambs into this year's station test. See attached regulations for details.

VETERINARY INSPECTION: (New Contributors)
 Please, as soon as you have decided to enter rams into this year's station test, contact Station Manager, John Knapp (948-5101) so the pre-entry veterinary inspection can be arranged.

PLEASE FILL IN AND MAIL THE ATTACHED ENTRY FORM AS SOON AS POSSIBLE

1987 ALBERTA RAM TEST STATION REGULATIONSA. ELIGIBILITY

- 1) Any sheep breeder may enter purebred ram lambs which are registered or eligible for registration. Ewe lambs will not be accepted on test.
- 2) All ram lambs born in the fall of 1986 or later will be eligible for test.
- 3) All out-of-province contributors will be required to submit a flock health certificate signed by a qualified veterinarian. This certificate must be obtained from:

Dr. Ralph Shute
 Alberta Agriculture
 7000 - 113 Street
 Edmonton, Alberta
 T6H 5T6 (403) 436-9343
- 4) Any contributor may be subject to a flock health inspection at the discretion of the station management.
- 5) All rams will be carefully inspected on arrival at the station and may be refused entry for health reasons.
- 6) All rams must have their feet trimmed prior to delivery. Rams whose feet have not been trimmed will be refused entry.
- 7) It is recommended that all lambs be vaccinated for enterotoxemia at least two weeks prior to delivery.
- 8) Rams which pass the veterinary inspection on arrival will immediately be:
 - a. weighed
 - b. eartagged with a test station identification number
 - c. fecal sampled
 - d. dewormed (Ivomec)
 - e. administered an 8-way clostridial vaccine, soremouth vaccine, and hemophilus somnus vaccine
 - f. footbathed (zinc sulphate)
 - g. 5 days after entry lambs will receive an injection of long-acting oxytetracycline
- 9) During the early stages of the test all rams will be:
 - a. blood-sampled for brucella ovis
 - b. vaccinated again, with 8-way, sore-mouth and two hemophilus boosters

10) All lambs will be sheared after the last group is off test and before the cull for physical defects.

11) Following the completion of test, a performance report will be issued which will include:

- a. actual on-test weight of each lamb
- b. actual off-test weight of each lamb
- c. average daily gain on test of each lamb (indexed)
- d. ultrasonic backfat measurement of each lamb (G.R. site)
- e. wool quality
- f. overall within-breed performance evaluation

12) Lambs will be ranked on the basis of A.D.G. index and the sale catalogue will be published on this basis.

13) Visitors to the test station while lambs are on test are encouraged, but interested persons are advised to contact Barry Wilson (556-8202) prior to their arrival.

14) No animal will be released from the station prior to the end of test without permission of the station manager. The manager reserves the right to reject any animal during the test and request the owner to remove it from the station.

B. HEALTH REGULATIONS

1) Sheep which come from a blue tongue area as defined by Agriculture Canada will not be accepted.

2) Prior to accepting lambs on test, all new contributors' flocks must be inspected and found free of communicable disease or condition potentially dangerous to the health of other animals at the station. The inspection will be made by a veterinarian named by the Veterinary Services Division, Alberta Agriculture.

(NOTE: In 1987, rams with clinical evidence of soremouth will not be accepted.)

C. TEST CONDITIONS

1) Lambs are to be delivered to the test station by the breeder or his representative on either February 18, March 4 & 18, or April 1, 1987, between the hours of 10:00 a.m. and 1:00 p.m. At delivery, live weight of each lamb must be between 22.7 kg (50 lbs) and 34.1 kg (75 lbs) for Suffolk and Hampshire breeds and 20.5 kg (45 lbs) and 31.8 kg (70 lbs) for other breeds. NOTE: There are no limitations on the number of lambs a breeder may enter on test. However, if pen space becomes a problem, those breeders entering more than 10 rams may be required to limit their entries.

2) At the time lambs are delivered to the station, contributors must submit completed application for registration and completed transfer forms for each lamb. If these are not received before the end of test, the animal will not be eligible for entry into the test station sale.

3) All lambs must be tattooed prior to arrival.

4) All lambs entered will be fed in groups governed by the following:

- a. lambs from each entry date will be kept separate
- b. large and small breeds will be kept separate where possible

5) Following a 14-day adjustment period, all lambs will commence an official 56-day performance test. They will be weighed on-test and every two weeks thereafter. On-test and off-test weights will be an average of two consecutive days.

6) All lambs will be fed a pelleted complete ration, free choice, and hay.

7) Salt and mineral will be available free choice.

8) Each pen shall have individual feeders and automatic waterers.

- 9) All lambs will have their feet trimmed as required.

entering rams on test shall pay for the feed and extra veterinary expenses only.

D. GENERAL

- 1) The Alberta R.O.P. Sheep Advisory Committee reserve the right to make all decisions regarding the ram test station.
- 2) The Committee consists of the following:

- 2) There shall be a \$40 fee per lamb entered on test; half will be payable upon reservation of pen space, and the remainder payable upon delivery to the station. If the feed and veterinary expenses exceed \$40 per lamb, an additional charge will be made upon completion of test. If the expenses per lamb are less than \$40 the difference will be refunded.

- Mr. Stu Eagles - Agriculture Canada Representative
- Mr. Carl Rose - Buyer Representative
- Mr. Brian Murray - Alberta Sheep & Wool Commission Representative
- Mr. Alvin Robbins (S.Alta.) - Contributor Representative
- Mr. Reg Marler (N.Alta.) - Contributor Representative
- Mr. Ross Gould (Chairman) - Alberta Agriculture Representative
- Dr. Ralph Shute - Veterinary Services Division Representative, Alberta Agriculture
- Ms. Sue Hosford - National R.O.P. Committee Executive Representative
- Ms. Cathy Gallivan (Secretary) - Alberta Agriculture Representative
- Mr. John Knapp - Home Test Coordinator & Test Station Manager - Alberta Agriculture Representative

OUT-OF-PROVINCE BREEDERS

Since Alberta Agriculture is subsidizing the test station and sale to the level of approximately \$40 per animal, contributors from outside the province will be required to pay an additional \$40 per animal above the aforementioned fee.

- 3) For a premium of \$5/ram, contributors may insure their rams against death loss between the time of entry and the fall of the hammer. Payout will be determined by dividing the number of insured rams which die into the total collected premium. Payout shall not exceed \$150/head. Any surplus in collected premiums will be refunded each year to contributors who purchase this insurance.
- 4) Cheques or money orders for fees should be made payable to Olds College.
- 5) All fees connected with the test station must be paid before animals are released.

F. TEST FEES

- 1) Alberta Agriculture will provide the test station, the required manpower, facilities, inspection, technical assistance and supervision. Breeders

RULES AND REGULATIONS GOVERNING SALE OF SHEEP

CONTRIBUTORS RESPONSIBILITY

Entries for the ram sale will be received only from persons who have entered sheep in the Ram Test Station at Olds College in 1987.

All animals entered for sale shall be inspected by a Culling Committee and shall be subject to rejection if found unsatisfactory in any way.

The cost of transferring the animal when sold to the purchaser must be paid by the seller and the actual transfer paperwork is also the responsibility of the seller.

All rams entered for sale shall be docked.

All animals offered for sale must have been owned by the contributor at least 60 days prior to the sale.

Every animal offered for sale must be in sound health and free from physical defects.

All rams will be shorn prior to sale.

BREEDING GUARANTEE

Contributors to this sale guarantee that, subject to proper treatment, with care and exercise, all animals are warranted for a period of 6 months following the sale to be breeders. In case an animal proves to be a non-breeder, and providing the purchaser notifies the contributor within 6 months and proves his case, the contributor shall make adjustment and shall have the opportunity of selecting one of the following options:

- 1) refund one-half the purchase price
- 2) take the animal back and supply one of equal value contributor paying the transportation charges on the animal returned and the purchaser paying transportation charges on the replacement animal.

- 3) take the animal back, paying transportation charges on same and refunding total purchase price

The seller shall have the right, if he so desires, to try a ram for 30 days before making final adjustments to determine the ram's usefulness or lack of usefulness as a breeder.

Any contributor refusing to make adjustments of claims approved by the Advisory Committee may be refused the privilege of future sales held by the R.O.P. Committee.

For a premium of \$20, buyers may insure rams for a 30 day period following the sale. Insured value shall be deemed the lesser of purchase price or \$300.

ORDER OF SALE FOR SHEEP

The ram with the highest A.D.G. will be sold first. Thereafter rams will be sold in descending order of index.

For human health reasons, rams which are otherwise eligible for sale which have active soremouth on sale day will not be available for viewing and/or handling in the sale barn prior to the sale. These rams will be sold through the sale ring after the soremouth-free rams.

Every care will be exercised by the Station Management to prevent injury to or loss of property, and to ensure the prompt collection and delivery of animals to the proper destination, but the Station Management, acting as a medium between buyer and seller, will not be responsible for any loss or damage whatsoever that may occur.

All purchases must be settled for during or immediately after the close of the sale. Buyers are particularly requested to note this rule.

At every sale, each bid shall be an offer by the person making the same to purchase the animal put for sale, and such offer shall be deemed accepted by the fall of the hammer of the Auctioneer, and there upon a contract of sale shall be created.

No purchaser shall retract a bid after the hammer falls.

The purchaser must file with the Station Management and the contributor within 6 months of the date of sale, a protest or affidavit that the animal is a non-breeder.

All animals entered for sale must be identified in accordance with the requirements of the Canadian National Livestock Records. Tattoo and tags must correspond with the pedigree.

Immediately after each purchase is declared and the animal removed from

the sale ring to the pen by the seller, the risk thereof shall be exclusively with the purchaser, and until such settlement is made in terms of these conditions, the delivery of the animal or animals shall not be made.

Before an animal can be removed from the building, the buyer must present to the pavilion doorman an order signed by the clerk and give a receipt for the animal. This order must be left with the pavilion doorman and will be evidence of the delivery of the stock. Owner of animals that have been passed through the ring or have not been sold should procure an order from cashier's office before taking them out of the grounds.

Alberta Agriculture and/or Olds College shall have the power to give receipts in full, for all payments on stock and will remit the amount realized, less the proper charges for each animal, to the seller thereof, as quickly as possible after the sale.

STATION MANAGEMENT

The Station Management will act as Agent only.

It is to be clearly understood that the Station Management is only acting as a medium between buyer and seller and is not in any way responsible for any failure on the part of either party to live up to his obligations. Neither does the Station Management assume any financial obligation to collect or enforce collection of any monies between parties, and any legal action that may, in exceptional cases, be taken, must be between the buyer and seller themselves.

In all cases however, the influence of the Station Management will be exerted,

as far as possible, to hold all parties strictly to these regulations.

The Station Manager shall have the power to reject any entry.

The Station Management reserves the right to decide any point not covered by the rules but necessary in the proper regulation and management of the sale.

The Station Management acts as agent only, and is responsible to the seller only for the proceeds of the sale when received.

All fees connected with the Ram Test Station must be paid before any animal is released.

ALBERTA RAM TEST STATION & SALE - 1987

(APPLICATION FORM)
(Please Print)

NAME: _____

PHONE: _____

ADDRESS: _____

POSTAL CODE: _____

ANIMALS TO BE ENTERED:

ENTRY DATE	NUMBER OF RAMS	BREED

It is hereby understood that all lambs submitted by me to the Alberta Ram Test Station - 1987, and the Alberta Ram Test Station Sale - 1987 are at my risk, and that neither Alberta Agriculture, Olds College, nor any persons employed by them will be liable in the event of death, sickness or injury to animals entered into the above programs. I consent to the publishing of data relating to the performance of rams which I enter.

I have read and agree to abide by the regulations of the test station and sale.

NOTE: This year pedigree information in the catalogue will be extended to include grandsires and granddams of animals offered for sale. Please present this information as well as applications for registration and transfer when you enter rams.

SIGNED: _____
(Contributor)

Please return this form immediately with a \$20 deposit per ram to:

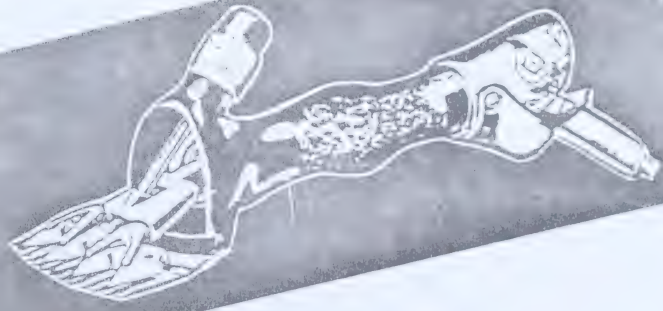
John Knapp
Sheep Specialist
Alberta Agriculture
Bag Service #1
Airdrie, Alberta T0M 0B0
Phone (403) 948-5101

MAKE CHEQUES PAYABLE TO
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ZenFlex

PROFESSIONAL SHEEP SHEARING



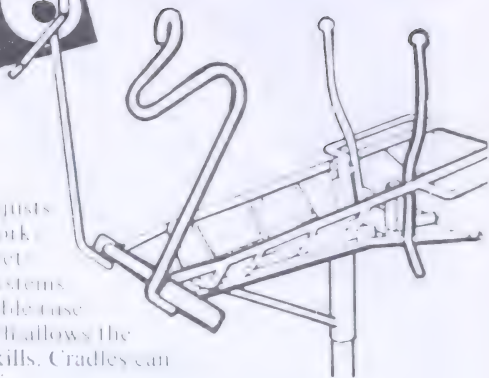
TOP QUALITY GUARANTEED
SHEARING SMALL & BIG FLOCKS
AVAILABLE AT ANY TIME
WILL CONSIDER TO BUY WOOL
SUPPLYING SACK & TIES

NEW PHONE NUMBER!
782-5136 OR 782-LAMB

HAYES SELF-HOLDING LAMB CRADLE

© 476

Controlling a Lamb has never been easier. Hayes have made the cradle that adjusts automatically to fit all lamb sizes, holds them firmly and safely while you work, then releases them so they land upright on their feet. The cradle revolves to let you work round the animal without moving. There are alternative support systems (from a simple pipe set in the ground, a Twin-mounting Bracket with work table/race (as a searing board) between, up to the Multi-unit, four station assembly which allows the job of lamb marking to be shared by several people with a variable range of skills. Cradles can be supplied with searing boards fitted (Cat at 476/483). Welded steel construction.



- 1 *Set the cradle in the open position & holding the lamb upside down by the hind legs*
- 2 *place it in the cradle. Hook the leg holders over the hind legs and close them down so*
- 3 *they retain the lamb firmly and comfortably. In this position the lamb can be*



- 4 *inspected and worked upon with a minimum of fuss, with little stress to the animal.*
- 5 *The cradle revolves so all angles have access without you having to move.*
- 6 *To release the lamb the cradle is lifted over and the lamb is set upright on its feet*



**Lamb Acres
Farm Supply**
Ab & Eva Gorrill



The Classifieds

FOR SALE: 1 sheep squeeze tipping table. Like new. \$200.00. F. Godberson, Box 208, Barrhead, phone 674-5775 (1)

FOR SALE: 40 Suffolk Cross ewes. Excellent condition. 2-6 years old. Bred to lamb in March to registered sires. Will sell in parcels of 10. Pat de Rosemond, Box 656, Carstairs, TOM ONO, phone 337-2800 (2)

FOR SALE: Good quality Suffolk and Suffolk cross ewes and ewe lambs. Production records available. Kure and Cunningham breeding. Jeff Lamb at Lamata Farms, R R #1, Didsbury, TOM ONO, phone 637-2557 (evenings) or 270-7888 (days) (2)

FOR SALE: 14 head of experienced ewes, predominantly Rambouillet X Suffolk. Bred to test station Suffolk rams to lamb in April-May. Wormed and vaccinated regularly, minimal disease flock. Also: October-November born ewe lambs will be ready for sale in February-March. Mostly 1/4 Rambouillet, 3/4 Suffolk, ROP records. Deb & Ian Clark, Medicine Ridge Farm, Bentley, TOC QJO, phone 748-2624 (2)

FOR SALE: Registered Angora bucks. 1-2 years old. Mary & Chris Clennell, Stony Plain, phone 963-4450, after six (2)

FOR SALE: Registered Australian cattle dogs. Blue pups available now. Occasionally older stock. Reasonably priced. Guaranteed workers. Betty Rath, Box 591, Medicine Hat, T1A 7G5, phone 893-2363 (2)

WANTED TO BUY: Bred ewes, crosses, etc. M. Bonner, Box 2230, Vermilion, TOB 4M0, phone 853-5855 (2)

WANTED TO BUY: Gentle Appaloosa filly or mare. Reasonably priced. Betty Rath, Box 591, Medicine Hat, T1A 7G5, phone 893-2363 (2)

FOR SALE: Feed and bedding straw, 80¢ per bale. Dennis Pasichney, Redwater, phone 942-4537 (2)

DON'T GIVE YOUR WOOL AWAY. Upgrade it and make money. We can wash and card your wool into large 36" batts and will return the wool C.O.D. by mail if you wish. We also card mohair and do colour blending. Shirley Wilkinson, Woolacombe Wool, 51109 Range Road 205, Sherwood Park, phone (Tofield) 662-2007 (1)


CUSTOM WOOLEN MILLS - Your complete processing facility. Full range of custom services, including washing of wool and other fibres, dyeing, carding, twisting, spinning, and custom sewing. Ask about our Sheep & Wool Marketing Kit. For more information please contact Custom Woolen Mills, R R #1, Carstairs, TOM ONO, phone 337-2221 (1)

EXPERIENCED NEW ZEALAND SHEEP SHEARER. Also Angora Goats and Fencing. Contact Nick Richardson, Box 896, Okotoks, phone 938-5242 (1)

CLIPPER BLADE SHARPENING - Fast, efficient same day service. Baldes sharpened the right way. \$5.00 each plus postage/shipping. Contact B or D Jones, The Professional Edge, 265 - 52307 Range Road 213, Sherwood Park, T8G 1C1, phone 922-5447 (2)

"SHEEP-EZEE SYSTEMS", Phil's Custom Farming and Welding, Crossfield, TOM OSO, phone 946-5367 (2)

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Vilna, Alberta
T0A 3L0

Richard C. Scoffom
President
Phone: (403) 636-2074



EDITOR'S NOTE

Classified Ads and Coming Events may be placed in Sheep Footnotes free-of-charge by contacting:

Cathy Gallivan
 Sheep & Goat Specialist
 7000 - 113 Street
 Edmonton, Alberta
 T6H 5T6

Ph: (403) 427-5077

John Knapp
 Sheep Specialist
 Bag Service #1
 Airdrie, Alberta
 TOM OBO

Ph: (403) 948-8517

The deadline for Classified Ads and Coming Events is the last day of the month prior to the month of publication.

Coming Events will be run every month from when they are placed until the event. Please Note: Events should be placed in Coming Events at least 6 weeks in advance in order to ensure their publication before they occur.

Classified Ads will run initially for two months, unless cancelled after the first month. After the first two months, ads may be renewed each month by contacting Janet Smalley at 427-5077. Ads must not exceed two column inches in length or they will be edited. Full page ads will be run for one month. If you want your full page ad condensed into a Classified Ad for the next two months, please indicate this when you send in the ad. Sheep Footnotes reserves the right to restrict the length, content and run of any Classified Ad.



AL 1.617

sheep footnotes



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Editor: Cathy Callivan
 Sheep & Goat Specialist
 Beef Cattle & Sheep Branch
 7000 - 113 Street
 Edmonton, Alberta
 427-5077

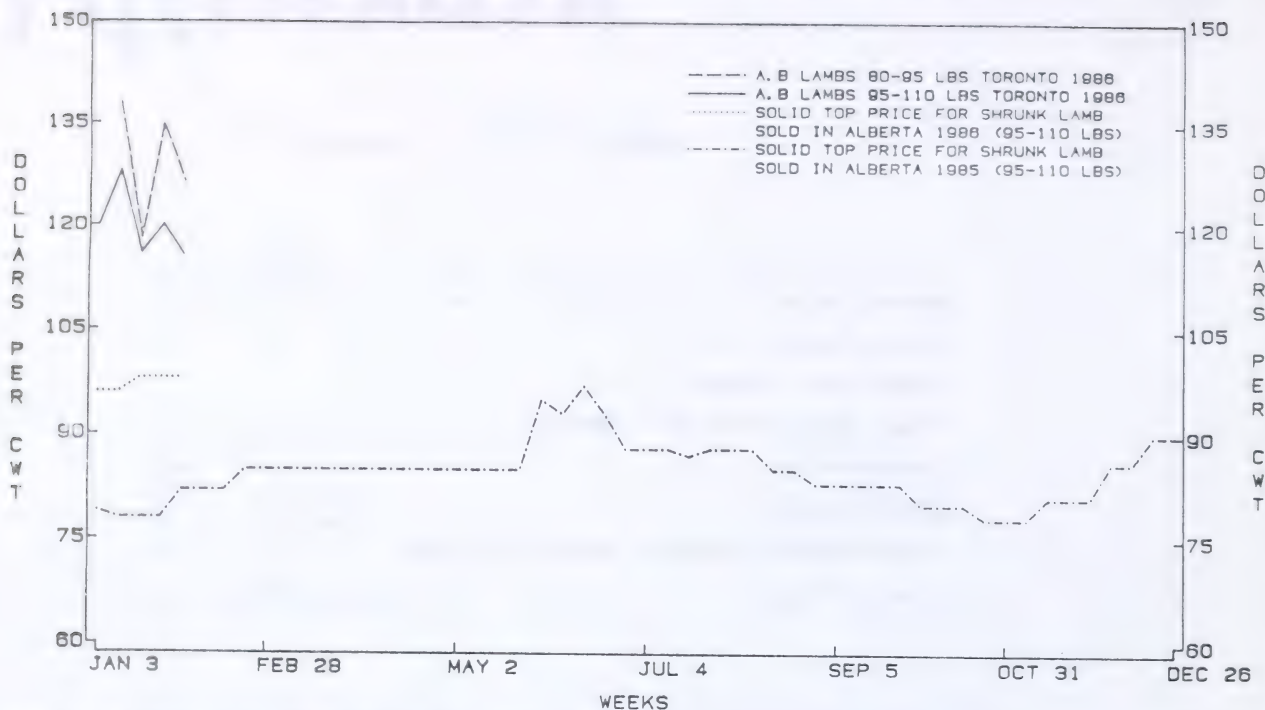
Advertising: Janet Smalley
 Beef Cattle & Sheep Branch
 7000 - 113 Street
 Edmonton, Alberta
 427-5077



Animal Industry Division
 Beef and Sheep Branch

MARKET REPORT

WEEKLY AVERAGE SLAUGHTER LAMB PRICES



NOTE: NO OR INSUFFICIENT SALES FOR CERTAIN WEEKS IN TORONTO

The market for good quality slaughter lambs traded upwards on good demand throughout January. Average prices for 95-110 lb lambs ranged from \$94.20 to \$97.20 per cwt. These prices represent record high levels for good slaughter lambs in Alberta. Previous record prices were set in mid-June, 1986 when good lambs at Lambco were selling for \$94.00 to \$97.00 per cwt. Lambco slaughter volumes were light in January with supplies coming mainly from Alberta feedlots. Residual supplies were imported from the US to maintain the volumes needed to meet market requirements.

Toronto markets also traded strong during January with 95-110 lb good lambs averaging \$119.88 per cwt over the month. This is up from the December, 1986 monthly average price of \$107.34 and year ago average prices of \$96.23 per cwt. Lighter lambs at the Toronto Public Stockyards traded on light volumes and active buyer demand. Monthly prices averaged \$133.21 per cwt in January. Year ago prices were \$99.79 per cwt on a volume of 781 head of 80-95 lb lambs.

Price support for the next several months is indicated by the tight supply of local lambs. As our dollar gains strength compared to the US dollar the relative price of imports will be more attractive to Canadian buyers. Pressure from the American market could limit major price gains for Alberta lambs, however, until local supplies are increased with new crop lambs, prices are not expected to loose any ground.

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT LAMBCO

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON						
Jan 1987	93.00-96.00	93.00-96.00	95.00-98.00	95.00-98.00	95.00-98.00	94.20-97.20
PAST MON						
Dec 1986	83.00-86.00	83.00-86.00	87.00-90.00	87.00-90.00	---	85.00-88.00
THREE MONTHS AGO MON						
Jan 1986	76.00-79.00	75.00-78.00	75.00-78.00	75.00-78.00	79.00-82.00	76.00-79.00
VOLUMES						
Jan 1987	1,266	1,452	1,115	1,220	958	1,202
Jan 1986	1,260	1,488	1,448	1,222	1,289	1,341

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT TORONTO PUBLIC STOCKYARDS
(With Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	118.00-123.00	117.00-134.00	108.00-120.00	115.00-122.00	110.00-122.00	
Jan 1987	(120.12)	(128.01)	(115.95)	(120.01)	(115.65)	119.88
PAST MON	105.00-117.00	98.00-107.00	100.00-124.00	NEP	---	
Dec 1986	(111.77)	(102.26)	(107.43)	---	---	107.34
THREE MONTHS AGO MON	90.00-95.00	89.00-102.00	89.00-100.00	86.50-100.00	106.00-109.00	
Jan 1986	(93.42)	(95.15)	97.24	97.22	107.42	97.11
Jan/87 VOLUMES	92	99	141	91	89	512
AVERAGE WEIGHT	100.6 lb	101.3 lb	103.9 lb	101.8 lb	103.1 lb	102.1 lb

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 80-95 LBS TORONTO PUBLIC STOCKYARDS
(Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	NEP	127.00-145.00	107.00-123.00	122.00-139.00	120.00-135.00	
Jan 1987		(138.03)	(118.10)	(134.89)	(126.40)	133.21
PAST MON	111.00-126.00	101.00-123.00	101.00-122.00	106.00-123.00	---	
Dec 1986	(117.35)	(110.59)	(110.58)	(108.23)	---	112.89
THREE MONTHS AGO MON	90.00-98.00	94.00-114.00	90.00-101.00	88.00-107.00	105.00-118.00	
Jan 1986	(92.09)	(104.21)	(95.96)	(99.88)	(113.94)	99.79
Jan/87 VOLUMES		92	50	86	100	328
AVERAGE WEIGHT	lb	87.6 lb	87.5 lb	85.9 lb	90.4 lb	87.9 lb

Prices quoted for 95-110 lb lambs are bid prices at Lambco and auction prices at Toronto Public Stockyards for good quality lambs. The lower end of the Alberta price range reflects bids for short haul or unshrunk lambs while the upper end of the range represents bids for long haul or shrunk lambs. Producers delivering to the Toronto Public Stockyards pay commission and yardage fees for each animal sold. Producers delivering to Lambco pay \$1/head checkoff to the Alberta Sheep and Wool Commission.

The Toronto auction price is from the Special Sheep and Lamb Sale held on Monday each week.

N.E.P. - No established price

Marilyn Johnson, Market Analyst
Market Analysis Branch
Phone: (403) 427-4002
February 5, 1987

MARKET

** REPRESENTATIVE LIVE SALES **
JANUARY 23, 1987

ARPA	TYPE OF SHEEP	TYPE OF SALE	NUMBER	WEIGHT	WEIGHING CONDITIONS	PRICE (\$/cwt)
SOUTHWEST						
Arizona	Spring	Direct	50,000	95-105	Apr. del., woolled, FOB 4% shrink	78.00
California	Spring	Direct	10,000	100-115	Apr.-June del., woolled, FOB 4% shrink	78.00
California	Old Crop	Auction	100	100-130	Choice & prime, woolled & shorn	75.00-76.25
California	Feeder	Auction	300	70-100	Choice & fancy, woolled	76.00-83.00
California	Sl. Ewe	Auction	300		Cull & utility	20.00-25.00
MOUNTAIN						
Colorado	Feedlot	Direct	750	115-125	120lb. wt. break, woolled & shorn, FOB 4%	76.00
Utah	Feedlot	Direct	450	115-125	Choice & prime, woolled, FOB overnight	72.50
Montana	Feedlot	Direct	750	115-125	Guarantee 51% yield, No. 2 pelts	76.30
Colorado	Feeder	Auction	471	82	Choice & fancy, woolled	88.00-91.00
Montana	Feeder	Auction	200	60-80	Choice & fancy, woolled	79.00-83.25
Montana	Feeder	Auction	250	80-90	Choice & fancy, woolled	78.50-81.50
Montana	Feeder	Auction	250	90-100	Choice & fancy, woolled	74.50-77.25
Montana	Feeder	Auction	300	100-120	Choice & fancy, woolled	73.00-75.00
New Mexico	Feeder	Auction	200	67	Choice & fancy, woolled	90.50
New Mexico	Feeder	Auction	200	80-120	Choice & fancy, woolled	78.00-81.00
New Mexico	Feeder	Direct	1,100	81-90	Choice & fancy, woolled, FOB overnight	90.00
SOUTH CENTRAL						
Texas	Feedlot	Direct	8,000	90-120	Guarantee 51% yield, shorn	77.00-78.00
Texas	Feedlot	Direct	8,000	90-110	Choice & prime, shorn, FOB 4% shrink	78.00-80.00
Texas	Old Crop	Direct	1,000	110-150	Club lambs, shorn, FOB 4% shrink	75.00-77.00
Texas	Feeder	Auction	200	70-80	Choice & fancy, woolled	86.50-91.50
Texas	Feeder	Auction	300	80-100	Choice & fancy, woolled	83.50-89.00
NORTH CENTRAL						
Nebraska	Feedlot	Direct	400	125-135	Choice & prime, shorn, FOB 4% shrink	78.50
Iowa-S. Minn.	Old Crop	Direct	1,500	115-125	Choice & prime, shorn, FOB 4% shrink	78.00-80.00
Iowa-S. Minn.	Old Crop	Auction	1,000	115-120	Choice & prime, woolled, FOB 4% shrink	77.00-78.00
N. Dakota	Old Crop	Computer	400	110-125	120lb. wt. break, shorn, 3% shrink	78.00
Wisconsin	Old Crop	Computer	400	110-120	120lb. wt. break, \$2 woolled disc., 3% shr.	78.50
Minnesota	Old Crop	Auction	600	105-125	Choice & prime, woolled	76.00-78.00
Minnesota	Old Crop	Auction	350	105-125	Choice & prime, shorn	78.00-80.00
Minnesota	Old Crop	Computer	400	115-125	125lb. wt. break, \$2 woolled disc., 3% shr.	79.00
S. Dakota	Old Crop	Auction	500	100-125	Choice & prime, woolled	77.75-79.75
S. Dakota	Feeder	Auction	200	110-125	Choice & fancy, woolled	74.00-75.00
S. Dakota	Feeder	Auction	500	85-110	Choice & fancy, woolled	79.75-83.00
S. Dakota	Feeder	Auction	200	60-70	Choice & fancy, woolled	95.00-101.00
Minnesota	Feeder	Auction	300	60-90	Choice & fancy, woolled	85.00-90.00
Minnesota	Feeder	Auction	200	90-100	Choice & fancy, woolled	80.00-85.00
S. Dakota	Stock Ewe	Auction	100		Short term, 2/15 lambing (per hd.)	91.00-93.00
S. Dakota	Stock Ewe	Auction	100		Solid mouth, 2/15 lambing (per hd.)	98.00-106.00
EASTERN						
Michigan	Feedlot	Direct	400	115-125	120lb. wt. break, Mar. del., FOB 4% shr.	76.00
Ohio	Old Crop	Auction	300	110-130	Choice & prime, woolled	73.00-74.00
Ohio	Old Crop	Auction	400	100-130	Choice & prime, shorn	77.00-77.50
Ohio	Feeder	Auction	200	75-100	Choice & fancy, woolled	80.50-81.50

** WOOL UPDATE **

The domestic wool trade continues to be slow with only limited quantities available. The first ewe clip of the season from Arizona sold last Friday for 84.25 cents grease FOB. There was 50,000 pounds in the clip with a grade of 64/62's. Last year the price for this clip was 72.4 cents. The yield on this wool is expected to be in the mid-40's. A small amount of barn shearing continues in the Midwest and around the Belle Fourche area.

In South Africa total of 22,085 bales were offered of which 99 percent were sold. Prices were up to 2.5 percent higher for 20 micron fleeces and locks and 1.5 percent higher for 23 micron and 25 micron fleeces as well as for bellies. 21 and 24 micron fleeces were unchanged while 22 micron fleeces were 2.5 percent lower. Lambs wool was quoted 1 percent lower compared with last week. Competition was considered to be good. The merino selection consisted of 67 percent long wool, 19 percent medium and 6 percent short.

Australian wool auctions continued on their upward trend with the market indicator up 6A cents per kilo to 607A cents (182.65 cents per pound). A total of 77,242 bales were offered with excellent clearance. AWC purchases were zero, the second time this has occurred in as many weeks. Japan, China and Western Europe provided good competition for all types of wool. Price increases on 24, 25; 27, 28 and 30 micron categories ranged from 2-4A cents. 22 and 26 micron wools averaged 6A cents higher while 20 and 21 micron categories were 8A and 9A cents higher respectively. Carding styles continued to be very strong with merino cardings 13A cents and crossbred cardings up 9A cents.

AWC stocks were keenly sought with sales exceeding 25,000 bales for the week. The inquiry for 24-26 micron wools were noticeable. AWC stocks now stand at 843,296 bales.

A total of 127,500 bales will be offered at four sales next week.



Coming Events

1987

- February 18 Entry date for the Ram Test Station. You are invited to enter ram lambs into this year's station test. As soon as you have decided to enter rams into this year's station test, please contact Station Manager, John Knapp (948-8517) so the pre-entry veterinary inspection can be arranged where required.
- February 18 Coyote Predation Control Workshop, 1:00 P.M., I.O.O.F. Hall, Innisfree.
- February 21 Goats West Seminar. 9:30 A.M. Calmar Legion Hall. Special Guest Shirley Cripps, M.L.A., Associate Minister of Agriculture. Come and hear about the future of goat dairy industry. For more information call Lesley Jackson, Calmar, 985-3863, Sara Emond, Sunnybrook, 789-2279 or Lori Hughes, Wetaskiwin, 352-4894.
- February 23,24,25 Introduction to Sheep Production short course - Olds College. For more information contact 556-8344 or 556-8352.
- February 26 & 27 Sheep Shearing short course - Olds College. For more information contact 556-8344 or 556-8352.
- February 28
"NOTE DATE CORRECTION" Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.

- March 4
Entry date for the Ram Test Station. You are invited to enter ram lambs into this year's station test. As soon as you have decided to enter rams into this year's station test, please contact Station Manager, John Knapp (948-8517) so the pre-entry veterinary inspection can be arranged where required.
- March 12
Open House at the Canadian Co-operative Woolgrowers, 5107 - 50th Street, Stony Plain. 1:00 P.M. - 7 P.M. For more information contact Beverley Rink or Doug Laurie at 963-4343.
- March 12
Annual meeting of the Canadian Co-operative Woolgrowers, Alberta Subdistrict North will be held at the CCWG Office, 5107 - 50th Street, Stony Plain. 7:30 P.M. All interested wool producers in the area are welcome to attend. The new wool grading system will be discussed and there will be a draw for a free sheepskin. Coffee and snacks will be served.
- March 12
North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton at 455-2287 or Bruce McChan, Calmar at 985-3744.
- March 18
Entry date for the Ram Test Station. You are invited to enter ram lambs into this year's station test. As soon as you have decided to enter rams into this year's station test, please contact Station Manager, John Knapp (948-8517) so the pre-entry veterinary inspection can be arranged where required.
- March 25
Orientation for new patrons of Hays Pasture. 2:30 P.M. Lethbridge Community College Animal Science Building (across from jail). To be followed in evening by joint Zone 1 and Zone 2 Alberta Sheep and Wool Commission Meeting.

- March 28 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- April 1 Entry date for the Ram Test Station. You are invited to enter ram lambs into this year's station test. As soon as you have decided to enter rams into this year's station test, please contact Station Manager, John Knapp (948-8517) so the pre-entry veterinary inspection can be arranged where required.
- April 13 & 14 Sheep Shearing and Wool Care - Lakeland College, Vermilion Campus. For more information please call 853-8443.
- April 16 North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton at 455-2287 or Bruce McGhan, Calmar at 985-3744.
- April 25 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- May 8 1st Entry date for the 1987 grazing season at Medicine Lake Provincial Grazing Reserve.
- May 15 - 17 Stock Dog Training - Lakeland College, Vermilion Campus. For more information please call 843-8443.
- June 2 2nd Entry date for the 1987 grazing season at Medicine Lake Provincial Grazing Reserve.
- June 23 3rd Entry date for the 1987 grazing season at Medicine Lake Provincial Grazing Reserve.

RED DEER EXHIBITION

July 14 - 19, 1987

CLASSIC MARKET LAMB SHOW

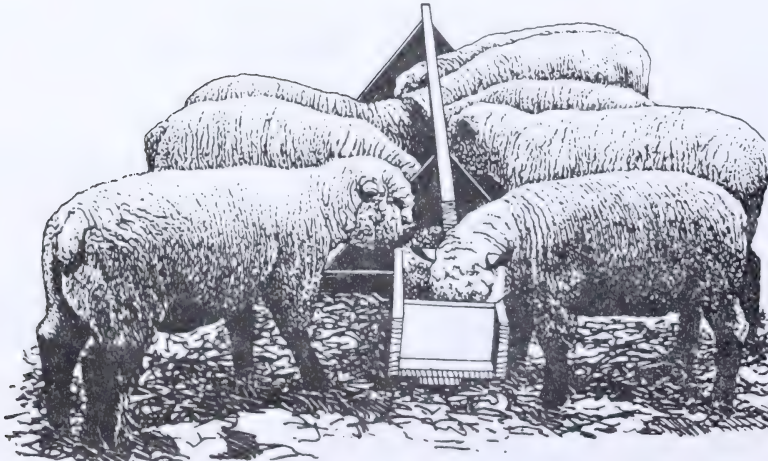
1st Prize - Sponsored by Lambco, Innisfail - \$1,000.00

Reserve - Sponsored by Bill & Jim Gunther
Don Risky & Dave Thevanaz - \$500.00

OPEN TO PUREBRED AND COMMERCIAL LAMBS

A number of purebred breeders have offered additional prize money over and above the \$1,000.00 and \$500.00 for winners of this competition sired by rams from their flocks. Any purebred breeder wishing to do the same should contact Jim Kinniburgh.

Contact Lynann Good 343-7800 at the Red Deer Exhibition or Jim Kinniburgh 343-1361, Chairman of the Sheep Committee.



Technician's Report



by Susan Hosford
Sheep Technician

Lambing 1987

Lambing 1987 is off and running. This year there have been fewer problems with abortions than was noted last year. An increasingly common problem, however, has been pregnancy toxemia. "How can that be when there is so much cheap feed grain around?"

The obvious answer is that there are still ewes out there who are getting mountains of hay or greenfeed of dubious quality (did you have yours tested?), and no grain. The more heavily pregnant the ewe gets the less room she has to take in hay and greenfeed, particularly if it is coarse or stemmy. She needs some grain to keep up her nutrient supply for herself and for those lambs she is carrying.

The less obvious thing to consider is that the grain you may be feeding is of poorer than average quality. Already there are articles out in farm papers stating that, in general, the feed quality this year is lower. I know that our ewes are thinner than is usual despite additional grain before lambing and what looks like absolutely beautiful hay (tested a surprising 12% C.P.). Our barley, harvested before the rains, tested 10% C.P., which is lower than the average provincial analysis in most years. So.... watch those heavily pregnant ewes. If any of them hang back from the grain trough for any reason - get out the propylene glycol (NOT glycene or glycerine and sugar as one producer suggested). Drench the ewe (a long-necked pop bottle works fine) with 4 to 8 ounces a day until she either lambs or starts to eat well.

Also watch for baby lambs scours (birth to 5 days - listless lamb, wet or dirty hind ends). This is absolutely perfect weather for shepherds, sheep and scour bacteria. Treat immediately with antibiotics such as Scour-Halt (sold for baby pigs); Septra (sold for baby people); or Spectam (livestock medication for scours/pneumonia) and watch lambs carefully.

Completely Confused About Copper?

Everyone who has anything to do with sheep - shepherds, feed companies, vets, and extension people - seems to be aware that there is a problem with copper and sheep. Now, what exactly the problem is, depends on who you talk to. There are just about as many opinions as there are sheep.

All last year we were warned about the "new" series of beef cattle minerals and supplements which are being introduced by most feed companies. Research had indicated that beef cattle required higher levels of copper and, accordingly, it was added to commercial feeds. Any shepherd who wasn't carefully reading the labels on feed bags could find his or her sheep in danger of an overdose of copper. So, in reaction, the pendulum has swung in the other direction. A fairly widely held opinion is that "copper kills sheep". Therefore, there are now producers who aren't feeding any mineral because it all has copper in it. I guess that that's about the same situation as the guy who quit feeding his horse hay because all it did was keep eating it up.

Sheep, like all animals, do need copper. The new N.R.C. (1985) tables have, in fact, increased the levels of copper required by sheep from 5 ppm to 7-11 ppm. Actually, copper is found in most feeds naturally. Soyabean meal has quite a lot of copper in it, while canola meal has less. That does not mean that canola meal is a better feed for starter creep rations for baby lambs, or that soyabean will hurt your lambs. However, if you are going to run into a copper toxicity problem, it will most likely occur in your lambs. Older animals do not retain copper as readily in their bodies as do lambs.

Still don't know what copper level is required by your sheep, or what level will hurt them? To simplify the matter, Dale Engstrom has made up the following table which shows the maximum levels of copper to be found in the feeds and supplements you buy for your sheep. If you've run into confusion at your feed company over copper levels - take this table with you, give the company a copy. It may just make everyone's life simpler.

<u>Type of Feed</u>	<u>Maximum Recommended Copper Level, mg/kg</u>
Lamb Creep Ration	10
Lamb Grower or Finisher	10
Ewe Grain Ration	15
32% Supplement	30
1:1 Mineral	1000
T. M. Salt	500

When supplemental copper is provided from more than one source of feed be sure to calculate the total amount of copper in the diet.



LAMBS in LACOMBE

Family Sheep & Wool Fair · Commercial Ewe Sale · Craft Sale

REMEMBER THE FAIR? LAST YEAR? IT WAS
CALLED 'LAMBS IN LACOMBE' AND THERE
WERE DOG TRIALS, A JUNIOR SHOW, THE
SHEEP TO SHAWL COMPETITION, SUPER CRAFTS
AND GOOD THINGS TO EAT - AND THE EWE LAMB
SALE - PEOPLE ARE STILL TALKING ABOUT IT -
WELL, THERE'S GOING TO BE ANOTHER ONE:

SATURDAY, 19 SEPTEMBER '87

IN LACOMBE, NATURALLY.

THOUGHT YOU'D LIKE TO KNOW....

COME TO THE FAIR

Vermilion Agricultural Society
 Vermilion Fair Grounds
 July 23, 24, 25, 1987

LIVESTOCK SHOW

SHEEP SHOW:

Junior Classes:	July 23	1:00 P.M.
Junior Goat Show:	July 23	4:00 P.M.
Senior Sheep Show:	July 24 - 25,	1:00 P.M.

August 4, 1987

2:00 P.M.

Alberta Junior Invitational Sheep Show

Open to any individual or members of sheep clubs
 anywhere in Alberta as well as Lloydminster, Sask - Alta

For more information on either of these events contact:

Vermilion Fair Grounds (853-4108)

Florent van Wageningen (853-2491)



TRACE MINERALIZED SALT RECIPE!

by Dale Engstrom
Ruminant Nutritionist
Soils and Animal Nutrition Laboratory

Trace mineral levels in Alberta's farm grown feeds are on the decline. This means that all sheep would probably benefit from some supplementation of trace minerals. Trace mineral supplementation is inexpensive and easy. The most simple method of supplementation is to use a trace mineralized salt meeting the following specifications.

	<u>mg/kg</u>
Copper	500
Manganese	4000-7000
Zinc	8000-12000
Selenium	25-50
Cobalt	40
Iodine	100

I don't think any feed company makes a salt product that meets these specifications at the present time. However, there are many companies that will make this up as a "customer formula feed" in as little as 500 kg lots. A ewe will consume about 3-4 kg of salt per year so this would be enough for 140-150 ewes. If several neighbors cooperated in buying salt then the smaller flock owners could be accommodated. The trace minerals are very stable in salt as long as it doesn't get wet.

ALBERTA SHEEP & WOOL COMMISSION

24 HOUR MARKET LINE

1-291-9884

THE MARKET LINE PROVIDES LAMB PRICES ON THE FOLLOWING
MARKETS:

- LAMBCO - INNISFAIL
- NORTH CENTRAL SHEEP SALES - EDMONTON
- LAMBLAND FEEDERS - LACOMBE
- ONTARIO STOCKYARDS - TORONTO
- U.S. NORTHWEST AREA
- U.S. MOUNTAIN AREA
- U.S. NORTH CENTRAL AREA
- FORT MACLEOD AUCTION MART

ALBERTA



COUNTRY

"WILDROSE" INVITATIONAL SEEDSTOCK SHEEP SALE

Sponsored by the

ALBERTA SHEEP BREEDER'S ASSOCIATION

Saturday, AUGUST 29, 1987

Show & Sale at the

OLDS COLLEGE NEW ARENA FACILITY OLDS, ALBERTA

---oo00oo---

 * Having administered and brought the 1986 WORLD SHEEP CON- *
 * GRESS to a most successful conclusion, the ALBERTA SHEEP *
 * BREEDER'S ASSOCIATION now sponsor still another progress- *
 * ive undertaking for the industry through the ALBERTA "WILD *
 * ROSE" COUNTRY event. This will also serve as a quality *
 * preview to the ALL-CANADA SHEEP CLASSIC which is planned *
 * to be held in Alberta during 1988. *
 * *****

A PRESENTATION BY PROGRESSIVE PUREBRED BREEDERS FROM ALBERTA, AND OTHERS WHO HAVE MADE PARTICIPATION IN ALBERTA EVENTS PART OF THEIR PROGRAMS. ALL-BREED CONTRIBUTORS ARE NOW INVITED TO EVIDENCE THEIR PARTICIPATION INTENT. BREAKDOWNS FOR NOMINATIONS WILL BE FOR THE FOLLOWING:

** FALL & WINTER-BORN RAM LAMBS ** EWE LAMBS - BOTH EXPOSED & UNSERVED
 ** YEARLING & OLDER STUD RAMS ** BROOD EWES - BOTH EXPOSED & UNSERVED

Breeders will be permitted to enter ONE Ram for every THREE Ewes

ENTRY CLOSING DATE: JUNE 15TH. SOME SUBSTITUTIONS PERMITTED, LIKELY FROM SHOW FLOCKS.

SHOW/SALE/SELECTION COMMITTEE

MIKE BUNTING, Bluffton (843-6820) BILL MATEJKA, Ponoka (783-2167) PEGGY NEWMAN,
 Blackie (652-7563) LLOYD PICKARD, Olds (556-6732) JOHN WILLIAMS, Ponoka (784-3511)
 Committee Chairman: BARRY WILSON, Olds College (556-8265 or 556-6498)

For specific Regulations & Entry Forms, contact: .

ALBERTA SHEEP BREEDER'S ASSOCIATION, 2504 Toronto Cres. N.W., CALGARY, ALTA. T2N 3V9

Working For And With You

PEACE RIVER CREEP RATION

(17 - 18% Crude Protein)

Coarse Rolled Barley	-	78%
Soy Meal	-	20%
Limestone	-	1%
Cobalt Iodized (Blue) Salt	-	0.7%
*Low Copper TM Salt	-	0.3%
**Terramycin (TM10)	-	0.05%
*** Selenium Vit ADE	-	0.05%

-
- * Containing not more than 0.035% Copper
 - ** If TM50 is used, include at 0.01%
 - *** Containing not more than 1.05 Mg of selenium per gram, and at least 30,000 IU Vitamin A per gram.
-

Offer free choice, blue salt and limestone mixed 50:50.

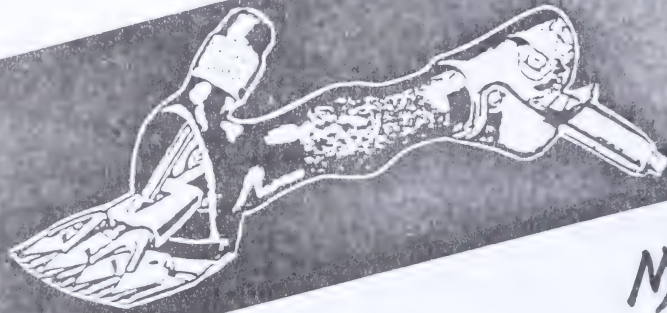


... it's not worth it, pet, - I'll just have t' put them on again in a couple of hours t' check the lambin' ...'



ZenFlex

PROFESSIONAL
SHEEP SHEARING



ZENEK
MATKOWSKI

I WOULD LIKE TO LET YOU KNOW
THAT I HAVE GOT MY PREVIOUS PHONE
NUMBER IN RED DEER. IT IS ANSWERING
SYSTEM ONLY AND IS AVAILABLE FOR YOU
24 HOURS A DAY. PLEASE FEEL FREE TO USE
IT. THE NUMBER IS: 343-6308.

YOU CAN PHONE ALSO: 782-5136 HOME
(PARTY LINE)

OR 782-LAMB

COYOTE PREDATION CONTROL WORKSHOP

Have you ever had coyote problems with your sheep? Do you think you will or might have coyote problems this year? Have you ever wondered how and why coyotes and other predators can be a serious threat to some producers? Have you ever wondered what you would do if your flock was troubled with coyote predation?

If you answer "yes" to any of these questions you may very well need to attend a Department of Agriculture Coyote Predation Control Workshop. This half day (or long evening) hands-on seminar, designed for producers requires no skills or special training--save a strong desire to protect your livestock. Also, the Coyote Predation Control Workshop is a sharing-participating opportunity where, through open discussion, you can exchange your experiences, expertise and information with us and others on this very important subject.

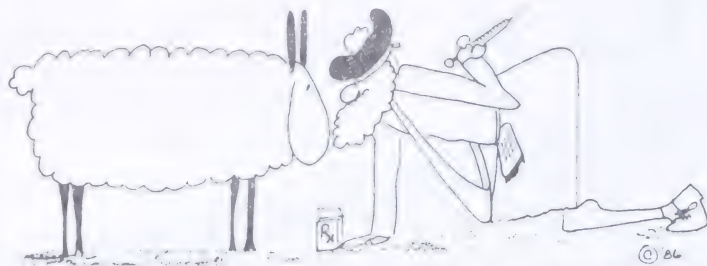
Your municipal Agriculture Fieldman and Department of Agriculture staff will lead you through proven remedies of coyote damage control in step-by-step fashion and in slow motion detail. Through illustrations and demonstrations you will quickly learn the how and why of coyote and other predator damage, as well as some of the time-honored techniques of preventing coyote predation to livestock.

Workshops are portable and can be conducted almost anywhere so long as there are sufficient registrations. If you are interested in attending a workshop please register with your municipal Agriculture Fieldman at your municipal district or county office. Tell the fieldman you are interested in attending a Coyote Predation Control Workshop and if enough register he will inform you of a workshop date and location. The workshops are free of charge.

sign up...
we'll be looking for you!



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For Additional Information Contact:

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ALSO available—pregnancy detection at 17 days after conception and single/multiple determination at 90 days. Ask us for more information

**CHOTEAU,
MONTANA
59422
406/466-2139**



FEE SCHEDULE

The following fee schedule prevails as of 12-12-86. Prices are subject to change without advance notification.

OVINE PROGRESSIVE PNEUMONIA:

Processing charge for each shipment.....	\$2.00
Plate charge (every 28 tests or part thereof)...	\$2.50
1-112 tests (each).....	\$1.50
113-240 tests (each).....	\$1.37
241-480 tests (each).....	\$1.30
481-960 tests (each).....	\$1.24
greater than 961	\$1.17

Average turnaround time is 3 days.

SERUM PROGESTERONE LEVEL (RADIOIMMUNOASSAY)

Processing charge for each shipment.....	\$2.00
Set up fee (per shipment).....	\$8.75
1-10 tests (each).....	\$7.50
11-50 tests (each).....	\$7.20
51-100 tests (each).....	\$6.75
101-500 tests (each).....	\$6.00
greater than 500 test.....	call for quote

Average turnaround time is 24 hours.



Alberta Sheep Breeders' Association

2504 Toronto Cr. N.W., Calgary, Alberta T2N 3V9
(403) 282-6736

1987 BOARD OF DIRECTORS

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Ph: 783-2167

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Ph: 936-5463

Mike Taylor
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Blackfalds, AB T0M 0J0
Ph: 885-4487

ALBERTA SHEEP BREEDERS' ASSOCIATION

1987 ANNUAL MEETING REPORT

The Annual Meeting of the Alberta Sheep Breeders' Association was held at Olds College on December 13, 1986, with 28 people in attendance.

President Peggy Newman congratulated the members for their contribution to the very successful World Sheep and Wool Congress held at Edmonton Northlands during the July Klondike Days.

Newman cautioned the members not to "sit on their laurels" that The Association now has an important obligation to continue the promotion of Alberta sheep both nationally and internationally.

ZONE REPRESENTATION:

The members passed a resolution that the Board of Directors representation be divided into four zones geographically - East and West of Highway #2 and North and South of Highway #27. There will be two (2) members from each zone and five (5) members at large.

The person from each zone receiving the highest number of votes would be a Board member for three (3) years; the person receiving the second most number of votes would be a Board member for two (2) years; and the remaining to be Board representatives for one (1) year as members-at-large.

ZONE ONE - SOUTHEAST - SOUTH OF HWY #27 AND EAST OF HWY #2

ZONE TWO - SOUTHWEST - SOUTH OF HWY #27 AND WEST OF HWY #2

ZONE THREE - NORTHWEST - NORTH OF HWY #27 AND WEST OF HWY #2

ZONE FOUR - NORTHEAST - NORTH OF HWY #27 AND EAST OF HWY

Members-at-large - one year - Lloyd Pickard, Bill Matejka, Reg Marler, Jim Kinniburgh and Gordon Cadsand.

CONSTITUTION:

The Constitution Committee made up of Mike Bunting, Mike Taylor, Bill Matejka and chaired by Edith Williams shall review the Association By-Laws.

WOOL SHIPMENT REPORT:

In his report, Bill Jackson urged members to keep wool shipment deliveries in Alberta as the shipment to the U.S. outlet had reduced the June shipment from Calgary.

Jackson stated that there had been 47 contributors in 1986 with 15,781 lbs. delivered to Lethbridge and 9,239 lbs. in the Calgary pickup for a total of 25,020 lbs.

CANADIAN SHEEP BREEDERS REPORT: EDITH WILLIAMS:

Edith gave a detailed report of the CSBA Meeting held on February 28, 1986 in Quebec City.

Changes to the LIVESTOCK PEDIGREE ACT: She stated that a motion was carried that all Canadian sheep must be first registered by the Canadian Sheep Breeders' Association through Canadian National Live Stock Records before being transferred to any American association.

<u>NEW FEE SCHEDULE:</u> Junior Membership	\$	5.00	
Duplicate Certificate		5.00	Member
		10.00	Non-Member
Registration (10 letters)		25.00	
Transfer (10 letters)		5.00	
Registration of Name		25.00	
Transfer of Registered Name		5.00	
Transfer of Lease		5.00	
Transfer within Family		5.00	

SHOWCASE FLOCK - OTTAWA:

Contact Jack James, R.R. 3, Russell, ON KOA 3B2, if you have any suitable photographs or literature to put on display.

REVENUE: The CSBA revenue for 1985 was down \$16,000.00 with expenditures down \$1,000.00. Members Equity at \$70,385 and investments at \$22,995.

UNUSED HERD LETTERS: CNLSRecords' request to cancel herd letters that have not been used in the past 15 years was approved.

ROP DATA ON REGISTRATION CERTIFICATE: Ontario breeders were to make this request. CNLSR informed Peggy and Edith at an Ottawa meeting that it was not really feasible and it would create margins of error and misuse.

COLUMBIAS: No longer require inspection for registration. CANADIAN POLYPAY AND ICELANDIC BREEDS: A request has been received to make these two breeds eligible for registration. There is an inspection now for Polypays so they may be tattooed and a foundation flock established.

BOARD OF DIRECTORS EXECUTIVE COMMITTEE: Jack James, President; Peggy Newman, Vice-President; Russell Dow, Colleen Sawyer, Reita Widgill and Peter Conway.

Edith Williams was elected to the PROMOTIONS COMMITTEE. A new CSBA pin was produced and sold for the first time at the World Sheep and Wool Congress. Price \$4.00

WORLD SHEEP AND WOOL COUNCIL: Canadian representatives to be Jack James and Peggy Newman with Peter Conway as an alternate.

IDENTIFICATION OF IMPORTED RAMS: Peter Conway proposed that these animals be identified with letters of the country of origin, a number chosen by the new owner and a year letter.

ALBERTA SHEEP & WOOL COMMISSION:

Don Risky gave an excellent overview of the Commission's activities for the year. A detailed report may be read on page of this issue.

AGRICULTURE CANADA VIDEO:

Dr. Chris Jensen presented a video on scrapies taken from a Wensleydale flock imported from Great Britain. He stated that U.K. authorities required proof of the disease in the flock. After viewing the film, it was felt it could hardly be denied by the authorities.

R.O.P. REPORT:

John Knapp, Sheep Specialist with Alberta Agriculture, reported that there were 7,000 head on R.O.P. in 1986 as compared to 4,000 the previous year. He anticipates an increase to 10,000 in 1987. The Test Station had a good year and John made note that it is certain there will be vaccination of the ram lambs for Haemophilus agni this year.

John indicated the consensus at the Research Revue Conference in Ottawa was that the 75% of the 1.6 million dollar Federal Research budget previously spent at the Animal Research Centre could be made better use of at Regional Centres. Almost everyone in attendance also indicated that the Regional Research Institutes should be guided by breeders and extension personnel.

The November 20th Home Test and Test Station Open Forum received a fairly strong endorsement to continue along the current lines with some very minor changes.

The 1987 TEST STATION SALE will be Saturday, June 27th.

Alvin Robbins and Lloyd Pickard were elected as representatives to the R.O.P. Advisory Board.

WILD ROSE SALE:

The Association has scheduled the Wild Rose Sale for the evening of Saturday June 27, 1987, at Olds, Alberta. The Sale Committee of John Williams, Mike Bunting, Peggy Newman, Lloyd Pickard and Barry Wilson shall announce arrangements very shortly.

ALL CANADA CLASSIC SALE:

The Ontario Sheep Breeders' Association will host the 1987 All Canada Classic Sale in 1987. There is a \$75.00 transportation assistance grant per animal for the Classic Sale from Alberta Agriculture.

The Meeting passed a motion that a recommendation be presented to the Canadian Sheep Breeders' Association Annual Meeting inviting U.S. breeders to consign to the Classic Sale.

The Red Deer Westerner Exposition has extended an invitation to host the 1988 All Canada Classic Sale. Peggy Newman shall present a full-costing proposal to the C.S.B.A. Annual Meeting to be held in Vancouver March 7th and 8th.

JUDGES: RECOMMENDATIONS TO THE C.S.B.A. AND FAIR MANAGERS:

CANADIAN WESTERN AGRIBITION

TORONTO ROYAL WINTER FAIR

Lloyd Pickard
Dan Cadsand

David Cadsand
Bill Matejka

ALBERTA FAIRS - Ross Mouser, Peggy Newman, Roy Thompson, Clarence Jones, Bill Stephen and Tom Reid.

OTTAWA - AGRICULTURE CANADA SHOWCASE FLOCK:

Peggy Newman stated that she had received information indicating that federal monies for fairs and the Showcase Flock may be drastically reduced. It is most probable that the Showcase Flock will cease and desist.

ALBERTA SHEEP BREEDERS' ASSOCIATION JUNIOR MEMBERSHIP:

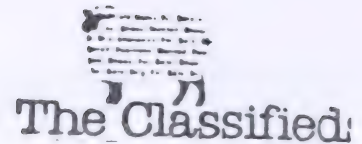
The consensus of the Meeting was that all Juniors and 4-H members be made aware of the fact that a one-time Junior membership fee is available until the age of eighteen years. Also indicate to them that judging schools and trimming demonstrations are available to junior organizations.

ALBERTA CANADA ALL BREEDS ASSOCIATION (1984):

The members voted unanimously to become a member of ACABA (1984) for the forthcoming International Show Season. Its mandate is to promote Alberta livestock internationally. Edith Williams and Peggy Newman were nominated to be the voting representatives at the ACABA (1984) Annual Meeting to be held at the Alberta Agriculture Regional Centre in Airdrie early in April



... and I get the impression the lambin's not goin' too well either ...



The Classified

- FOR SALE: 30-40 Suffolk Dorset Cross ewe lambs. Available in May. Lee & Gene Perman, Bittern Lake, phone 352-2949 963-4450, (3)
- FOR SALE: 40 Suffolk Cross ewes. Excellent condition. 2-6 years old. Bred to lamb in March to registered sires. Will sell in parcels of 10. Pat de Rosemond, Box 656, Carstairs, TOM ONO, phone 337-2800 893-2363 (2)
- FOR SALE: Good quality Suffolk and Suffolk cross ewes and ewe lambs. Production records available. Kure and Cunningham breeding. Jeff Lamb at Lamata Farms, R R #1, Didsbury, TOM OWO, phone 637-2557 (evenings) or 270-7888 (days) (2)
- FOR SALE: October-November born ewe lambs will ready for sale in February - March. Mostly 1/4 Rambouillet, 3/4 Suffolk, ROP records. Deb & Ian Clark, Medicine Ridge Farm, Bentley, phone 748-2624 (3)
- FOR SALE: Superior Finn X Dorset ewe lambs. Also registered and commercial yearling Finn rams. Rigorously selected for proven profitable performance. Fred Sohn & Tina Bell, Clearhills Finnsheep, Dixonville, phone 971-2408 (3)
- FOR SALE: By Brightbank Finnsheep. Registered Finn sheep. Ram lambs and yearlings. Top quality sheep with production records from a disease-free flock. For more information or to arrange a visit call Kathy Playdon, Stony Plain, phone 973-0416 (3)
- FOR SALE: 400 Rambouillet ewe lambs. January born. Available in May. Average weight 90-100 pounds. \$125.00. Peter Walter, Cayley, phone 395-2125 (3)
- FOR SALE: 50 Rambouillet and Rambouillet Cross ewes. Exposed as of January 7. Jerry Reti, Taber, phone 223-9418 (3)
- CLIPPER SHARPENING - Fast, efficient same day service. Blades sharpened the right way. \$5.00 each plus postage/shipping. Contact B or D Jones, The Professional Edge, 265 - 52307 Range Road 213, Sherwood Park, T8G 1C1, phone 922-5447 (2)
- "SHEEP-EZEE SYSTEMS", Phil's Custom Farming and Welding, Crossfield, TOM OSO, phone 946-5367 (2)
- EWES ON SHARE CROP. Interested in placing ewes on shares in lots with capable progressive minded operator. Tom Eggertson, Lousana, phone 749-2280 (3)
- FOR SALE: Meat goat kids. Ursula Jones, Wild Rose Hollow Farm, Athabasca, phone 675-4099 (3)
- FOR SALE: Registered Angora bucks. 1-2 years old. Mary & Chris Clennell, Stony Plain, phone 963-4450, after six (2)
- FOR SALE: Registered Australian cattle dogs. Blue pups available now. Occasionally older stock. Reasonably priced. Guaranteed workers. Betty Rath, Box 591, Medicine Hat, T1A 7G5, phone 893-2363 (2)
- WANTED TO BUY: Bred ewes, crosses, etc. M. Bonner, Vermilion, phone 853-5855 (2)
- WANTED TO BUY: Gentle Appaloosa filly or mare. Reasonably priced. Betty Rath, Medicine Hat, phone 893-2363 (2)
- FOR SALE: Feed and bedding straw, 80c per bale. Dennis Pasichney, Redwater, phone 942-4537 (2)
- SHEPHERD REQUIRED to manage modern sheep flock on partnership basis with land equity opportunities. Tom Eggertson, Lousana, phone 749-2280 (3)
- LAMBING HELP WANTED: Experienced lamber required for two weeks, beginning of April. Room and board provided. Phone or write Chris and Betty Harvey, R R #2, Bluffton, TOC OMO. phone 843-3494 (3)
- DON'T GIVE YOUR WOOL AWAY. Upgrade it and make money. We can wash and card your wool into large 36" batts and will return the wool C.O.D. by mail if you wish. We also card mohair and do colour blending. Shirley Wilkinson, Woolacombe Wool, 51109 Range Road 205, Sherwood Park, phone (Tofield) 662-2007 (2)
- INTERESTED IN ROMNEYS? Join the Romney Club of Canada. Dues \$5.00/Yr. Breeding Stock Information. 7825 Ross Road, R R #1, Mount Lehman, B.C., VOX 1V0 (3)

EDITOR'S NOTE

Classified Ads and Coming Events may be placed in Sheep Footnotes free-of-charge by contacting:

Janet Smalley
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
T6H 5T6

Ph: (403) 427-5077

John Knapp
Sheep Specialist
Bag Service #1
Airdrie, Alberta
T0M 0B0

Ph: (403) 948-8517

The deadline for Classified Ads and Coming Events is the last day of the month prior to the month of publication.

Coming Events will be run every month from when they are placed until the event. Please Note: Events should be placed in Coming Events at least 6 weeks in advance in order to ensure their publication before they occur.

Classified Ads will run initially for two months, unless cancelled after the first month. After the first two months, ads may be renewed each month by contacting Janet Smalley at 427-5077. Ads must not exceed two column inches in length or they will be edited. Full page ads will be run for one month. If you want your full page ad condensed into a Classified Ad for the next two months, please indicate this when you send in the ad. Sheep Footnotes reserves the right to restrict the length, content and run of any Classified Ad.

EDITORS OF OTHER PUBLICATIONS

Material in Sheep Footnotes may be reprinted in other publications, but source must be stated and content of articles may not be changed without authors' permission.



ALBERTA SHEEP

Producers



WE NEED YOUR SUPPORT

YOUR SUPPORT THAT COUNTS. ATTEND THE CLOSEST ZONE MEETING TO YOUR OPERATION

Lethbridge, Alta. (Zone 1 & 2)
Joint Meeting with Badlands Grazing Association
Lethbridge Community College Livestock Building
Half Mile East of Research Station
Wednesday, March 25, 1987
Time: 7:00 p.m.

Airdrie, Alta. (Zone 3)
Alberta Regional Agricultural Centre
Thursday, March 26, 1987
Time: 7:00 p.m.

Nisku, Alta. (Zone 4)
Nisku Inn Room #2
Wednesday, March 18, 1987
Time: 10:00 a.m.

Westlock, Alta. (Zone 5)
Legion Hall
Tuesday, March 17, 1987
Time: 7:00 p.m.

Rycroft, Alta. (Zone 6)
Courtesy Corner
Saturday, March 21, 1987
Time: 1:00 p.m.

... AND BE COUNTED

THE ALBERTA
SHEEP & WOOL
COMMISSION

THE JOURNAL



THE JOURNAL OF THE
ROYAL SOCIETY OF MEDICINE

sheep footnotes



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Editor: Cathy Gallivan
Sheep & Goat Specialist
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7000 - 113 Street
Edmonton, Alberta
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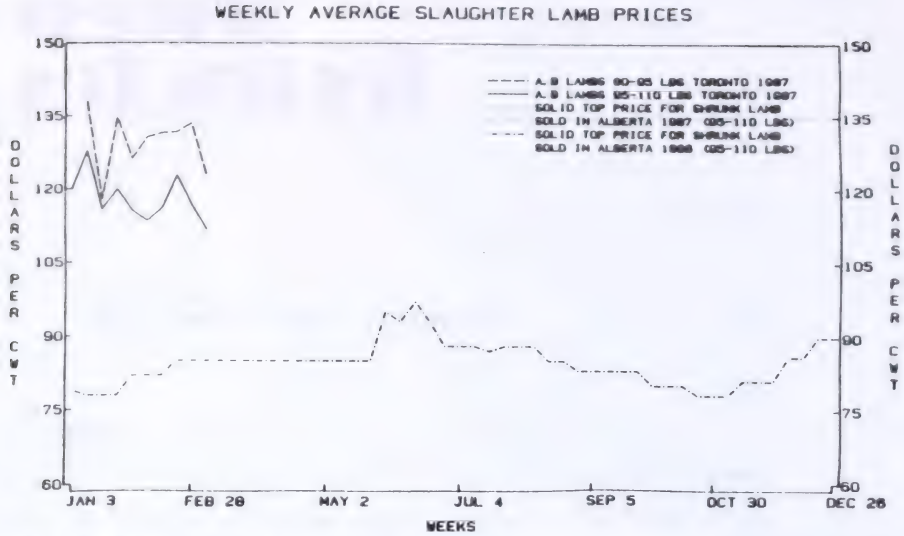
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Alberta
AGRICULTURE

Animal Industry Division
Beef and Sheep Branch

MARKET REPORT



Good quality lambs delivered to Lambco traded steady through February and early March on increased volumes over January. Alberta monthly average slaughter volumes are below year ago levels.

Toronto markets showed a softening during February as the monthly average auction price for good quality 95-110 lb lambs at the Toronto Public Stockyards decreased \$3.52 per cwt from month earlier levels.

Of note this month was the Statistics Canada inventory report outlining the number of sheep and lambs on January 1. The table below outlines the details in '000 of head.

	Total Sheep and Lambs			Sheep 1 yr old and older			Lambs under 1 yr old		
	1986	1987	87/86	1986	1987	87/86	1986	1987	87/86
Quebec	81.0	79.0	98	68.9	69.5	101	12.1	9.5	79
Ontario	172.0	170.0	99	122.0	120.7	99	50.0	49.3	99
Total East	295.8	289.4	98	222.5	220.5	99	73.3	68.9	94
Manitoba	20.0	18.7	94	18.0	16.5	92	2.0	2.2	110
Sask	36.7	36.7	100	24.5	23.5	96	12.2	13.2	108
Alberta	124.0	124.0	100	86.0	88.0	102	38.0	36.0	95
B.C.	34.5	30.0	87	25.0	22.8	91	9.5	7.2	76
Total West	215.2	209.4	97	153.5	150.8	98	61.7	58.6	95
Canada	511.0	498.8	98	376.0	371.3	99	135.0	127.5	94

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT LAMBCO

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON						
Feb 1987	95.00-98.00	95.00-98.00	95.00-98.00	95.00-98.00	95.00-98.00	95.00-98.00
LAST MON						
Jan 1987	93.00-96.00	93.00-96.00	95.00-98.00	95.00-98.00	95.00-98.00	94.20-97.20
1YR AGO MON						
Feb 1986	79.00-82.00	79.00-82.00	82.00-85.00	82.00-85.00	82.00-85.00	80.80-83.80
VOLUMES						
Feb 1987	1,716	1,675	1,123	907	1,163	1,317
Feb 1986	2,528	1,455	1,079	1,215	1,255	1,506

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT TORONTO PUBLIC STOCKYARDS
(With Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	106.00-124.00	113.00-120.00	117.00-125.00	108.00-125.00	101.00-115.00	
Feb 1987	(113.54)	(116.20)	(122.95)	(116.81)	(111.81)	116.36
LAST MON	118.00-123.00	117.00-134.00	108.00-120.00	115.00-122.00	110.00-122.00	
Jan 1987	(120.12)	(128.01)	(115.95)	(120.01)	(115.65)	119.88
1YR AGO MON	101.00-122.00	102.00-110.00	106.00-119.00	N.E.P.	87.00-108.00	
Feb 1986	(113.81)	(104.62)	(112.68)		(99.27)	105.34
Feb/87 VOLUMES	124	21	97	114	74	430
AVERAGE WEIGHT	104.6 lb	107.4 lb	103.5 lb	100.3 lb	98.6 lb	102.9 lb

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 80-95 LBS TORONTO PUBLIC STOCKYARDS
(Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	119.00-141.00	126.00-138.00	122.00-140.00	115.00-140.00	120.00-132.00	
Feb 1987	(130.75)	(131.60)	(131.79)	(133.66)	(122.87)	130.55
LAST MON	NEP	127.00-145.00	107.00-123.00	122.00-139.00	120.00-135.00	
Jan 1987		(138.03)	(118.10)	(134.89)	(126.40)	133.21
1YR AGO MON	117.00-130.00	103.00-118.00	112.00-128.00	123.00-135.00	115.00-127.00	
Feb 1986	(123.18)	(108.71)	(121.32)	(130.56)	(121.52)	120.07
Feb/87 VOLUMES	83	19	52	98	53	305
AVERAGE WEIGHT	88.8 lb	86.6 lb	85.5 lb	86.1 lb	86.5 lb	86.7 lb

Prices quoted for 95-110 lb lambs are bid prices at Lambco and auction prices at Toronto Public Stockyards for good quality lambs. The lower end of the Alberta price range reflects bids for short haul or unshrunk lambs while the upper end of the range represents bids for long haul or shrunk lambs. Producers delivering to the Toronto Public Stockyards pay commission and yardage fees for each animal sold. Producers delivering to Lambco pay \$1/head checkoff to the Alberta Sheep and Wool Commission.

The Toronto auction price is from the Special Sheep and Lamb Sale held on Monday each week.

N.E.P. - No established price

Marilyn Johnson, Market Analyst
Market Analysis Branch
Phone: (403) 427-4002
March 9, 1987

MARKET

** REPRESENTATIVE LIVE SALES **
FEBRUARY 20, 1987

AREA	TYPE OF SHEEP	TYPE OF SALE	NUMBER	WEIGHT	WEIGHING CONDITIONS	PRICE (\$/cwt)
SOUTHWEST						
California	Spring	Direct	3,000	60-110	70% feeders, wooled, June delivery	81.00
California	Feeder	Auction	300	70- 95	Choice & fancy, wooled & shorn	80.00-87.00
California	Sl. Ewe	Auction	300		Utility & good	28.00-32.00
MOUNTAIN						
Wyoming	Feedlot	Direct	800	120-125	Choice & prime, shorn, FOB 4% shrink	77.00
Montana	Old Crop	Auction	100	130-150	Choice & prime, wooled	74.00-75.00
Montana	Feeder	Auction	300	85-115	Choice & fancy, wooled	77.50-84.00
Colorado	Feeder	Direct	300	100-105	Choice & fancy, wooled, FOB overnight	77.50
Montana	Sl. Ewe	Auction	200	120-150	Good	30.00-45.00
Wyoming	Stock Ewe	Direct	450	95	Ewe lambs, FOB overnight stand	86.00
SOUTH CENTRAL						
Oklahoma	Old Crop	Tele-auc.	400	115-125	120lb. wt. break, \$2 wooled discount	82.00
Kansas	Feedlot	Direct	400	125-135	125lb. wt. break, shorn, FOB 4% shrink	77.50
Oklahoma	Old Crop	Computer	800	95-120	120lb. wt. break, \$2 wooled disc., 3% shr.	80.75-81.75
Texas	Feedlot	Direct	1,300	95-105	Choice & prime, shorn, FOB 4% shrink	76.00-78.00
Texas	Feedlot	Direct	7,000	110-120	Guarantee 51% yield, shorn	75.00
Texas	Old Crop	Auction	300	95-100	Choice & prime, shorn	78.00-81.00
Texas	Feeder	Auction	300	45- 60	Choice & fancy, wooled	102.00-112.00
Texas	Feeder	Auction	500	60- 70	Choice & fancy, wooled	96.00-102.00
Texas	Feeder	Auction	1,500	70- 80	Choice & fancy, wooled	90.00-98.00
Texas	Feeder	Auction	1,500	80- 90	Choice & fancy, wooled	87.00-95.00
Texas	Feeder	Auction	2,000	90-100	Choice & fancy, wooled	82.50-89.00
Texas	Feeder	Auction	1,000	100-120	Choice & fancy, wooled	77.00-86.50
Kansas	Feeder	Direct	1,800	95	Choice & fancy, wooled, FOB overnight	90.25
Texas	Sl. Ewe	Auction	250	115-125	Good	40.00-50.00
Texas	Sl. Ewe	Auction	300		Ewes with lamb (per hd.)	39.00-44.00
NORTH CENTRAL						
Nebraska	Feedlot	Direct	4,400	115-120	March-April del., shorn, FOB 4% shrink	77.50
Nebraska	Feedlot	Direct	400	125-135	Choice & prime, shorn, FOB 4% shrink	77.50
N. Dakota	Old Crop	Computer	800	115-125	120lb. wt. break, \$2 wooled disc., 3% shr.	78.25-79.50
Iowa-S. Minn.	Old Crop	Direct	600	115-125	120lb. wt. break, shorn, FOB 4% shrink	77.50-80.00
Iowa-S. Minn.	Old Crop	Direct	400	120-126	120lb. wt. break, wooled, FOB 4% shrink	75.00-76.50
Wisconsin	Old Crop	Computer	420	105-120	120lb. wt. break, \$2 wooled disc., 3% shr.	80.75
Minnesota	Old Crop	Auction	500	100-130	Choice & prime, \$2 wooled discount	76.00-80.00
S. Dakota	Feeder	Auction	100	70- 75	Choice & fancy, wooled	93.00-95.50
S. Dakota	Feeder	Auction	300	100-120	Choice & fancy, wooled (per hd.)	85.00-92.00
S. Dakota	Sl. Ewe	Auction	300	130-150	Good	28.00-33.00
S. Dakota	Stock Ewe	Auction	400		Short term, April lambing (per hd.)	85.00-92.00
S. Dakota	Stock Ewe	Auction	800		Short-solid mouth, Apr. lambing (per hd.)	92.00-102.00
EASTERN						
Virginia	Old Crop	Auction	300	95-125	Choice & prime, wooled	77.50-79.50
Ohio	Old Crop	Auction	600	100-130	Choice & prime, wooled	73.00-80.00
Ohio	Old Crop	Auction	300	100-130	Choice & prime, shorn	78.00-80.25
Ohio	Sl. Ewe	Auction	200		Cull to good	15.00-32.00

** WOOL UPDATE **

Domestic wool prices are steady this week with the bulk of the spring shearing yet to get underway. A few small lots of lamb wool totaling 45,000 lbs. sold 56's to 60's from 70-76 cents and 64/70's at 82 cents. Near 20,000 lbs. of TX feedlot wool sold at 96 cents for 60's to 64's and 30,000 lbs 70's paid free 1-1/4-1-1/2 inch ewe wool for felt trade at \$.94-1.015 grease FOB warehouse. 4,500 lbs. staple 62's in the Belle Fourche area sold at 86 cents grease. Prices in Midwest for 48's to 58's 45-52 cents grease. Couple loads of 54's \$1.30 clean delivered to the mill.

Australian wool auctions were higher again this week with AWC participation once again at zero percent. 19 micron wools increased 56A cents per pound to 944A cents per kilo. Strong increases were also noted on 29-30 micron wools. The carding market showed its first sign of a price fall for the season. Strong inquiry again on AWC stocks. Total sales for the week were 15,890 bales with interest on last available skirting stock. There is no 19 micron and finer stock to speak of as well as limited supply of skirtings. There are also no cardings or 27 micron and courser wool available.

** ASPC PELT MARKET UPDATE - FEBRUARY 1987 **
salted and unflashed, FOB packer

Fall Clip	\$8.00-9.00	Imp. Fall Clip	\$11.20-11.50
No. 1	\$7.00-8.00	Imperial No. 1	\$9.20-9.50
No. 2	\$6.00-7.00	Spring	\$7.50-8.50
No. 3	\$4.00	Wool	\$6.50-7.00
		West Slope	\$8.75-9.00

Pelt prices during February continued their upward trend which began in late 1985. Supplies continue to be tight with buyers having to pay higher money for limited stock in order to fulfill obligations. The export market is good due to the lower dollar, however, there is beginning to be some resistance to the higher price levels as there is some uncertainty if consumers will be willing to pay higher prices for products made of sheepskin. World skin prices are also quite high as supplies are also tight. Thus, the high U.S. prices, based on world prices, are not unjustified.

- April 13 & 14 Sheep Shearing and Wool Care - Lakeland College, Vermilion Campus. For more information please call 853-8443.
- April 16 North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton at 455-2287 or Bruce McGhan, Calmar at 985-3744.
- April 25 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- May 8 1st Entry date for the 1987 grazing season at Medicine Lake Provincial Grazing Reserve.
- May 15 - 17 Stock Dog Training - Lakeland College, Vermilion Campus. For more information please call 843-8443.
- May 28 North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton at 455-2287 or Bruce McGhan, Calmar at 985-3744.
- June 2 2nd Entry date for the 1987 grazing season at Medicine Lake Provincial Grazing Reserve.
- June 23 3rd Entry date for the 1987 grazing season at Medicine Lake Provincial Grazing Reserve.

June 23, 24 & 25

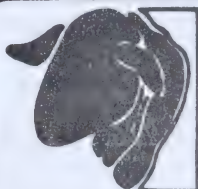
Vermilion Agricultural Society. Vermilion Fair Grounds. Junior Sheep Show July 23, 1 PM, Junior Goat Show July 23 4 PM, Senior Sheep Show July 24-25, 1 PM. PLEASE NOTE CHANGE OF PLANS for Alberta Junior Invitational Sheep Show. It will now be integrated into the Junior Classes at the Fair. For more information call Vermilion Fair Grounds at 853-4108 or Florent vanWageningen at 853-2491.

July 14-19

Red Deer Exhibition. Classic Market Lamb Show. Open to purebred and commerical lambs. Contact Lynann Good at 343-7800 or Jim Kinniburgh at 343-1361.

September 19

Lambs In Lacombe. Family Sheep and Wool Fair. Commercial Ewe Sale. Craft Sale and much much more.



SHEEP CANADA MAGAZINE

Do you want to keep up with what's going on in the CANADIAN sheep industry? Ever wonder who's been winning the shows at the other end of the country or where you could buy a good ram?

Check out SHEEP CANADA. It's the only nation-wide sheep magazine. It's published four times a year and edited specifically for Canadian sheep producers, both large commercial and part-time operators. Articles about new production techniques and old shepherd's tricks plus many other informative articles to keep you, the sheep producer, informed and productive.

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SHEEP CANADA
Box 113, Moosehorn, Manitoba R0C 2E0

Alberta Feed Grain Market Adjustment Program Extended!

The Alberta Feed Grain Market Adjustment Program, due to expire March 31, 1987, has been extended to June 30, 1987 and will continue to provide assistance to producers at a level of \$21.00 per tonne of feed grain until that time. A new program, the Crow Benefit Offset Program, will replace the Feed Grain Market Adjustment Program as of July 1, 1987. Due to an increased supply of grain in Alberta this year, the actual level of distortion occurring in the feed grain market should be less than the \$21.00 per tonne currently being paid. Beginning July 1, 1987, the payment will be reduced to \$13.00 per tonne under the Crow Benefit Offset Program. Producers needing assistance in obtaining benefits under either program should contact their District Agriculture office.

ALBERTA SHEEP & WOOL COMMISSION

24 HOUR MARKET LINE

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THE MARKET LINE PROVIDES LAMB PRICES ON THE FOLLOWING
MARKETS:

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- NORTH CENTRAL SHEEP SALES - EDMONTON
- LAMBLAND FEEDERS - LACOMBE
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SERVING THE SHEEP INDUSTRY, APPLIED RESEARCH FROM
THE UNIVERSITY OF SASKATCHEWAN

MANAGING THE LAMBING PERIOD WITH ESTRADIOL BENZOATE

Dr. Norman C. Rawlings and Dr. W.E. Howell
Departments of Veterinary Physiological Sciences
and Animal and Poultry Science
University of Saskatchewan
Saskatoon, Saskatchewan, S7N 0W0
Tel (306) 966-7357

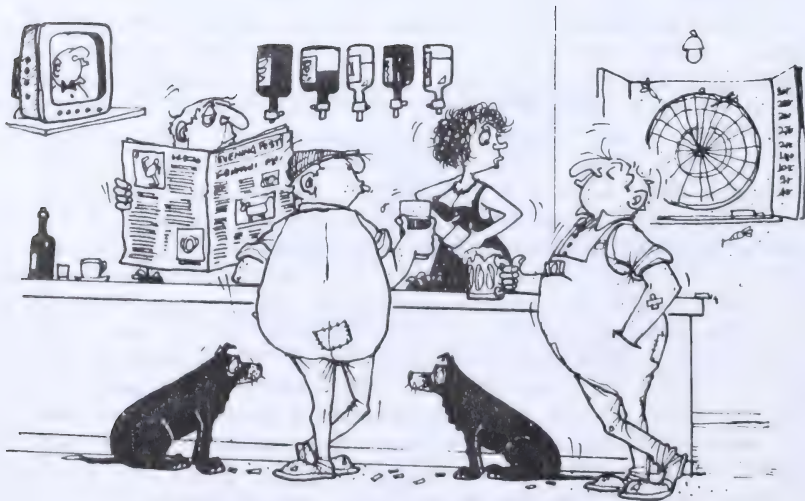
Lambing can be induced in sheep with hormones called glucocorticoids or estrogens. It is not advisable to induce more than a week before expected lambing, as lamb survival may be reduced. Ewes bred in groups, over short periods of time and with approximately known breeding dates, are candidates for induced or synchronized lambing. It has been suggested that induction will shorten the lambing period, even in estrus synchronized ewes, and may even allow weekend or daytime only lambing. Obviously, a short predictable lambing period would allow the producer to optimize his use of labour and facilities and improve his management at lambing time to reduce lamb death losses. However, the use of induced lambing has been largely restricted to induction in problem ewes, not whole flocks.

We investigated the usefulness of induced lambing using estradiol benzoate, an estrogen. We wanted to find the best dose and treatment schedule and to see how well lambing could be synchronized and predicted. We used a flock of intensively managed ewes, consisting of Suffolk, Rambouillet, Suffolk x Finnish Landrace and Rambouillet x Finnish Landrace. The ewes in the flock were managed to lamb 3 times in each 2 year period, with lambings occurring in February, June, and September. These ewes were bred over a 5 day periods, following estrus synchronization and a clean up ram was allowed to stay with the ewes for one more cycle. Pregnancy for these breeds of ewes lasts 147 days on average. Estradiol benzoate treatments were given 142 days after the mid day of the synchronized breeding period.

Giving a single injection of 2 mg of estradiol benzoate at 8 am on day 142 of pregnancy induced lambing after an average of 39 hours in ewes treated in June and September and after 70 hours in ewes treated in February. We have noticed before that ewes lambing after breeding in early fall have a longer pregnancy than ewes bred in May or January. The average length of the lambing period was 3.5 days for induced ewes and 9 days for untreated ewes. The single 2 mg estradiol benzoate treatment at 8 am on the 142nd day of pregnancy also caused more ewes to lamb in the daytime between 8 am and 4 pm; 53% compared to 33% in untreated ewes. Giving estradiol benzoate at other times in the day was not as effective in this respect. There did not appear to be any advantage to using more than one injection of estradiol benzoate and higher doses, up to 15 mg, did not produce better

results. In fact with the 15 mg dose the incidence of lambing difficulty was increased by 500%. With the 2 mg dose the number of lambings requiring assistance and lamb death losses were low and no different from untreated ewes. When ewes were treated about 17 days prior to expected lambing they did not respond. This is in contrast to glucocorticoid treatments, that are effective up to 20 to 30 days prior to lambing. However, it would be advantageous if the effectiveness of estrogens were limited to very late pregnancy, as this would allow synchronization of lambing, but prevent delivery of immature lambs. We need to study this more and see exactly how far before expected lambing estrogens will induce delivery.

In summary, it would appear that a single injection of 2 mg of estradiol benzoate given at 8 am, in the last week of pregnancy, is a safe and effective means of concentrating the lambing period and increasing the number of ewes lambing during the day time.



... so if we count the seven pet lambs, and forget about the five geld gimmers, and if four more yowes drop dead, ... we'll have a 200 per cent lambin' again ...

Wool and Mohair Marketing Workshop

May 1 - 2, 1987



Olds College 

Olds College Extension Services Department
In Cooperation With
Alberta Sheep & Wool Commission
Alberta Agriculture
Agriculture Canada
Custom Woolen Mills Ltd.
Canadian Cooperative Wool Growers

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(revised)
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For More Information

Contact Home Study at (403)427-2404 or your local district agriculturist. Alberta Agriculture's district offices have brochures on hand and samples of each course.

COYOTE PREDATION CONTROL WORKSHOP

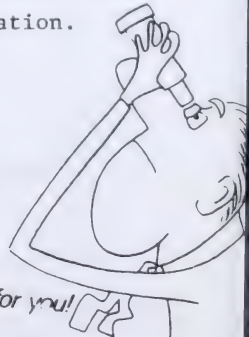
Have you ever had coyote problems with your sheep? Do you think you will or might have coyote problems this year? Have you ever wondered how and why coyotes and other predators can be a serious threat to some producers? Have you ever wondered what you would do if your flock was troubled with coyote predation?

If you answer "yes" to any of these questions you may very well need to attend a Department of Agriculture Coyote Predation Control Workshop. This half day (or long evening) hands-on seminar, designed for producers requires no skills or special training--save a strong desire to protect your livestock. Also, the Coyote Predation Control Workshop is a sharing-participating opportunity where, through open discussion, you can exchange your experiences, expertise and information with us and others on this very important subject.

Your municipal Agriculture Fieldman and Department of Agriculture staff will lead you through proven remedies of coyote damage control in step-by-step fashion and in slow motion detail. Through illustrations and demonstrations you will quickly learn the how and why of coyote and other predator damage, as well as some of the time-honored techniques of preventing coyote predation to livestock.

Workshops are portable and can be conducted almost anywhere so long as there are sufficient registrations. If you are interested in attending a workshop please register with your municipal Agriculture Fieldman at your municipal district or county office. Tell the fieldman you are interested in attending a Coyote Predation Control Workshop and if enough register he will inform you of a workshop date and location. The workshops are free of charge.

sign up...
we'll be looking for you!



SERVING THE SHEEP INDUSTRY, APPLIED RESEARCH FROM
THE UNIVERSITY OF SASKATCHEWAN

INTENSIFICATION OF SHEEP PRODUCTION

Dr. Norman C. Rawlings and Dr. W.E. Howell
Departments of Veterinary Physiological Sciences and
Animal and Poultry Science
University of Saskatchewan
Saskatoon, Saskatchewan, S7N 0W0
Telephone (306)966-7357

The economic success of fat lamb production is hindered by the low annual per ewe lamb output and also the seasonality of production. Ewe productivity can be improved by selection, good management, and the introduction of prolific breeds, such as the Romanov, Booroola Merino or Finnish Landrace. In addition, with pregnancy lasting only 147 days it is possible to have a ewe lamb more frequently than once a year. Lambing twice a year is feasible, but may not be practical, as it would involve weaning shortly after birth and the use of expensive milk replacers. A realistic goal would be to lamb three times in two years. This would improve annual ewe productivity, reduce the seasonality of supply of finished lamb, but still allow the ewe to rear its own lambs to weaning, at 6 weeks after lambing. To maintain ewes on such a programme would obviously require carefully controlled breeding, out of season breeding, good sheep and excellent management. Such programmes are being used in some areas of the world, but have not seen extensive use in North America. Intensive production of this nature could be successful in a total confinement situation, or where ewes were allowed access to drylots or pasture.

The controlled breeding techniques necessary to intensify production as described above are available. Over a 3 year period we applied an intensive production scheme to a flock of commercial ewes, to demonstrate the practical usefulness of this method of production. Our goals were to increase the number of lambs produced by a ewe each year and to eliminate the seasonality of supply of fat lamb. Three hundred ewes were split into 3 groups of 100. Each group consisted of 20 ewes of each of the following breeds and crossbreeds: Rambouillet, Columbia, Suffolk, Finn x Rambouillet, Finn x Columbia, and Finn x Suffolk. One group of 100 ewes were allowed to lamb once a year. The other two groups of ewes managed to lamb 3 times in each period of 2 years, with the lambings of the 2 groups spaced 4 months out of phase with each other. This management system gave 6 lambings in each 2 year period, from the 2 intensively managed groups of ewes.

The breeding programme applied to the 2 intensively managed groups of ewes is shown in Table 1. This breeding cycle lasts approximately 8 months, giving 3 cycles in 2 years. In our scheme the calendar sequence of breedings for the 2 intensively managed groups was September, May, January and May, January, September. At every breeding estrus was synchronized using progestin impregnated intravaginal

Table 1. Breeding cycle for producing 3 lamb crops in 2 years

	Cumulative days	Days between events
Insert intravaginal sponge	0	
Remove sponge	12	12
Mid point of first breeding	14	2
Mid point of clean up breeding	31	17
Mid point of lambing of first bred ewes	161	147
Mid point of lambing of second bred ewes	178	36
Weaning	213	31
Reinsertion of intravaginal sponges	244	

3 x 244 days = 732 days or approximately 2 years

sponges (Veramix, Tuco Products Co.), left in place for 12 days. At sponge removal, each ewe received 500 units of pregnant mares serum gonadotrophin (P.M.S.G.) (Equinex, Ayerst), a drug that improves ovulation rate. Rams were turned in 24 hours after sponge removal at a ratio of 1 ram to 10 ewes and the ewes were bred over a 5 day period, with the bulk in estrus on the second day after sponge removal. Rams were allowed to stay with the ewes for one more estrus. Breeding ewes out of season often results in lowered fertility. To overcome this we subjected May bred ewes to a light control programme designed to induce reproductive activity in the spring. Ewes were exposed to 18 hours of light in January, followed by a weekly decrease of daylength of 45 minutes until breeding. Ewes bred to synchronized estrus lambed over a 9 day period, with about 10% of the ewes lambing 17 days later, or in response to the clean up breeding. Weaning occurred when lambs were 6 weeks old, leaving at least 30 days for the late lambing ewes to be prepared for rebreeding. Not all ewes conceived, or remained pregnant, following the synchronized and clean up breedings. To maintain productivity, ewes were pregnancy tested at between 90 and 100 days of suspected pregnancy, by a blood progesterone hormone test, or using ultrasound equipment. Open ewes were transferred immediately to the other intensively managed group of ewes for rebreeding. Ewes failing to lamb following 2 breeding treatments were culled.

One of the aims of this study was to look at the practical usefulness of intensive production under conditions as close to the farm situation as possible and not involving major capital investment. The ewes were purchased from local commercial producers and they were housed in simple dry lots, with shelter in open fronted pole barns. Light control was done by using wooden sliding doors on the front of the pole barns and by light proofing with wood and black plastic. Absolute light proofing is not needed. Lighting involved 250 W incandescent light bulbs and an inexpensive timer. Ewes lambed in the dry lots and were moved to claiming pens, in an old barn, for 2 to 3 days. This barn was heated to about 0°C. Feeding of the ewes was based on hay and oats and barley, with minerals and water freely available.

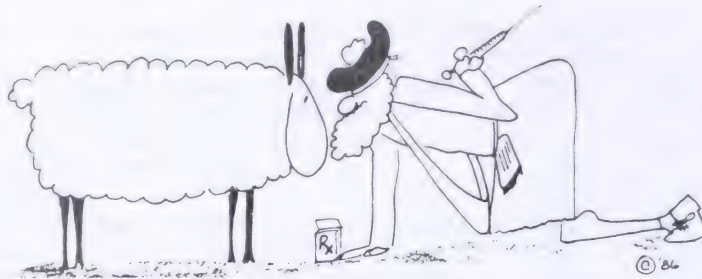
Table 2. Number (mean \pm SE) of lambs born annually for a flock of 100 intensively or nonintensively managed ewes

Management System	Breed of ewe						Overall
	Ramb	Suff	Col	Finn x Ramb	Finn x Suff	Finn x Col	
Intensively Managed	191 \pm 13	206 \pm 22	196 \pm 8	241 \pm 9	239 \pm 12	283 \pm 26	226 \pm 10
Control Ewes	132 \pm 16	152 \pm 19	116 \pm 15	184 \pm 16	216 \pm 36	223 \pm 5	170 \pm 12
% difference	45%	35%	64%	31%	11%	27%	37%

The results of our 3 year trial are summarized in table 2. Here we have taken the results for each of the 3 years and projected from this average number of lambs born annually for a flock of 100 ewes; either intensively managed, or lambing once a year (control). Intensively managed ewes would have lambed 1.5 times a year and the control ewes once a year. Overall, crossbred ewes produced more lambs per year than purebred ewes (231 per 100 ewes v 166 per 100 ewes). Annual lamb production was increased by intensification (37% on average) and the top producing ewes, the Finn x Columbia crossbreds, produced 283 lambs per 100 ewes. Lamb losses to weaning were the same for both management systems, but tended to be higher for lambs produced by crossbred ewes ($15 \pm 4\%$), compared to purebred ewes ($11 \pm 4\%$). Lamb birth weights were not affected by the management system used, or the breed of ewes, but intensively managed ewes weaned lambs about 6% lighter than the ewes lambing once a year and Suffolk and Suffolk cross ewes tended to wean the heaviest lambs of the breeds studied. Annual ewe replacement was 17% in the flock lambing once a year and 25% for ewes in intensive production. Intensive management requires healthy stock, free of chronic disease conditions, the ewes we employed had not been extensively selected.

We would conclude that intensive management, using prolific ewes, can produce lamb crops of between 250 and 300 lambs per 100 ewes, per year, using fairly simple facilities and traditional feeding methods. However, to achieve these levels of production good stock and good management, especially in the areas of flock health, record keeping and nutrition is required. The intensive system described in this article, using 2 groups of ewes lambing 4 months out of phase with each other, would spread lamb supply across the year. The ewe is capable of producing consistently under intensive production, but the success of out of season breeding still needs to be improved. The nutritional requirements for intensive production require further study, as does the affects of intensification on the life span of the ewe.

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59422
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FEE SCHEDULE

The following fee schedule prevails as of 12-12-86. Prices are subject to change without advance notification.

OVINE PROGRESSIVE PNEUMONIA:

Processing charge for each shipment.....	\$2.00
Plate charge (every 28 tests or part thereof)...	\$2.50
1-112 tests (each).....	\$1.50
113-240 tests (each).....	\$1.37
241-480 tests (each).....	\$1.30
481-960 tests (each).....	\$1.24
greater than 961	\$1.17

Average turnaround time is 3 days.

SERUM PROGESTERONE LEVEL (RADIOIMMUNOASSAY)

Processing charge for each shipment.....	\$2.00
Set up fee (per shipment).....	\$8.75
1-10 tests (each).....	\$7.50
11-50 tests (each).....	\$7.20
51-100 tests (each).....	\$6.75
101-500 tests (each).....	\$6.00
greater than 500 test.....	call for quote

Average turnaround time is 24 hours.

FOR EXPORT PERMITS CONTACT CATHY GALLIVAN OR JOHN KNAPP.

To our many friends:

Due to recent increases in the price of raw wool and rising production costs, there will be a price increase on some of our products and services effective APRIL 1st, 1987.

The **GOOD NEWS** is that you still have time to place an order with us and still receive the same low price as before!

This means to the producer that any wool received by us for processing before April 1st will be processed at the old price!

Something New!

With regard to our on-going quality control program, we are pleased to announce that the refurbishing of the machinery involved in the production of spun yarn is now under way!

We had hoped to have this machinery back into production at this time, however, locating the necessary parts has proven to take longer than anticipated. When the machinery is refurbished we will be able to offer an improved product, a yarn that is more uniform and is of the highest quality.

And now, thanks to our recently installed dye tank, all our fine wool yarns and rovings, including Mohair/Wool blends, will be available in a **SELECT RANGE OF FASHION COLOURS!**

Marketing Support

Custom Woolen Mills is interested in the promotion and marketing of Canadian wool in all forms and for a complete marketing strategy for the wool producer to enable him to compete in the market place more effectively. This interest has led to the development of a "Sheep & Wool Marketing Manual" which is made available to any sheep or wool association, producer or other interested party.

As well, Custom Woolen Mills, in conjunction with the Alberta Sheep & Wool Commission and others, will be presenting this information in the form of a "Wool & Mohair Marketing Seminar" to be held at Olds College, (Olds, Alberta) on May 1st & 2nd, 1987.

Please feel free to contact our office for details concerning colours, new products or any other information. Our staff would be pleased to assist you in any way they can. Our hours of business are from 8:00 AM to 5:00 PM, Monday to Friday, and visitors are always welcome.

Sincerely,

Custom
Woolen
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ALBERTA



COUNTRY

"WILDROSE" INVITATIONAL SEEDSTOCK SHEEP SALE

Sponsored by the

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Saturday, AUGUST 29, 1987

Show & Sale at the

OLDS COLLEGE NEW ARENA FACILITY OLDS, ALBERTA

---oo00oo---

 * Having administered and brought the 1986 WORLD SHEEP CON- *
 * GRESS to a most successful conclusion, the ALBERTA SHEEP *
 * BREEDER'S ASSOCIATION now sponsor still another progress- *
 * ive undertaking for the industry through the ALBERTA "WILD *
 * ROSE" COUNTRY event. This will also serve as a quality *
 * preview to the ALL-CANADA SHEEP CLASSIC which is planned *
 * to be held in Alberta during 1988. *

A PRESENTATION BY PROGRESSIVE PUREBRED BREEDERS FROM ALBERTA, AND OTHERS WHO HAVE MADE PARTICIPATION IN ALBERTA EVENTS PART OF THEIR PROGRAMS. ALL-BREED CONTRIBUTORS ARE NOW INVITED TO EVIDENCE THEIR PARTICIPATION INTENT. BREAKDOWNS FOR NOMINATIONS WILL BE FOR THE FOLLOWING:

** FALL & WINTER-BORN RAM LAMBS ** EWE LAMBS - BOTH EXPOSED & UNSERVED
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Breeders will be permitted to enter ONE Ram for every THREE Ewes

ENTRY CLOSING DATE: JUNE 15TH. SOME SUBSTITUTIONS PERMITTED, LIKELY FROM SHOW FLOCKS.

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For specific Regulations & Entry Forms, contact: .

ALBERTA SHEEP BREEDER'S ASSOCIATION, 2504 Toronto Cres. N.W., CALGARY, ALTA. T2N 3V9

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Alberta Sheep Breeders' Association

2504 Toronto Cr. N.W., Calgary, Alberta T2N 3V9
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Olds, AB T0M 1P0
Ph: 556-6732

Reg Marler
53301 Range Road 231
Sherwood Park, AB T8A 4V2
Ph: 467-3179

Jim Kinniburgh
R.R. #2
Red Deer, AB T4N 5E2
Ph: 343-1361

Gordon Cadsand
Box 603
Rimbey, AB T0C 2J0
Ph: 843-6802



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LAMBLAND-FEEDLOT
{ACOMBE



The Classifieds

FOR SALE: 30-40 Suffolk Dorset Cross ewe lambs. Available in May. Lee & Gene Penman, Bittern Lake, phone 352-2949 (3)

FOR SALE: Ewe lambs. February born. Suffolk-Finn, Suffolk-Rambouillet and Suffolk-Finn-Rambouillet crosses. Born twins & triplets from good producing ewes. Katarina Sjoquist and Jonas Ljunggren, Valleyview, phone 524-2465 (early morning best time) (4)

FOR SALE: October-November born ewe lambs will be ready for sale in February - March. Mostly 1/4 Rambouillet, 3/4 Suffolk, ROP records. Deb & Ian Clark, Medicine Ridge Farm, Bentley, phone 748-2624 (3)

FOR SALE: Superior Finn X Dorset ewe lambs. Also registered and commercial yearling Finn rams. Rigorously selected for proven profitable performance. Fred Sohm & Tina Bell, Clearhills Finnsheep, Dixonville, phone 971-2408 (3)

FOR SALE: By Brightbank Finnsheep. Registered Finn sheep. Ram lambs and yearlings. Top quality sheep with production records from a disease-free flock. For information or to arrange visit call Kathy Playdon, Stony Plain, phone 973-0416 (3)

FOR SALE: 400 Rambouillet ewe lambs. January born. Available in May. Average weight 90-100 pounds. \$125.00. Peter Walter, Cayley, phone 395-2125 (3)

FOR SALE: Suffolk cross ewe lambs. Available in May. Joanne Nadon, phone 306-452-3448 after 6 PM please (4)

FOR SALE: 800 ewe flock has replacements for sale. January born. 200 Suffolk x Rambouillet ewe lambs; 200 straight Rambouillet ewe lambs; 25 Suffolk x Rambouillet buck lambs; 25 Rambouillet buck lambs; (Jensen breeding). Flock on R.O.P. - records available; fully vaccinated; high health status. Ed Waldner, Sheep Boss, Old Elm Colony, Box 220 Magrath, phone 758-6627 (4)

FOR SALE: Purebred Hampshire ewe lambs. Born Jan-Feb. 1987. Ready to go soon. \$220.00. Vivian Ceccato, Eckville, phone 746-5633 (4)

WE HAVE A SHEEP to suit your needs! 50 Carriedale X Suffolk Lambs. Purebred Suffolk ram lambs and ewe lambs, twins and triplets. High rate of gain. Born early February. Must go before reach market weight. Visitors welcome. Dee Raven Farms, Mark & Caroline Raven, Morinville, phone 973-6979 (4)

FOR SALE: Meat goat kids. Ursula Jones, Wild Rose Hollow Farm, Athabasca, phone 675-4099 (3)

FOR SALE: 1 purebred registered Angora buck. 2 years old. \$450. Kathy Hill, Okotoks, phone 938-3597 (4)

FOR SALE: Registered Angora bucks. 1-2 yrs old. Mary & Chris Clennell, Stony Plain, phone 963-4450 after six (4)

FOR SALE: Purebred Australian Shepherd pups - versatile stock dog (NOT blue heelers). Jack Plumley, Athabasca, phone 675-3344 (4)

FOR SALE: Australian Shepherd puppies. The ultimate in sheep and cattle dogs. Excellent personal protection and farm dogs. U.S. imported and ASCA registered. First shots & wormed. Blue Merles and Blue Tris. Write Fireside Aussies, Box 421, High Prairie, T0G 1B0, phone 523-2192 (4)

FOR SALE: Border Collie pups. Registered. Born January 6/87. From top working bloodlines. \$200. Vaccinated & wormed. Kathy Playdon, Stony Plain, phone 963-0416 (4)

SHEEP WANTED: Always interested in buying a good flock of sheep. Tom Eggertson, Lousana, phone 749-2280 (4)

WANTED: A tame ram sheep skull with horns and 2 or more curls. Contact Brenda or Randy, Reisker, phone 947-3479 (4)

WANTED: 1 used beam type hog or sheep scale. John or Bonnie Howard, Didsbury, phone 335-9155 (4)

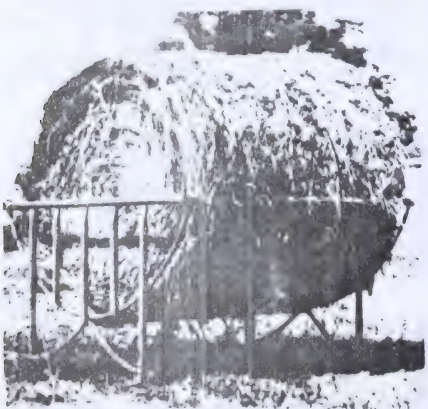
EXPERIENCED SHEARER AVAILABLE. Dave Bruns. Based in Calgary. Herds of 1-1000. \$1.50/head and up depending on flock size. Mohair \$5/head. Foot trimming 75c. Crutching 50c a butt. Sympathy free. Available to spray for keds. Strings & sacks available. I may buy selected fleeces and salted skins (sheep, lamb and stillborn). Call 248-8469 before April 1st. After April 1st contact Aspen Grove Woolen Products at 932-2654 (4)

DON'T GIVE YOUR WOOL AWAY. Upgrade it and make money. We can wash and card your wool into large 36" batts and will return the wool C.O.D. by mail if you wish. We also card mohair and do colour blending. Shirley Wilkinson, Woolacombe Wool, 51109 Range Road 205, Sherwood Park, phone (Tofield) 662-2007 (3)

INTERESTED IN ROMNEYS? Join the Romney Club of Canada. Dues \$5.00/Yr. Breeding Stock Information. 7825 Ross Road, R R #1, Mount Lehman, B.C., VOX 1V0 (3)

MILITARY DOG SELF TRAINING PROGRAM. Attacking & defending self training program. You need protection for yourself and your property? Send \$30 + \$1 for shipping and handling for program to George Moritz, R R #1, Lacombe, Alta., TOC 1S0. Money orders only accepted. (4)

FOR SALE: Metal Round Bale Feeders for Sheep. No more crushed lambs! We're using them and they're great! Rodney Ceccato, Eckville, phone 746-5633 (4)



LAMBING HELP WANTED: Experienced lamber required for two weeks beginning of April. Room and board provided. Phone or write Chris or Betty Harvey, R R #2, Bluffton, TOC OMO, phone 843-3494 (3)

SHEARER AVAILABLE: Available May and June. Phone Garth Hammond, Edmonton, phone 433-7241 (4)

SHEARER AVAILABLE: Contact Reg Lyster, Winfield, Alberta, phone 682-2298 (4)

SHEEP FOOT TRIMMING & FOOT CORRECTING SERVICE. For any foot problems and foot care. For sheep flock with no foot rot - \$2. For flocks with foot rot - \$4. Call George Moritz, Lacombe, 782-2540, after 8 PM (4)

FOR SALE: Hulless oat seed. 2 varieties. Terra - 14% protein, 6.7% fat & 85% germination. Tibor - 17% protein, 7.4% fat & 65% germination. Call Du-mar Seed Farm, Thorhild, 398-3990 (4)

FOR SALE: 480 acres, 400 cleared, 80 bush. 170 acres fenced into 7 pastures with electric sheep fencing. Dugouts in each pasture, 2 - 14 x 80 open front sheds, corrals, chutes, etc., good drainage. House & shop. Suitable for grain, cattle & sheep. Bonanza, Alta., phone 353-2600, Ask for Barry (4)

CUSTOM WOOLEN MILLS. Your complete processing facility. Full range of custom services, including washing of wool and other fibres, dyeing, carding, twisting, spinning, and custom sewing. Ask about our Sheep & Wool Marketing Kit. For more information please contact Custom Woolen Mills Ltd., R R #1, Carstairs, TOM ONO, phone 337-2221 (4)

"NO ORDER TOO LARGE OR TOO SMALL"

THE CANADIAN COOPERATIVE WOOLGROWERS in Stony Plain, Alberta now have in stock a Trace Mineralized Salt with Selenium for sheep. This salt meets the specifications outlined by Dale Engstrom in the February Sheep Footnotes. Available by the Bag. Telephone 963-4343 (4)



EDITOR'S NOTE

Classified Ads and Coming Events may be placed in Sheep Footnotes free-of-charge by contacting:

Janet Smalley
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
T6H 5T6

John Knapp
Sheep Specialist
Bag Service #1
Airdrie, Alberta
T0M 0B0

Ph: (403) 427-5077

Ph: (403) 948-8517

The deadline for Classified Ads and Coming Events is the last day of the month prior to the month of publication.

Coming Events will be run every month from when they are placed until the event. Please Note: Events should be placed in Coming Events at least 6 weeks in advance in order to ensure their publication before they occur.

Classified Ads will run initially for two months, unless cancelled after the first month. After the first two months, ads may be renewed each month by contacting Janet Smalley at 427-5077. Ads must not exceed two column inches in length or they will be edited. Full page ads will be run for one month. If you want your full page ad condensed into a Classified Ad for the next two months, please indicate this when you send in the ad. Sheep Footnotes reserves the right to restrict the length, content and run of any Classified Ad.

EDITORS OF OTHER PUBLICATIONS

Material in Sheep Footnotes may be reprinted in other publications, but source must be stated and content of articles may not be changed without authors' permission.





sheep footnotes



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Editor: Cathy Gallivan
Sheep & Goat Specialist
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
427-5077

Advertising: Janet Smalley
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
427-5077

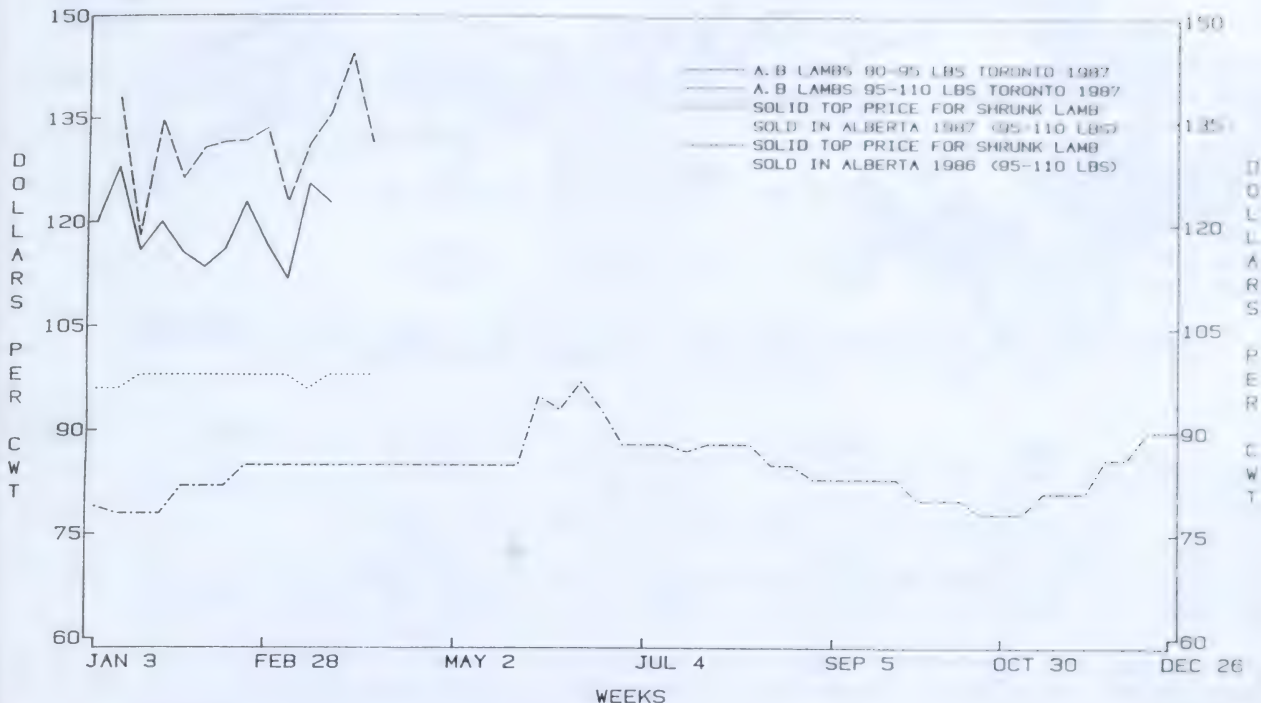


Alberta
AGRICULTURE

Animal Industry Division
Beef and Sheep Branch

MARKET REPORT

WEEKLY AVERAGE SLAUGHTER LAMB PRICES



NOTE: NO OR INSUFFICIENT SALES FOR CERTAIN WEEKS IN TORONTO

Alberta markets traded through March on steady prices and reduced volumes as retail interest for domestic lamb softens. Reports continue to surface regarding the presence of fresh imported lamb at the retail level and the competition this is providing for the movement of fresh Alberta lamb. Good quality 95-110 lb lambs delivered to Lambco have traded at steady money of \$95.00 - \$98.00/cwt live weight (\$2.09 railgrade) since mid-January.

The less stable Toronto market showed a gradual price improvement for 95-110 lb lambs on light deliveries. Good quality, light lambs weighting 80-95 lbs also reported light receipts with average prices dropping from month ago values. Currently, the price spread between 80-95 and 95-110 lambs has narrowed to only a few dollars difference.

Price improvement was more noticeable on new crop lambs and their presence became more evident throughout the month. Deliveries of new crop lambs at the Toronto Public Stockyard totalled 1,217 head from March 2 to 23 and sold for an average price of \$168.40/cwt. New crop lambs averaged 59 lbs over the first four weeks of March.

As the market moves into a seasonally high demand period, expectations are for prices to stay strong, particularly for the new crop Easter lambs. Beyond Easter, as supplies of heavier lambs increase and we move into a seasonally lower demand period prices are expected to reflect weak undertones through the summer. Price support is expected to be eroded by imports of Oceanic product, relative currency levels between trading countries and the competition from other meats and poultry.

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT LAMBCO

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON						
March 1987	95.00-98.00	95.00-98.00	95.00-98.00	95.00-98.00		95.00-98.00
LAST MON						
Feb 1987	95.00-98.00	95.00-98.00	95.00-98.00	95.00-98.00		95.00-98.00
YR AGO MON						
March 1986	82.00-85.00	82.00-85.00	82.00-85.00	82.00-85.00		82.00-85.00
VOLUMES						
March 1987	1,163	1,151	1,165	853		4,332
March 1986	1,255	2,003	4,063	1,697		9,018

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT TORONTO PUBLIC STOCKYARDS
(With Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	101.00-115.00	120.00-135.00	118.00-124.00	N.E.P.		119.37
Mar 1987	(111.81)	(125.52)	(122.80)			
LAST MON	106.00-124.00	113.00-120.00	117.00-125.00	108.00-125.00		117.29
Feb 1987	(113.54)	(116.20)	(122.95)	(116.81)		
YR AGO MON	87.00-108.00	98.00-103.50	103.00-111.00	95.00-123.00		101.75
Mar 1986	(99.27)	(100.91)	(107.42)	(104.17)		
Mar/87 VOLUMES	74	23	118	--		215
AVERAGE WEIGHT	98.6 lb	100.2 lb	104.8 lb	-- lb	1b	101.2 lb

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 80-95 LBS TORONTO PUBLIC STOCKYARDS
(Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	120.00-132.00	122.00-140.00	131.00-146.00	N.E.P.		129.04
Mar 1987	(122.87)	(131.25)	(135.77)	N.E.P.		
LAST MON	119.00-141.00	126.00-138.00	122.00-140.00	115.00-140.00		133.49
Feb 1987	(130.75)	(131.60)	(131.79)	(133.66)		
YR AGO MON	115.00-127.00	113.00-127.00	99.00-126.00	95.00-114.00		113.93
Mar 1986	(121.52)	(121.74)	(107.03)	(105.27)		
Mar/87 VOLUMES	53	37	37	--		127
AVERAGE WEIGHT	86.5 lb	84.1 lb	83.9 lb	-- lb	1b	84.8 lb

Prices quoted for 95-110 lb lambs are bid prices at Lambco and auction prices at Toronto Public Stockyards for good quality lambs. The lower end of the Alberta price range reflects bids for short haul or unshrunk lambs while the upper end of the range represents bids for long haul or shrunk lambs. Producers delivering to the Toronto Public Stockyards pay commission and yardage fees for each animal sold. Producers delivering to Lambco pay \$1/head checkoff to the Alberta Sheep and Wool Commission.

The Toronto auction price is from the Special Sheep and Lamb Sale held on Monday each week.

N.E.P. - No established price

Marilyn Johnson, Market Analyst
Market Analysis Branch
Phone: (403) 427-4002
April 6, 1987

CALGARY EXHIBITION AND

Stampede

JULY 3-12, 1987



Dear Sheep Breeder:

As you may be aware, the 1987 Calgary Stampede will feature major livestock shows. The Sheep section will exhibit from July 6 - 8, 1987, and we are hopeful for a large show. Exhibiting at the Calgary Stampede International Stock Show is a great way for you to present your end product to stockmen from around the world, to give you a better idea of where other breeders are going with their programs, and will present an ideal opportunity for sales and doing business.

Our industry is not a large one, but I know our quality runs very deep and I feel there is no better way to put this point across than to have a strong showing at this International Fair.

For prize lists and further information, contact myself or the Agriculture Department, Calgary Exhibition & Stampede, Box 1060, Calgary, Alberta, 261-0266.

I look forward to seeing you in July.

Yours truly,

A handwritten signature in cursive script that reads "Clarence Jones". The signature is written in dark ink and is positioned below the typed name.

Clarence Jones
Chairman, Sheep Committee





1987

- April 25 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- May 1-2 Wool and Mohair Marketing Workshop. Olds College, Olds, Alberta.
- May 8 1st Entry date for the 1987 grazing season at Medicine Lake Provincial Grazing Reserve.
- May 15 - 17 Stock Dog Training - Lakeland College, Vermilion Campus. For more information please call 843-8443.
- May 28 North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton at 455-2287 or Bruce McGhan, Calmar at 985-3744.
- May 30 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- June 2 2nd Entry date for the 1987 grazing season at Medicine Lake Provincial Grazing Reserve.

STOCK DOG CLINIC

INSTRUCTOR: ELVIN KOPP
MULTIPLE TRIAL WINNER
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STOCK SHOWS

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DEPT. OF EXTENSION SERVICES OLDS COLLEGE.
OLDS, ALTA, TOM IPO 556-8367 OR 556-8344

NAME _____ PH. _____

ADDRESS _____



- June 23 3rd Entry date for the 1987 grazing season at Medicine Lake Provincial Grazing Reserve.
- June 23, 24 & 25 Vermilion Agricultural Society. Vermilion Fair Grounds. Junior Sheep Show July 23, 1 PM, Junior Goat Show July 23 4 PM, Senior Sheep Show July 24-25, 1 PM. PLEASE NOTE CHANGE OF PLANS for Alberta Junior Invitational Sheep Show. It will now be integrated into the Junior Classes at the Fair. For more information call Vermilion Fair Grounds at 853-4108 or Florent vanWageningen at 853-2491.
- June 25 8th Annual Range Ram and Ewe Lamb Sale, Thursday at 1:00 P.M. Fort MacLeod Auction Market. For other details call George Bourassa at 553-3515 or 553-2196.
- July 14-19 Red Deer Exhibition. Classic Market Lamb Show. Open to purebred and commerical lambs. Contact Lynann Good at 343-7800 or Jim Kinniburgh at 343-1361.
- July 22-25 Medicine Hat Exhibition and Stampede. Classes this year include Cheviots, Colombias, Suffolks and Hampshires. For more information contact Box 1298, Medicine Hat, T1A 7N1, phone 526-3979.
- August 29 'Wildrose' Invitational Seedstock Sheep Sale. Olds College New Arena Facility. Contact Barry Wilson, Olds College, 556-8265 or 556-6498.
- September 19 Lambs In Lacombe. Family Sheep and Wool Fair. Commercial Ewe Sale. Craft Sale and much much more.
- November 19-21 1987 Sheep Symposium, Banff Springs Hotel.



LAMBS in LACOMBE

Sept. 19, 1987

Family Sheep & Wool Fair · Commercial Ewe Sale · Craft Sale

E W E L A M B S A L E

We'll be looking for quality Commercial ewe lambs which meet the following requirements:

- 100 lb minimum
- ROP tested
- Full mouth milk teeth
- Less than one inch of wool
- Physically sound
- Free of disease and external parasites
- Lots of at least five animals

Further information and consignment forms in future issues of Sheep Footnotes.



HEAD OFFICE

CARLETON PLACE, ONTARIO

Canadian Co-operative Wool Growers Limited

BOX 130

BRANCHES AND REPRESENTATIONS
ACROSS CANADA

TEL. 416-267-0714
TELEX 053-4803

Carleton Place, Ontario

K7C 3P3

PRESS RELEASE - March 1, 1987

The 1986 wool market made modest increases in returns to growers of 10 to 15 percent compared to the previous lows of 1985. Of particular interest at this time is where the market is going in 1987.

The 1987 wool season is currently showing signs of a strong market and much improved returns to Canada's wool producers.

Medium crossbreed wools in 30 - 34 micron range will probably make the greatest gains. Large weights of this particular wool type have been forward bought by Russian, Japanese and Chinese wool buyers who have become very dominant on the International wool market. This could possibly result in a shortage of this wool type in 1987 and thus the speculative reason for higher prices. In 1986 we sold significant quantities of wool into the United States market because bids from these sources were higher than overseas interests.

Due to the fact that this years wools have not been shorn yet, with the exception of early wools from Southern Alberta and Saskatchewan we will be testing the market in the next few weeks to determine values that may be obtained, but there is really no urgency to forward sell at this point in time. All the indicators point towards a climbing market. There should be good demand but world currency values as always will play a key role in determining selling prices.

We also report at this time a new Grading Statement and Explanation of Grades is now in effect as of the beginning of our new fiscal year March 1, 1987. (sample copy enclosed)

The new Canadian Wool Grading Statement will pay producers more specifically on a grade and yield basis. For example, a grade of Western or Eastern Domestic 3/8 now has three classifications according to yield as well as a three tier pricing schedule. Our aim is to encourage proper fleece care and preparation and to show financial reward to producers for these efforts.

There will also be a greater price differential between offsorts sorted at grading and offsorts sorted by owner. The latter moves quicker through the grading system resulting in an overall time saving, while offsorts seperated at grading is a time consuming exercise. Once again this will give financial reward to those who take the extra time and effort.

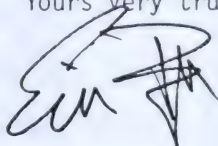
We have introduced a wool handling rebate which will be a refund based on the net weight of a producers wool clip for wool that has been very well packaged and prepared by the producer. The reverse side of the coin will be a scrutiny fee for which there will be a charge for wool clips that have been extremely poorly prepared or contain contaminants that require extra time and labour at grading.

Our overall goal is to improve returns by paying producers more specifically for the product they are producing, a good wool crop.

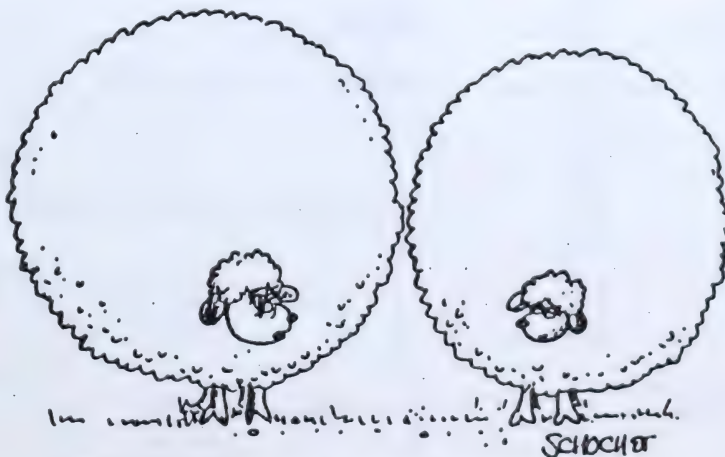
Included on the new sample Grade Statement are the current wool prices effective for the pool period March 1st to June 30th.

Please don't hesitate to contact me if you have any questions.

Yours very truly,



Eric Bjergso
General Manager



"Have you heard anything new on the shearers' strike?"



-10-
Canadian Co-operative Wool Growers
 Limited

WOOL GRADING STATEMENT

NAME WOOL PRICE LIST		LOT NO
ADDRESS MARCH 1, 1987 - JUNE 30, 1987 INCLUSIVE		GROSS WEIGHT
COLLECTOR WOOLS REC'D 1ST WOOL POOL PERIOD		TARE
VIA	SACKS	BAGS
CUSTOMER NO		NET WEIGHT

GRADE NO	RANGE WOOL	LBS	PRICE	TOTAL	GRADE NO	MISC. GRADES	LBS	PRICE	TOTAL
105			1.00		305	LOT A BRIGHT		50	
110	FINE STAPLE		90		310	BLACK REGULAR		40	
115			80		315	LOT B BRIGHT		60	
120			85		320	GREY REGULAR		55	
125	HALF STAPLE		80		325	LOT C BRIGHT		50	
130			70		330	GREY REGULAR		40	
135			75		335	LOW 1/4 BRIGHT		60	
140	RANGE 3/8		72		340	COARSE REGULAR		55	
145			65		400	ROMANOV		10	
150			70		500	SCOTCH BLACKFACE		45	
155	RANGE 1/4		65		600	CANADA CHOICE		80	
160			60		705	ADULT			
165			60		710	MOHAIR KID			
170	RANGE CLOTHING		50		715	STAINED-SEEDY			
175			45		OFFSORTS AND DEFECTIVE GRADES				
180			65		805	CHAFFY & BURRY S.B.O.		35	
185	RANGE LAMBS		60		810	S.A.G.		30	
190			50		815	LOCKS & PIECES S.B.O.		30	
					820	S.A.G.		20	
DOMESTIC WOOL					825	TAGS S.B.O.		10	
205	WESTERN DOMESTIC 3/8		70		830	S.A.G.		05	
210			65		835	MOTHY, DISCOLOURED & DAMAGED		35	
215			60		840	GREY & BLACK CLOTHING		35	
220	WESTERN DOMESTIC 1/4		65		845	GREY & BLACK CHAFFY		35	
225			60		850	WHITE COTTS		35	
230			55		855	BLACK COTTS		20	
235	EASTERN DOMESTIC 3/8		70		860	BED BATTS		25	
240			65		865	SCOTCH BLACKFACE COTTS		25	
245			60						
250	EASTERN DOMESTIC 1/4		65						
255			60						
260			55						
265	DOMESTIC CLOTHING		55						
270			50						
275			45						
280			60						
285	DOMESTIC LAMBS		55						
290			50						

SUB-TOTAL "B" \$

TOTAL "A" & "B" \$

CREDIT	FREIGHT REBATE	\$	
	WOOL HANDLING REBATE	\$	
		\$	
			TOTAL CREDIT \$

DEBIT:	SACKS & TWINE	\$	
	LOCAL FREIGHT	\$	
	CARLOAD FREIGHT	\$	
	CHECK-OFF	\$	
	SUPPLIES	\$	
	SCRUTINY FEE	\$	
			TOTAL DEBIT \$

CHEQUE NO

SUB-TOTAL "A" \$

GRAND TOTAL \$

DATE REC'D _____ DATE GRADED _____

GRADER _____

DETAILS & COMMENTS:

WANT HIGHER PRICES FOR YOUR LAMB AND MUTTON?



CALL Gibmar Meats
922-2170

If your lamb or mutton qualifies for blood by-product, we will custom kill no charge.

Cutting and wrapping as per your request 20¢/lb rail weight.

Increase your flock quality - we buy cull ewes that qualify for blood production as well.

JEAN RENE LAPIE
I.S.A.B.
Rue Pierre Waguet
B.P. 313
60.026 Beauvais
Cedex, France

This gentleman and a friend are looking for work on a sheep farm in Canada for 6-8 weeks in July and August 1987. Have visited Canada before and would like to return to fulfill requirements for degree in Agriculture and further improve English-speaking ability.

ECONOMIC SURVIVAL (Updated March 3, 1987)

John Knapp, Sheep Specialist, Alberta Agriculture
 Bag Service #1, Airdrie, Alberta TOM OBO (403) 948-8517

Let's begin our quest for economic survival by asking ourselves the all important question "How Much Debt Can My Sheep Operation Support?".

Not much! In fact, if you are lambing at the rates most producers are, your operation cannot support any debt at all. A recent economic survey of 196 Alberta sheep operations discovered that the average lamb crop weaned was only 120%. Even the top 1/5 of operations averaged only a 130% crop weaned. As the tables following show, these dismal levels of production do not allow a sheep operation to carry any debt load whatsoever - a producer would have to own outright his land, buildings and flock, simply to cover his cash costs. However, at the much higher levels of production a few producers are achieving a sheep operation will cover all cash costs, provide a living for the producer and his family, and allow him to make payments on his mortgage.

Let's tackle the question of how much debt an operation can support by first looking at the cash costs of production. We base our costs on an economic unit of 600 ewes and 20 rams. The ewes average 175 pounds body weight at breeding time and are fed for 200 days.

TABLE I CASH COSTS

	<u>UNIT PRICE</u>	<u>AMOUNT</u>	<u>TOTAL</u>	<u>YOUR FIGURES</u>
Hay and Greenfeed	\$55/Ton	310 Tons	\$17050	_____
Grain and Screenings	\$55/Tonne	42.3 Tonnes	2327	_____
Co/I Salt	20.9¢/Kg	2818 Kg	589	_____
1:1 Mineral	46.2¢/Kg	1409 Kg	651	_____
Bedding Straw	\$30/Ton	31 Tons	930	_____
<hr/>				
Shearing	1.75/head	620 head	1085	_____
Vet/Med	4.25/head	620 head	2635	_____
Repair & Maintenance			1668	_____
Utilities			600	_____
Corral Cleaning			1240	_____
<hr/>				
Insurance			362	_____
Vehicle Operating			1797	_____
Property Taxes			160	_____
Marketing			3150	_____
Legal & Accounting			500	_____
<hr/>				
Misc. Supplies	\$1.50/head	620 head	930	_____
Ram Replacement			2014	_____
Dog Food	\$1.36/kg	164 Kg	223	_____
Pasture Costs (includes trucking herding, salt etc.)	\$10/A.U.M.		6200	_____
Hired labour 500 hrs @ 6.53/hr			3265	_____
Interest (25% of Cash Cost @ 11%)			1303	_____
<hr/>				
Total Ewe & Ram Costs			\$48679.00	
Cash Cost/Ewe			\$ 81.13	

TABLE II LAMB CASH COST (WINTER LAMBING)

	Amount/Lamb	Unit Price	Total	Your Figures
18% Starter Creep	7 kg	20¢/kg	\$ 1.40	_____
16% Grower	41 kg	16½¢/kg	6.77	_____
14% Finisher	91 kg	14.85¢/kg	13.51	_____
Co/I Salt	0.5 kg	20.9¢	.10	_____
7 Way Clostridial Vaccine	2 x 2 cc	6¢/cc	.24	_____
Ear Tags	1	11¢/tag	.11	_____
Rubber Rings	1	2 x/Ring	.02	_____
LAMB COST/HEAD			\$22.15	_____

TABLE III LAMB CASH COST (SPRING LAMBING)

	Amount/Lamb	Unit Price	Total	Your Figures
12% Finisher on 50% lambs	64 kg x .5 = 32 kg	10¢/kg	\$3.20	_____
7 Way Clostridial Vaccine	2 x 2 cc	6¢/cc	.24	_____
Ear Tags	1	11¢/tag	.11	_____
Rubber Rings	1	2 x/Ring	.02	_____
Dejectable Dewormer	2 cc	11¢/cc	.22	_____
Pasture (Unweaned lambs)	120 day	.09¢/day	1.08	_____
Trucking		\$1/head	1.00	_____
LAMB COST/HEAD			\$5.87	_____

Taking the cash costs of production in Tables I - III we derive net returns per ewe using the following assumptions:

- (1) After death loss and retention of replacements market 25 percentage points less than % born.
- (2) Assume average liveweight of lamb is 105 lbs.
- (3) Gross return per ewe includes returns on lambs at various prices plus \$5/ewe return on sale of wool and cull ewes.
- (4) To account for increased use of milk replacer, higher death loss, lower birth weights leading to slightly longer feeding period, and extra grain fed during flushing and lactation, cash cost/ewe is increased as follows: by \$6 at 200% born; \$8 at 225%; \$10 at 250%; \$12 at 275% and \$14 at 300%.

TABLE IV WINTER LAMBING

		PRICE/LB.								
		65¢		75¢		85¢		95¢		
%	%	Gross	Return/	Gross	Return/	Gross	Return/	Gross	Return/	
born	Marketed	Return	Ewe over	Return	Ewe over	Return	Ewe over	Return	Ewe over	
		per	Cash	per	Cash	per	Cash	per	Cash	
		Ewe(\$)	Costs(\$)	Ewe(\$)	Costs(\$)	Ewe(\$)	Costs(\$)	Ewe(\$)	Costs(\$)	
75	50	97.74	39.13	- 58.61	44.38	- 53.36	49.63	- 48.11	54.88	- 42.86
90	75	103.28	56.19	- 47.09	64.06	- 39.22	71.94	- 31.34	79.81	- 23.47
95	100	108.82	73.25	- 35.57	83.75	- 25.07	94.25	- 14.57	104.75	- 4.07
95	125	114.36	90.31	- 24.05	103.44	- 10.92	116.56	+ 2.20	129.69	+ 15.33
95	150	119.89	107.38	- 12.51	123.18	+ 3.92	138.88	+ 18.99	154.63	+ 34.74
90	175	131.43	124.44	- 6.99	142.81	+ 11.38	161.19	+ 29.76	179.56	+ 48.13
95	200	138.97	141.50	+ 2.53	162.50	+ 23.53	183.50	+ 44.53	204.50	+ 65.53
90	225	146.50	158.56	+ 12.06	182.19	+ 35.69	205.81	+ 59.31	229.44	+ 82.94

TABLE V SPRING LAMBING

		PRICE/LB.									
		65c			75c			85c		95c	
% Born	% Marketed	Cost of Production (\$)	Gross Return per Ewe(\$)	Return/ Ewe over Cash Costs(\$)	Gross Return per Ewe(\$)	Return/ Ewe over Cash Costs(\$)	Gross Return per Ewe(\$)	Return/ Ewe over Cash Costs(\$)	Gross Return per Ewe(\$)	Return/ Ewe over Cash Costs(\$)	
75	50	85.33	39.13	- 44.20	44.38	- 40.95	49.63	- 35.70	54.88	- 30.45	
100	75	87.00	56.19	- 30.81	64.06	- 22.94	71.94	- 15.06	79.81	- 7.19	
125	100	88.47	73.25	- 15.22	83.75	- 4.72	94.25	+ 5.78	104.75	+ 16.28	
150	125	89.93	90.31	+ .38	103.44	+ 13.51	116.56	+ 26.63	129.69	+ 39.76	
175	150	91.40	107.38	+ 15.98	123.18	+ 31.78	138.88	+ 47.48	154.63	+ 63.23	
200	175	98.87	124.44	+ 25.57	142.81	+ 43.94	161.19	+ 62.32	179.56	+ 80.69	
225	200	102.33	141.50	+ 39.17	162.50	+ 60.17	183.50	+ 81.17	204.50	+102.17	
250	225	105.81	158.56	+ 52.75	182.19	+ 76.38	205.81	+100.00	229.44	+123.63	

Tables IV and V look pretty grim don't they! The message is clear. In an average year (75c/lb) there's no money in the sheep business if you can't produce at least a 200% lamb crop.

There is one ray of hope. Tables IV and V are based on a 105 lb. lamb. Lambs in excess of 130 lbs. are now being sold on a regular basis in the Western United States. Research at the Alberta Ram Test Station suggests most existing breeds have the capability to produce lean, desirable 150 lambs. Let's assume we could market a 150 lb. lamb at 80c/lb. and that the cost of the additional 45 lbs. gain was 35c/lb. At a 200% crop born we would realize an extra \$35.44 return/ewe. This small increment in weight would reduce our break even point by a staggering 75% lamb crop. When the day of heavier lambs without penalty comes - and come it must - the sheep industry will look a whole lot more attractive! Now let's answer our key question (how much debt can my sheep operation support) by using the following assumptions:

- (1) The sheep industry like other segments of agriculture is fraught with risk - an abortion storm, a late spring blizzard, a serious dog attack, a batch of poisoned feed, a price drop to 55c, etc. To allow for this risk we reduce our flock return over cash costs by 10% of the cost of production.
- (2) Multiply "return/ewe over cash cost" by 600 to obtain a flock return over cash costs.
- (3) Recent surveys in Alberta indicate that the average farm family spends \$20-\$25,000 cash per year on living costs. Therefore let's deduct \$20,000 living costs from the risk-reduced flock return over cash costs to derive a "residual for debt servicing" amount.
- (4) Most mortgages on farm land are for 20-25 year terms. Most loans for livestock, buildings and machinery are for 5-10 year terms. Assume therefore that the average repayment period for the capital loans on our farm is 15 years. (Remember we have already paid interest on our operating loan in table I.) Let's assume that the average interest rate on these loans is 10%. Using a table entitled Capital Recovery Factors (available in most economic texts or from your banker), we find that the factor for a 15 year amortized loan at 10% interest is .1315. Divide this into the residual for debt servicing figure to determine how large a loan our sheep operation can support.

The foregoing assumptions can be worded into a simple formula:

$$\frac{[(\text{Return/Ewe Over Cash Costs} - 10\%) \times 600] - 20,000}{.1315} = \text{maximum debt}$$

This formula results in Tables VI and VII.

% marketed	PRICE/LB.							
	65c		75c		85c		95	
	Residual for Debt Servicing (\$)	Maximum Debt Operation Can Carry (\$)	Residual for Debt Servicing (\$)	Maximum Debt Operation Can Carry (\$)	Residual for Debt Servicing (\$)	Maximum Debt Operation Can Carry (\$)	Residual for Debt Servicing (\$)	Maximum Debt Operation Can Carry (\$)
50	-61028	NIL	-57878	NIL	-54728	NIL	-51578	NIL
75	-54452	NIL	-49730	NIL	-45002	NIL	-40280	NIL
90	-47870	NIL	-41570	NIL	-35270	NIL	-28970	NIL
95	-41294	NIL	-33416	NIL	-25544	NIL	-17666	NIL
90	-34700	NIL	-25532	NIL	-15800	NIL	- 6350	NIL
75	-32078	NIL	-21056	NIL	-10028	NIL	+ 994	\$ 9078
90	-26822	NIL	-14222	NIL	- 1622	NIL	+10978	100255
95	-21554	NIL	- 7376	NIL	+ 6796	\$62064	+20974	191543

% marketed	PRICE/LB.							
	65c		75c		85c		95	
	Residual for Debt Servicing (\$)	Maximum Debt Operation Can Carry (\$)	Residual for Debt Servicing (\$)	Maximum Debt Operation Can Carry (\$)	Residual for Debt Servicing (\$)	Maximum Debt Operation Can Carry (\$)	Residual for Debt Servicing (\$)	Maximum Debt Operation Can Carry (\$)
50	-51638	NIL	-49688	NIL	-46538	NIL	-43388	NIL
75	-43706	NIL	-38984	NIL	-34256	NIL	-29534	NIL
90	-34442	NIL	-28142	NIL	-21842	NIL	-15542	NIL
95	-25166	NIL	-17288	NIL	- 9416	NIL	- 1538	NIL
90	-15896	NIL	- 6416	NIL	+ 3004	+27433	+12454	+113735
75	-10592	NIL	+ 430	+ 3926	+11458	+104639	+22480	+205296
90	- 2636	NIL	+ 9964	+ 90995	+22564	+206063	+35164	+321132
95	+ 5302	+ 48420	+19480	+177899	+33652	+307324	+47830	+436803

Tables VI and VII look really grim! At the level of production the vast majority of producers are achieving you would still require an off-farm job to indulge yourself in the luxury of keeping sheep.

You may be inclined to say to yourself "These figures can't possibly be right." Unfortunately they are very near the truth. Proof of this comes in the enormous failure rate (estimated at 90%) in sheep operations financed by the Federal Farm Credit Corporation and Provincial Agriculture Credit Agencies. The problem is not limited to Canadian producers. At a recent meeting of the American Sheep Producers Council a major U.S. lender stated that 4 out of every 5 sheep loans he had made were in arrears and the situation was growing steadily worse. If these figures are untrue how else do we explain the incredibly transient nature of sheep flocks, the ritualistic passing on of the flock every 3 years from one disillusioned producer to another naive beginner armed with the silly notion that a 150% lamb crop is great? How else do we explain the mood of desperation amongst those who are "hanging in there" supporting their sheep operations with outside income?

The message is clear. Unless we improve our level of productivity fast we are not going to have something we can call an industry. This should not come as a great surprise. Other segments of agriculture have faced similar situations. Several decades ago the dairy and poultry industries were challenged to double and triple their level of productivity. They were able to meet that challenge and as a result have survived and prospered. Here are nine management options which I believe will help the sheep industry meet that challenge:

1. Consider railgrading

As a producer of course, you have the option of selling your lambs either "railgrade" or "liveweight". If you choose to sell "railgrade" you receive a certain price per pound for the hot dressed carcass weight of your lamb (kidneys in, liver out). The current Lambco railgrade price is \$2.09/lb. (March 3/87) for lambs grading A1, A2 weighing up to 58 lbs. Lambs which fall outside this range are subject to the price discounts outlined in Table I.

TABLE I

LAMBCO RAILGRADE PRICE GRID
(March 3/1987)

<u>GRADE</u>	<u>PRICE DISCOUNT</u>		
	<u>WEIGHT (Lbs.)</u>	<u>WEIGHT (Lbs.)</u>	<u>PRICE DISCOUNT</u>
A1, A2	58 and under		NIL
	58.1 - 63		25c
	63.1 - 66		50c
	66.1 +		75c
A3 (fat)	52 and under		15c
	52.1 - 58		20c
	58.1 - 63		40c
	63.1 - 66		65c
A4 (very fat)	66.1 +		90c
	52 and under		20c
	52.1 - 58		25c
	58.1 - 63		45c
	63.1 - 66		70c
	66.1 +		95c

B1, B2	52 and under	16c
(under-	52.1 - 58	21c
finished)	58.1 - 63	36c
	63.1 - 66	51c
	66.1 +	76c
C1, C2	66.1 and under	70c
(Junk)	66.1 +	95c
Ewes		
D1,D2		Nil
D3 (overfat)		25c
D4 (emaciated)		25c
Rams		
E grade		passed or condemned but not docked

If you opt to sell liveweight you are paid a certain price/lb. for your lambs based on their weight as they cross the scale at Lambco. If you live a long way from the plant and ship through an assembler you will be paid on the weight of lamb as it crosses his scale, less a certain % shrink which corresponds to the actual weight loss the lamb will undergo on its trip to Lambco. The current Lambco liveweight price is 95c - 98c/lb.

The advantage to selling railgrade is based on the dressing % of your lambs. Let's examine this by following 2 very different lambs through the system.

"Lambchops" is a rapidly growing newcrop lamb born in January on your farm 300 miles from Lambco. Just prior to loading, "Lambchops" weighs 109 lbs. During his journey to Lambco he loses 4 lbs. shrink and arrives weighing 105 lbs. Using Table II we can see that if you opt to sell on a liveweight basis "Lambchops" is worth 105 lbs. x \$.98 = \$102.90. On the other hand if you opt to sell on a railgrade basis, and "Lambchops" dresses out at 51% he is worth 105 lbs. x .51 x \$2.09 = \$111.92. The same lamb is worth \$9.00 more railgrade versus liveweight!

TABLE II

COMMON RANGE OF DRESSING % ON
NEW CROP LAMBS*

DRESSING %	RAILGRADE RETURN (\$1.70/lb.)	LIVEWEIGHT RETURN (82c/lb.)	ADVANTAGE TO RAILGRADE
48	105.34	102.90	+ 2.44
49	107.53	102.90	+ 4.63
50	109.73	102.90	+ 6.83
51	111.92	102.90	+ 9.02

*Assume lamb is 105 lbs. liveweight at Lambco, 120 days old, carrying 2.5 lbs. wool.

Of course it's unrealistic to expect that every lamb will grade perfectly. Let's suppose you ship 100 lambs which average 105 lbs. live at the plant and dress out at an average of 50%. In your shipment 90 lambs grade A1, A2, 5 grade A3, 2 grade B, 1 grades C, and 2 are 60 lbs. carcass weight. Using the discounts in Table I the shipment would be worth \$10,835.41 for an average value of \$108.35/lamb. On a liveweight basis each lamb is worth \$102.90. It might be realistic therefore to expect approximately \$5 extra/lamb by opting to railgrade newcrop lambs.

A note of caution - during the heavy run of lambs in the summer months, a lamb may not be killed within 24 hours of arriving at the plant. Additional shrink may occur. However, railgrade lambs do receive priority on the killing floor. Ask your lamb buyer about this.

Now lets look at "Slowpoke," an oldcrop lamb 11 months of age who weighs 109 lbs. prior to shipping. He has developed a sizeable rumen and is carrying 6 lbs. of wool to which is attached 6 lbs. of dried manure. As you can see from Table III if you opt to sell "Slowpoke" liveweight he is worth $105 \times \$.97 = \101.85 . On the other hand if you opt to railgrade him and he dresses out at 44% he is worth $105 \times .44 \times \$2.09 = \96.56 . Railgrade in this case appears to cost you about \$5. Beware. It's difficult to fool the packer. If you arrive with a load of very poor quality lambs thinking you are going to make a killing selling liveweight you may be very surprised to hear the lamb buyer say "Although the price is 95 - 98c today, this load is full of B's and C's, so I can only give you 75c/lb. liveweight."

TABLE III

COMMON RANGE OF DRESSING % ON
OLD CROP LAMBS
(105 lbs. live at Lambco)

DRESSING %	RAILGRADE RETURN (\$1.70/lb.)	LIVEWEIGHT RETURN (80c/lb.)	ADVANTAGE TO RAILGRADE
44	96.56	101.85	- 5.29
45	98.75	101.85	- 3.10
46	100.95	101.85	- .90
47	103.14	101.85	+ 1.39

If you are weighing your lambs prior to shipping you should not have a serious problem with carcasses over 58 lbs. If you are concerned about the amount of finish on your lambs try shipping half your lambs railgrade. You may be pleasantly surprised by your railgrade returns. In reality there are many more "Lambchops" lambs than "Slowpoke" lambs in the system. In fact, probably 95% of the winter born, concentrate fed lambs on your farm will fit into the "Lambchops" category. Consider railgrading these lambs. It could be worth a lot of money to you.

Lambco determines the railgrade price by taking the top end of the liveweight price and dividing by .47. For example, the liveweight price on March 3, this year was 95-98c. If you divide 98c by .47 you will arrive at the figure \$2.09 which is in fact the railgrade price on March 3. The important point to note is that the higher the liveweight price, the larger the actual dollar advantage to railgrading if your lambs dress above 48%. For example, in 1983 the price per lamb bottomed out at 52-54c live or \$1.15 railgrade.

Assuming you received top liveweight price for a lamb it would have been worth 105 lbs. x 54¢ = \$56.70. On the other hand, assuming no tissue shrink took place, if that lamb dressed out at 50% of its original 109 lb weight (most lambs under 150 days of age, which have been concentrate fed will dress out at 49-51%) its carcass would have weighed 54.5 lbs. That lamb railgraded would have been worth 54.5 lbs. x \$1.15 = \$62.68. You can see therefore that the advantage to railgrading in this situation worked out to about \$6.00.

Let's take that same lamb and ship it today at much higher prices and see what the dollar difference is. On a liveweight basis at 98¢/lb. that lamb would be worth 105 lbs. x 98¢ = \$102.90. On the rail, that same lamb would be worth 54.5 lbs. x \$2.09 = \$113.91. Now the difference between liveweight and railgrading is about \$11! As you can see when the price of lamb increases the actual dollar difference between liveweight price and railgrade price for lambs which dress at a high percentage also increases.

The moral of the story: when lamb prices are high there is even more reason to examine the feasibility of railgrading if you think you have lambs which will dress out at a high percentage.

2. The Impact of Growth Rate On Profit Margin

Most sheep producers acknowledge growth rate is a highly important economic trait. They realize that slower growing lambs require more feed (or grass) to get to market. By hard experience they also know that the price drop in a falling market can cost them \$10/lamb in as short a time as 2 weeks.

Most sheep breeds fall into 2 major classes - the whitefaced or "mother" breeds and the blackfaced or "terminal sire" breeds. ("Terminal sire" implies that all of a ram's offspring are destined for slaughter. These offspring should inherit fast growth rate and desirable carcass qualities from their sire.)

The table below outlines the growth rates of the 6 breeds tested at the 1986 Alberta Ram Test Station. The weighted average growth rate for the terminal sire breeds (Suffolk and Hampshire) is .51 Kg/day. The average for the 4 whitefaced breeds is .41 Kg/day - a difference of .10 Kg or almost a quarter lb/day. Let's take this difference of .10 Kg/day and work out what impact it might have on our profit margin.

1986 ALBERTA RAM TEST STATION

BREED AVERAGES

<u>BREED</u>	<u>A.D.G.</u>
SUFFOLK	.516 Kg/day
HAMPSHIRE	.478 Kg/day
DORSET	.445 Kg/day
RAMBOUILLET	.422 Kg/day
POLYPAY	.366 Kg/day
COLUMBIA	.443 Kg/day

Assuming a lamb is 5 Kg at birth and we market him at 50 Kg liveweight we are putting on 45 Kg gain. To put this gain on a pure whitefaced lamb would take 45 Kg / .41 Kg/day = 110 days. To put this gain on a pure terminal sire breed lamb would take 45 Kg / .51 Kg/day = 88 days. The difference is 22 days to market.

A lamb in the 40-50 Kg liveweight range will easily consume 2 Kg of feed per day. If this feed costs 10c/Kg it costs us about 20c per day to keep this lamb. If we have to keep him 22 days longer it costs us $20c \times 22 = \$4.40$ extra feed to get him to market - and of course we lose \$4.40 profit!

Now many producers have good reasons for wanting to maintain a whitefaced ewe flock - out of season lambing ability, flocking instinct, smaller ewe size, hardiness, longevity, wool yield and quality, etc.

Assuming therefore that these producers might only be interested in crossing their whitefaced ewes with terminal sires they would be producing lambs which grew at a rate intermediate between the 2 breed types. The savings in feed costs therefore would be one half of the \$4.40 or \$2.20. In a flock of 600 ewes producing 1200 lambs annually (there's no money in the sheep business lambing at less than 200%!) the saving would amount to an astonishing \$2,640!

There is a further advantage to crossing with terminal sire breeds. Producers who lamb in the winter are under real pressure to get their lambs marketed as early as possible. By early summer when the supply of lamb is plentiful and consumer demand has lessened, the price plunges like a rocket. As you can see from the table below, in 1983 the price at Lamco fell \$.17/lb. in one 17 day period. Pure whitefaced lambs require 8 - 17 days longer than Suffolk or Hampshire cross lambs to get to market. Each 105 lb. lamb marketed at the lower price therefore costs \$17.85 income loss!

June 21, 1983 Price	72 - 74¢
17 Days Later (July 8)	55 - 57¢
Price Drop	17¢/Lb.
Loss on 105 Lb. Lamb	\$17.85

In a flock producing 1200 lambs annually of which 1050 are marketed, the potential income loss from producing these slower growing pure whitefaced lambs would be $1050 \times \$17.85 = \$18,743$. More realistically, if we assume a producer gets caught marketing only 30% or 315 of his lambs after the price drop the real loss in income would still amount to a staggering \$5,623!

To add insult to injury the producer may discover when he attempts to market these slower growing lambs that the plant is now fully booked and cannot take delivery for a month. He loses another \$2,646 in additional feed costs and \$2,067 in price penalties for overweight lambs!

Of course improving growth rate does not automatically mean crossbreeding. At the 1986 Alberta Ram Test Station the top end of whitefaced rams grew much faster than the bottom end of Suffolk and Hampshire rams. These faster growing whitefaced rams would have been better choices for terminal sires than the bottom end of the terminal sire breeds. It could be a serious mistake therefore to buy a terminal sire simply on the basis of his face colour. Rather, purchase a ram on the basis of his growth rate because such a large percentage of this highly heritable trait is transmitted to his offspring. If a ram has gone through a test station we know exactly how he stacks up for growth rate compared to the other rams and can buy accordingly. If buying privately, we should ask to see R.O.P. records and choose a ram with a growth rate index well over 100 indicating he has grown much faster than the average ram in the flock.

Having said we should buy a terminal sire on the basis of growth rate rather than breed, the odds are still heavy that a Suffolk or Hampshire ram will do the job best. Assuming therefore that improving growth rate in large whitefaced commercial flocks means crossing with a blackfaced ram we have one final economic advantage to consider. Clearly, nature intended animals to crossbreed as widely as possible because she provides a large bonus for this in the form of improved fitness.

This improved fitness is generally called hybrid vigour or heterosis and has been carefully measured in sheep by geneticists all over the world. As a general rule when we compare crossbred lambs born to purebred ewes against purebred lambs born to those same ewes we find 3% more crossbred lambs survive in the womb and 8-14% more crossbred lambs survive between birth and weaning. If we value lambs at \$90 each and very conservatively estimate the crossbred advantage at only 5% more lambs marketed, we still discover heterosis has produced an unexpected bonus of \$4,725 in additional income!

SUMMARY - IMPACT OF USING FASTER GROWING TERMINAL SIRES

FEED SAVING FROM FEWER DAYS TO MARKET	\$ 2,640
FASTER GROWING LAMBS HIT MARKET BEFORE PRICE DROPS	\$ 5,623
SLOWER GROWING LAMBS HIT PLANT WHEN FULLY BOOKED REQUIRING ONE MONTH HOLD OVER:	
- EXTRA FEED FOR 30 DAYS	\$ 2,646
- PRICE PENALTIES FOR OVERWEIGHT LAMBS	\$ 2,067
HETEROSIS FROM CROSSBREEDING	\$ 4,725
TOTAL YEARLY IMPACT	<u>\$17,701</u>
NET PER LAMB	\$14.75

Clearly, if you are not using fast growing terminal sires in your whitefaced commercial flock, you owe it to yourself to try them. The \$17,701 above is a realistic estimate of the impact growth rate might have on your profit margin each year. If even half of this difference materializes, over a ten year period it still amounts to almost 1/10 of a million dollars! For you as a sheep producer this could mean the difference between prosperity and failure.

3. Consider Manufacturing Your Own Lamb Grower Ration

Many producers purchase complete pelleted feed company rations for the entire feeding period of their concentrate fed lambs. (We have assumed this in the costs reported in Table II) In a large flock they could be losing \$5,000 - \$8,000 net income per year through following this practice! A price survey I conducted in Alberta produced the following results:

SURVEY OF FEED PRICES IN ALBERTA (March/87)

<u>Feed</u>	<u>Protein %</u>	<u>Average Price (Bulk/Tonne)</u>
Barley	11	\$ 55
Starter Creep	18	200
Grower	16	165
Finisher	14	140
Dairy Supplement (no urea)	32	270
Beef Supplement (urea)	32	184
*30/70 use	32	210

*30/70 use assumes the use of approximately 30% dairy supplement and 70% beef supplement in the finishing period for lambs as they are slowly phased off the non urea dairy supplement onto the urea based beef supplement.

Now let's feed a 14% finishing ration. Using the same Pearson square technique we come up with the following costs.

86% x \$ 55 =	\$ 47.30
+ 14% x \$210 =	29.40
Total	\$ 76.70/Tonne

Feed 91 Kg cost = \$ 6.98

The table below compares the cost of the two rations.

<u>FEED</u>	<u>PELLETED PRICE</u>	<u>OUR OWN</u>
Starter Creep	\$ 1.40	\$ 1.40
16% Grower	6.77	4.37
14% Finisher	13.51	6.98
Total	\$21.68	\$12.75

As you can see, by manufacturing our own ration we save \$8.93 per lamb. In a flock feeding 1200 lambs that works out to a staggering \$10,716 reduced expenditure!

The foregoing does not suggest that we can forsake the services of a feed company altogether. On the contrary, their nutritional expertise, and the precision equipment they have on hand allows them to be valuable allies to the sheep producer in manufacturing custom protein supplements that properly balance the ration. Combining the expertise of the feed company with the cost advantages of whole grain is one of the most effective ways of maximizing profit in the sheep business!

4. Reduce Ewe Body Size to 150 lbs.

The feed costs we looked at earlier were based on an assumed ewe body size of 175 lb. Many commercial sheep operations in Alberta have ewes which range in size from 175-200 lbs. When the heaviest lamb these operations might ship is only 115 lb. it makes little sense to keep these monster ewes with their enormous feed requirements.

One obvious method of reducing ewe body size to 150 lbs. is to switch to smaller breeds such as the Polypay or Finn-Dorset cross. However, there could be a penalty in making this switch. A breed's ability to produce rapid A.D.G. at the lamb stage is usually reflected in large mature body size. We all know, for example, that the fast growth rate of the Suffolk breed results in large adult ewes. The slower growth rate of the Dorset breed results in smaller adult ewes. However, if we switch to smaller breeds the feed we save by keeping smaller ewes may be offset by the additional feed required to finish slower-growing lambs. The obvious solution to this problem is to be certain that if we switch to these smaller, slower-growing ewe breeds we use the fastest growing terminal sires available: i.e. Suffolk or Hampshire rams which have very high 100 day R.O.P. indexes.

If we decide we want to keep ewe breeds with the genetic capacity to mature at heavier weights we may still limit them to 150 lbs. at maturity by nutritionally restricting their growth rate at both the lamb and yearling stage. This can be dangerous and should not be attempted by inexperienced producers. However, instead of adding 25 lbs of actual skeletal and muscle tissue during pregnancy, a more modestly fed ewe lamb may only add 15 lbs. Similarly, instead of adding another 20 lbs of actual body weight growth after weaning, a more modestly fed yearling may add only 10 lbs of actual growth thereby maturing around the 150 lb mark. This will not inhibit her genetic capacity to produce.

This reduction in ewe body size would reduce our feed costs by 12-14%. In the figures we examined earlier, the annual cost of hay and grain for our 175 lb. ewe was \$31.25. Assuming we are feeding only 88% as much feed we end up saving \$3.75/ewe.

5. Shorten Feeding Period From 200 to 120 Days

Our earlier cost assumptions were based on a feeding period of 200 days. In many parts of Alberta superior pasture management and the use of crop aftermath could extend the grazing season to at least 8 months. The fact that many ewes in Alberta are grazed for longer periods attests to this possibility. Feeding for only 120 days as opposed to 200 days reduces feed costs by 40% or \$12.50/The combined effect of a smaller ewe and a shorter feeding period reduces our feed costs to: $\$31.25 \times .88 \times .6 = \16.50 . Our net saving in feed costs is therefore $\$31.25 - \$16.50 = \$14.75!$

The option of a shorter feeding period is not available to many sheep producers in northern Alberta. However, readily available alternate feed sources such as low-cost screenings and free feedmill sweepings combined with much cheaper hay and grain can have the same net effect in dramatically reducing feed costs for producers in the northern part of the province.

6. Increase Market Weight of Lamb From 105 To 115 lbs.

115 lb. lambs of course are entirely acceptable to packing plants in Western North America. Let's assume that these heavier lambs have a relatively poor feed conversion ratio and that the cost of extra gain is 35c/lb. liveweight. The cost of an additional 10 lbs. therefore is \$3.50. Assuming a return of 80c/lb. the extra net income we derive from increasing our lamb weights by 10 lbs. is $\$8.00 - \$3.50 = \$4.50$ per lamb marketed. If we assume we are marketing 1,050 lambs that results in additional income of \$4,725 in our flock!

7. Assume 100 Lambs Per Year Marketed Privately

As anyone who has attempted the feat knows, it would be naive to think that all 1200 lambs in our model flock could be marketed privately. However with a concerted effort it would be feasible to market 100 lambs this way. Let's assume that these lambs are marketed at slightly heavier weights (60 lbs) which incurs an extra feed cost of \$7 per lamb. Let's also assume that the average cost of having the lambs slaughtered, cut, wrapped and frozen for our customers is \$30 per lamb and that the increased marketing costs of extra phone calls, deliveries, etc. work out to \$5 per lamb. Our increased expense would therefore be $\$42/\text{lamb} \times 100 \text{ lambs} = \$4,200$ to engage in private marketing. Assuming the carcass was marketed at \$2.50 per lb, the average lamb would therefore be worth $\$2.50 \times 60 = \150 . Deduct the \$42 increased costs for a net value per lamb of \$108. Assuming the majority of our lambs are marketed at $80\text{c}/\text{lb} \times 105 \text{ lbs} = \84 , private marketing results in an extra net income of \$24 per lamb or \$2,400! For the flock as a whole, that would average $\$2,400 \div 1,050 = \$2.29/\text{lamb}$.

8. Enroll in National Tripartite Lamb Income Stabilization Program

Alberta is one of 5 provinces participating in the Nation Tripartite Lamb Income Stabilization Program. Together, these provinces represent more than three quarters of the lamb production in Canada. The plan is based on a nationally weighted average price for each quarter of the year. This price is compared to 95% of the inflation updated price for the previous 10 years to determine whether a payout is triggered.

There are many reasons for and against joining such a plan based on the degree to which an operation is leveraged, alternate risk aversion measures already in place, your banker's views, experience with other stabilization programs etc. Whether you agree with the plan philosophically or not, the hard facts of the matter are that over the course of the program, membership is likely to be financially beneficial. This is because the producer premium (currently \$1.40/lamb) is matched by each of the two participating government levels. Since the program is designed to be actuarially sound, for each dollar you contribute you are likely to get your own plus two other dollars back.

Let's assume therefore that the net benefit to you as a member of the plan averages \$1.40 x 2 = \$2.80/lamb/year. In a flock marketing 1050 lambs that amounts to \$2,940 extra income/year!

9. Hire Additional Farm Labour and Double Flock Size From 600 To 1200 Ewes

The costs and returns we assumed earlier were based on a flock of 600 ewes. A key question is what happens to our level of productivity when we increase to 1200 ewes. Almost all of the "wrecks" which I see in the sheep business occur in attempting to scale up from 100 ewes to 600 ewes. You can carry hay, grain, and water a long way to a small group of 100 ewes. If you attempt to do this with 600 ewes, not only do you suffer staggering lamb losses, but you grow old quickly. To successfully run a 600 ewe flock you must have mechanised and streamlined your operation to the point where feeding and watering your animals takes not more than two hours/day. The major portion of your time is thus spent as shepherd and manager rather than labourer. If you have mastered a system which will allow you to successfully manage 600 ewes, a few minor changes will allow you to successfully manage 1200 ewes. The small decrease in productivity which might result from scaling up to this level would certainly be offset by economies of scale.

Assume we hire a full-time skilled shepherd at \$20,000/year (\$10/hr x 2000 hours). In our model we previously hired 1/4 man year of casual labor (500 hrs at \$6.53/hr). Including the full-time labor of the flock owner, the 1200 ewe flock is now about a 2 1/2 man unit.

Here is a summary of the nine management changes we have considered.

	Value
Railgrading	\$5/Lamb
Terminal Sires	\$14.75/Lamb
Farm Mixed Ration	\$8.93/Lamb
Reduce Ewe Size	\$3.75/Ewe
Shorten Feeding Period	\$12.50/Ewe
Increase Market Weight	\$4.50/Lamb
Freezer Trade	\$2.29/Lamb
Income Stabilization Program	\$2.80/Lamb
1200 Ewe Flock	?
Total \$16.25/Ewe + \$38.27/Lamb marketed.	

Many of the management options we have just considered of course are not applicable to your farm, your resource base, or your talents as a producer. Let's assume therefore that only 25% of these changes can be applied to your farm situation. The net result therefore would be a combination of reduced costs and increased income to the tune of \$4.06 per ewe and \$9.57 per lamb marketed. By incorporating these figures into a scaled up flock of 1200 ewes with increased labor costs of \$20,000 we derive the following revised projections in Tables VIII and IX:

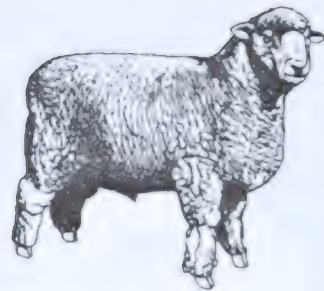
TABLE VII WINTER LAMBING DEBT CARRYING CAPACITY

		PRICE/LB.							
		65c		75c		85c		95	
%	%	Maximum		Maximum		Maximum		Maximum	
		Residual for Debt Servicing (\$)	Debt Operation Can Carry (\$)	Residual for Debt Servicing (\$)	Debt Operation Can Carry (\$)	Residual for Debt Servicing (\$)	Debt Operation Can Carry (\$)	Residual for Debt Servicing (\$)	Debt Operation Can Carry (\$)
75	50	-110968	NIL	-104656	NIL	-98356	NIL	-92056	NIL
100	75	- 94924	NIL	- 85480	NIL	-76024	NIL	-66580	NIL
125	100	- 78904	NIL	- 66304	NIL	-53704	NIL	-41104	NIL
150	125	- 62872	NIL	- 47116	NIL	-31372	NIL	-15616	NIL
175	150	- 46804	NIL	- 27088	NIL	- 9004	NIL	+ 9896	+ 75255
200	175	- 38704	NIL	- 16660	NIL	+ 5396	+ 41034	+27440	+208669
225	200	- 25312	NIL	- 112	NIL	+25088	-190783	+50288	+382418
250	225	- 11908	NIL	+ 16448	125080	+44792	+340624	+73148	+556259

TABLE IX SPRING LAMBING DEBT CARRYING CAPACITY

		PRICE/LB.							
		65c		75c		85c		95	
%	%	Maximum		Maximum		Maximum		Maximum	
		Residual for Debt Servicing (\$)	Debt Operation Can Carry (\$)	Residual for Debt Servicing (\$)	Debt Operation Can Carry (\$)	Residual for Debt Servicing (\$)	Debt Operation Can Carry (\$)	Residual for Debt Servicing (\$)	Debt Operation Can Carry (\$)
75	50	- 92176	NIL	- 88276	NIL	-81976	NIL	- 75676	NIL
100	75	- 73432	NIL	- 63988	NIL	-54532	NIL	- 45088	NIL
125	100	- 52036	NIL	- 39436	NIL	-26836	NIL	- 14236	NIL
150	125	- 30628	NIL	- 14872	NIL	+ 872	+ 6631	+ 16628	+126449
175	150	- 9196	NIL	+ 9764	+ 74251	+28604	+217521	+ 47504	+361247
200	175	+ 4280	+ 32548	+ 26324	+200947	+48380	+367909	+ 70424	+535544
225	200	+ 23048	+175270	+ 48248	+366905	+73448	-558540	+ 98648	+750175
250	225	- 41792	+317810	+ 70148	+533445	+98492	+748989	+126848	+964624

These figures look a whole lot better than those we examined earlier. Over the long haul if the price per pound averages 85c and you have been able to incorporate $\frac{1}{2}$ of the management changes we examined, then your sheep operation could comfortably support your family, pay your hired labour, and handle a substantial farm debt if you market a 175% lamb crop. This production level presents a realistic challenge to sheep producers. Let's rise to that challenge and build a larger, healthier, more profitable sheep industry!



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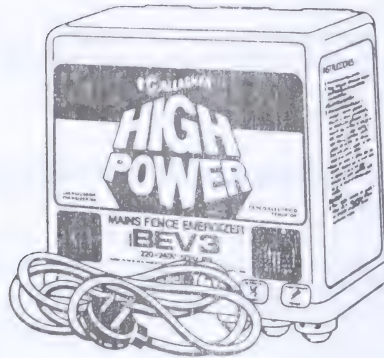
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VOLUME 12, NUMBER 2
February, March 1987

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ALBERTA AGRICULTURE PUBLICATIONS

Agdex Number

1985-86 Annual Report - Alberta Agriculture. This report reviews the activities and programs of Alberta Agriculture and its related boards and commissions for the fiscal year April 1, 1985 to March 31, 1986.

- 013-1 Home Study Courses 1987. 1987. 2 pages.
- 086-6 Safety Guide for Farming. Revised 1987. 52 pages.
- FS100/32 Varieties of Cereal and Oilseed Crops for Alberta - 1987. 1987. 4 pages. COUNTRY GUIDE insert February 1987.
- FS100/32-1 Irrigated Crop Recommendations For Alberta 1987-1988. 1987. 4 pages. "Agri-fax."
- FS100/81-5 1985 Average Analysis of Alberta Feeds. 1987. 3 pages. "Agri-fax."
- FS100/632 Seed Treatment of Cereal and Oilseed Crops - 1987. 1987. 2 pages. "Agri-fax."
- FS112/33-19 Varietal Description of Conway Spring Wheat. Revised 1987. 4 pages. "Agri-fax."
- FS112/33-20 Varietal Description of Owens Soft White Spring Wheat. 1987. 4 pages. "Agri-fax."
- FS112/632-1 Diseases of Wheat. 1987. 12 pages. "Agri-fax."
- FS120/32 Varieties of Perennial Hay and Pasture Crops for Alberta 1987. Revised 1987. 8 pages. COUNTRY GUIDE insert March 1987.
- FS120/640-1 Weed Control in Forage Crops. 1987. 4 pages. COUNTRY GUIDE insert April 1987.
- FS145/33-2 Safflower Production in Alberta. 1987. 6 pages. "Agri-fax."
- FS149/632-2 Diseases of Canola. Revised 1987. 4 pages. "Agri-fax."
- FS149/632-3 Blackleg of Canola. Revised 1987. 3 pages. "Agri-fax."



ISSN 0706-8662

- FS420/16-1 Understanding the Animal Unit Month (AUM). 1987. 3 pages.
"Agri-fax."
- FS420/662-1 Disease Control Calendar for a Beef Herd. Revised 1987. 9 pages.
"Agri-fax."
- FS542-3 Phosphorus Fertilizer Application in Crop Production. Revised 1987.
6 pages. "Agri-fax."
- FS555-2 Subsurface Drainage Installation - A Farmer Survey. 1987.
4 pages. "Agri-fax."
- FS561-4 Irrigation Management of Hard Red Spring Wheat. 1987. 4 pages.
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- FS561-5 Irrigation Management of Canola. 1987. 4 pages. "Agri-fax."
- FS561-6 Irrigation Management of Sugar Beets. 1987. 3 pages.
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- FS561-7 Irrigation Management of Sunflowers. 1987. 4 pages.
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- FS516-10 Irrigation Management of Potatoes. 1987. 3 pages. "Agri-fax."
- FS561-11 Irrigation Management of Peas. 1987. 4 pages. "Agri-fax."
- FS561-12 Irrigation Management of Dry Beans. 1987. 4 pages. "Agri-fax."
- FS561-13 Irrigation Management of Soft White Spring Wheat. 1987. 4 pages.
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- FS561-14 Irrigation Management of Alfalfa Seed. 1987. 4 pages.
"Agri-fax."
- FS561-15 Irrigation Management of Barley (Feed and Mailing). 1987.
4 pages. "Agri-fax."
- FS561-16 Irrigation Management of Silage Corn. 1987. 4 pages. "Agri-fax."
- FS561-17 Alfalfa (Forage) Water Management. 1987. 4 pages. "Agri-fax."
- 606-1 Guide to Crop Protection in Alberta 1987. Part 1 Chemical.
Revised 1987. 165 pages.
- FS632-2 Diseases of Barley. Revised 1987. 5 pages. "Agri-fax."
- FS663-35 Coccidiosis in Chickens. 1987. 3 pages. "Agri-fax."
- FS753-6 PVC Irrigation Pipelines. 1987. 3 pages. "Agri-fax."
- 763-2 Oil Quality Classifications. 1987. 4 pages.

- 763-3 Oil Additives. 1987. 4 pages.
- 763-4 Hydraulic Oils. 1987. 4 pages.
- 763-5 Re-Refined Oil is Proving as Good as Virgin Oil. 1987. 4 pages.
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- FS818-27 Know Your Farm Liabilities. Revised 1987. 4 pages.
"Agri-fax."
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79 pages.
- 821-45 A Cost Analysis of Egg Production in Alberta 1985. 1987.
27 pages.
- 821-46 Estimated Returns and Costs for Cow-Calf and Dairy Farms
in Alberta, 1984. 1987. 23 pages.
- 825-9 Custom Rates Survey Summary 1987. Revised 1987. 24 pages.
- 832 Sources of Farm Business Credit in Alberta. Revised 1987.
36 pages.
- 871 Assistance Available for Alberta Farmers. Revised 1987.
53 pages.

Homedex Number

- 980 Get to Know Your District Home Economist (DHE). Revised 1987.
1 page.
- 1871-60 Financial Security and the Farm Family: Landing a Job:
Strategies for Farm Wives. 1987. 6 pages.

PUBLICATIONS FROM OTHER AGENCIES

Homedex Number

- 1700-77 New Homes. 1987. 30 pages. Published by Alberta Energy.



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SUFFOLK CROSS ewe lambs. Available in May. Joanne Nadon, phone 306-452-3448 after 6 PM please (4)

800 EWE flock has replacements for sale. January born. 200 straight Rambouillet ewe lambs; 25 Suffolk X Rambouillet buck lambs; 25 Rambouillet buck lambs; (Jensen breeding). Flock on R.O.P. - records available; fully vaccinated; high health status. Ed Waldner, Sheep Boss, Old Elm Colony, Box 220, Magrath, phone 758-6627 (4)

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10 EWES with twins at side. Lambs average 6 weeks old. Phone 556-8005 (Olds) after 6 PM (5)

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EWE LAMB replacements from 800 ewe flock. 200 Suffolk X Rambouillet ewe lambs; 200 Rambouillet ewe lambs. \$120, guaranteed 100 lb average. Contact Ed Wurtz, Sheep Boss, Hutterville Colony, Box 70, Magrath, TOK 1G0, phone 758-3143 (5)

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SHEARER AVAILABLE. Available May and June. Phone Garth Hammond, Edmonton, 433-7241 (4)

SHEARER AVAILABLE. Contact Reg Lyster, Winfield, Alberta, phone 682-2298 (4)

SHEARER AVAILABLE. Kelson Quarrie, 7312 -- 188 Street, Edmonton, 481-5974 (5)

RICHARDSON ENTERPRISES. Custom sheep shearer from New Zealand. Province-wide service. Phone 938-5242 (5)

TOO LATE TO CLASSIFY

FOR SALE: January and April born ewe lambs. Mostly Rambouillet and Suffolk. Wormed and vaccinated regularly, minimal disease flock. Deb and Ian Clark, Medicine Ridge Farm, Bentley, TOC QJO, phone 748-2624 (5)

FOR SALE: Registered R.O.P. tested Suffolk ewes and rams. Complete breeding records. 19 years on government R.O.P. Kure's Suffolk, R R #1, Innisfail, TOM 1A0. Call Brian Kure at 728-3744 or Gordon Kure at 728-3361. (5)



EDITOR'S NOTE

Classified Ads and Coming Events may be placed in Sheep Footnotes free-of-charge by contacting:

Janet Smalley
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
T6H 5T6

Ph: (403) 427-5077

John Knapp
Sheep Specialist
Bag Service #1
Airdrie, Alberta
T0M 0B0

Ph: (403) 948-8517

The deadline for Classified Ads and Coming Events is the last day of the month prior to the month of publication.

Coming Events will be run every month from when they are placed until the event. Please Note: Events should be placed in Coming Events at least 6 weeks in advance in order to ensure their publication before they occur.

Classified Ads will run initially for two months, unless cancelled after the first month. After the first two months, ads may be renewed each month by contacting Janet Smalley at 427-5077. Ads must not exceed two column inches in length or they will be edited. Full page ads will be run for one month. If you want your full page ad condensed into a Classified Ad for the next two months, please indicate this when you send in the ad. Sheep Footnotes reserves the right to restrict the length, content and run of any Classified Ad.

EDITORS OF OTHER PUBLICATIONS

Material in Sheep Footnotes may be reprinted in other publications, but source must be stated and content of articles may not be changed without authors' permission.



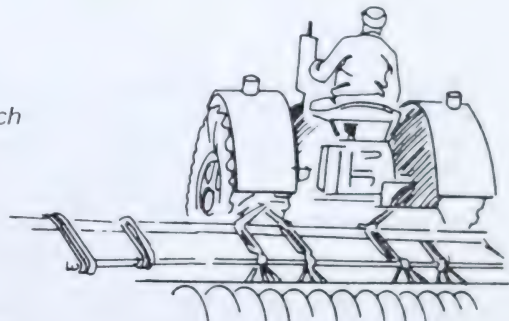
sheep footnotes



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Editor: Cathy Gallivan
 Sheep & Goat Specialist
 Beef Cattle & Sheep Branch
 7000 - 113 Street
 Edmonton, Alberta
 427-5077



Advertising: Janet Smalley
 Beef Cattle & Sheep Branch
 7000 - 113 Street
 Edmonton, Alberta
 427-5077

REPORT

The following information was obtained from the records of the Department of Health and Human Services, Office of the Assistant Secretary for Health, regarding the activities of the National Health and Medical Research Council (NH&MRC) during the period from 1970 to 1975.

The NH&MRC is a statutory body established under the Health Research Act 1957. Its primary function is to advise the Government on matters relating to health research and to coordinate and promote health research in Australia.

The NH&MRC has a wide range of responsibilities, including the following:

- 1. To advise the Government on matters relating to health research.
- 2. To coordinate and promote health research in Australia.
- 3. To conduct research in health and related fields.
- 4. To provide financial assistance to health research.
- 5. To provide technical assistance to health research.
- 6. To provide information and advice to the public on health research.

The NH&MRC has a number of committees and sub-committees, including the following:

- 1. The Council of Health Research.
- 2. The Council of Health Research (International).
- 3. The Council of Health Research (Medical Research).
- 4. The Council of Health Research (Biological Research).
- 5. The Council of Health Research (Social Research).
- 6. The Council of Health Research (Health Services Research).
- 7. The Council of Health Research (Health Education Research).
- 8. The Council of Health Research (Health Administration Research).
- 9. The Council of Health Research (Health Economics Research).
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- 12. The Council of Health Research (Health Statistics Research).
- 13. The Council of Health Research (Health Training Research).
- 14. The Council of Health Research (Health Workforce Research).
- 15. The Council of Health Research (Health Systems Research).
- 16. The Council of Health Research (Health Technology Research).
- 17. The Council of Health Research (Health Information Research).
- 18. The Council of Health Research (Health Communication Research).
- 19. The Council of Health Research (Health Promotion Research).
- 20. The Council of Health Research (Health Protection Research).

The NH&MRC has a number of offices, including the following:

- 1. The Office of the Director-General of Health.
- 2. The Office of the Assistant Director-General of Health.
- 3. The Office of the Deputy Director-General of Health.
- 4. The Office of the Chief Medical Officer.
- 5. The Office of the Chief Health Officer.
- 6. The Office of the Chief Health Officer (International).
- 7. The Office of the Chief Health Officer (Medical Research).
- 8. The Office of the Chief Health Officer (Biological Research).
- 9. The Office of the Chief Health Officer (Social Research).
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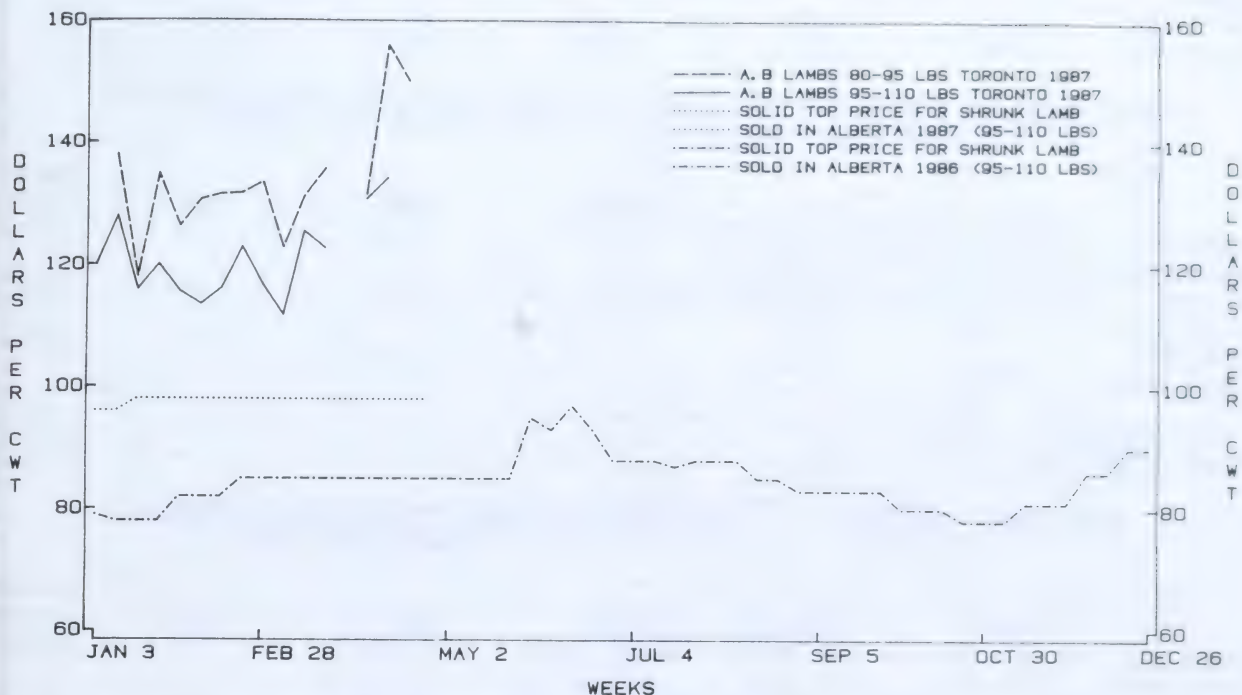
The NH&MRC has a number of publications, including the following:

- 1. The Australian Journal of Health Research.
- 2. The Australian Journal of Health Services Research.
- 3. The Australian Journal of Health Education Research.
- 4. The Australian Journal of Health Administration Research.
- 5. The Australian Journal of Health Economics Research.
- 6. The Australian Journal of Health Law Research.
- 7. The Australian Journal of Health Policy Research.
- 8. The Australian Journal of Health Statistics Research.
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- 13. The Australian Journal of Health Information Research.
- 14. The Australian Journal of Health Communication Research.
- 15. The Australian Journal of Health Promotion Research.
- 16. The Australian Journal of Health Protection Research.

The NH&MRC has a number of projects, including the following:

- 1. The Australian Health Research Council.
- 2. The Australian Health Research Council (International).
- 3. The Australian Health Research Council (Medical Research).
- 4. The Australian Health Research Council (Biological Research).
- 5. The Australian Health Research Council (Social Research).
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- 19. The Australian Health Research Council (Health Promotion Research).
- 20. The Australian Health Research Council (Health Protection Research).

WEEKLY AVERAGE SLAUGHTER LAMB PRICES



NOTE: NO OR INSUFFICIENT SALES FOR CERTAIN WEEKS IN TORONTO

Good lambs at Lambco weighting 95-110 lb continued at steady money throughout April. Deliveries for the month were 19 per cent below year ago levels at 5,582 head. Following Easter the supply of market ready lambs became very light. Price support carried through on the lighter volumes. Indications are that lambs require a bit more finish before they are ready for market. As lambs become market ready deliveries will increase, however, the gross number delivered may be moderated somewhat by ewe lamb retention.

Toronto markets traded very actively during April prior to the Easter holiday. New crop lambs were of particular interest as receipts during the first half of April totalled 3,521 lambs with prices averaging nearly \$200.00 per cwt. These lambs averaged 56.2 lbs and ranged between 53.8 lb and 58.7 lbs. Following Easter the run of lambs at the Toronto public Stockyards was too light to establish a market price.

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT LAMBCO

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON						
April 1987	95.00-98.00	95.00-98.00	95.00-98.00	95.00-98.00	---	95.00-98.00
LAST MON						
March 1987	95.00-98.00	95.00-98.00	95.00-98.00	95.00-98.00	---	95.00-98.00
YR AGO MON						
April 1986	82.00-85.00	82.00-85.00	82.00-85.00	82.00-85.00	---	82.00-85.00
VOLUMES						
April 1987	1,560	2,679	726	617	---	5,582
April 1986	1,704	1,552	2,030	1,607	---	6,893

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT TORONTO PUBLIC STOCKYARDS
(With Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	119.00-136.00	127.00-138.00	N.E.P.	N.E.P.	---	132.68
April 1987	(130.68)	(134.21)				
LAST MON	101.00-115.00	120.00-135.00	118.00-124.00	N.E.P.	---	119.37
March 1987	(111.81)	(125.52)	(122.80)			
YR AGO MON	N.E.P.	N.E.P.	N.E.P.	N.E.P.	---	N.E.P.
April 1986						
April/87 VOLUMES	23	30	--	--	--	53
AVERAGE WEIGHT	101.3 lb	103.2 lb	-- lb	-- lb	-- lb	102.3 lb

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 80-95 LBS TORONTO PUBLIC STOCKYARDS
(Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	124.00-148.00	136.00-180.00	140.00-170.00	N.E.P.	---	148.22
April 1987	(131.60)	(156.05)	(150.23)			
LAST MON	120.00-132.00	122.00-140.00	131.00-146.00	N.E.P.	---	133.49
March 1987	(122.87)	(131.25)	(135.77)			
YR AGO MON	N.E.P.	104.00-127.00	113.00-130.00	106.00-140.00	---	123.08
April 1986		(113.38)	(122.19)	(127.00)		
April/87 VOLUMES	80	156	52	--	--	288
AVERAGE WEIGHT	83.8 lb	85.7 lb	87.2 lb	-- lb	-- lb	85.6 lb

Prices quoted for 95-110 lb lambs are bid prices at Lambco and auction prices at Toronto Public Stockyards for good quality lambs. The lower end of the Alberta price range reflects bids for short haul or unshrunk lambs while the upper end of the range represents bids for long haul or shrunk lambs. Producers delivering to the Toronto Public Stockyards pay commission and yardage fees for each animal sold. Producers delivering to Lambco pay \$1/head checkoff to the Alberta Sheep and Wool Commission.

The Toronto auction price is from the Special Sheep and Lamb Sale held on Monday each week.

N.E.P. - No established price

Marilyn Johnson, Market Analyst
Market Analysis Branch
Phone: (403) 427-4002
May 4, 1987



Coming Events

1987

- May 28 North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton at 455-2287 or Bruce McGhan, Calmar at 985-3744.
- May 30 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- June 2 2nd Entry date for the 1987 grazing season at Medicine Lake Provincial Grazing Reserve.
- June 6 Saskatchewan Ram Test Station Sale. 12:30 P.M. University of Saskatchewan, Saskatoon. For information call (403) 825-9617 or 825-9702 or write Virginia Fox, Box 320, Lloydminster, Saskatchewan S9V 0Y2
- June 6 Ewe Lamb Sale. Saskatoon Auction Mart. 4:00 P.M. Quality breeding stock on offer. For information call (403) 825-9617 or 825-9702 or write Virginia Fox, Box 320, Lloydminster, Saskatchewan S9V 0Y2.
- June 12 Calmar Goat Show. Calmar Arena. Buck Show 7-9 P.M. For more information contact Leslie Jackson at 985-3863.

- June 13 Calmar Goat Show. Doe & Kid Show. Starting at 9:30 A.M. For more information contact Leslie Jackson at 985-3863.
- June 23 3rd Entry date for the 1987 grazing season at Medicine Lake Provincial Grazing Reserve.
- June 23, 24 & 25 Vermilion Agricultural Society. Vermilion Fair Grounds. Junior Sheep Show July 23, 1 PM, Junior Goat Show July 23 4 PM, Senior Sheep Show July 24-25, 1 PM. PLEASE NOTE CHANGE OF PLANS for Alberta Junior Invitational Sheep Show. It will now be integrated into the Junior Classes at the Fair. For more information call Vermilion Fair Grounds at 853-4108 or Florent vanWageningen at 853-2491.
- June 25 8th Annual Range Ram and Ewe Lamb Sale, Thursday at 1:00 P.M. Fort MacLeod Auction Market. For other details call George Bourassa at 553-3515 or 553-2196.
- June 27 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- July 14-19 Red Deer Exhibition. Classic Market Lamb Show. Open to purebred and commercial lambs. Contact Lynann Good at 343-7800 or Jim Kinniburgh at 343-1361.
- July 22-25 Medicine Hat Exhibition and Stampede. Classes this year include Cheviots, Colombias, Suffolks and Hampshires. For more information contact Box 1298, Medicine Hat, T1A 7N1, phone 526-3979.

August 29

'Wildrose' Invitational Seedstock Sheep Sale. Olds College New Arena Facility. Contact Barry Wilson, Olds College, 556-8265 or 556-6498.

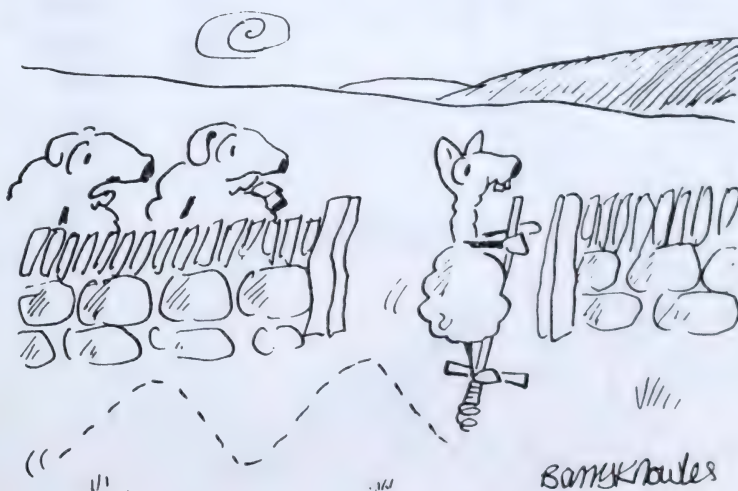
September 19

Lambs In Lacombe. Family Sheep and Wool Fair. Commercial Ewe Sale. Craft Sale and much much more.

November 19-21

1987 Sheep Symposium, Banff Springs Hotel.

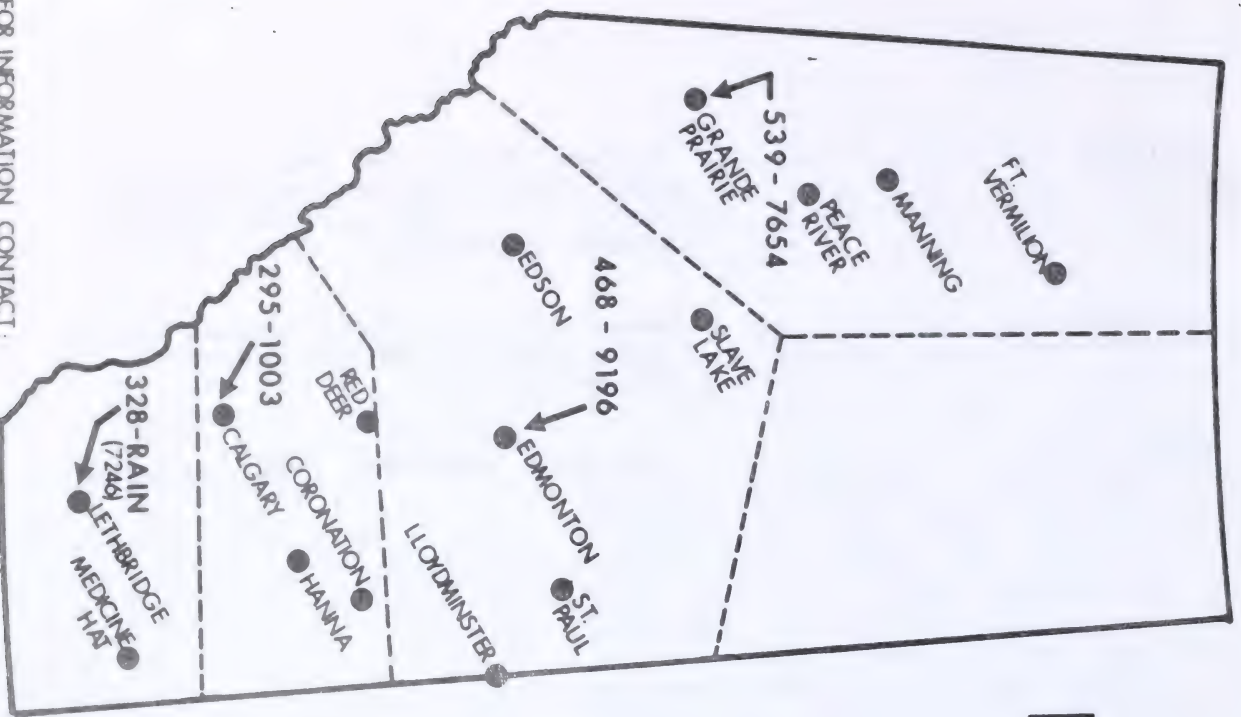
SHEEP DROPPINGS



Benny Knutes

"In my day we were expected to frolic and gambol completely unaided ..."

FOR INFORMATION CONTACT:
Conservation & Development
Branch



Farm Weather Line



All he has to do is phone the Farm Weather Line!



Will it rain?
Is it too windy
to spray?



Alberta
AGRICULTURE

Vaginal and Cervical Problems in Ewe Production

John S. Baker, D.V.M.
Department of Large Animal Clinics
School of Veterinary Medicine
Purdue University

Presented at the Sheepman's Holiday and Symposium
Peoria, Illinois—1987

A number of conditions can take place at lambing time that can endanger the life of the lamb and many times the life of the ewe as well.

Cervical dilation before full term is reached can result in stillborn or weak lambs. These lambs appear to be full term but because normal uterine contraction does not occur they may suffocate because of prolonged labor or die because of one of the diseases we normally associate with abortions that are usually seen earlier in gestation. Some of the causes of fetal death near or at term are:

1. Vibriosis (*Camplobacter fetus* intestinalis)
2. Enzootic abortion of ewes—EAE (*Chlamydia psittaci*)
3. Toxoplasmosis (*Toxoplasma gondii*)
The cat is the primary source of infection.
4. Listeriosis (*Listeria monocytogenes*)

Note: The last two diseases can cause infections in humans.

5. Another cause that can be involved with weak lambs is selenium deficiency which is closely associated with Vitamin E. In addition to the classical "stiff lamb disease" associated with this deficiency, the following conditions have been incriminated:

- a. inability to nurse or swallow normally
- b. more susceptible to early pneumonia and scours because of impaired immune response
- c. We do not know for sure that the cervix or uterine function is impaired by this deficiency but we do not know that digestive and heart muscles are affected.
- d. Selenium and Vitamin E deficiency is known to be a factor in retained placentas in dairy cows.

"Ringwomb"—Non-dilation of the cervix

Failure of the cervix to dilate thus prolonging the lambing process to the point where the lambs are weak or dead has been called "ringwomb" for many years. With this condition, the gestation period is prolonged and the life of the ewe is endangered by exhaustion and septicemia.

No cause or effective treatment has been firmly established to the satisfaction of the producers, animal scientists or veterinarians who have struggled with this condition for decades.

Some of the possible causes that have been brought forth over the years are:

1. Imbalance of hormones in the feed or pasture—an increase in estrogens is most frequently mentioned.
2. Deficiency of micronutrients—zinc, magnesium and selenium are possibilities.
3. Hypocalcemia—similar to milk fever in dairy cows, but the ewe may not become ataxic or recumbent (sub-clinical).
4. In some cases, a dead fetus is not presented at the pelvis and the cervix contracts as if the fetus had been expelled.

Methods of control and treatment that have been tried are:

1. Be sure adequate selenium and Vitamin E are available to prevent deficiency.
2. If several cases have occurred in adult ewes, check the serum calcium concentration or give 50 cc of 20% calcium borogluconate subcutaneously and

observe the response. Serum calcium below 7 mg/dl is considered low

3. Estradiol has been recommended to assist cervical dilation but the delayed response would probably be too late to save the lambs. Oxytocin will stimulate uterine contraction but can cause uterine rupture if cervix is not dilated

4. Mechanical opening of the cervix or surgically incising the dorsal cervix to make possible the passage of the fetus can be dangerous because the uterus may be ruptured or cut

5. Cesarean section is the most successful approach if performed early

6. Ultrasound has been reported in the British literature to be effective but we know of no reports of success in the U.S.

Prolapse of the vagina

This condition usually seen in ewes near parturition. The predisposing factors are similar to those involved in prolapsed rectums in the non-pregnant animal. They may occur simultaneously in some cases. Listed are some of the causes:

1. Increased abdominal pressures from overfilling of the rumen, abundance of intrapelvic fat and advanced pregnancy.
2. Chronic diarrhea from coccidiosis or bacteria such as *Salmonella*.
3. Cystitis or urolithiasis without complete blockage. Complete blockage seldom happens in females.
4. Rough handling at shearing, dipping, drenching or foot trimming.
5. Implants with growth stimulants (usually not in breeding animals).
6. Chronic cough from virus, bacteria or lungworms.
7. Extremely short tail dock—may damage caudal anal nerve which has

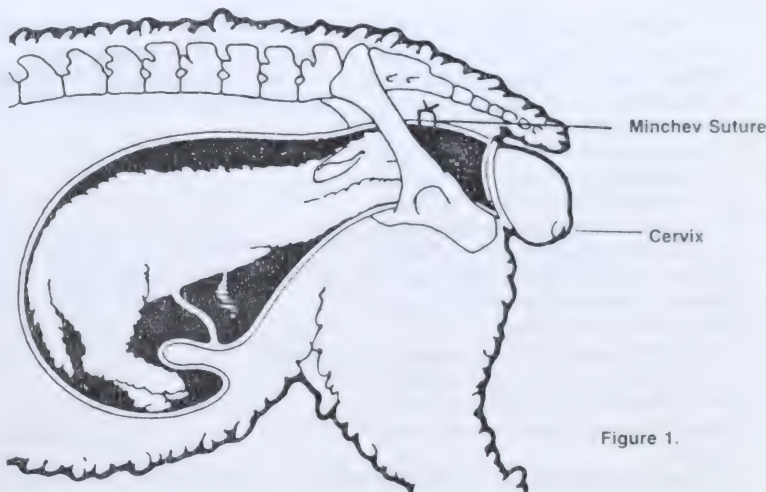


Figure 1.

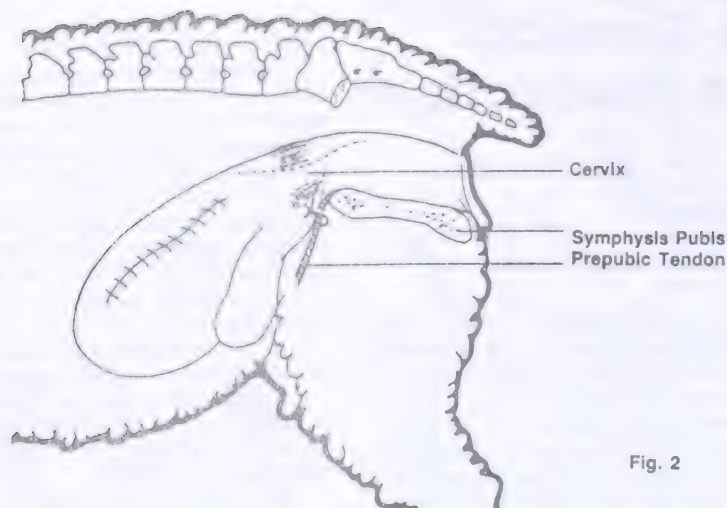


Fig. 2

branches that innervate both the rectum and vagina.

8. Hereditary predisposition for prolapse of vagina or rectum.

Treatment for prolapsed vagina are:

1. The commercial plastic paddle that is inserted into the vagina and tied to the wall—apparently works well in early cases.

2. Several suturing procedures have been advocated to prevent re-prolapse after the vagina has been replaced. The procedure we feel works best is to place three loops on each side of the vagina 2-3 inches from the vulva lips. Place a lacing string through each loop as if you were lacing your shoe. The lacing can be removed during lambing and replaced if necessary. These should initially be placed by your veterinarian since local anesthesia should be used to prevent straining.

3. The best method for retaining a prolapsed vagina with external sutures is the modified Minchev (named after the man who described the procedure in cattle). The location of the suture is shown in Fig. 1. This procedure fastens the vagina to the dorsal body wall. Two sutures, one on each side of the lower spine are passed through the dorsal wall of the vagina and out through the hip (gluteal) area where they are tied. Care must be taken not to damage the obturator and sciatic nerves when placing the sutures.

The advantages of this procedure is that the sutures do not need to be removed for lambing. If left in place for 3-4 weeks, adhesions should prevent further prolapse.

4. If a Cesarean section is necessary, a tack-down of the cervix to the pre-pubic

tendon (Fig. 2) should prevent future prolapse while delivering the lambs at the same time.

Prevention of prolapsed vagina

1. Select lambs from ewes that are not predisposed to prolapse.

2. Have ewes in gaining but not fat condition at lambing.

3. Provide some way for pregnant ewes to exercise, especially during late pregnancy. This practice has long been recommended as a preventative for pregnancy toxemia.

4. Prevent respiratory disease by isolating new additions to the flock for at least one month (good practice for controlling other diseases as well). Good ventilation and not overcrowding will reduce the incidence of many respiratory diseases.

5. Do not dock tails so short that it will not cover both anus and vulva.

6. Get your veterinarian involved in your flock health management.



LAMBS in LACOMBE

FAMILY SHEEP & WOOL FAIR • EWE LAMB SALE • CRAFT SALE

SATURDAY
19 SEPTEMBER 1987

EVENTS AND PRIZELISTS will be available in the next issue of Footnotes and in various District Agriculturist offices in June.

MEANWHILE, if you have any questions about the Fair and Sale here are some names and numbers you can contact:

DOG TRIALS	- Jennifer Gorham (682-2490)
JUNIOR SHOW	- Edith Williams (784-3511)
CRAFTS & TRADE BOOTHS	- Fen Roessingh (337-2221)
EWE LAMB SALE	- Cathy Gallivan (427-5077)
FLEECE GRADING COMPETITION	- Les Toth (327-3760)
PUBLICITY	- Alan Brown (337-2221)
PHOTO COMPETITION	- Barb White (682-2480)
SHEEP TO SHAWL COMPETITION	- Betty Harvey (843-3494)
COMMITTEE MEMBERS	- Ian Clark (748-2624)
	- Rick Grove (748-2922)
	- Jim Kinniburgh (343-1361)

VOLUNTEERS???? If you're interested in helping out on the day fill out the following and send to Betty Harvey, RR#2, Buffton, Alberta TOC OMO:

Name:

Phone No:

Address:

Main area of interest:

Available on 19th: **morning** **afternoon** **all day**

CALGARY EXHIBITION
AND

Stampede

July 3 - 12, 1987

SHEEP SHOW

July 7th and 8th

TUES., JULY 7TH - SUFFOLKS & COLUMBIAS
WED., JULY 8TH - HAMPS - DORSETS - A.O.B.

ENTRIES CLOSE : MAY 29, 1987

For More Information and a Prize List Contact;



The Agriculture Department
Calgary Exhibition and Stampede
Box 1060
Calgary Alberta, T2P - 2K8
Ph. 403-261-0101

ALBERTA SHEEP & WOOL COMMISSION

24 HOUR MARKET LINE

1-291-9884

THE MARKET LINE PROVIDES LAMB PRICES ON THE FOLLOWING
MARKETS:

- LAMBCO - INNISFAIL
- NORTH CENTRAL SHEEP SALES - EDMONTON
- LAMBLAND FEEDERS - LACOMBE
- ONTARIO STOCKYARDS - TORONTO
- U.S. NORTHWEST AREA
- U.S. MOUNTAIN AREA
- U.S. NORTH CENTRAL AREA
- FORT MACLEOD AUCTION MART

LAMB AND POULTRY PROTECTOR

Foxes and other predators invading lambing pens and poultry enclosures will be wary of a new warning device introduced by a company in the English midlands.

The Electric Shepherd night light works off electric fence wires powered by a mains fence energiser unit. Every time the fence current pulses, the light flashes.

As many as ten units can be run from one fence line, and the one second flashing rhythm is said to deter potential predators from worrying livestock.

The same company has developed a device for switching off the current in permanent electric fencing anywhere along the line. This eliminates the need to return to the energiser unit or power source. Called The Shock Safe, the device has two units, one of which is plugged into the fence power source, the other being a handheld transmitter.

* Rutland Electric Fencing Company, Pillings Road Industrial Estate, Oakham, Leicester, United Kingdom LE15 6QF. Tel: +44 572 2558.

* * * * *

INSTANT WARMTH FOR LAMBS

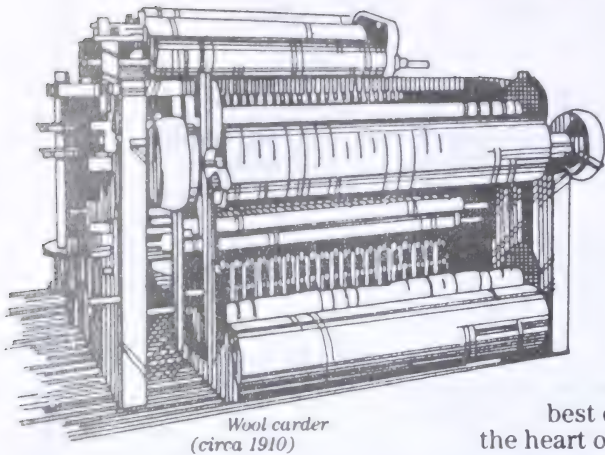
For instant warmth, wherever a chilled lamb may be lingering, a company in southeast England has introduced a new rug giving instant heat from a built in survival pack. The rugs contain a special hot pack which gives off immediate but gentle heat for several hours. The removable sachets can be reused.

When the pack is activated, a chemical releases heat within seconds to 54°C (130°F). Slipped into a protective quilt, it warms the lamb, and reduces the possibility of hypothermia.

* Net-Tex Agricultural, 8 Melton Road, Gravesend, Kent, United Kingdom DA12 2RE. Tel: +44 474 64904.

Reprinted from Farming News, No. 138.

A landmark in custom-processing



Wool carder
(circa 1910)

Custom Woolen Mills is the only facility in western Canada which offers a total approach to industry service. Sheep producers in several provinces depend on us for hide and wool processing, including mohair processing.

Plans are underway to extend our mohair-processing capabilities. At present, the operation is limited in scale. However, our research indicates that the market exists and we intend to explore its potential more fully.

One exciting new development which has enhanced our service to sheep producers, while boosting the marketability of our products, is the addition of a colour dye facility. Originally, Custom Woolen Mills provided only natural colours. Today, a rich array of select fashion colours is available, too. So now, you can look to us for the best of both worlds – the old and the new – under one roof in the heart of rural Alberta.

The products of Custom Woolen Mills

Prairie Wool Products

Soft, thick, with good spring, Prairie Wool Products will delight those who enjoy hand-crafting traditional gifts.

- Rovings – 2" to 3" diameter
- Spinning Batts – 60" x 90", individually weighed
- Spinning Rolls
- Quilting Batts – 60" x 90", individually weighed

Mule Spinner Yarns

- Single-ply
- Soft Spun – two-strand densities
- Plied Yarn – two- or three-ply

Cold Country Comforters

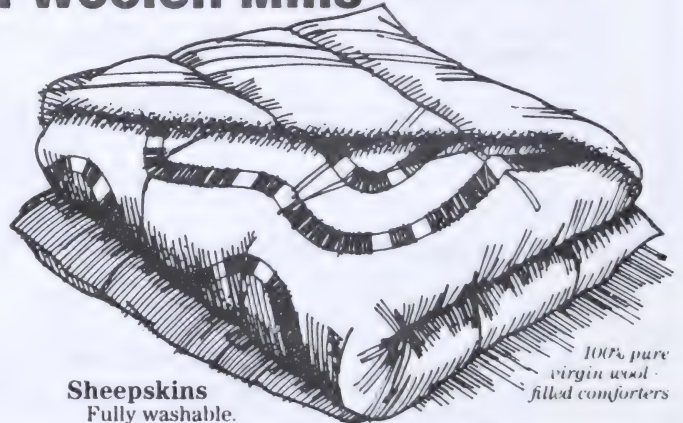
Available in King, Queen, Double, Twin, Single or Crib. 100% pure virgin wool fill; choice of muslin or cotton coverings in a wide range of colours.

Country Style Mattress Overlays

Available in King, Queen, Double, Twin or Single. 100% pure virgin wool fill; covering in choice of colours, cotton or muslin.

Mohair

- Blend Soft Spun – 50% mohair, 50% wool
- Spinning rolls and rovings – 50/50 mix



100% pure
virgin wool
filled comforters

Sheepskins

Fully washable.
Long wool for rugs and hangings; shearlings for handicrafts.

Custom Services

In order to help sheep producers generate more income by processing and marketing wool and hide products themselves, we provide a total custom-processing facility, including marketing support services.

Discover a legend

You are welcome to call or visit Custom Woolen Mills at any time during business hours.

You'll find us by following Highway #2. Take the Highway #581 exit, go east 14 miles, then north for 3 miles. When you see our sign, you've discovered a legend – a company with something new to offer, thanks to a heritage of excellent quality.



Mailing Address:

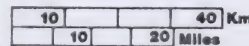
Custom Woolen Mills Ltd.
R.R. #1
Carstairs, Alberta, Canada
T0M 0N0

Business Hours:

9 a.m. to 5 p.m., Monday through Friday

Telephone:

(403) 337-2221



MAGGIE

- BY SARA EMOND - ©

- AND THE MICROBES!



LOOK WHAT I GOT THE KIDS FOR CHRISTMAS! - A MICROSCOPE! - THE MOST EDUCATIONAL TOY THERE IS!

NOW - WHAT CAN WE LOOK AT?

URRP!

OH - EXCUSE ME!

CAN WE LOOK THROUGH IT NOW, MA?

WHY - YES! THE VERY THING!

NOT NOW, DEAR - RUN ALONG AND PLAY!

BUT, MA!

RUN, I SAID!

WE'LL JUST PUT THIS BIT OF CUD ON A SLIDE...



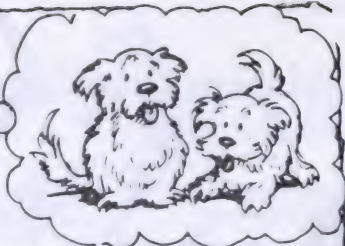
LOOK AT ALL THE ACTIVITY! LET'S GET A CLOSER LOOK AT THE LITTLE CRITTERS BREAKING UP THOSE CELLULOSE BITS I CAN'T DIGEST!

WAA... LOOK AT THE BABY! LET'S SEE WHAT HE'S DOING! - ISN'T THAT CUTE? HE'S USING BITS OF THE CELLULOSE WITH NITROGEN TO MAKE AMINO ACIDS THAT I CAN USE!



WHY-LOOK! - IT'S OLD FANG, MY PET COXY! WHAT'S HE DOING UP HERE? HE USUALLY HANGS OUT IN MY SMALL INTESTINE!

AH-(SIGH)-I REMEMBER THE FIRST COXY I EVER PICKED UP!



THEY WERE SO CUTE AND INNOCENT-LOOKING! - BUT, THREE WEEKS LATER...

THERE WERE THOUSANDS OF THEM! RUNNING WILD, ATTACKING EVERYTHING - DIGGING BIG HOLES - CAVES, EVEN - IN MY INTESTINAL WALLS - RAISING HUGE FAMILIES IN MY INNARDS, EATING EVERYTHING IN SIGHT!

WELL-IF MY MOTHER HADN'T NOTICED I WAS LOOKING "PEAKY" AND DOSED ME WITH THAT FOUL-TASTING STUFF, WHO KNOWS WHERE I'D BE TODAY?

NOW I JUST KEEP ONE OR TWO AROUND - FOR OLD TIMES' SAKE!



NEXT-LET'S CHECK OUT THIS SCRATCH ON MY LEG!

OH-OH! WHO ARE THESE TWO CHARACTERS?

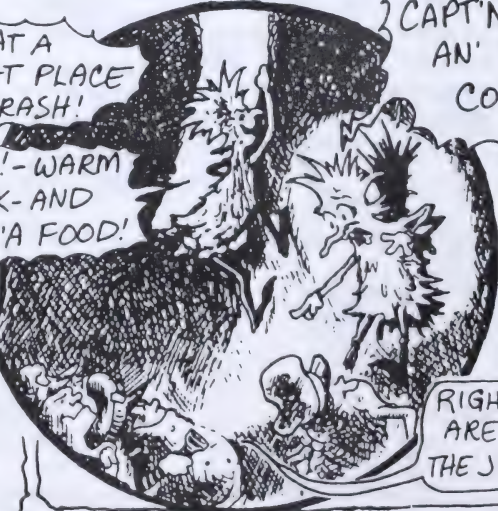
YEEK!

IT'S-IT'S CAPT'N LUKE AN' THE COPS!



WHAT A GREAT PLACE TO CRASH!

YEAH! - WARM AN' DARK- AND PLENTY 'A FOOD!



RIGHT YOU ARE, BOYS! THE JIG'S UP!



WOW! THANKS, CAPT'N LUKE!

THINK NOTHIN' OF IT MAGGIE, DARLIN' - MY BOYS ENJOY THEIR WORK! ESPECIALLY "BIG MAC" O'PHAGE, HERE!

POLISHIN' OFF PUNKS LIKE STREP AN STAPH IS MEAT AN' DRINK TO MY BOYS! ISN'T THAT RIGHT, OFFICER O'PHAGE?

BURP.

MIND YOU, NOW - IT MIGHT HAVE BEEN HARDER IF THERE HAD BEEN MORE OF THEM - BUT THANKS TO YOUR CLEAN ENVIRONMENT TWAS NO PROBLEM!



NOW, IF YOU WANT TO SEE SOME ACTION, WE'VE GOT A GANG OF VIRUSES HOLED UP IN THAT CELL OVER THERE! - HERE'S THE HEAD OF OUR S.W.A.T. TEAM! - HOW'S IT GOING, KILLER?

I'VE TOLD YOU NOT TO CALL ME THAT!

UH, SORRY, MR. T...

YOU'LL NEVER TAKE ME ALIVE, COPPERS!

YOU ASKED FOR IT, SCUM! STAND BACK, EVERYONE!



KAWHUMPH!

BUT - WHAT IF THEIR GANG COMES LOOKING FOR REVENGE?



GREAT WORK, MR. T.!


BLOWED UP GOOD, DIDN'T THEY? - BLOWED UP REAL GOOD!

NEVER FEAR! WE'VE GOT THEIR MUGS ON FILE NOW, AND Ms. BEA DESIGNS AND MANUFACTURES SPECIAL WEAPONS AGAINST EACH TYPE OF CROOK!



JUST A SORT OF TALENT I HAVE, I GUESS!





87 MEMBERSHIP FEES ARE NOW DUE!

1 YEAR - \$20.00

JUNIOR MEMBERSHIP

1 time payment of \$20.00
expires on 18th birthday
(include month & year born)

Please make cheques payable to:

ALBERTA SHEEP BREEDERS' ASSOCIATION
2504 Toronto Crescent N.W.
Calgary, Alberta T2N 3V9

Telephone: (403) 282-6736



ALBERTA GOAT BREEDERS' ASSOCIATION


SANCTIONED ANGORA GOAT SHOW AND JUDGES TRAINING

JULY 17 - 19 The Westerner, Red Deer

Instructor, Jack Groff, Texas

- July 17th: 1:00 PM - 3:30 PM Demonstration of fleece judging*
- 5:00 PM Sanctioned Angora Goat Show*
Goats must be on premises by
NOON. Prize list may be
obtained from The Westerner,
Box 176, Red Deer, T5N 5E8.
- July 18th: 9:00 AM Judges training and classification*
of Angora goats, to be held on farms
south of Red Deer in the Didsbury
area.
- July 19th: 9:00 AM Judging practice. To be held on*
farms north of Red Deer in the Lacombe
area.

Fee \$80.00 for the judges training, \$40.00 to monitor the course. Contact Dorothy Broadbent, R R #3, Ponoka, Alberta, T0C 2H0, phone 783-5927. Cheques to be made payable to the Alberta Goat Breeders Association.



The Classifieds

FOR SALE - SHEEP

POLYPAY EWE lambs. 2 adult rams. Also ram lambs. U.S. registered. Also spring born 1/2 and 3/4 Polypay ewe lambs. Ron Quinton, Calgary, phone 252-1218 or Cardston (weekends) 653-2055 (6)

ROMONOV CROSS ram lambs, some Romonov cross ewe lambs, Finn cross ewe lambs. Also 2 Finn cross yearling rams. Pat & Lesley Barrott, Vulcan, phone 599-2141 (6)

BY BRIGHTBANK Finnsheep. Registered Finn sheep. Ram lambs and yearlings. Top quality sheep with production records from a disease-free flock. Also Finn/Suffolk and Finn/Columbia ram lambs. For information or to arrange visit call Kathy Playdon Stony Plain, phone 973-0416 (6)

BLACK LINCOLN, yearling ewe. American registration. Gale Skrepynk, Fort Saskatchewan, phone 895-2760 (6)

JANUARY AND April born ewe lambs. Mostly Rambouillet and Suffolk. Wormed and vaccinated regularly, minimal disease flock. Deb & Ian Clark, Medicine Ridge Farm, Bentley, TOC OJO, phone 748-2624 (5)

50 SUFFOLK ewes with Hampshire X Suffolk lambs at side. Lambs approximately 1 month old. Lambs are twins and singles and have had all shots. Will be ready to go after May 1st. \$250 each. Call Les Burns, Hanna, phone 854-3872 between 5-6 PM (5)

CROSSBRED EWE lambs from 900 ewe flock. Rambouillet-Columbia cross ewes. Sire Suffolk. Walt Strand Suffolks. Available April-May. Will weigh 100 lbs. Crystal Spring Colony, Magrath, phone 758-6701 (5)

10 EWES with twins at side. Lambs average 6 weeks old. Phone 556-8005 (Olds) after 6 PM (5)

300 RAMBOUILLET ewe lambs. 100 Suffolk X Rambouillet ewe lambs. Ready for delivery June-July - \$120. Will deliver to 150 miles. Sam Walter, Sunshine Colony, phone 787-2335 after 8 PM (5)

1987 EWE lambs. Ready to go May-June. Lambing records available. Suffolks and Suffolk crosses. Pat & Sue deRosemond, Carstairs, phone 337-2800 (5)

1 RAMBOUILLET ram. 3 years old. \$125. Contact Jay Adams, Ponoka, phone 783-5737 (5)

REGISTERED YEARLING North Country Cheviot and Suffolk rams. Also 3 mature registered Suffolk rams. From quality, disease-free flock. R. Sandham, Box 151, Caroline, TOM ONO, phone 722-2440 (5)

1 PUREBRED registered Polypay ram. 2 years old. Has sired twins and triplets. \$500. 6 ram lambs. Polypay-Suffolk cross. Excellent for breeding. \$250 or best offer. Renee Yuill, Alberta Beach, phone 967-3401 (5)

CROSSBRED SUFFOLK ram. 4 years old. Proven breeder. \$90. Adrian Franck, R R #1, New Sarepta, TOB 3MO, phone 941-2116 (5)

FINN CROSS ewe lambs. Available in May. Reg & Val Underhill, Vergal Farms, Ardrossan, phone 922-2507 (5)

EWE LAMB replacements from 800 ewe flock. 200 Suffolk X Rambouillet ewe lambs; 200 Rambouillet ewe lambs. \$120, guaranteed 100 lb average. Contact Ed Wurtz, Sheep Boss, Hutterville Colony, Box 70, Magrath, TOK 1GO, phone 758-3143 (5)

120 SUFFOLK & Rambouillet ewe lambs. Out of Fowler stock. Also 50 Rambouillet ewe lambs born Jan.-Feb. Ready to go. Contact Dave Wertz, Rock Lake Colony, Coaldale, phone 345-3892 (5)

REGISTERED R.O.P. tested Suffolk ewes and rams. Complete breeding records. 19 years on government R.O.P. Kure's Suffolk, R R #1, Innisfail, TOM 1AO. Call Brian Kure at 728-3744 or Gordon at 728-3361 (5)

PUREBRED CLUN Forest ewe lambs. Also a few young ewes and ram lambs from an excellent flock. Easy lambing. Average 200% lamb crop. Don Spicer, Cochrane, phone 932-4262 or 262-5717 (6)

PUREBRED TARGEE yearling rams, ram lambs and ewe lambs. Also 100 commercial ewes. 1-7 years old. Suffolk, Hampshire, Rambouillet and Columbias. Francis Cyr, Pincher Creek, phone 627-4401 (6)

.....
2 YEAR old Suffolk Ram. Sired only twins & triplets - \$300. 1 year old Suffolk ram. Easy lambing - \$150. 10 black ewes. Due to start lambing in early May. Bred to registered Finn - \$225 each. 10 crossbred ewes. Open. Available in June - \$125-135 each. Also available in June & July several Finn cross ram lambs. All multiple births - \$125-175. 2 Suffolk ram lambs. Triplets - \$150 and a few more lambs at \$120. Ailie Beaudry, Cherhill, phone 785-2940 (days) or 785-2813 (evenings) (6)

.....
REGISTERED DORSET and Suffolk ram lambs. Patrick Lyster, R R #2, Site 7, Box 35, Grande Prairie, phone 532-0471 (6)

FOR SALE - GOATS

4 REGISTERED Nubian doe kids. Born in January - \$135 each. 1 registered Alpine milking doe - \$150. Linda Spahic, Hay Lakes, phone 878-3784 before 9AM or after 7 PM (6)

FOR SALE - DOGS

2 MALES, 1 female Great Pyrenees puppies. 5 months old. Also 1 female 7 month old pup. All guaranteed on temperament and hips. Some basic training and first shots. Used to kids and various farm animals. Are very trainable and recommended as working dogs. Are daughter and grandchildren of our famous "BRISTOL" (No. 1 Broodbitch and Get at 86 Canadian National Specialty). Special low priced for sheep farms. Can ship anywhere. Pol Kennels Reg'd., Harry & Christine Simoens, Cochrane, phone 932-5379 (5)

.....
BORDER COLLIE Puppies. Working parents. Proven bloodlines. Ready to go. Harvey Steiger, Acme, phone 546-2681 (5)

.....
REGISTERED BORDER Collie pups. Born 14 March 1987, from British born parents. \$200. Phone Tom Green, High River, phone 652-2871 (5)

AUSTRALIAN SHEPHERD puppies. Excellent working lines. Pups born April 17/87. 1 Black Tri-male 1 Black Tri-female. 2 blue Merle females. Evan & Maureen Toma, Athabasca, phone 675-5199 or call Jack Plumley at 675-3344 or Tim Sauer at 675-4817 (6)

.....
REGISTERED BORDER Collie pups. Born April 19th. Ready in June. Males & females. Lyle Hamer, Red Water, phone 942-4184 (6)

.....
4 REGISTERED male Border Collie pups, 8 weeks old. Both parents working. \$200 each. Danny Stickle, Balzac, phone 226-0353 (6)

.....
REGISTERED B.C. pups. Working parents. \$150 each. Denise VanDen Brink, R R #1, Blackfalds, phone 885-5161 (6)

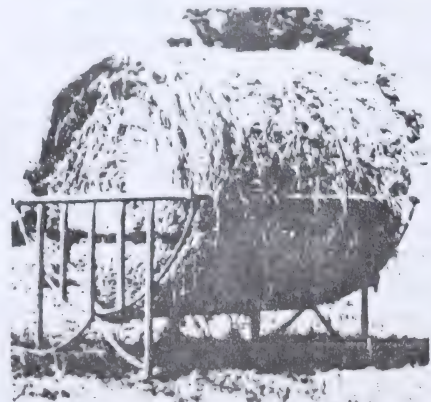
FOR SALE - MISCELLANEOUS

WILL SELL or trade 1 registered Suffolk ram. 4 years old. Very good producer. Edan Vale line. Offers please. Christine & Harry Simoens, Cochrane, phone 932-5379 (5)

.....
TO SWAP 1 Dodge 1965 600 3-Ton truck with grain box and hoist. Running order. FOR young, Suffolk ewes. Contact Greg, Irma, phone 754-2181 (5)

.....
1 SHEEP Squeeze and tipping table - \$300. Dorothy Broadbent, Ponoka, phone 783-5927 (6)

.....
METAL ROUND Bale Feeders for sheep. No more crushed lambs! We're using them and they're great! Rodney Ceccato, Eckville, phone 746-5633 (5)



.....

WANTED - SHEEP

BLACK SHEEP, Preferably Suffolk. John Gough, Balzac, phone 227-0071 (Home) or 263-2332 (Office) (5)

.....
 YOUNG BLACK ram. Rhoda Selthun, Edmonton, phone 474-2660 (5)

.....
 ALWAYS INTERESTED in good flock of sheep. Tom Eggertson, Lousana, phone 749-2280 (5)

.....
 GOOD QUALITY disease-free ewes. Preference given to winter lambers with ROP or good home-kept records. Contact Dennis Pasichney, Red Water, phone 942-4537 (6)

SERVICES

.....
 SHEEP EZEE and custom sheep handling equipment. Phil's Custom Farming and Welding, Crossfield, Alta., TOM OSO, phone 946-5530 (6)

.....
 GOATS, MOHAIR, meat, milk and minatures. Whether you are in them for fun or profit you need to belong to the Alberta Goat Breeders Association. Memberships are \$15/year which includes 6 issues of our informative magazine. Contact Lori Feldberg, R R #5, Wetaskiwin, T9A 1X2, phone 352-3073 (6)

.....
 SHEARER AVAILABLE. Kelson Quarrie, 7312 - 188 Street, Edmonton, 481-5974 (5)

.....
 RICHARDSON ENTERPRISES. Custom sheep shearer from New Zealand. Province-wide service. Phone 938-5242 (5)

.....
 SHEARER AVAILABLE. Zenek Matkowski, ZenFlex Professional Sheep Shearing, Call 343-6308 (24 Hours) or 782-5136 (Home) (5)


WOOLACOMBE CUSTOM Services. We can process your wool or mohair from 1 lb and up. Each fleece is dealt with individually and after washing, is dried naturally to preserve the softness and spring of the wool. Our batts are 36" x 16" and are excellent for spinning, quilting, felting and many other craft purposes. We can also blend your dyed or natural coloured wool or mohair. Shirley Wilkinson, 51109 Range Road 205, Sherwood Park, phone 662-2007 (5)

.....
 GALLAGHER POWER Fencing Systems Inc., Dave Lehman, Northern Alberta Area Manager, Fencing Consultant, Fort Assiniboine, phone 584-3933 (5)

.....
 GIBMAR MEATS. If your lamb or mutton qualifies for blood by-product, we will custom kill no charge. Cutting and wrapping as per your request 20c/lb rail weight. Increase your flock quality - we buy cull ewes that qualify for blood production as well. Call 922-2170 (5)

.....
 EXPERIENCED FARM hand available. Contact Mathew Copas, Box 343, Chester, Nova Scotia, BOJ LJO, phone (902) 275-4577. The Alberta Sheep Breeders' Association has received 5 letters of reference for Mr. Copas and would be happy to forward a copy. (6)

FARITECH
Systems Inc.



*Canadian Distributors for
Innovative Technology in Agriculture*
Warren Twin Lamb Detector

Manor Farm
Box 181
Vilna, Alberta
T0A 3L0

Richard C. Scoffom
President
Phone: (403) 636-2074

(5)



EDITOR'S NOTE

Classified Ads and Coming Events may be placed in Sheep Footnotes free-of-charge by contacting:

*Janet Smalley
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
T6H 5T6*

Ph: (403) 427-5077

*John Knapp
Sheep Specialist
Bag Service #1
Airdrie, Alberta
T0M 0B0*

Ph: (403) 948-8517

The deadline for Classified Ads and Coming Events is the last day of the month prior to the month of publication.

Coming Events will be run every month from when they are placed until the event. Please Note: Events should be placed in Coming Events at least 6 weeks in advance in order to ensure their publication before they occur.

Classified Ads will run initially for two months, unless cancelled after the first month. After the first two months, ads may be renewed each month by contacting Janet Smalley at 427-5077. Ads must not exceed two column inches in length or they will be edited. Full page ads and half page ads will be run for one month. If you want your full page ad condensed into a Classified Ad for the next two months, please indicate this when you send in the ad. Sheep Footnotes reserves the right to restrict the length, content and run of any Classified Ad.

EDITORS OF OTHER PUBLICATIONS

Material in Sheep Footnotes may be reprinted in other publications, but source must be stated and content of articles may not be changed without authors' permission.



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CANADIANA

JUN 23 1987

sheep footnotes

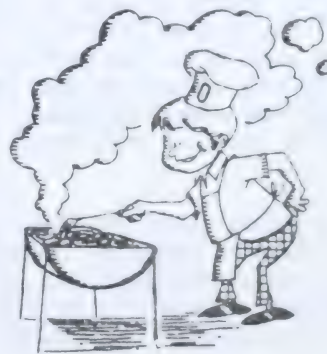


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Editor: Cathy Gallivan
 Sheep & Goat Specialist
 Beef Cattle & Sheep Branch
 7000 - 113 Street
 Edmonton, Alberta
 427-5077

Advertising: Janet Smalley
 Beef Cattle & Sheep Branch
 7000 - 113 Street
 Edmonton, Alberta
 427-5077



Alberta
 AGRICULTURE

Animal Industry Division
 Beef and Sheep Branch

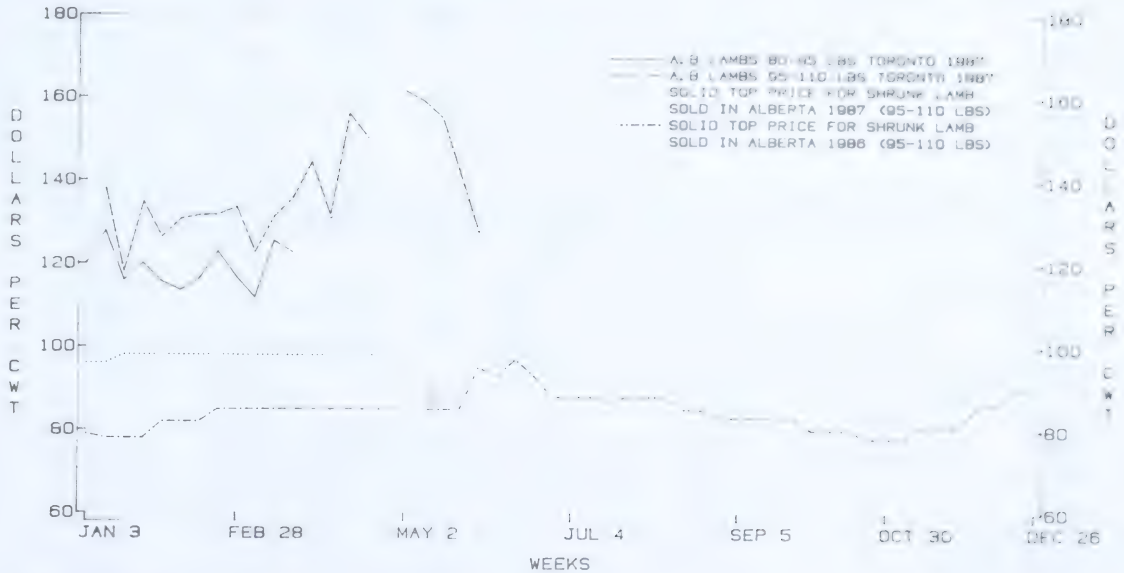
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MARKET REPORT

WEEKLY AVERAGE SLAUGHTER LAMB PRICES



NOTE: NO OR INSUFFICIENT SALES FOR CERTAIN WEEKS IN TORONTO.
 FOR THE WEEK OF MAY 30, TORONTO 95-110 LBS PRICE IS \$125.20
 AND LAMB CO SHRUNK IS \$104. POINTS DO NOT SHOW ON GRAPH AS
 THERE WERE NO QUOTES FOR BOTH IN WEEKS PRIOR TO THAT DATE.

May deliveries of good slaughter lambs were too light for a period at mid-month to quote an accurate market price. Prior to the no quote price period, Alberta lamb prices had traded at steady money of \$95.00-\$98.00 per cwt for 17 consecutive weeks. Prices for the last week of May and early June are quoted between \$102.00 and \$104.00 per cwt (\$217.00 per cwt railgrade) for good lambs weighing from 95 to 110 lbs. Availability of slaughter lambs has been limited by the reduced provincial and North American flock size as well as an active ewe lamb retention program.

Toronto markets did not have sufficient 95-110 lb lambs on offer during May to quote on accurate market price. Lighter weight lambs, weighing between 80 and 95 lbs, were also in light supply with only 262 head put on offer during the month. This is down from comparable year ago deliveries of 340 head. Average prices for light weight lambs during May ranged from \$141.61 to \$161.55 with a weighed monthly average price of \$155.74 per cwt.

New crop lambs were the most actively traded lambs in the Toronto market during May. There were 1,122 new crop lambs sold for an average price of \$178.11 per cwt. Prices ranged between \$155.00 and \$200.00 per cwt with sales to \$215.00 per cwt. New crop lambs weighed an average of 58.9 lbs during the month of May. Prices and offerings of new crop lambs drifted lower through the month.

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT LAMBCO

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON						
MAY 1987	95.00-98.00	95.00-98.00	No Quote	No Quote	---	95.00-98.00
LAST MON						
APRIL 1987	95.00-98.00	95.00-98.00	95.00-98.00	95.00-98.00	---	95.00-98.00
YR AGO MON						
MAY 1986	82.00-85.00	82.00-85.00	82.00-85.00	82.00-85.00	---	82.00-85.00
VOLUMES						
MAY 1987	614	1,302	1,331	1,258		4,505
MAY 1986	1,741	1,562	1,368	1,097		5,768

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT TORONTO PUBLIC STOCKYARDS
(With Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON						
MAY 1987	NEP	NEP	NEP	NEP	---	---
LAST MON	119.00-136.00	127.00-138.00				132.68
APRIL 1987	(130.68)	(134.21)	NEP	NEP	---	
YR AGO MON			105.00-132.00	138.00-143.00	---	134.03
MAY 1986	NEP	NEP	(125.60)	(138.62)	---	
MAY/87 VOLUMES	---	---	---	---	---	---
AVERAGE WEIGHT	-- lb	-- lb	-- lb	-- lb	-- lb	- lb

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 80-95 LBS TORONTO PUBLIC STOCKYARDS
(Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	152.00-156.00	156.00-163.00	149.00-160.00	138.00-149.00	---	155.74
MAY 1987	(161.55)	(159.11)	(155.05)	(141.61)	---	
LAST MON	124.00-148.00	136.00-180.00	140.00-170.00	NEP	---	133.49
APRIL 1987	(131.60)	(156.05)	(150.23)			
YR AGO MON	117.00-139.00	110.00-130.00	123.00-143.00	132.00-151.00	---	134.44
MAY 1986	(131.43)	(122.07)	(139.00)	(143.23)	---	
May/87 VOLUMES	38	62	107	55	---	262
AVERAGE WEIGHT	87.1 lb	89.0 lb	86.7 lb	88.6 lb	---	87.9 lb

Prices quoted for 95-110 lb lambs are bid prices at Lambco and auction prices at Toronto Public Stockyards for good quality lambs. The lower end of the Alberta price range reflects bids for short haul or unshrunk lambs while the upper end of the range represents bids for long haul or shrunk lambs. Producers delivering to the Toronto Public Stockyards pay commission and yardage fees for each animal sold. Producers delivering to Lambco pay \$1/head checkoff to the Alberta Sheep and Wool Commission.

The Toronto auction price is from the Special Sheep and Lamb Sale held on Monday each week.

N.E.P. - No established price

Marilyn Johnson, Market Analyst
Market Analysis Branch
Phone: (403) 427-4002
June 2, 1987

MARKET

** REPRESENTATIVE LIVE SALES **

May 8, 1987

AREA	TYPE OF SHEEP	TYPE OF SALE	NUMBER	WEIGHT	WEIGHING CONDITIONS	PRICE (\$/cwt)
NORTHWEST						
Oregon	Spring	Pool	400	105-115	Aug.del., woolled, FOB overnight stand	80.70
Oregon	Mixed	Pool	8,000	80-110	25% feeders, May-June delivery	87.17
Oregon	Feeder	Pool	300	65- 75	May-June del., woolled, FOB overnight Stand	88.00
OUTWEST						
California	Spring	Auction	200	90-110	Choice & prime, woolled	86.00- 87.50
California	Feeder	Auction	300	75-100	Choice & fancy, woolled	86.00- 91.00
California	Sl. Ewe	Auction	200		Cull & utility	19.00- 22.00
California	Stock Ewe	Auction	200	130-160	Solid and broken mouth	30.00- 38.00
California	Stock Ewe	Auction	600	110	Yearling, shorn (per hd.)	110.00
MOUNTAIN						
Montana	Feedlot	Direct	400	110-120	Guarantee 51% yield, shorn	84.00
Idaho	Spring	Pool	420	110-120	Choice & prime, woolled, FOB overnight	87.34
Colorado	Feeder	Auction	200	75- 95	Choice & fancy, woolled	87.50-106.00
Colorado	Feeder	Auction	300	45- 75	Choice & fancy, woolled	101.00-112.00
New Mexico	Feeder	Auction	550	89	Choice & fancy, woolled	107.50
Wyoming	Feeder	Direct	2,500	90- 95	Sept. del., woolled, FOB overnight	77.00
Montana	Feeder	Direct	3,000	80- 95	Sept. del., woolled, FOB overnight	78.00
Montana	Sl. Ewe	Auction	400		Good	25.00- 31.50
Montana	Sl. Ewe	Auction	300		Utility & good	19.25- 27.00
SOUTH CENTRAL						
Oklahoma	Old Crop	Direct	400	105-115	110 lb.wt.break, shorn, FOB overnight	93.00
Oklahoma	Spring	Teleauc	430	105-115	110 lb.wt.break, \$3 old crop discount	97.00
Texas	Feedlot	Direct	8,500	110-120	Guarantee 51% yield shorn	85.00- 86.00
Texas	Feedlot	Direct	1,000	100-110	Choice & prime, shorn, FOB 4% shrink	86.00- 87.00
Texas	Spring	Direct	400	95-110	Choice & prime, woolled, FOB 4% shrink	92.00
Texas	Feeder	Auction	900	40- 60	Choice & fancy, woolled	109.00-125.50
Texas	Feeder	Auction	1,500	60- 70	Choice & fancy, woolled	105.00-113.50
Texas	Feeder	Auction	1,500	70- 80	Choice & fancy, woolled	100.00-109.50
Texas	Feeder	Auction	1,800	80- 95	Choice & fancy, woolled	101.00-110.50
Texas	Feeder	Auction	1,000	95-105	Choice & fancy, woolled	96.00-100.00
Texas	Feeder	Direct	500	78	Choice & fancy, woolled, FOB overnight	96.00
Oklahoma	Feeder	Direct	700	104	Old Crop, shorn, FOB overnight	91.67
Oklahoma	Feeder	Direct	300	70	Choice & fancy, woolled, FOB overnight	105.00
Oklahoma	Feeder	Direct	100	93	Choice & fancy, woolled, FOB overnight	101.65
Texas	Sl. Ewe	Auction	350	110-130	Utility	24.00- 30.00
Texas	Stock Ewe	Auction	350		Ewes with lambs (per hd.)	46.50
Texas	Stock Ewe	Direct	400	110-125	Yearlings, shorn (per hd.)	100.00
Texas	Stock Ewe	Auction	200		Solid Mouth (per hd.)	69.00
ORTH CENTRAL						
Iowa-S.Minn.	Spring	Direct	500	95-125	Choice & prime, woolled, FOB 4% shrink	87.00- 89.00
Minnesota	Old Crop	Computer	279	120-130	125 lb.wt.break, \$2 woolled disc., 3% shrink	86.25
Wisconsin	Spring	Computer	750	110-120	120 lb.wt.break, woolled, 3% shrink	91.00- 92.00
EASTERN						
Virginia	Spring	Auction	250	95-125	Choice & prime, woolled	90.00- 95.60
Virginia	Spring	Computer	345	95-125	Choice & prime, woolled	99.00
Kentucky	Spring	Computer	556	95-125	Choice & prime, woolled	93.75- 96.25

** WOOL UPDATE **

The domestic wool market has slowed as majority of the p has now sold. Prices steady to 10 cents lower with decline on blackface wool 25 micron and coarser. In as, at a sealed bid sale at Eden, 54,000 lbs. sold 70's paint-free for \$1.25-1.76, mostly \$1.50-1.60. In private treaty 150,000 lbs. 64/70's from \$1.27-1.75, mostly 40-1.50. A number of 8 month wools were offered in Del on Thursday with most lots pending. In New Mexico, 1,000 lbs. were offered at two sales with 64's and 64/70's ranging \$1.25-1.71, mostly \$1.35-1.50 which is 10-15 cents less than the sales one month earlier. In Oregon, Co. pool sold 20,000 fleeces 44/54's at 76.16 cents in a 2 cent discount on shorter fleeces. 60,000 lbs. were sold for 70 cents. In Wyoming, 5,800 fleeces 62/64's \$1.323 yield 55%. 6,000 fleeces 64/70's at \$2.95 clean delivered. In Idaho, the Jefferson pool sold 2,000 fleeces 56's at 85.26 cents; Bonneville pool sold 56/60's 2,000 fleeces at 88.37 cents. In Montana, the Lower Yellowstone pool sold 1,374 whiteface fleeces at 96.32 and 456 blackface fleeces at 89.32 cents. In Colorado, 12,000 lbs. were sold in a pool in Northwest Colorado for 97.3 cents on whiteface

and 82.3 cents on blackface. In the Midwest, prices to farmers for 48's to 58's at 45-47 cents. In North Dakota, 3 of 7 pools sold 200,000 lbs. 50/58's at 79 cents. In West Virginia, 322,000 lbs. sold 48/58's at 61.77-70.50 average 66.79 cents with 60/62's at 76.25 cents and 64's at 82 cents. The Mississippi pool sold 50,000 lbs. at 62.27 cents. The Georgia pools sold 50,000 lbs at 53 cents. The Louisiana pool sold 100,000 lbs. at 60 cents. In New York, the Southern Tier and New York State Sheep Growers sold 85,000 lbs. at 67 cents; the Eastern New York pool sold 30,000 lbs. at 69.2 cents. The New England pool in Vermont sold 100,000 lbs. at 73 cents delivered. In Australia, 114,880 bales were offered of which 96.5% were sold. The market indicator rose 10A cents per kilo to settle at 741A cents per kilo (239.65 cents per lb.). Increases of 4A cents were noted on 22-23 micron fleeces and 14-15A cents on 20 and 24 micron fleeces. 21 micron fleeces fell 8A cents while 24-30 micron fleeces fell 2-5%. Principle buyers were Japan, Eastern Europe and China. Sales from stocks fell slightly this week to 413,000 bales.

Hoechst

Market Lamb Jackpot

\$2,000.00

The Sheep Committee of Lloydminster Exhibition are pleased to announce that Hoechst Canada Inc., Animal Health Department will sponsor a Market Lamb Jackpot Show in conjunction with the Lloydminster Sheep Show on Saturday, July 11th.

Entry is open to any producer. prize money will be

Grand Champion	1,000.00
Reserve Grand Champion	500.00
Division winners	500.00

Entry fee - \$20.00

Entry forms for the Hoechst Market Lamb Jackpot and Lloydminster Sheep Show offering classes for five breeds with over \$11,000.00 in prize money offered.

For information contact

LLOYDMINSTER AGRICULTURAL EXHIBITION ASSOC. LTD.
P.O. Box 690
LLOYDMINSTER, SASK.
S9V 0Y7

Phone (403) 825-5571



Coming Events

1987

June 23

3rd Entry date for the 1987 grazing season at Medicine Lake Provincial Grazing Reserve.

June 23, 24 & 25

Vermilion Agricultural Society. Vermilion Fair Grounds. Junior Sheep Show July 23, 1 PM, Junior Goat Show July 23 4 PM, Senior Sheep Show July 24-25, 1 PM. PLEASE NOTE CHANGE OF PLANS for Alberta Junior Invitational Sheep Show. It will now be integrated into the Junior Classes at the Fair. For more information call Vermilion Fair Grounds at 853-4108 or Florent vanWageningen at 853-2491.

June 25

8th Annual Range Ram and Ewe Lamb Sale, Thursday at 1:00 P.M. Fort MacLeod Auction Market. For other details call George Bourassa at 553-3515 or 553-2196.

June 25

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton at 455-2287 or Bruce McGhan, Calmar at 985-3744.

June 27

13th Annual Ram Test Sale. Olds College. Rams available for viewing 10:30 A.M. BBQ Lunch 11:30 A.M. (Everyone welcome) Sale commences 1:00 P.M. For more information contact John Knapp, Airdrie at 948-8517. See ad in this issue.

- June 27 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- July 14-19 Red Deer Exhibition. Classic Market Lamb Show. Open to purebred and commercial lambs. Contact Lynann Good at 343-7800 or Jim Kinniburgh at 343-1361.
- July 16 North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton at 455-2287 or Bruce McGhan, Calmar at 985-3744.
- July 17 Sanctioned Angora Goat Show and Judges Training. The Westerner, Red Deer. Instructor, Jack Groff, Texas. Contact Dorothy Broadbent, Ponoka, at 783-5927 for more information.
- July 22-25 Medicine Hat Exhibition and Stampede. Classes this year include Cheviots, Columbias, Suffolks and Hampshires. For more information contact Box 1298, Medicine Hat, T1A 7N1, phone 526-3979.
- July 25 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- August 29 'Wildrose' Invitational Seedstock Sheep Sale. Olds College New Arena Facility. Contact Barry Wilson, Olds College, 556-8265 or 556-6498.

September 19

Lambs In Lacombe. Family Sheep and Wool Fair. Commercial Ewe Sale. Craft Sale and much much more.

November 19-21

1987 Sheep Symposium, Banff Springs Hotel.

SHEEP PRODUCERS!
SUBSCRIBE NOW
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**"THE WESTERN SHEEP & WOOL
 PRODUCER MAGAZINE"**

If you are in the sheep business, you need to know the latest news that may affect your operation. Decisions are constantly being made by governments, both domestic and abroad, and by your commissions and associations. Keep up with these decisions by subscribing to "The Western Sheep & Wool Producer Magazine", the sheep news magazine of Western Canada, published quarterly by The Alberta Sheep & Wool Commission.

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 Calgary, Alberta T2E 7A6

Please enter my subscription as follows (check offer desired)
 \$12.00 for 1 year \$15.00 U.S.A. (Canadian funds)
 \$20.00 Foreign (Canadian funds)

Name _____ (first) _____ (last)

Address _____

City _____ Prov. _____ Postal Code _____

Box No. _____ R.R. No. _____ **Order Today!**

Alberta
AGRICULTURE

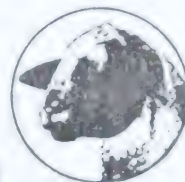
Announcing!

13th Annual

Alberta Ram Test Station Sale

Saturday, June 27, 1987 — 1:00 p.m.

New Sales Pavilion (Riding Arena), Olds, Alberta



Offering ram lambs of outstanding quality representing the following breeds:

Suffolk
Hampshire
Dorset

Columbia
Rambouillet
Polypay

There are approx. 200 rams on test

Note: Rams are eligible for sale only if they have attained an index above the station average for weight gain and if they have met the rigorous conformation standards of the culling committee. Genetic merit of these animals is amongst the highest in western Canada. Again this year, the top yearling rams will be on sale.

Rams available for viewing at 10:30 a.m.

Join us at our lamb barbeque at 11:30 a.m. Everyone welcome.

Sale catalogues available at the sale. Complete test station results available from:

JOHN KNAPP — Sheep Specialist
Alberta Agriculture,
Bag Service No. 1,
Airdrie, Alberta T0M 0B0
403-948-8517

Want to buy a test station ram, but can't attend the sale?

We can buy one for you. Contact John Knapp for more information on written bids.

ALBERTA



COUNTRY

"WILDROSE" INVITATIONAL SEEDSTOCK SHEEP SALE

Sponsored by the

ALBERTA SHEEP BREEDER'S ASSOCIATION

Saturday, AUGUST 29, 1987

Show & Sale at the

OLDS COLLEGE NEW ARENA FACILITY OLDS, ALBERTA

---oo000oo---

AN ALL-BREED EVENT - THE BEST OF WESTERN CANADA'S BEST

EARLY ENTRY NOMINATIONS HAVE BEEN CONFIRMED BY THE FOLLOWING REPUTATION BREEDERS

MIKE BUNTING, Alta.	Suffolk	OLDS COLLEGE., Alta..	Suffolk/Rambouillet
D&E/G&L CADSAND, Alta.....	Suffolk/Columbia	RED SATURN, Alta.....	Suffolk/Hampshire
CHESTER FOWLER, Alta.....	Suffolk	PAT & DAVID REID, B.C..	Suffolk/Hampshire
LYAL & V. FOX, Sask.....	Suffolk/Columbia	WM. STEPHEN, Alta...	Suffolk/N.C. Cheviot
ROBT. & AMY JACKSON, Alta.....	Rambouillet	MIKE TAYLOR, Alta.....	Dorset
CLARENCE JONES, Alta....	Suffolk/N.C. Cheviot	H. TRENTHAM, Alta.....	Suffolk/Columbia
BILL MATEJKA, Alta.....	Suffolk	WACO LIVESTOCK, Alta...	Suffolk/Hampshire
PEGGY NEWMAN, Alta.....	Hampshire/Columbia	J. & E. WILLIAMS, Alta.....	Dorset

ADDITIONAL ALL-BREED ENTRIES ARE INVITED FOR THIS INDUSTRY PROMOTIONAL EVENT

BREAKDOWNS FOR NOMINATIONS WILL BE FOR THE FOLLOWING:

** FALL & WINTER-BORN RAM LAMBS ** EWE LAMBS - BOTH SERVED & UNSERVED
 ** YEARLING & OLDER STUD RAMS ** BROOD EWES - BOTH SERVED & UNSERVED

ALL A.S.B.A. MEMBERS HAVE BEEN MAILED REGULATIONS AND ENTRY FORMS

CAREFULLY NOTE: JUNE 15TH IS ENTRY CLOSING DEADLINE

ALL ENTRIES ARE TO BE SCREENED FOR PHYSICAL FITNESS AND QUALITY PRIOR TO BEING OFFERED
 APPROVED BUYER REPRESENTATIVES AT SALE FOR ABSENTEE BIDDERS
 (George Bourassa - Bill Matejka - Lloyd Pickard - Barry Wilson)

SALE CATALOG TO SHOW: R.O.P. - MULTIPLE BIRTH - SHOW RECORDS - TWO GENERATION ANCESTRY
 SALE DAY PHONE NUMBER ANNOUNCED IN THE SALE CATALOG - WRITE/PHONE FOR YOUR COPY

For additional information - Entry Forms - Buying Assistance, etc., Contact:

ALBERTA SHEEP BREEDER'S ASSOCIATION, 2504 Toronto Cres. N.W., CALGARY, ALTA. T2N 3V9

Working For And With You



LAMBS in LACOMBE

FAMILY SHEEP & WOOL FAIR • EWE LAMB SALE • CRAFT SALE

COME TO THE FAIR SEPT. 19th IN LACOMBE

DOG TRIALS
SHEEP TO SHAWL
JUNIOR SHEEP SHOW
PHOTO COMPETITION
ANGORA GOATS

CRAFT SALE
TRADE SHOW
BARBECUE &
ENTERTAINMENT
... AND LOTS MORE

Events Start at 10:00 A.M.
Lamb Bar-B-Que At 5 P.M.
Sale At 7 P.M.

COME TO THE FAIR, STAY FOR THE BARBEQUE, AND BUY YOUR TOP QUALITY EWE LAMBS IN THE EVENING.

Admission — \$1⁰⁰

LOCATION — SALES PAVILION,
RESEARCH STATION, 45th AVE. & 58 ST.

FOR MORE INFORMATION
AND EVENT APPLICATIONS
PHONE: (403) 843-3494 or 748-2624
DOG TRIALS — 682-2490



LAMBS in LACOMBE

Sept. 19, 1987

Commercial Ewe Sale

Office Use Only

Lot No. _____

Consignor's Name _____

Address _____ Phone: _____

Lot	No. in Lot (at least five)	Eartag Numbers of Ewe Lambs in this lot (if available)	Breed or Breed Cross	Month(s) Born
A				
B				
C				
D				
E				

Total:

Sale Fee (Enclosed) _____ head @ \$6.00/head = \$ _____

Return entries no later than September 1, 1987 to:

Cathy Gallivan
Sheep and Goat Specialist
Alberta Agriculture
7000 - 113 Street
Edmonton, Alberta T6H 5T6

I have read the Rules and Terms of the Sale and agree to abide by them.

Signature _____

Note: You will be contacted shortly before the sale for the individual eartag numbers of your consignment for our catalogue if they are not available when consigning to the sale.

RULES AND TERMS OF SALE AVAILABLE FROM CATHY GALLIVAN 427-5077



LAMBS in LACOMBE

Sept. 19, 1987

Family Sheep & Wool Fair · Commercial Ewe Sale · Craft Sale

EWE LAMB SALE!

Entries are now being accepted for the 1987 Lambs in Lacombe Commercial Ewe Lamb Sale. We're looking for good quality, ROP tested ewe lambs which weigh 100 lb or more on sale day. Ewe lambs will be sold in lots of at least 5 animals, with one bid on choice. For more information contact:

Cathy Gallivan
Beef Cattle and Sheep Branch
#204, 7000 - 113 Street
Edmonton, Alberta
T6H 5T6

Phone 427-5077

Sale entries must be made by September 1, 1987.



LAMBS in LACOMBE

Sept. 19, 1987

Family Sheep & Wool Fair · Commercial Ewe Sale · Craft Sale

EXHIBITOR FORM

The exhibits will be located in two of the barns of the Lacombe Fairgrounds. The stalls are approximately 10' x 10', with a table and two chairs available if required. The booth rental cost is \$25.00 per 10' x 10' space, payable prior to July 31, 1987.

NAME: _____ PHONE: _____

ADDRESS: _____

DESCRIPTION OF ARTICLES BEING SOLD: _____

EXTRA REQUIREMENTS FOR YOUR BOOTH:

power no power extra table

My booth rental fee of \$25.00 is enclosed: _____

My booth rental fee of \$25.00 will be mailed prior to July 31, 1987 _____

The Fair Committee would like you to set up your display between 6:30 a.m. and 9:30 a.m. on September 19, 1987, and remain open until 5:00 p.m. The Fair starts at 10:00 a.m.

All cheques to be made out to "LAMBS IN TRUST". Booth rental fee and information regarding booths should be directed to:

LAMBS IN LACOMBE
C/o Fen Roessingh
RR#1, CARSTAIRS
Alberta TOM ONO

NOTE: As our emphasis is towards quality hand crafted items we reserve the right to set criteria for selection.



LAMBS in LACOMBE

Sept. 19, 1987

Family Sheep & Wool Fair · Commercial Ewe Sale · Craft Sale

PHOTOGRAPHIC COMPETITION

JUNIOR	Up to 18 years as of 1 January 1987
SENIOR	18 years and over as of 1 January 1987
CLASS	Open to both Juniors and Seniors. Classification will be determined by the Judge
300	SHEEP & SHEEP LANDSCAPES
301	SHEPHERDS
302	WOOL (Processing or Products)
303	SHEEP & CHILDREN

Submit print with your name and address written on the back of print.

Photography must be exhibitor's own work.

Only amateur photographers are eligible to enter.

CLOSING DATE 31 August 1987

ENTRIES TO Barbara Palm White
Box 102
Winfield, Alberta
TOC 2X0
Phone: 682-2480



JUNIOR SHEEP SHOW

STARTING TIME: 10:00 a.m.
RINGMAN: Mr. Jim Kinniburgh/Mrs. Edith Williams
ENTRY FEE: \$2.00 per class entered
CLOSING DATE: Thursday, 31 July 1987
RULES: According to Hays Classification
PRIZES: To fifth place: \$8, \$7, \$6, \$5, \$4
DRESS: White tee shirt, clean blue jeans
 or 4H Club Uniform

An animal may be shown in Market Class or in Breeding Class, but not in both. All animals, including Market Lambs, must be shorn and have no more than one inch of wool. All animals must be in the grounds by 9:00 a.m. on the day of the Show. All animals must be free from communicable diseases (e.g. soremouth, footrot) and keds.

CLASS **AGES:** Up to 13 years as of January 1, 1987

200 Market Lambs [judged live]
 201 Ewe Lamb
 202 Yearling Ewe
 203 Showmanship Class 200
 204 Lamb Trimming [Time allowed: 2½ hours to
 trim lamb from pasture to show condition.
 Lambs will be provided by Olds College.

AGES: 13 to 21 years as of January 1, 1987

205 Market Lambs [judged live]
 206 Ewe Lamb
 207 Yearling Ewe
 208 Showmanship Class 205
 209 Lamb Trimming [as specified in Class 204]

AGES: Up to 21 years as of January 1, 1987

300 Novelty Lead Class [Competitor to supply
 own lamb which must be broken to lead.
 Theme and costumes of competitor and lamb
 to be complementary; not essential to
 pertain to the wool or sheep industry.



FLEECE COMPETITION CANADIAN GROWN WOOL

- CLASS 1 - Range Wools
 CLASS 2 - Domestic Western
 CLASS 3 - Natural Coloured Fleeces
 CLASS 4 - Grand Champion & Reserve
 Grand Champion

RULES: No exhibitor may make more than two entries in any one section per class. All entries should indicate Breed or Cross from which fleeces were shorn. The weight of each fleece must be entered on entry form. Only complete fleeces, in the grease, are eligible for competition and must have been shorn from the flock of the competing sheep producer during 1987. No Manufacturers or Dealers in wool are eligible to compete.

CLASS 4: Only fleeces from Classes 1 & 2 are eligible.

ENTRY FEES: \$2.00 per fleece (please pay at the office in Sales Pavilion).

PRIZES: To fourth place.

DELIVERY OF FLEECES: To be delivered to the Judging Area in Sales Pavilion at Fairgrounds by 10:00 a.m. on 19 September 1987.

LABELLING: Each fleece must be labelled according to the Rules above and show your name. A receipt ticket will be issued on payment of entry fee and must be attached to the fleece.

ENTRY FORM

NAME: _____ **PHONE:** _____

ADDRESS: _____

Fleece #	Weight	Breed/Cross	Fee	For Sale	
				Not	For Sale

Total Entry Fee(s): \$ _____ Cash [] or Cheque []

FOR MORE INFORMATION CONTACT: Les Toth 327-3760



LAMBS in LACOMBE

Sept. 19, 1987

Family Sheep & Wool Fair · Commercial Ewe Sale · Craft Sale

SHEEP TO SHAWL COMPETITION

Please register our team in the Lambs in Lacombe Sheep to Shawl Competition. Our entry fee is enclosed.

NAME: _____ TEAM NAME: _____

ADDRESS: _____

PHONE: _____

CLOSING DATE: August 31, 1987

ENTRY FEE: \$10.00 per team

PRIZES: 1st Team: \$100
2nd Team: \$ 75
3rd Team: \$ 50

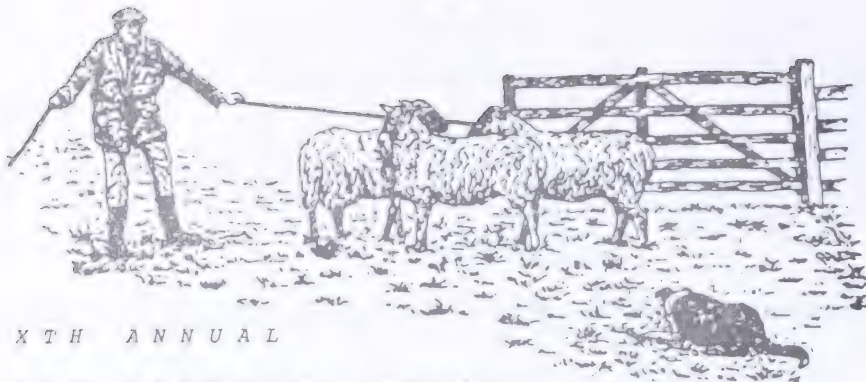
Proceeds from auction of shawls at evening sheep auction will also be given to each team. (Shawls completed during 1986 competition sold for \$90 and \$80 each).

CHEQUES MADE PAYABLE TO: "LAMBS IN TRUST"

MAIL TO: Nancy Murray
Box 2357
LACOMBE, Alberta
TOC 1S0

FOR MORE DETAILS PLEASE PHONE: Nancy Murray
782-4256

Only the first four team entries will be accepted due to space limitations.



S I X T H A N N U A L

W E S T C O A S T S H E E P D O G T R I A LAUGUST 15th & 16th, 1987
COURTENAY, BRITISH COLUMBIA

PRIZE MONEY: \$1,200 JUDGE: MICHAEL WILLIAMS

CHAMPIONSHIP TROPHY AWARDED ON TWO-DAY TOTAL POINTS

- Minimum 300 yd. Outrun - Cross-Drive - Pen - Shed - Single
- Shortened course for Novice Dogs
- Handlers Lamb Dinner on Saturday night
- Concession on grounds - Camping close by - Motels/Hotels in Courtenay

NOVICE DOG: A dog who has never placed in the top half of any OPEN trial of 10 dogs or more. A NOVICE DOG becomes an OPEN DOG after placing in the top THREE of THREE NOVICE TRIALS of 10 dogs or more.

We are pleased to be a part of THE NORTHWEST INTERNATIONAL SHEEPDOG SERIES together with Trials held in SCIO, SPOKANE and KLAMATH FALLS.

For information on this Series, our Trial or the Trial to be held in NANAIMO, BC (just south of Courtenay on Vancouver Island) on AUGUST 14th, 1987 please call the North Island Border Collie Club.

ENTRY FORM: To be mailed by JULY 30th, 1987 telephone entries accepted (604) 338-7267

ENTRY FEES: OPEN \$30 NOVICE \$20 - 3 dogs per handler, 2 dogs limit per class
(U.S. handlers please pay in Canadian Funds on Trial ground prior to Run - HOWEVER - ENTRY FORMS must be mailed by JULY 30th - or telephone entries in by that date)

HANDLER: _____ Dog 1) _____ State whether Canadian _____

Bred, American Bred or _____

ADDRESS: _____ Dog 2) _____ Import _____

_____ Dog 3) _____ _____

'PHONE _____

Handlers entering this Trial agree to accept all financial responsibility for any damages incurred by their dog(s).

signature

MAIL TO: NORTH ISLAND BORDER COLLIE CLUB
 c/o Carter/Macpherson
 R.R.# 4, Headquarters Road
 Courtenay, BC V9N 7J3

ALBERTA STOCK DOG ASSOCIATION

Lone Pine, Alberta T0G 1M0 (403) 584-2458

PRESENTS THE THIRD ANNUAL

ALBERTA OPEN INTERNATIONAL SHEEP DOG TRIALS

AND STOCK DOG TRAINING CLINIC

FORT ASSINIBOINE, ALBERTA

JULY 10, 11, 12, 1987

**\$3500.00
TOTAL PURSE
PLUS TROPHIES**



- Concession available on the trial grounds all three trial days.
- Lamb dinner Sunday noon (free to handlers) - \$6.
- Country Opry Friday night, Dance Saturday night.
- Edmonton airport shuttle service can be arranged.
- Accomodations:

Handlers may camp on the trial grounds.

Fort Motor Inn (403)584-3883

Fort Assiniboine Hotel (403)584-3755

Government camping grounds are available across the Athabasca River and at Goose Lake.

STOCK DOG TRAINING CLINIC

ON RICHARD TIPTON'S FARM - JULY 8 & 9. FEE \$75, INSTRUCTOR - R.L. OLLERENSHAW.
ALSO - JUDGING CLINIC - JULY 7. FEE \$25, INSTRUCTOR R.L. OLLERENSHAW. TO ENTER
EITHER OR BOTH CLINICS PHONE RICHARD TIPTON AT (403)584-2458. A HOT DINNER IS
INCLUDED WITH FEE ON ALL THREE CLINIC DAYS, CAMPING FREE. CLINIC IS FOR HANDLER
AND ONE DOG. EXTRA DOGS WILL BE CONSIDERED (\$25) IF CLINIC DOES NOT FILL.

JUDGE:

R.L. OLLERENSHAW OF SHEFFIELD, ENGLAND. MR. OLLERENSHAW HAS BEEN
CHAIRMAN OF THE INTERNATIONAL SHEEP DOG SOCIETY FOR THE PAST 11 YEARS.
THOUGH NOT ALLOWED TO COMPETE AT THE NATIONALS WHILE HOLDING THIS POSITION,
HE HAS REPRESENTED ENGLAND AT THE INTERNATIONAL 4 TIMES IN THE PAST.
NOW RETIRED, HE FARMED 7,500 ACRES OF HILL LAND IN NORTH DERBYSHIRE FOR
40 YEARS AND KEPT 3,000 SHEEP. HE IS CURRENTLY AN INSTRUCTOR FOR SHEEP
DOG TRAINING WITH THE AGRICULTURAL TRAINING BOARD AND COMPETES AT TRIALS
WITH 4 DOGS, WINNING 8 TRIALS LAST YEAR.

NORTH-CENTRAL SHEEP SALES - 1987-1988

Commercial Sheep Sales are scheduled to serve lamb processors in Northern and Central Alberta. At two of them grade ewes will also be offered. All sales will be held at the Edmonton Public Stockyards with the exception of a show and sale for registered ewes and rams which will be held on Edmonton Northlands grounds during Northlands Farmfair '87. This sale will be held at 1:00 p.m., Saturday, November 7th. ENTRIES CLOSE FOR THIS SALE SEPTEMBER 16, 1987.

THE DEADLINE FOR ALL NORTH-CENTRAL SHEEP SALE DELIVERIES IS 9:00 a.m. AT EACH SALE. THERE IS NO GUARANTEE THAT SHEEP BROUGHT IN AFTER 9:00 a.m. will be sold at the Sale and those that are sold can be subject to 3% shrink.

SALE DATES

- 1987 -

Thursday, June 25th	Fat and Feeder lambs	
Thursday, July 16th	Fat and Feeder lambs	
Thursday, August 6th	Fat and Feeder lambs	
Thursday, August 20th	Fat and Feeder lambs	
Thursday, September 3rd	Fat and Feeder lambs	
Thursday, September 17th	Fat and Feeder lambs	
Thursday, October 1st	Fat and Feeder lambs	(Ewe sale also indicated)
Thursday, October 15th	Fat and Feeder lambs	
Thursday, October 29th	Fat and Feeder lambs	(Ewe sale also indicated)
Thursday, November 12th	Fat and Feeder lambs	
Thursday, November 26th	Fat and Feeder lambs	
Thursday, December 10th	Fat and Feeder lambs	

- 1988 -

Thursday, January 7th	Fat and Feeder lambs
Thursday, January 21st	Fat and Feeder lambs
Thursday, February 18th	Fat and Feeder lambs
Thursday, March 17th	Fat and Feeder lambs
Thursday, April 14th	Fat and Feeder lambs
Thursday, May 26th	Fat and Feeder lambs

EWE LAMBS: Ewe lambs will be offered in special lots as breeding stock at all sales, provided the owner marks them differently from the rest of the animals he has entered in the Sale and informs the staff upon arrival with his sheep. These ewe lambs must be finished and of good quality and should weight more than 100 lbs.

 *
 * 1987 NORTHLANDS FARMFAIR - Judging purebred Sheep will be held at 11:00
 * a.m., Thursday, November 5th. Auction sale of Purebred Ewes, Grade Ewes, and
 * Purebred Rams, Saturday, November 7th at 1:00 p.m. All these events will be
 * held in Northlands AgriCom Building, Edmonton Northlands Grounds. Producers
 * are encouraged to enter wool fleeces in the fleece wool competition. Fleeces
 * can be either brought in to the Grounds November 4th or left with Canadian
 * Co-operative Wool Growers, Stony Plain, prior to that time for delivery to
 * the show. Edmonton Northlands also in encouraging Juniors to compete with
 * ewe lambs in the show and are also looking for entries from sheepmen for the
 * sheep shearing competition. Entries close September 16th, 1987. Contact the
 * Livestock Department, Edmonton Northlands, Box 1480, Edmonton, Alberta,
 * T5J 2N5 or phone 471-7210 for further information on Northlands Farmfair.
 *
 * *****

There is a strong demand for feeder lambs at all sales. Finished lambs offered in large numbers at the North-Central Sheep Sales will enable Packers and order buyers to make purchases for shipment to the Vancouver and Toronto markets and thus assist in keeping Edmonton lamb prices in line with those at other lamb marketing centres in Canada.

PLEASE NOTE: PRODUCERS ARE ADVISED TO PLEASE INFORM THE SECRETARY TWO OR THREE DAYS IN ADVANCE OF EACH SALE AS TO JUST HOW MANY LAMBS THEY ARE BRINGING TO THE SALE. THE ORDER BUYERS AND PACKING PLANTS CANNOT DO AN EFFICIENT JOB IN MARKETING YOUR PRODUCT UNLESS THEY ARE ABLE TO INFORM PROSPECTIVE BUYERS IN ADVANCE ON THE NUMBER OF LAMBS TO BE OFFERED AT EACH SALE. Phone Edmonton Public Stockyards Toll Free Number 1-800-252-9387 or Sale Office at 473-5776.

The Commission realized from these sales, which is paid to North-Central Sheep Sales, is directed toward the publicity of future North-Central Sheep Sales, paper supplied for circular letters, stamps, marking paint, and also for wages to those members of the Committee faithfully donate their time to the Sales each year. The assistance of the producer in helping these Committee members with the sorting of their lambs is greatly appreciated.

NOTE: THE DEADLINE FOR SHEEP DELIVERIES AT ALL SALES IS 9:00 a.m. THERE IS NO GUARANTEE THAT SHEEP BROUGHT IN AFTER 9:00 a.m. will be sold at the Sale - those that are sold can be subject to 3% shrink. Those producers arriving after 9:00 a.m. with sheep at these sales are requested to market them through the Edmonton Public Stockyards rather than North-Central Sheep Sales as they may have to be marketed the following week through the regular Stockyards System. THE COMMITTEE REQUESTS THAT CONTRIBUTORS OF THE LARGER CONSIGNMENTS (30 head or more) BRING THEIR SHEEP TO THE STOCKYARDS THE AFTERNOON BEFORE THE SALE SO THAT A MORE EFFICIENT JOB OF SORTING CAN BE DONE. This will ensure that North-Central Sheep Sales Committee and the Edmonton Public Stockyard will have time to mark and weight all the sheep prior to sale time.

Purchasers at all sales must have established a line of credit with the Edmonton Public Stockyards, be an Order Buyer or carry a bank letter of credit.

PLEASE NOTE: Producers are asked to carefully read item #1, FOOT ROT, under the heading "SHEEP SALE DETAILS AND REGULATIONS".

SHEEP SALE DETAILS AND REGULATIONS

1. FOOT ROT: A Veterinarian representing the Alberta Department of Agriculture, Veterinary Services Branch and Veterinary personnel representing the Canada Department of Agriculture, Health of Animals Branch, will be on hand to inspect all sheep arriving at all sales. This is not a guarantee that all foot rot animals will be detected. For the October 1st and October 29th Sheep Sales where Foot Rot is suspected, the producer involved will have two choices:
 - (a) Take the sheep home and treat them under quarantine
 - (b) Sell them for slaughter

NOTE: All sheep sold through the Sales will have to be loaded out of one or two designated chutes: sheep will be required to go through a special formaldehyde solution mixed with shavings at these chutes in order that the buyer may receive some protection against the possibility of his sheep being in contact with foot rot carrier sheep. THIS RULE WILL BE STRICTLY ENFORCED.

2. Consign your sheep to Edmonton Public Stockyards, Edmonton, Alberta

3. All Feeder lambs should be docked and castrated early. Any ewe lambs with tails will not be sold for breeding.
4. Ewes and lambs will be sorted into groups according to quality, age and breeds, where possible, in lot sizes to suit all buyers.
5. Contributors are requested to assist with the sorting of their ewes, otherwise a charge for this service may have to be made. The sorting time can be speeded up if the seller is on hand to assist with the grouping and marking of his sheep.
6. North-Central Sheep Sales charges will be 50¢ per head on all ewes and rams.
7. Producers, especially those with large consignments, are urged to bring their sheep to the Stockyards the afternoon or evening before the sale. This will mean higher prices for lambs because they are shrunk out and also there will be no danger of sheep having to be sold privately because they were late for the sale. All information on distance travelled and time of arrival of lambs at the Stockyards, will be announced in the ring.

CARE OF INFECTED SHEEP

Trim all overgrown part of each hoof.

Pare all ragged or separated horn and sole. Remove all horn or sole covering infected areas and pockets.

Pare a little diseased tissue at a time until you have removed every pocket, crevice and crack from the infected foot. Cut off all tissue that has separated from the foot and all tissue that shows evidence of infection. Probe carefully for hidden or deep pockets of infection. If necessary, cut healthy tissue to reach the infected areas. After trimming, re-examine the foot to make sure all diseased tissue has been removed.

FOOT BATH: Use zinc sulfate or 20% copper sulfate solution (2 lbs per gallon of water) to depth of 4" in trough. Sheep should move through the foot bath very slowly (five minutes per sheep for the treatment to be effective). Make sure that sheep do not hold one foot out of the bath. Do not allow sheep to run through the bath. After treatment, hold sheep in a concrete or wooden drain pen for several minutes. Then remove them to clean pasture that has been free from sheep for two weeks. Keep them isolated from the convalescent group and the clean group. Repeat treatment every day for two weeks. If it is possible, place the foot bath where sheep will have to go through the troughs of disinfectant to reach their normal feeding area. Set up panels or fences to prevent sheep from jumping over or going around the troughs. With such an arrangement, sheep seldom have to be driven through the bath. For larger flocks, use a trough 8" deep and 10' long.

For additional information on North-Central Sheep Sales, contact:

R.W. (Bob) Shopland
11916 - 129 Street
Edmonton, Alta. T5L 1G6
Phone: 455-2287

Bruce McGhan
Box 739
Calmar, Alta. T0C 0V0
Phone: 985-3744



Alberta Sheep Breeders' Association

2504 Toronto Cr. N.W., Calgary, Alberta T2N 3V9
(403) 282-6736



JOIN THE CROWD

BE INFORMED!

1 YEAR ADULT MEMBERSHIP - \$20.00

JUNIOR MEMBERSHIP

1 time payment - \$20 - expires on 18th birthday
(include month & year born)

Please make cheques payable to:
the "**Alberta Sheep Breeders Association**"
and forward to the above address.



FARMFAIR '87
PUREBRED SHEEP SHOW

Thursday, November 5th - Purebred sheep show and Pens of Three
Ewe Lambs class

Friday, November 6th - Junior Sheep Show

Saturday, November 7th - Auction sale of Purebred sheep

Purebred sheep classes are offered for Suffolk; Columbia; Dorset;
Hampshire; All Other Breeds.

If you would like to receive a prize list for Farmfair '87,
please complete the form below and return to:

Edmonton Northlands,
Agriculture Division,
Box 1480,
Edmonton, Alberta.
T5J 2N5

Entries close September 16, 1987.

For further information, telephone - 471-7210.

Please send a prize list and entry forms for:

- (a) Senior Sheep Show _____
(b) Junior Sheep Classes _____
(c) Sheep Sale Catalogue _____

to:

NAME (Please print)

R.R. /Box/ Street City or Town

Province Postal Code

SCORE CARD

The following score card shall be used in judging wool:

Color.....	15%	Staple.....	30%
Character.....	15%	Weight.....	20%
Condition.....	10%	Preparation of fleeces...	10%

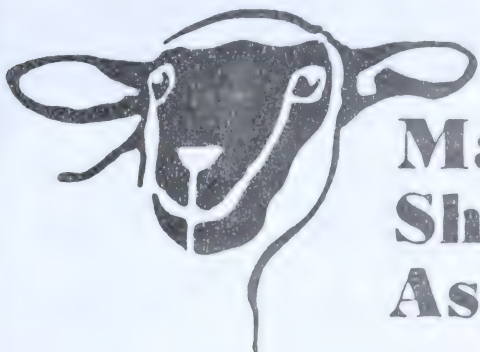
PRIZE MONEY

1st - \$20; 2nd- \$18; 3rd - \$16; 4th - \$14; 5th - \$12; 6th - \$10;
7th - \$ 8; (8th to 12th) - \$7.

- Class 47 FINE BLOOD STAPLE
Fine wools with a fibre of over 2½ inches long. Merino and Rambouillet chiefly typical of this grade.
- Class 48 1/2 BLOOD STAPLE
Fine medium staple wools with a fibre of over 2½ inches long. Rambouillet and Romney chiefly typical of this grade.
- Class 49 3/8 BLOOD STAPLE
Medium staple wools with fibre of at least 2½ inches long. Southdown, Dorset and Suffolk chiefly typical of this grade.
- Class 50 1/4 BLOOD STAPLE
Low medium staple- a longer fibre than in medium staple. North Country Cheviot and Hampshire chiefly typical of this grade.
- Class 51 Grand and Reserve Grand Champion fleece. 1st and 2nd prize winners in above classes compete. Ribbons only.

THE CANADIAN CO-OPERATIVE WOOL GROWERS LTD. provide an award for the Champion Fleece.

NORTHLANDS FARMFAIR PROFESSIONAL SHEEP SHEARING COMPETITION
for information contact - Edmonton Northlands, Box 1480,
Edmonton, Alberta. Phone: 471-7210.



Manitoba Sheep Association

presents the

2nd Annual Summer Sheep Sale

Dauphin Fairgrounds, Dauphin, Manitoba
Saturday, June 27, 1987

Featuring:

- *PUREBRED RAM LAMBS AND YEARLING RAMS*
- *PUREBRED EWE LAMBS AND YEARLING EWES*
- *QUALITY GRADE REPLACEMENT EWE LAMBS*
(to be sold as pairs or pens of three)

Plus:

- *COMPLETE DISPERSAL SALE*
of the PUREBRED SUFFOLK FLOCK
of Graham & Karen Rannie
of Binscarth, Manitoba
- *OVER 60 HEAD OF QUALITY, SELECTED PUREBRED STOCK*

(for further information on this flock, contact Graham Rannie,
Box 256, Binscarth, Manitoba, R0J 0G0 or phone 532-2008)
These animals will be inspected and eligible for export.

All animals in these sales will be subject to strict culling for
structural, health and reproductive soundness.

Catalogues for the sales will be available prior to sale day.

Producers requiring further information, regulations or entry forms please contact
Tig Shafto, 545 University Crescent, Winnipeg, Manitoba, R3T 2N2 or phone 945-2223.

DEADLINE FOR ENTRIES IS JUNE 1, 1987

WHAT'S NEW IN
PUBLICATIONS

VOLUME 12, NUMBER 3
April, May, June 1987

The following publications are now available from Alberta Agriculture, Print Media Branch, Main Floor, 7000 - 113 Street, Edmonton, Alberta, T6H 5T6.

ALBERTA AGRICULTURE PUBLICATIONS

Agdex Number

- 007 Alberta Exhibitions, Fairs and Agricultural Societies 1987. 1987. 52 pages.
- 100/81-6 Average Analysis of Alberta Feeds 1976-1986. 1987. 52 pages.
- FS114/33-28 Varietal Description of Ellice Two-Row Spring Barley. Revised 1987. 5 pages. "Agri-Fax."
- FS142/33-14 Varietal Description of Bellevue Field Pea. 1987. 3 pages. "Agri-Fax."
- FS561-8 Irrigation Management of Flax. 1987. 4 pages. "Agri-Fax."
- FS561-9 Irrigation Management of Grain Corn. 1987. 4 pages. "Agri-Fax."
- FS616-5 How to Reduce Bee Poisonings from Pesticides. 1987. 4 pages. COUNTRY GUIDE insert May 1987.
- FS655-4 Hookworms in Dogs. 1987. 2 pages. "Agri-Fax."
- 663-36 Rabies in Alberta. 1987. 13 pages.
- 684-10 Prevention and Control of Coyote Predation. 1987. 30 pages.
- FS753-7 Sump Design Considerations for Irrigation Pumps. 1987. 3 pages. "Agri-Fax."
- 763-7 Special Additives and Oil Conditioners. 1987. 4 pages.
- 763-8 Oil Analysis is a Very Effective Preventative Maintenance Tool. 1987. 4 pages.
- 763-9 To Ensure Long Life of Machinery and Equipment, Periodic Oil Changes are an Absolute Necessity. 1987. 4 pages.
- 763-10 Facts About Oil Filters and Filtration. 1987. 4 pages.

- 817-4 Farm Business Incorporation. Revised 1987. 29 pages.
- 821-41 Economics of Heavy Turkey Production in Alberta. 1987. 17 pages.
- 825-4 Farm Machinery Costs as a Guide to Custom Rates 1987. Revised 1987.
17 pages.
- 825-12 Farm Machinery Costs. 1987. 144 pages.
- 825-17 Directory of Custom Operators in Alberta 1987. 1987. 17 pages.
- FS830-1 How Capital Structure Affects Earning Performance. 1987. 4 pages.
"Agri-Fax."

FOR SALE - SHEEP

- POLYPAY** ewe lambs. 2 adult rams. Also ram lambs. U.S. registered. Also spring born 1/2 and 3/4 Polypay ewe lambs. Ron Quinton, Calgary, phone 252-1218 or Cardston (weekends) 653-2055 (6)
-
- ROMONOV CROSS** ram lambs, some Romonov cross ewe lambs, Finn cross ewe lambs. Also 2 Finn cross yearling rams. Pat & Lesley Barrott, Vulcan, phone 599-2141 (6)
-
- 3Y BRIGHTFRANK** Finnsheep. Registered Finn sheep. Ram lambs and yearlings. Top quality sheep with production records from a disease-free flock. Also Finn/Suffolk and Finn/Columbia ram lambs. For information or to arrange visit call Kathy Playdon Stony Plain, phone 963-0416 (6)
-
- BLACK LINCOLN**, yearling ewe. American registration. Gale Skreprenyk, Fort Saskatchewan, phone 895-2760 (6)
-
- PUREBRED CLUN** Forest ewe lambs. Also a few young ewes and ram lambs from an excellent flock. Easy lambing. Average 200% lamb crop. Don Spicer, Cochrane, phone 932-4262 or 262-5717 (6)
-
- PUREBRED TARGEE** Yearling rams, ram lambs and ewe lambs. Also 100 commercial ewes. 1-7 years old. Suffolk, Hampshire, Rambouillet and Columbias. Francis Cyr, Pincher Creek, phone 627-4401 (6)
-
- 2 YEAR** old Suffolk ram. Sired only twins & triplets - \$300. 1 year old Suffolk ram. Easy lambing - \$150. 10 black ewes. Due to start lambing in early May. Bred to registered Finn - \$225 each. 10 crossbred ewes. Open. Available in June - \$125-135 each. Also available in June & July several Finn cross ram lambs. All multiple births - \$125-175. 2 Suffolk ram lambs. Triplets - \$150 and a few more lambs at \$120. Allie Beaudry, Cherhill, phone 785-2940 (days) or 785-2813 (evenings) (6)
-
- REGISTERED DORSET** and Suffolk ram lambs. Patrick Iyster, R R #2, Site 7, Box 35, Grande Prairie, phone 532-0471 (6)
-
- EWELAMBS**. Grant Reum, Box 337, Ryley, phone 663-2238 (7)
-
- REGISTERED R.O.P.** tested Suffolk ram lambs and ewe lambs. Complete breeding records. 19 years on government R.O.P. Kure's Suffolk, R R #1, Innisfail, TCM 1A0. Call Brian at 728-3744 or Gordon at 728-3361 (7)
-
- REGISTERED SUFFOLK** ram. 10 ewes. Suffolk & Finns & crosses. Brenda or Rick Colling, Didsbury, phone 335-8666 (7)
-
- 50 SUFFOLK X Dorset** ewe lambs. Twins and triplets. Lambing records available. January born. Allen Leighton, Ponoka, phone 783-6902 (7)
-
- 2 YEARLING** 1/2 Finn rams. Knapp bloodlines. ROP, wormed, vaccinated. Brenda Booker, Sherwood Park, phone 662-3877 (7)
-
- 1 YEAR** old Suffolk ram. Olds Test Station Index 109. Fowler-Pickard breeding. Have sold ewes. Asking \$300. Floyd Dargatz, Millet, call 387-4838 or 387-4852 (7)
-
- 1 FOUR** year old Hampshire purebred. Reed breeding. 2 - 3 year old Rambouillet. Olds College. 2 - 2 year old Finn X Rambouillet. Out of quad. John Grant, Jarvie, call 954-2445 (7)
-
- ROMONOV SHEEP**. Also crossbreds. Contact Charles Keeler, Calgary, 935-4585 (7)
-
- SUFFOLK EWES**. Born spring of 1986. One with lamb at foot. From small carefully managed herd. All wormed and vaccinated. Art Wise, High River, phone 652-3117 (7)
-
- DORSET LAMBS**. Purebred registered ewes and rams born February and March. From small carefully managed herd. All wormed and vaccinated. Art Wise, High River, phone 652-3117 (7)
-
- THRIFTY FLOCK** of 70 Suffolk cross ewes with 170% live lamb crop at foot. Well culled. Predominately young and easy lambers. John Hull, Rimbey, call 843-6690 (7)
-
- ROMONOV** ram lambs. Also a few Romonov crossed ram lambs. May consider trading for healthy ewes or ewe lambs. Hi Lo Hills Romonov, Tom Makowecki, Box 486, St. Paul, phone 645-6913 (7)
-

1 SEVEN year old Rambouillet ram brought in from Montana. Very good condition. Call Amy-Rob Rambouillets, Didsbury, 335-4348 (7)

RAMBOUILLET rams. Yearlings. ROP from disease-free flock. Whiffletree Farm, Delburne, phone 749-2381 (7)

JANUARY 87 born colored ram. 1/4 Rambouillet, 1/4 Border Leicester and 1/2 Corriedale. Marilyn LaRose, Stettler, phone 742-5046 (7)

1 RAMBOUILLET ram. Olds College breeding. 2 years old. Walter Cowle, Box 9, Site 11, R R #1, DeWinton, TOL OXO (7)

BLACK CORRIEDALE X yearling proven ram. Mother is registered Corriedale, father black Lincoln/Dorset. Contact Diana Adams, Box 9, Site 39, R R #2, Creston, B.C. V9S 1G3 (7)

FOR SALE - GOATS

4 REGISTERED Nubian doe kids. Born in January - \$135 each. 1 registered Alpine milking doe - \$150. Linda Spahic, Hay Lakes, phone 878-3784 before 9AM or after 7 PM (6)

FOR SALE - DOGS

AUSTRALIAN SHEPHERD puppies. Excellent working lines. Pups born April 17/87. 1 Black Tri-male, 1 Black Tri-female. 2 blue Merle females. Evan & Maureen Tona, Athabasca, phone 675-5199 or Jack Plumley at 675-3344 or Tim Sauer at 675-4817 (6)

REGISTERED BORDER Collie pups. Born April 19th. Ready in June. Males & females. Lyle Hamer, Red Water, phone 942-4184 (6)

4 REGISTERED male Border Collie pups, 8 weeks old. Both parents working. \$200 each. Danny Stickle, Balzac, phone 226-0353 (6)

REGISTERED Border Collie pups. Working parents. \$150 each. Denise VanDen Brink, R R #1, Blackfalds, phone 885-5161 (6)

KOMONDOR PUPPIES. Guard dogs from working parents. Ready in mid-June. Ronald Bruder, Pincher Creek, phone 627-5141 (7)

BORDER COLLIE pups. Good bloodlines. Working parents. Litter 1 female and 4 males born March 11, 1987. Vaccinated & wormed. D. Long, Sundre, call 638-2819 (7)

GREAT PYRENEES puppies expected end of June from top working dogs. Father - Ventisquero background, french import bloodlines, top showdogs in Canada. Proven equally good working dogs. Mother - Soleil-Soleil breeding, top working bloodlines from the States. A lot of her puppies are working with flocks in Alberta & B.C. Puppies are expected to be large and going fast. Our only litter this year. All pups guaranteed on hips and sound temperament. Christine & Harry Simoens, POLA Kennels, Cochrane, phone 932-5379 (7)

FOR SALE OR TRADE

REGISTERED SUFFOLK ram. Good breeder. Asking \$100 or take trades of clean barley, oats or hay. Also registered French Alpine buck kid born March 1987 from very good *M bloodline. Take your pick from twins. Asking \$200 or take trades of feed. POLA Kennels, Christine & Harry Simoens, Cochrane, phone 932-5379 (7)

PUREBRED SUFFOLK ram, 4 years old. Triplet with high ROP and sires high percentage of ewe lambs. A good strong ram and proven breeder. Will sell or trade for replacement ewe. Also purebred Angora goat wether, approx. 2 years old. Will sell or trade for good replacement ewes. Dorothy Marshall, Edberg, phone 877-2649 (7)

PUREBRED HORSES. 2 grey 4 year old Arabian mares. Well broke to ride. 1 grey 8 year old mare. 1 bay, white face and 3 white socks. Well broke to ride. Will sell or trade for sheep or lambs. Also 1, 9 year old brown gelding. Good as man's saddle horse. \$700. Jack Donet, Box 517, Two Hills (7)

FOR SALE - MISCELLANEOUS

1 SHEEP Squeeze and tipping table - \$300. Dorothy Broadbent, Ponoka, phone 783-5927 (6)

1 SHEEP turning table. Brenda Booker, Sherwood Park, phone 662-3877 (7)

6 - 1500 lb capacity sheep/hog steel self feeders.
10 - 1000 lb capacity sheep/hog wood self feeders.
3 - 300 lb capacity sheep/hog plastic self feeders.
4 - 200 lb capacity sheep/hog steel self feeders.
Plus sheep vet equipment - burdizzos, ear notching
pliers, ear tag pliers, etc. Call Ron Gordon,
Athabasca, 675-4442 (7)

.....
THANK YOU to Gary & Val Barger of Irma who
purchased our entire Hampshire breeding flock. We
still have a few top quality purebred Hampshire &
Dorset rams priced to sell at \$200 each. We also
have 1 sheep squeeze and tipping table \$200, 35
bushel creep feeders at \$75 each, 1 sheep scale
\$250, round bale feeders starting at \$40 each plus
a lot of small equipment including elastrators,
tattoo set, ear tags, etc. Approximately 130 mid-
size big round bales - \$20 each for tarped ones.
Untarped \$8 & \$12. Package price for all \$1250 or
best offer. Call Chris Grab, Box 143, Hay Lakes,
672-7350 after 5 PM (7)

.....
137.5 ACRE sheep farm. East of Sundre. Fenced &
cross fenced with page wire. Corrals, waterers,
large barn, several smaller buildings. 80 acres
cultivated. Balance treed pasture. 3 wells.
Large family home. Possibility of assumable 9%
mortgage. Darrell Smith, phone 556-8879 (7)

WANTED - SHEEP

GOOD QUALITY disease-free ewes. Preference given
to winter lambers with ROP or good home-kept
records. Contact Dermis Pasichney, Red Water,
phone 942-4537 (6)

.....
500 OLDER sound ewes. Preferably Suffolk. Call
Renee Fisher, Irricana, 935-4733 (7)

.....
SHEEP SHEARING gear. A grinding disk for
sharpening combs & cutters. A 'Sunbeam' or a
'Lister' hand piece. Also combs and cutters.
Kendall Smith, Lloydminster, phone 875-4275 or
875-3908 (7)

SERVICES

.....
SHEEP EZEE and custom sheep handling equipment.
Phil's Custom Farming and Welding, Crossfield,
Alta., TOM OSO, phone 946-5530 (6)

EXPERIENCED FARM hand available. Contact
Mathew Copas, Box 343, Chester, Nova Scotia,
BOJ 1J0, phone (902) 275-4577. The Alberta
Sheep Breeders' Association has received 5
letters of reference for Mr. Copas and would
be happy to forward a copy. (6)

.....
GOATS, MOHAIR, meat, milk and miniatures. Whether
you are in them for fun or profit you need to
belong to the Alberta Goat Breeders Association.
Memberships are \$15/year which includes 6 issues
of our informative magazine. Contact Lori
Feldberg, R R #5, Wetaskiwin, T9A 1X2, phone
352-3073 (6)

.....
SHEARER AVAILABLE. Garth Hammond. Phone 433-7241,
Edmonton (7)

.....
C.S.B.A FEE changes. Effective June 1, 1987.
Extended pedigree - \$15.00. Registration imported
animals - \$10.00. Corrected certificates -
\$10.00 (7)

.....
CUSTOM WOOLEN MILLS - Your complete processing
facility. Full range of custom services, including
washing of wool & other fibres, dyeing, carding,
twisting, spinning, and custom sewing. Ask about
our Sheep & Wool Marketing Kit. For more infor-
mation, please contact Custom Woolen Mills Ltd.,
R R #1, Carstairs, TOM ONO, phone 337-2221 (7)

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Richard C. Scoffom
President
Phone: (403) 636-2074

(7)



EDITOR'S NOTE

Classified Ads and Coming Events may be placed in Sheep Footnotes free-of-charge by contacting:

*Janet Smalley
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
T6H 5T6*

Ph: (403) 427-5077

*John Knapp
Sheep Specialist
Bag Service #1
Airdrie, Alberta
T0M 0B0*

Ph: (403) 948-8517

The deadline for Classified Ads and Coming Events is the last day of the month prior to the month of publication.

Coming Events will be run every month from when they are placed until the event. Please Note: Events should be placed in Coming Events at least 6 weeks in advance in order to ensure their publication before they occur.

Classified Ads will run initially for two months, unless cancelled after the first month. After the first two months, ads may be renewed each month by contacting Janet Smalley at 427-5077. Ads must not exceed two column inches in length or they will be edited. Full page ads and half page ads will be run for one month. If you want your full page ad condensed into a Classified Ad for the next two months, please indicate this when you send in the ad. Sheep Footnotes reserves the right to restrict the length, content and run of any Classified Ad.

EDITORS OF OTHER PUBLICATIONS

Material in Sheep Footnotes may be reprinted in other publications, but source must be stated and content of articles may not be changed without authors' permission.





JUL 31 1987

sheep footnotes



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Editor: Cathy Gullivan
 Sheep & Goat Specialist
 Beef Cattle & Sheep Branch
 7000 - 113 Street
 Edmonton, Alberta
 427-5077

Advertising: Janet Smalley
 Beef Cattle & Sheep Branch
 7000 - 113 Street
 Edmonton, Alberta
 427-5077

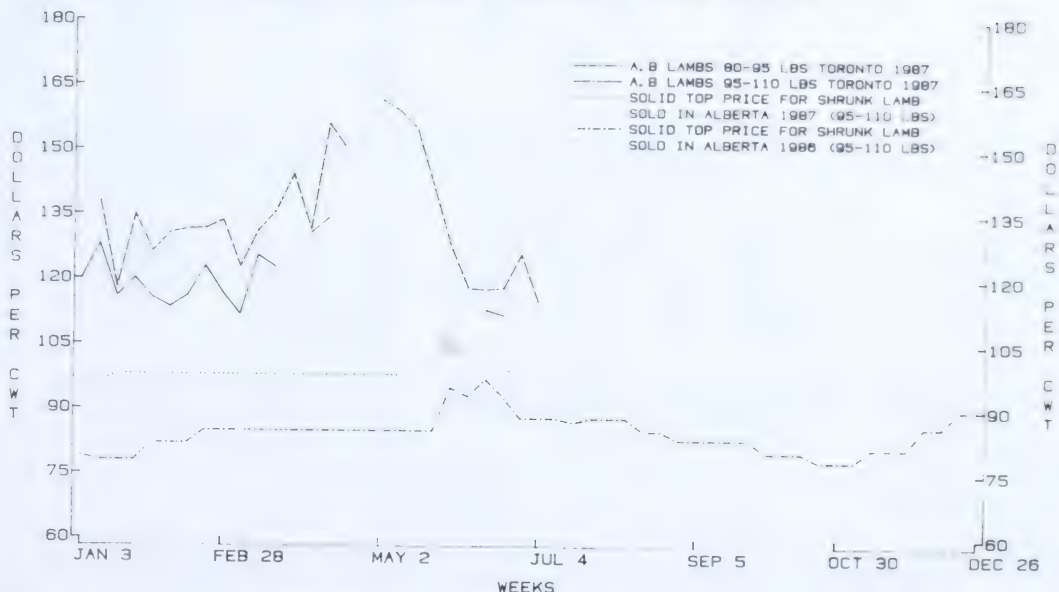


Alberta
 AGRICULTURE

Animal Industry Division
 Beef and Sheep Branch

MARKET REPORT

WEEKLY AVERAGE SLAUGHTER LAMB PRICES



NOTE: NO OR INSUFFICIENT SALES FOR CERTAIN WEEKS IN TORONTO

As local supplies of slaughter lambs became more plentiful in the latter part of June the bid prices at Lambco softened. While prices for good lambs started the month at record high levels of \$102.00 to \$104.00 per cwt (\$2.17 per lb railgrade), by month end they had slipped to \$96.00 to \$99.00 per cwt. Average June prices were, however, above May levels and could have well set the high for 1987 as Alberta slaughter lamb prices decline seasonally into the fall months.

The Toronto market traded actively during June on light volumes. The good lambs weighing 95-100 lb averaged \$119.19 per cwt through June with a monthly total of 97 head offered. Light lambs weighing 80-95 lb average \$121.29 per cwt on 521 head compared to year ago levels of \$117.46 per cwt on 613 head. The most buoyant Toronto market was again the new crop lamb market which had 316 head sell during June for an average price of \$151.45 per cwt. Sales for new crop lambs ranged from \$140.00 to \$205.00 per cwt. The average new crop lamb weight was 55.3 lb and ranged from 52 to 59 lb.

Prices expectations are for prices to follow an inverse pattern to slaughter lamb supplies. July tends to be a higher supply period so downward pressure can be expected.

Overall the supply situation is not burdensome and therefore the downward price potential is limited. Prices during July are expected to range between a low of \$93.00 and a high of \$99.00 per cwt at Lambco.

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT LAMBCO

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON						
June 1987	102.00-104.00	101.00-104.00	101.00-104.00	98.00-101.00	96.00-99.00	99.40-102.40
LAST MON						
May 1987	95.00-98.00	95.00-98.00	No quote	No quote	-	95.00-98.00
YR AGO MON						
June 1986	92.00-95.00	90.00-93.00	94.00-97.00	90.00-93.00	85.00-88.00	90.20-93.20
VOLUMES						
June 1987	1,341	982	1,170	1,546	1,445	6,484
June 1986	1,422	1,430	1,125	1,475	1,566	7,018

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT TORONTO PUBLIC STOCKYARDS
(With Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	120.00-130.00	N.E.P.	100.00-118.00	106.00-116.00	N.E.P.	119.19
June 1987	(125.20)		(113.00)	(111.80)	-	-
LAST MON	N.E.P.	N.E.P.	N.E.P.	N.E.P.		
May 1987						
YR AGO MON	111.00-129.00	99.00-115.00	100.00-118.00	103.00-116.00	100.00-113.00	113.38
June 1986	(122.89)	(111.10)	(110.42)	(108.96)	(107.47)	
June/87 VOLUMES	51	-	27	19	-	97
AVERAGE WEIGHT	102.0 lb	- lb	103.7 lb	100.3 lb	- lb	102.0 lb

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 80-95 LBS TORONTO PUBLIC STOCKYARDS
(Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	123.00-142.00	111.00-122.00	110.00-120.00	112.00-124.00	122.00-135.00	121.29
June 1987	(127.67)	(118.00)	(117.72)	(118.10)	(125.90)	
LAST MON	152.00-156.00	156.00-163.00	149.00-160.00	138.00-149.00	-	155.74
May 1987	(161.55)	(159.11)	(155.05)	(141.61)	-	
YR AGO MON	120.00-136.00	100.00-125.00	100.00-114.00	109.00-122.00	114.00-127.00	117.46
June 1986	(129.86)	(141.93)	(106.97)	(115.58)	(119.93)	
June/87 VOLUMES	131	115	101	117	57	521
AVERAGE WEIGHT	85.4 lb	87.0 lb	87.1 lb	84.9 lb	87.5 lb	86.4 lb

Prices quoted for 95-110 lb lambs are bid prices at Lambco and auction prices at Toronto Public Stockyards for good quality lambs. The lower end of the Alberta price range reflects bids for short haul or unshrunk lambs while the upper end of the range represents bids for long haul shrunk lambs. Producers delivering to the Toronto Public Stockyards pay commission and yardage fees for each animal sold. Producers delivering to Lambco pay \$1/head checkoff to the Alberta Sheep and Wool Commission.

The Toronto auction price is from the Special Sheep and Lamb Sale held on Monday each week.

N.E.P. - No established price

Marilyn Johnson, Market Analyst
Market Analysis Branch
Phone: (403) 427-5376
July 3, 1987

MARKET

**** REPRESENTATIVE LIVE SALES ****
JUNE 12, 1987

AREA	TYPE OF SHEEP	TYPE OF SALE	NUMBER	WEIGHT	WEIGHTING CONDITIONS	PRICE (\$/cwt)
SOUTHWEST						
California	Mixed	Direct	1,000	95-100	80% feeders, woolled, FOB 4% shrink	86.50 - 87.00
California	Spring	Auction	400	90-120	Choice & prime, woolled	87.50 - 89.00
California	Feeder	Auction	800	70-100	Choice & fancy, woolled & shorn	85.00 - 88.50
California	Feeder	Auction	400	60- 90	Good & choice, woolled & shorn	80.00 - 84.00
California	Sl. Ewe	Auction	300		Cull & utility	12.00 - 22.00
California	Sl. Ewe	Direct	200		Utility	16.00
California	Stock Ewe	Direct	200		4 year to solid mouth (per head)	75.00 - 85.00
MOUNTAIN						
Wyoming	Spring	Pool	425	108-118	Choice & prime, woolled, delivered	88.48
Idaho	Spring	Pool	950	111-115	Choice & prime, woolled, FOB overnight	88.20 - 88.58
Colorado	Spring	Auction	350	100-120	Choice & prime, woolled & shorn	86.00 - 91.00
Colorado	Mixed	Direct	9,000	90-100	75% feeders, Oct.del., delivered	78.00 - 80.00
Colorado	Feeder	Auction	200	50- 70	Choice & fancy, woolled	94.00-103.00
Colorado	Feeder	Auction	350	70-100	Choice & fancy, woolled	88.00 - 99.00
Idaho	Feeder	Auction	600	90- 95	Choice & fancy, woolled	81.50 - 84.85
Idaho	Feeder	Direct	800	75- 85	Oct.del., woolled, FOB overnight	80.00
Idaho	Feeder	Pool	750	82- 92	Choice & fancy, woolled, FOB overnight	91.55
Wyoming	Feeder	Direct	2,000	70- 80	Oct.del., woolled, FOB overnight	85.00 - 86.00
SOUTH CENTRAL						
Texas	Feedlot	Direct	800	110-125	Old crop, guarantee 51% yield, shorn	84.00 - 86.00
Texas	Feedlot	Direct	8,500	95-110	New Crop, choice & prime, woolled, FOB 4%	90.00 - 92.00
Texas	Feeder	Auction	400	30- 45	Choice & fancy, woolled	106.00-129.00
Texas	Feeder	Auction	600	45- 60	Choice & fancy, woolled	96.50-101.00
Texas	Feeder	Auction	600	60- 70	Choice & fancy, woolled	89.00 - 96.00
Texas	Feeder	Auction	800	70- 80	Choice & fancy, woolled	87.00 - 91.75
Texas	Feeder	Auction	1,000	80- 90	Choice & fancy, woolled	85.00 - 93.00
Texas	Feeder	Auction	600	90-100	Choice & fancy, woolled	85.00 - 91.50
Texas	Sl. Ewe	Auction	1,000		Utility	24.00 - 28.00
Texas	Stock Ewe	Auction	700		Short solid (per head)	50.00 - 60.00
Texas	Stock Ewe	Auction	600		Broken mouth (per head)	40.00 - 50.00
NORTH CENTRAL						
Iowa-S.Minn.	Spring	Direct	4,000	105-115	Choice & prime, woolled, FOB 4% shrink	80.00 - 87.00
S. Dakota	Spring	Auction	700	105-125	Choice & prime, woolled	82.50 - 86.00
Wisconsin	Spring	Computer	1,000	100-120	Next week.del., woolled, 3% shrink	81.75 - 82.00
Indiana	Spring	Computer	150	100-120	125 lb.wt.break, woolled, 3% shrink	82.00
Iowa	Spring	Direct	750	110-125	125 lb.wt.break, woolled, 3% shrink	85.00 - 89.00
Iowa	Spring	Direct	325	110-125	Next week del., woolled, 3% shrink	82.50 - 83.00
Minnesota	Spring	Auction	400	100-125	Choice & prime, woolled	81.00 - 85.00
S. Dakota	Feeder	Auction	400	75-100	Choice & fancy, woolled	86.00 - 92.50
S. Dakota	Feeder	Auction	200	35- 65	Choice & fancy, woolled	100.00-104.00
EASTERN						
Virginia	Spring	Computer	847	95-125	Choice & prime, \$4 shorn discount	83.75 - 84.25
Virginia	Spring	Auction	500	95-125	Choice & prime, woolled	75.00 - 83.50
Michigan	Spring	Auction	500	90-115	Choice & prime, woolled	80.00 - 85.00
Kentucky	Spring	Auction	250	90-120	Choice & prime, woolled	82.50 - 85.50
Kentucky	Feeder	Auction	.00	75- 85	Choice & fancy, woolled	70.00 - 78.00
Michigan	Sl. Ewe	Auction	300		Utility & good	18.00 - 25.00

**** WOOL UPDATE ****


Trading in the domestic wool market is at a standstill as most of the domestic wool clip is now sold. Recent sales limited to 30,000 pounds in Oregon bulk 4's to 58's at 72 cents on twelve month staple and 0 cents on six month growth. 7,000 pounds of 60's staple in Idaho at 95 cents grease FOB. In the Midwest, the Peoria, IL pool sold 66,000 pounds bulk 48's to 58's at an average of 60.49 cents grease FOB collection point.

Australian wool auctions will be closed until next week. New Zealand wool auction prices were firm but coupled with a declining U.S. dollar accounted for prices voted to U.S. users 4-5 cents higher.

**** ASPC PELT MARKET REPORT - JUNE 1987 ****
FOB packer, sailed and unflashed

Fall Clip	\$10.50 - 11.00
No. 1	\$ 9.50 - 10.00
No. 2	\$ 8.50 - 9.00
Spring western style	\$13.00 - 14.00
Spring native	\$12.00 - 12.50

The pelt market continued to move up from May levels with all grades higher. There are very few shearlings around. Prices could be higher if a large enough quantity were offered. Prices appear to have topped out as English skins have fallen \$.80-1.15 in the past couple of weeks. Australian skins are also being offered at lower money. Demand though is still good for quality skins with no defects.



Coming Events

1987

July 17

Sanctioned Angora Goat Show and Judges Training. The Westerner, Red Deer. Instructor, Jack Groff, Texas. Contact Dorothy Broadbent, Ponoka, at 783-5927 for more information.

July 22-25

Medicine Hat Exhibition and Stampede. Classes this year include Cheviots, Columbias, Suffolks and Hampshires. For more information contact Box 1298, Medicine Hat, T1A 7N1, phone 526-3979.

July 23, 24 & 25

Vermilion Agricultural Society. Vermilion Fair Grounds. Junior Sheep Show July 23, 1 PM, Junior Goat Show July 23 4 PM, Senior Sheep Show July 24-25, 1 PM. PLEASE NOTE CHANGE OF PLANS for Alberta Junior Invitational Sheep Show. It will now be integrated into the Junior Classes at the Fair. For more information call Vermilion Fair Grounds at 853-4108 or Florent vanWageningen at 853-2491.

July 25

Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.

July 25

Badland Hills Sheep Grazing Association Annual Field Days at Hays. Pasture tours, BBQ and Trade Fair all starting at 10 A.M. Contact Jerry Reti at 223-9418.

August 6

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

August 8

Sheep Sale. Purebred ewes, ewe lambs and rams. Commercial ewes and ewe lambs. Entry forms and further information from sale sponsor the Lloydminster Exhibition. Beginning at 2 P.M. Contact Virginia Fox, Chairman or Dick Jones at Box 690, Lloydminster, S9V 0Y7 or call 403-825-5571.

August 15 & 16

Sixth Annual West Coast Sheepdog Trial, Courtenay, B.C. Judge - Michael Williams. Prize Money - \$1,200. Entries to North Island Border Collie Club, c/o Carter/Macpherson, R R #4, Headquarters Road, Courtenay, B.C., V9N 7J3, phone (604) 338-7267.

August 20

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

August 29

'Wildrose' Invitational Seedstock Sheep Sale. Olds College New Arena Facility. Contact Barry Wilson, Olds College, 556-8265 or 556-6498.

August 29

Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, T0B 1W0, phone 878-3784.

- September 5 7th Annual Registered Ram & Ewe and Commercial Ewe Lamb Sale at 1:00 P.M. Patterson's Auction Mart Ltd., Dawson Creek, B.C. For more information contact Alex Fraser, Progress, B.C., VOC 2EO, phone (604) 843-7430.
- September 19 Lambs In Lacombe. Family Sheep and Wool Fair. Commercial Ewe Sale. Craft Sale and much much more.
- September 29 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- November 5 Farmfair '87 Purebred Sheep Show and Pens of Three Ewe Lambs class. Entries close September 16, 1987. For further information telephone 471-7210.
- November 6 Farmfair '87 Junior Sheep Show. Entries close September 16, 1987. For further information telephone 471-7210.
- November 7 Farmfair '87 Auction Sale of Purebred Sheep. Entries close September 16, 1987. For further information telephone 471-7210.
- November 19-21 1987 Sheep Symposium, Banff Springs Hotel.

TRADE SHOW
 at the
 1987 Alberta Sheep Symposium
 The Banff Springs Hotel

We have a beautiful room available for all types of display booths at the Symposium - space available for crafts as well as technical displays (electric fencing, sheep supplies, etc.). There will be a charge this year - \$50.00 for an 8 foot table, \$75 for 16 feet. We're not collecting money yet - just trying to find out how many are interested. To reserve a space for your display contact:

Susan Hosford
 Box 97
 Edberg, Alberta
 T0B 1J0
 Phone 877-2226

(Space is limited, to avoid disappointment, call today!)

ALBERTA SHEEP & WOOL COMMISSION
24 HOUR MARKET LINE
1-291-9884

THE MARKET LINE PROVIDES LAMB PRICES ON THE FOLLOWING MARKETS:

- LAMBCO - INNISFAIL
- NORTH CENTRAL SHEEP SALES - EDMONTON
- LAMBLAND FEEDERS - LACOMBE
- ONTARIO STOCKYARDS - TORONTO
- U.S. NORTHWEST AREA
- U.S. MOUNTAIN AREA
- U.S. NORTH CENTRAL AREA
- FORT MACLEOD AUCTION MART

Using Wheat In Sheep Rations

Dale Engstrom
Ruminant Nutritionist
Soils & Animal Nutrition Laboratory

Wheat is sometimes competitively priced in the feed grain market. When this occurs it should be considered as a suitable source of energy, protein and phosphorus for sheep rations. The following table is from Average Analysis Of Alberta Feeds, 1976-1986 and shows the nutrient content of the three major types of wheat in comparison to barley.

Table 1

Average Nutrient Composition Of Selected Grains¹

Feed Type	Number of Samples	Digestible Energy (Mcal/lb)	Bushel Weight (lb)	Moisture (%)	Protein (%)	Calcium (%)	Phosphorus (%)
Barley	2689	1.66	47.0	11.5	12.5	0.07	0.38
Spring Wheat	161	1.77	59.7	11.0	16.1	0.06	0.39
Utility Wheat	23	1.77	60.0	11.5	14.6	0.07	0.35
Fall Wheat	46	1.78	61.6	9.2	13.7	0.07	0.32

¹ Except for bushel weight, reported on moisture-free basis.

As indicated in the table, wheat is generally higher in protein and energy than barley. These are the most costly nutrients in most feeding programs and any price comparison between two or more feed grains must take these two nutrients into account. Moisture content must also be considered because these nutrients are present only in the dry matter portion of the grain.

The easiest way to determine the approximate value of wheat is to use a simple computer program. The value of a unit of energy is calculated from the price of barley, and the value of protein from a supplement such as canola meal. Table 2 was prepared with the data generated from a Basic computer program.

Table 2

Relative Value Of Wheat (\$/tonne)

Barley Price (\$/tonne)	<u>Canola Price (\$/tonne)</u>														
	\$180			\$190			\$200			\$210			\$220		
	S	U	W	S	U	W	S	U	W	S	U	W	S	U	W
50	65	59	56	65	60	55	66	60	56	67	60	57	68	60	57
60	74	69	67	75	69	67	76	70	67	77	70	67	78	71	67
70	84	79	77	85	80	78	86	80	78	87	81	78	88	81	78
80	94	90	88	95	90	88	96	91	88	97	91	89	98	91	89
90	104	100	99	105	101	99	106	101	99	107	101	99	107	102	99
100	114	110	110	115	111	110	116	111	110	116	112	110	117	112	110
110	124	121	120	125	121	120	125	122	121	126	122	121	127	122	121
120	134	131	131	134	132	131	135	132	131	136	132	131	137	133	132

S = Spring Wheat

U = Utility Wheat

W = Winter Wheat

To use this table select a barley price and go across the table until you are under the current canola price. The values in that location are an indication of what wheat is worth. For example, if barley is valued at \$70 and canola at \$200, spring wheat is worth \$86/tonne.

This system of comparison presumes that the extra protein in wheat is needed in the specific ration you are designing. This is likely true for most lamb rations but is not true for all ewe rations. Also, this system does not take into account the biological limits that are recommended when replacing barley with wheat. Only a sophisticated least cost formulation program can take all of these factors into account and come up with a true value of wheat in every possible ration. Note that the nutrient levels used to calculate Table 2 values are provincial averages and the values in the grain you are using can only be accurately determined by feed analysis.

Practical Considerations

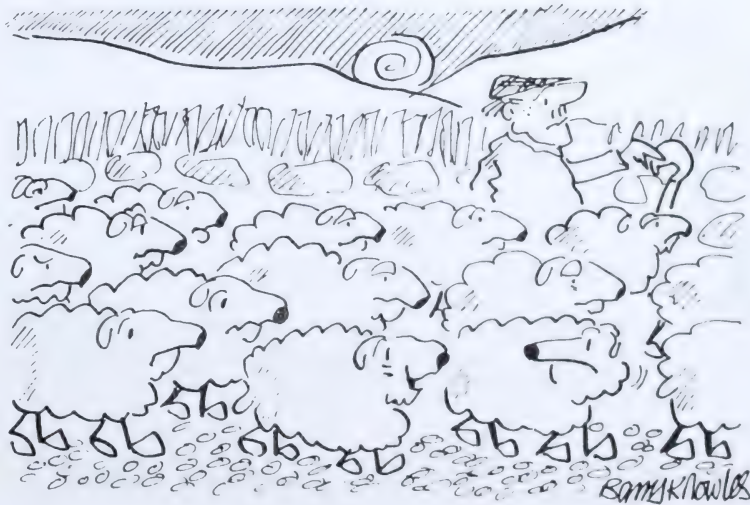
Once the decision to use wheat has been made, based on price, several other things must be considered.

1. Wheat contains 10% more energy than barley on a weight basis.
2. Wheat is about 25% heavier than the same volume of barley.
3. The result of points 1 and 2 is that wheat will provide about 38-40% more energy than an equal volume of barley. Keep this in mind when making any ration changes. Rations should be formulated on a weight basis, rather than volume, so that digestive disturbances can be avoided.
4. Mature Sheep - since adult sheep are seldom fed more than 40% of their total ration as grain, wheat can be fed as the only grain when energy supplementation is required.
5. Feeder Lambs - lambs fed wheat plus supplement (in an all concentrate diet) have performed as well as lambs fed barley plus supplement. However, limiting wheat to a maximum of about 75% of the total grain portion of the ration is recommended for most feeding situations.
6. Processing - as with barley, wheat should be fed whole rather than processed to maintain rumen health. Feed conversion rates are not improved by processing.

Wheat can be considered a viable alternative to barley only if there is an economic benefit. For example, due to the higher protein content of wheat less supplement is needed to achieve the desired protein level in the ration. Unless the supplement is in fact reduced there may not be any net economic benefit. Similarly about 10% less wheat than barley (by weight) can be fed to achieve the same level of energy intake.

The data from several lamb feeding trials utilizing wheat is available upon request.

SHEEP DROPPINGS



"I'm quite looking forward to this - it's my first visit to a knacker's yard ..."

RADLAND HILLS SHEEP GRAZING ASSOCIATION

ANNUAL FIELD DAY

HAYS, ALBERTA

July 25, 1987

10 A.M. - 7 P.M.

Pasture Tours

14,000 Head of Ewes & Lambs



Trade Fair - Drug Suppliers

- Purebred Breeders

- Feed Equipment

B B Q - 5 P.M.



Registration: Contact Jerry Reti, 223-9418 by July 20
\$5.00 fee registration



LAMBS in LACOMBE

Sept. 19, 1987

Family Sheep & Wool Fair · Commercial Ewe Sale · Craft Sale

ewe lamb sale

Sellers!

We have approximately half of the maximum 120 ewe lambs which we will be accepting for this sale already consigned. If you are planning to consign ewe lambs to this sale, contact Cathy Gallivan (2nd Floor, 7000 - 113 Street, Edmonton, Alberta T6H 5T6, phone 427-5077) right away to reserve your space and to obtain complete sale information.

Buyers!

Among the many quality ewe lambs already consigned are:

- 1/2 Finn, 1/2 Suffolks
- 1/4 Finn, 1/4 Rambouillet, 1/2 Suffolks
- 1/4 Finn, 1/4 Dorset, 1/2 Suffolks
- Commercial Suffolks

and more!

These lambs will have to meet several strict criteria to gain admittance to this sale, as well as a complete veterinary inspection.

Sale starts at 7 P.M. sharp following a delicious lamb barbeque.



LAMBS in LACOMBE

Sept. 19, 1987

Family Sheep & Wool Fair · Commercial Ewe Sale · Craft Sale

WESTERN PET FOODS STOCK DOG TRIAL

A.S.D.A. Sanctioned Trial

Judge: Mr. Peter Stockdale

The number of dogs per handler may have to be restricted as this is a one day trial. We will try to let you know ahead of time if there won't be time to run all the dogs you have entered. Trial starts at 10 A.M. sharp. All handlers to be at the judge's table on the course by 9 A.M. for judges instructions.

Mail Form By September 1, 1987 To:

Jennifer Gorham
Box 47
Winfield, Alberta
TOC 2X0

Or Phone 682-2490

Fees: \$5.00 more to non-members of the A.S.D.A. Double for late entries which will only be allowed if time permits.

.....

NAME: _____ PHONE: _____

ADDRESS: _____

NO. OF NOVICE DOGS: _____ X \$5.00 FOR A.S.D.A. MEMBERS _____

NO. OF OPEN DOGS: _____ X \$20.00 FOR A.S.D.A. MEMBERS _____

TOTAL _____

1987 ALBERTA RAM TEST STATION HAS RECORD YEAR

By: John Knapp
 Sheep Specialist
 Alberta Agriculture, Airdrie

Nearly 300 buyers and spectators were on hand June 27 at Olds College for the 13th Annual Alberta Ram Test Station Barbecue and Sale. The event, which drew buyers from across Western Canada and the U.S. saw some of the best performance tested ram lambs and yearlings in the nation offered for sale.

With the reserve bid set at \$250, all 64 of the rams on offer found buyers as record gross receipts of \$35,990 were obtained. A record average price for ram lambs of \$558 was set. Yearlings averaged a record \$594.

The top selling ram in the sale, which was from the Olds College flock sold jointly for a record \$2800 to Sudon Suffolks, of Edberg Alberta and Chester Fowler of Airdrie, Alberta. The second high priced ram in the sale which tied with the Olds College ram for top A.D.G. (.612 kg) this year, was consigned by Mr. Walt Strand of Lethbridge and sold for \$1500 to Mr. Dennis Pasichney of Red Water, Alberta. Purchases were made by buyers from Alberta, British Columbia, Saskatchewan and Montana with several outstanding rams going to out-of-province flocks.

The Alberta Sheep Breeders Trophy for the highest group average daily gain went to Bill Matejka of Ponoka, for his Suffolk entries.

A total of 164 rams from 24 contributors were entered on test this year. Below is a list of individual records established over the years:

RECORD GROWTH RATES
13 YEARS OF TESTING AT ALBERTA RAM TEST STATION

SUFFOLK	PICKARD 1985	.736 Kg/day
HAMPSHIRE	CECCATO 1983	.637 Kg/day
DORSET	FRANCIS 1984	.503 Kg/day
COLUMBIA	INGRATTA 1985	.515 Kg/day
N.C. CHEVIOT	STEPHEN 1983	.458 Kg/day
CORRIEDALE	GRAY 1983	.471 Kg/day
RAMBOUILLET	OLDS COLLEGE 1984	.519 Kg/day
POLYPAY	BALDERSON 1987	.488 Kg/day

RECORD GREASY FLEECE WEIGHT
 (2 years testing)

RAMBOUILLET	OLDS COLLEGE 1987	11.232 Kg
-------------	-------------------	-----------

Only rams above the station average for A.D.G. for their breed are considered for sale each year. A Culling Committee further rejects rams with incorrect teeth, legs, testicles, etc. from this group so that this year less than one third of the animals entered on test made its way through the screening process to the sale.

Of special note this year is the appearance in the sale of yearling rams which indexed above 100 on the Wool Test. This test measures the weight of wool sheared, the fibre diameter, the clean wool yield, and the fibre variation over a 365 day period from some of the highest indexing lambs to complete the growth rate test. An overall index based on 70% of these rams' growth rate index plus 30% of the index on the pool of wool traits was used to determine entry to the 1987 Ram Test Station Sale. The Canadian Cooperative Wool Growers trophy for the yearling with the highest overall index went to Olds College.

The following is a summary of the 1987 Ram Test Station Results:

BREED	NUMBER TESTED	A.D.G. KG/DAY	NUMBER SOLD	AVERAGE PRICE (RAM LAMBS)	HIGH PRICE
SUFFOLK	126	.508	46	\$561	\$2800
HAMPSHIRE	10	.490	5	\$470	650
DORSET	2	.368	1	\$500	500
RAMBOUILLET	16	.425	1	\$525	525
POLYPAY	7	.410	2	\$738	750
COLUMBIA	3	.372	1	\$600	600
YEARLINGS	13	----	8	\$594	775

The following is a summary of test station results since the first test season in 1975:

BREEDERS ON PROGRAM	RAMS ENTERED ON TEST	A.D.G. (SUFFOLK RAM LAMBS)	HEAD SOLD	AVERAGE PRICE (ALL RAM LAMBS)	TOP PRICE
1975 12	85	.32 Kg.	45	\$223	\$ 525
1976 7	70	.36 Kg.	43	\$231	\$ 450
1977 14	165	.36 Kg.	53	\$244	\$ 500
1978 16	155	.42 Kg.	57	\$275	\$1050
1979 17	123	.49 Kg.	52	\$331	\$ 675
1980 17	101	.48 Kg.	44	\$323	\$ 520
1981 23	102	.48 Kg.	40	\$375	\$ 775
1982 28	115	.47 Kg.	49	\$387	\$1100
1983 38	173	.514 Kg.	61	\$332	\$ 750
1984 37	*228	.550 Kg.	72	\$384	\$1500
1985 38	*202	.534 Kg.	61	\$421	\$1350
1986 28	**238	.516 Kg.	51	\$416	\$ 950
1987 24	***190	.508 Kg.	64	\$558	\$2800

*Includes entries on Wool test.

**Includes entries on Wool test and Hays Pasture test.

***Additional rams still to be entered on Wool test.

Test Station organizers wish to thank everyone involved in making the year and the sale such a success. With continued enthusiasm and support of the type evidenced this year, the 1988 season should be another good one for the Alberta Ram Test Station.

Anyone interested in obtaining more detailed information on the 1987 Alberta Ram Test Station, should contact:

Cathy Gallivan, Sheep Specialist
Alberta Agriculture,
#204, 7000 - 113 St.
Edmonton, AB, T6H 5T6
Ph: (403) 427-5077



... Whoops, sorry, Charlie ...

1987 ALBERTA RAM TEST STATION RESULTS

DORSET RAMS

OWNER	LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY
-------	------------------	------------------------	-------------	--------------	---------------	----------------------------	------------	--------------

FULTON, Gordon,
Box 1, Site 7, RR 1,
Bowden, Alberta
TOM OKO 224-3753

YDE156W	115		.401	109	3.5	3500	3/8	Bright, clean
YDE158W	116		.334	91	2.5	Cull a.d.g.		

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Final Dorset A.D.G. in 1986 test station - .445 kg.
Final Dorset A.D.G. in 1987 test station - .368 kg.

1987 ALBERTA RAM TEST STATION RESULTS

POLYPAY RAMS

LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY
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HENDERSON, John,
Box 643,
Magrath, Alberta
T0K 1J0 758-6392

8314	74	.354	86	2.5	Cull a.d.g.		
373	75	.413	101	3.5	Cull teeth		
359	76	.394	96	2.0	Cull a.d.g.		
8370	77	.446	109	3.5	\$750		Fine Semibright, clean
303	78	.488	119	3.0	\$725		Fine Bright, clean

LAWSON, Pete,
R.R. 1,
Orotocks, Alberta
T0L 1T0 938-7581

TFP 19W	152	.408	100	2.5	Cull a.d.g.		
TFP 15W	153	.369	90	1.5	Cull a.d.g.		

Final Polypay A.D.G. in 1986 test station - .366 Kg.
Final Polypay A.D.G. in 1987 test station - .410 Kg.

1987 ALBERTA RAM TEST STATION RESULTS

HAMPSHIRE RAMS

OWNER	LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY
CECCATO, V., R.R. 3, Leckville, Alberta TON OX0 746-5633	38W	65	.465	95	2.0	Cull a.d.g.	3/8	Heavy black fibre
	24W	66	.504	103	2.5	\$350	3/8	Light black fibre
	89W	67	.550	112	3.0	Cull Legs	3/8	Semibright, light blk.fibre
	87W	68	.511	104	2.5	\$475	3/8	
	73W	69	.539	110	3.5	\$475	3/8	
	12W	70	.461	94	2.5	Cull a.d.g.	3/8	
	96W	71	.448	91	2.5	Cull a.d.g.	3/8	
	1W	72	.399	81	1.5	Cull a.d.g.	3/8	
	90W	73	.519	106	4.0	\$650	3/8	

MARLER, Reg,
3301 Rge, Rd. 231,
Sherwood Park, Alberta
16A 4V2 467-3179

NBM210W 151 .499 102 1.5 \$400 3/8 Semibright, med. blk.fibre

Final Hampshire A.D.G. in 1986 test station - .478 Kg.
Final Hampshire A.D.G. in 1987 test station - .490 Kg.

1987 ALBERTA RAM TEST STATION RESULTS

COLUMBIA RAMS

OWNER	LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY
CHANDONNET, A. & W., Box 22, Egglestham, Alberta T0H 1H0 359-2660	LZJ 6W	38	.463	124	3.5	\$600		
	LZJ 11W	39	.311	84	1.5	Cull a.d.g.	3/8	Bright, clean
	LZJ 12W	40	.341	92	1.5	Cull a.d.g.		

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Final Columbia A.D.G. in 1986 test station - .443 kg.
Final Columbia A.D.G. in 1987 test station - .372 kg.

1987 ALBERTA RAM TEST STATION RESULTS

RAMBOUILLET RAMS

OWNER	LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY
JACKSON, Robert & Amy, Box 445, Midsbury, Alberta TOM OW0 335-4348	NLU100U	55	.383	90	2.5	Cull a.d.g.		
	NLU 5W	56	.417	98	4.0	Cull a.d.g.		
	NLU 30W	57	.480	113	2.0	Owner took home prior to cull		
	NLU 39W	58	.416	98	2.0	Cull a.d.g.		
	NLU 61W	59	.429	101	2.0	\$525	1/2	Bright, clean
	NLU 66W	60	.416	98	2.5	Cull a.d.g.		
	NLU 97U	61	.401	94	3.0	Cull a.d.g.		
	NLU 58W	62	.445	105	2.0	Entered on wool test		
	NLU 15W	63	.382	90	3.0	Cull a.d.g.		
	NLU 99U	64	.455	107	3.0	Cull legs		

LEIDS COLLEGE, c/o Reg Radke,
Farm Manager,
Leids, Alberta
Phone 1P0 556-8267

OCL 75W	27	.437	103	2.5	Cull legs
OCL 42W	28	.371	87	2.0	Cull a.d.g.
OCL157W	127	.457	108	3.5	Entered on wool test
OCL 70W	129	.446	105	2.0	Entered on wool test
OCL 93W	130	.467	110	3.0	Entered on wool test
OCL 71W	132	.398	94	2.5	Cull a.d.g.

Final Rambouillet A.D.G. in 1986 test station - .422 kg.
Final Rambouillet A.D.G. in 1987 test station - .425 kg.

1987 ALBERTA RAM TEST STATION RESULTS

SUFFOLK RAMS

OWNER	LAMB	STATION	A.D.G.	A.D.G.	BACK	FINAL STATUS	WOOL	WOOL
	I.D. NUMBER	EAR TAG NUMBER	(KG)	INDEX	FAT (MM)	OR SALE PRICE	GRADE	QUALITY

BARRETT, Brian & Lorraine,
R.R. 2,
Okotoks, Alberta
TOL 1T0 938-2801

	BBZ 9W	13	.528	104	3.0	\$350	3/8	Semibright, med.blk.fibr
	BBZ 2W	14	.479	94	2.5	Cull a.d.g.		
	BBZ 4W	15	.498	98	1.5	Cull a.d.g.		
	BBZ 3W	16	.496	98	2.0	Cull a.d.g.		
	BBZ 13W	101	.494	97	2.0	Cull a.d.g.		
	BBZ 8W	102	.590	116	1.5	\$500	3/8	Semibright/dark, heavy black fibre

BEVANS, Conway,
Box 1899,
Cardston, Alberta
TOK OK0 653-2806

	17W	79	.545	107	1.5	\$400	3/8	Semibright, light blk.fil
	3W	80	.590	116	4.0	\$650	3/8	Semibright, med. blk. fil
	5W	81	.505	99	4.5	Cull a.d.g.		

CADSAND, G. & L.,
Box 603,
Rimby, Alberta
TQC 2J0 843-6802

	GLC 76W	136	.600	118	3.0	\$650	3/8	Semibright, heavy blk.fib
	GLC 81W	137	.546	107	2.0	\$425	3/8	Semibright, heavy blk.fib

Final Suffolk A.D.G. in 1986 test station - .516 kg.
Final Suffolk A.D.G. in 1987 test station - .508 kg.

1987 ALBERTA RAM TEST STATION RESULTS

SUPFOLK RAMS

OWNER	LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY
JAMES, David & Laura, R.R. 1, Okotoks, Alberta TOL 1T0 938-7634	WHF 3W	103	.445	88	1.5	Cull a.d.g.		
	WHF 4W	104	.483	95	2.0	Cull a.d.g.		
	WHF 12W	105	.568	112	1.5	\$425	3/8; 1/4	Semibright, heavy blk. fib
	WHF 6W	144	.518	102	2.5	\$390	3/8	Semibright/dark, med. blk. fibre
	WHF 16W	145	.448	88	2.0	Cull a.d.g.		
	WHF 13W	146	.498	98	3.0	Cull a.d.g.		
	WHF 15W	147	.465	92	2.0	Cull a.d.g.		
	WHF 7W	148	.413	81	2.5	Cull a.d.g.		

KERSHAW, Glen & Annette
Box 342,
Didsbury, Alberta
TOM OWO 335-4983

MZB 29W	154	.444	87	4.5	Cull a.d.g.		
MZB 44W	155	.495	97	4.0	Cull a.d.g.		
MZB 43W	156	Dead - suspected hemophilus					
MZB 42W	157	.467	92	3.0	Cull a.d.g.		
MZB 27W	158	Dead - suspected hemophilus					
MZB 46W	159	.581	114	3.5	\$600	3/8	Semibright, light blk. fib
MZB 45W	160	.630	124	4.5	Cull testicles		

1987 ALBERTA RAM TEST STATION RESULTS

SUFFOLK RAMS

OWNER	LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY

COURLEY, Joanne,
RR3, Site 2, Box 12,
High River, Alberta
T0L 1B0 652-7116

	RAT 76U	2	.487	96	2.0	Cull a.d.g.		
	RAT 78U	3	.448	88	3.5	Cull a.d.g.		
	RAT 79U	17	.490	96	3.0	Cull a.d.g.		
	RAT 77U	18	.411	81	3.5	Cull a.d.g.		
	RAT 51W	99	.503	99	2.0	Cull a.d.g.		
	RAT 22W	100	.518	102	3.0	\$400	3/8	Semibright, light blk. fib.

INGRATA, Mike,
R.R. 2,
Okotoks, Alberta
T0L 1T0 938-7812

	PMI 8W	1	.511	101	3.0	Cull teeth		
	PMI 22W	9				Lambco - entered with large vaccination abscess		
	PMI 10W	10				Lambco - entered with large vaccination abscess		
	PMI 7W	11				Lambco - kidney infection		
	PMI 15W	12	.461	91	2.5	Cull a.d.g.		

1987 ALBERTA RAM TEST STATION RESULTS

SUFFOLK RAMS

OWNER	LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY
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HARLER, Reg,
53301 Rge, Rd. 231,
Sherwood Park, Alberta
T8A 4V2 467-3179

	NBM 27W	24	.439	86	2.5	Cull a.d.g.		
	NBM 29W	25	.517	102	1.0	\$325	3/8	Dark, heavy blk. fibre
	NBM 26W	26	.422	83	1.0	Cull a.d.g.		
	NBM 46W	149	.576	113	2.0	\$500	3/8	Lighte black fibre
	NBM 42W	150	.459	90	2.0	Cull a.d.g.		

MATEJKA, A.T.,
Box 819,
Fonoka, Alberta
T0C 2H0 783-2167

	HUP 34W	161	.479	94	2.5	Cull a.d.g.		
	HUP 14W	162	.530	104	3.5	\$400	3/8	Semibright, med. blk.fibr.
	HUP 23W	163	.518	102	2.5	\$325	3/8	Semibright, med. blk.fibr
	HUP 12W	164	.578	114	2.0	\$700	3/8;1/4	Semibright, med. blk.fibr
	HUP 16W	165	.562	111	2.0	\$475	3/8	Bright, light blk. fibre

1987 ALBERTA RAM TEST STATION RESULTS

SUFFOLK RAMS

OWNER	LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY
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KURE SUFFOLKS, Brian Kure,
 K.R. 1,
 Innisfail, Alberta
 T0M 1A0 728-3361

	KUR 11W	4	.436	86	1.5	Cull a.d.g.		
	KUR 37W	5	.446	88	2.5	Cull a.d.g.		
	KUR 39W	6	.440	87	2.5	Cull a.d.g.		
	KUR 27W	7	.475	94	4.0	Cull a.d.g.		
	KUR 88W	8	.570	112	2.5	\$625	3/8	Semibright, light blk.fibre
	KUR 41W	82	.601	118	3.0	\$850	3/8	Bright, light blk. fibre
	KUR 55W	83	.511	101	1.5	Cull legs		
	KUR 29W	84	.446	88	2.5	Cull a.d.g.		
	KUR 33W	85	.507	100	1.5	Cull a.d.g.		
	KUR 35W	86	.521	103	3.5	\$425	3/8	Semibright, light blk.fibre

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NADSEN, Neils & Ann,
 box 1202,
 Drumheller, Alberta
 T0J 0Y0 823-9158

	OND 40W	49	.463	91	2.5	Cull a.d.g.		
	OND 3W	50	.441	87	2.5	Cull a.d.g.		
	OND 49W	51	.476	94	3.5	Cull a.d.g.		
	OND 4W	52	.423	83	2.5	Cull a.d.g.		
	OND 23W	53	.453	89	2.5	Cull a.d.g.		
	OND 37W	54	.482	95	3.0	Cull a.d.g.		

1987 ALBERTA RAM TEST STATION RESULTS

SUFFOLK RAMS

OWNER	LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY
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PASICHNEY, Dennis,
Box 162,
Redwater, Alberta
T0A 2W0 942-4537

	MLN 89W	20	.522	103	3.0	Cull teeth, testicles		
	MLN 81W	21	.470	93	2.5	Cull a.d.g.		
	MLN 79W	22	.525	103	3.5	Cull scrotal hernia		
83	MLN197W	23	.514	101	3.5	\$325	3/8	
	MLN 9W	93	.554	109	3.0	\$575	3/8	Dark, heavy black fibre
	MLN228W	94	.569	112	2.0	\$500	3/8	Semibright, heavy blk.fib
	MLN223W	95	.449	88	2.5	Cull a.d.g.		
	MLN 90W	96	.493	97	2.5	Cull a.d.g.		
	MLN224W	97	Pulled off test			ill thriven		
	MLN 5W	98	.497	98	2.5	Cull a.d.g.		

1987 ALBERTA RAM TEST STATION RESULTS

SUFFOLK RAMS

OWNER	LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY
McRAE, R., Box 1, Site 8, Edsborough, Alberta TOM OW0 335-4240	MCV 4W	123	Pulled off test - bacterial infection	91	2.5	Cull a.d.g.	3/8	Semibright, light blk.fibr
	MCV 7W	124		71	2.0	Cull a.d.g.		
	MCV 3W	125		107	1.5	\$500		
	MCV 8W	126						

JIDS COLLEGE, c/o Reg Radke,
Farm Manager,
Eds, Alberta
TOM 1P0 556-8267

OCL 28W	19	.612	120	3.5	\$2800	3/8	Semibright, light blk.fibr
OCL 99W	29	.520	102	3.5	Owner took home	after physical	cull
OCL 95W	30	.527	104	2.5	\$500	3/8	Semibright, light blk.fibr
OCL 23W	31	.572	113	3.0	\$675	3/8	Semibright, heavy blk. fibr
OCL 38W	32	.493	97	3.0	Cull a.d.g.		
OCL 29W	33	.573	113	2.5	Owner took home	after physical	cull
OCL101W	34	.514	101	1.5	\$325	3/8;1/4	Semibright, light blk.fibr
OCL 26W	35	.521	103	3.5	\$425	3/8	Semibright, light blk.fibr
OCL 88W	36	.529	104	2.0	\$475	3/8;1/4	Dark, heavy black fibre
OCL 96W	37	.462	91	1.5	Cull a.d.g.		
OCL209W	133	.471	93	2.5	Cull a.d.g.		
OCL210W	134	.521	103	3.5	\$375	3/8	Semibright, light blk.fibr
OCL115W	135	.557	110	4.0	\$825	3/8	Semibright, light blk.fibr

1987 ALBERTA RAM TEST STATION RESULTS

SUFFOLK RAMS

OWNER	LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY
RAVEN, Mark, Box 1093, Morinville, Alberta T0G 1P0 973-6979	DRF 17W	87	.441	87	2.0	Cull a.d.g.		
	DRF 44W	88	.521	103	2.5	\$300	3/8	Semibright, med. blk.fibr
	DRF 41W	89	.472	93	2.0	Cull a.d.g.		
	DRF 33W	90	.568	112	3.0	\$325	3/8	Medium black fibre
	DRF 36W	91	.464	91	2.5	Cull a.d.g.		
	DRF 13W	92	.588	116	2.5	Cull legs		

1987 ALBERTA RAM TEST STATION RESULTS

SUPFOLK RAMS

OWNER NUMBER	LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY	Remarks	
									Lambco -	scrotal hernia
STOCKARD, Lloyd, Box 747, Hids, Alberta LHM 1FO 556-6732	SMS 10W	41								
	SMS 40W	42	.546	107	4.0	\$425	3/8	Semibright, light blk.fib		
	SMS 22W	43	.518	102	3.0	\$325	3/8	Heavy black fibre		
	SMS 11W	44	.568	112	3.5	Cull		rectal prolapse		
	SMS 23W	45	.506	100	1.0	Cull		a.d.g.		
	SMS 12W	46	.478	94	4.5	Cull		a.d.g.		
	SMS 36W	47	.528	104	3.5	\$325	3/8	Semibright, heavy blk.fib		
	SMS 6W	48	.501	99	3.0	Cull		a.d.g.		
	SMS 35W	117	.532	105	2.0	\$375	3/8	Semibright, heavy blk.fib		
	SMS 15W	118	.454	89	2.0	Cull		a.d.g.		
	SMS 26W	119	.529	104	3.0	\$400	3/8	Medium black fibre		
	SMS 30W	120	.579	114	3.0	\$500	3/8	Semibright, light blk.fibr		
SMS 21W	121	.449	88	4.5	Cull		a.d.g.			
SMS 50W	122	.592	117	2.0	\$650	3/8	Semibright, med. blk. fibr			

1987 ALBERTA RAM TEST STATION RESULTS

SUPFOLK RAMS

OWNER	LAMB I.D. NUMBER	STATION EAR TAG NUMBER	A.D.G. (KG)	A.D.G. INDEX	BACK FAT (MM)	FINAL STATUS OR SALE PRICE	WOOL GRADE	WOOL QUALITY
STRAND, Wally, SS 1-3-63, Lechbridge, Alberta T1J 4B3 327-9306	WDS 47W	106	.370	73	2.0	Cull a.d.g.		
	WDS 9W	107	.485	95	2.0	Cull a.d.g.		
	WDS 18W	108	.547	108	3.5	Cull scrotal hernia		
	WDS 11W	109	.609	120	3.0	\$750	3/8	Semibright, light blk.fibre
	WDS 38W	110	.568	112	3.0	Cull legs		
	WDS 52W	111	.375	74	3.5	Cull a.d.g.		
	WDS 14W	112	.490	96	2.5	Cull a.d.g.		
	WDS 30W	113	.489	96	2.0	Cull a.d.g.		
	WDS 41W	114	.551	108	2.5	\$550	3/8	Semibright, light blk.fibre
	WDS 66W	138	.519	102	3.0	\$450	3/8	Semibright, med. blk. fibre
	WDS 67W	139	.563	111	2.5	Cull legs		
	WDS 44W	140	.505	99	2.5	Cull a.d.g.		
	WDS 35W	141	.612	120	3.5	\$1500	3/8	Semibright, light blk.fibre
	WDS 40W	142	.505	99	2.5	Cull a.d.g.		
WDS 62W	143	.575	113	3.0	\$550	3/8	Semibright, light blk.fibre	
FANDENBRINK, Denise, R.R. 1, Blackfalds, Alberta T0N 0J0 885-5161	BEN 3W	128	.563	111	3.0	\$650	3/8	Light black fibre

SUFFOLK RAMS

365
DAY

STATION LAKTAG	LAMB TATTOO	A.D.G. INDEX	OVERALL INDEX	GREASY FLEECE WEIGHT (KG)	GREASY FLEECE WEIGHT INDEX	FINENESS SIDE	BRITCH INDEX	FIBRE DIAMETER VARIATION	BRITCH	VARIA- TION INDEX	% CLEAN WOOL YIELD	YIELD INDEX	
197	WDS 107U	104	103	6.2021	115	83	88	86	72	66	69	69.6	113
	Scrotal Circumference - 35.0 cm												
	Sale Status - Okay												
	Origin: Hays Pasture Test												
	Sale Price - \$500												
	Owner - Walt Strand, SS 1-3-63, Lethbridge T1J 4B3 (327-9306)												
199	WDS 101U	104	103	5.555	103	103	99	101	112	88	100	57.1	93
	Scrotal Circumference - 29.5 cm												
	Sale Status - Okay												
	Origin: Hays Pasture Test												
	Sale Price - \$425												
	Owner - Walt Strand, SS 1-3-63, Lethbridge T1J 4B3 (327-9306)												
203	WDS 118U	100	99	4.381	81	114	113	114	117	145	131	57.6	94
	Scrotal Circumference - 35.0 cm												
	Sale Status - Cull Overall Index												
	Origin: Hays Pasture Test												
	Owner - Walt Strand, SS 1-3-63, Lethbridge T1J 4B3 (327-9306)												

NO OVERALL INDEX AVAILABLE FOR THE FOLLOWING RAMS AS ONLY ONE RAM IN EACH BREED

STATION	LAMB	A.P.G.	OVERALL	GREASY	GREASY	FINE-	FIBRE	VARIA-	WOL	YIELD
FARTAC	TATTOO	INDEX	INDEX	FLEECE	FLEECE	NESS	DIAMETER	TION	YIELD	INDEX
				(KG)	WEIGHT	INDEX	BRITCH	INDEX		

(DORSET RAM) ORIGIN: Ram Test Station
 26 SLU 17U 100 - 5.200
 Scrotal Circumference - 36.0 cm
 Sale Status - Okay
 Owner - Tom Seaborn, Box 298, Rocky Mountain House TOM 1T0 (729-2267)
 Sale Price - \$650

(HAMPSHIRE RAM) ORIGIN: Ram Test Station
 66 SMS 7U 114 - 7.435
 Scrotal Circumference - 37.0 cm
 Sale Status - Okay
 Owner - Lloyd Pickard, Box 747, Olds TOM 1P0 (556-6732)
 Sale Price - \$700

(SUFFOLK RAM) ORIGIN: Ram Test Station
 71 SMS 25U 103 - 4.586
 Scrotal Circumference - 34.0 cm
 Sale Status - Okay
 Owner - Lloyd Pickard, Box 747, Olds TOM 1P0 (556-6732)
 Sale Price - \$475

(COLUMBIA RAM) ORIGIN: Ram Test Station
 176 GLC 174U 105 - 7.966
 Scrotal Circumference - 31.0 cm
 Sale Status - Okay
 Owner - G.A. Caddsand, Box 604, RimbeY TOC 2J0 (843-6802)
 Sale Price - \$450

(POLYPAY RAM) ORIGIN: Hays Pasture Test
 207 212U 104 - 6.338
 Scrotal Circumference - 30.0 cm
 Sale Status - Okay
 Owner - John Balderson, Box 643, Magrath TOK 1J0 (758-6392)
 Sale Price - \$775

(RAMBOUILLET RAM) ORIGIN: Hays Pasture Test
 216 OCL 296U - 8.000
 Only Rambouillet on pasture so no index. Second fastest growing ram in group of 25.
 Scrotal Circumference - 37.0 cm
 Sale Status - Okay
 Owner - Olds College, c/o Reg Radke, Farm Manager, Olds TOM 1P0 (556-8267)
 Sale Price - \$775

59.3

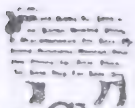
64.7

62.9

54.0

63.7

53.5



The Classifieds

FOR SALE - SHEEP

REGISTERED R.O.P. tested Suffolk ram lambs and ewe lambs. Complete breeding records. 19 years on government R.O.P. Kure's Suffolk, R R #1, Innisfail, TOM 1A0. Call Brian at 728-3744 or Gordon at 728-3361 (7)

REGISTERED SUFFOLK ram. 10 ewes. Suffolk & Finns & crosses. Brenda or Rick Colling, Didsbury, phone 335-8666 (7)

50 SUFFOLK X Dorset ewe lambs. Twins and triplets. Lambing records available. January born. Allen Leighton, Ponoka, phone 783-6902 (7)

2 YEARLING 1/2 Finn rams. Knapp bloodlines. ROP, wormed, vaccinated. Brenda Booker, Sherwood Park, phone 662-3877 (7)

1 YEAR old Suffolk ram. Olds Test Station Index 109. Fowler-Pickard breeding. Have sold ewes. Asking \$300. Floyd Dargatz, Millet, call 387-4838 or 387-4852 (7)

1 FOUR year old Hampshire purebred. Reed breeding. 2 - 3 year old Rambouillet. Olds College. 2 - 2 year old Finn X Rambouillet. Out of quad. John Grant, Jarvie, call 954-2445 (7)

ROMONOV SHEEP. Also crossbreds. Contact Charles Keeler, Calgary, 935-4585 (7)

SUFFOLK EWES. Born spring of 1986. One with lamb at foot. From small carefully managed herd. All wormed and vaccinated. Dorset lambs. Purebred registered ewes and rams born February and March. Art Wise, High River, phone 652-3117 (7)

SUFFOLK EWE and ram lambs. ROP records available. Jim & Joanne Pearson, R R #1, Bowden, phone 224-3026 (8)

ROMONOV ram lambs. Also a few Romonov cross ram lambs. May consider trading for healthy ewes or ewe lambs. Hi Lo Hills Romonov, Tom Makowecki, Box 486, St. Paul, phone 645-6913 (7)

EWE LAMBS. Grant Reum, Box 337, Ryley, phone 663-2238 (7)

1 SEVEN year old Rambouillet ram brought in from Montana. Very good condition. Call Amy-Rob Rambouilllets, Didsbury, 335-4348 (7)

RAMBOUILLET RAMS. Yearlings. ROP. From disease-free flock. Whiffletree Farm, Delburne, phone 749-2381 (7)

JANUARY 87 born colored ram. 1/4 Rambouillet, 1/4 Border Leicester and 1/2 Corriedale. Marilyn LaRose, Stettler, phone 742-5046 (7)

1 RAMBOUILLET ram. Olds College breeding. 2 years old. Walter Cowle, Box 9, Site 11, R R #1, DeWinton, TOL OXO (7)

BLACK CORRIEDALE X yearling proven ram. Mother is registered Corriedale, father black Lincoln/Dorset. Contact Diana Adams, Box 9, Site 39, R R #2, Creston, B.C., V9S 1G3 (7)

BLACK RAM lamb, one of twins. Columbia X Suffolk. Sire is registered Columbia. ROP. Born March '87. Disease-free and ready to go. \$150. Gheri Fouts, Cochrane, phone 932-6686 (8)

REGISTERED DORSET ram lambs. Patrick Lyster, Grande Prairie, phone 532-0471 (8)

FLOCK REDUCTION - After July 15. North Country Cheviot ewes & rams. Lyle Hamer, Red Water, phone 942-4184 (8)

HILL VALLEY Farm ewes. ROP indexed. Routinely vaccinated, wormed. Breeds available: Columbia/Rambouillet; Suffolk/Dorset; Suffolk; Suffolk/Clun Forest; Finn/Suffolk/Clun Forest; Dorset/Clun Forest. Contact Rod or Peg Baynton, Lloydminster, phone 875-6372 (8)

EWE LAMBS. Suffolk, Dorset, Cheviots and cross-breds. Call Pasu Farms, Carstairs, 337-2800 (8)

JANUARY BORN purebred Suffolk ram lambs. ROP tested. Reg Marler, Sherwood Park, 467-3179 (8)

ONE PUREBRED, registered Suffolk ram. Waco Valley Hy 39S, 3 year old twin, proven breeder. Harvey Steiger, Acme, phone 546-2681 (8)

3 SUFFOLK X ewes (3 yrs) - \$85 each, 1 Suffolk ewe (5 yrs) - \$65, 1 Cheviot X Dorset ewe (6 yrs) - \$65, 1 yearling Romney X Rambouillet ram - \$100, 1 April born Romney X Rambouillet X Cheviot ram lamb - \$100. John O'Brien, Winfield, phone 682-2140 (8)

FLOCK DISPERSAL. Complete flock - 40 head cross-breds. Including 12 ewe lambs, 12 ram lambs (born between Feb 20 - Mar 18/87) and 16 ewes. All shots, sheared, hoof trimmed. Trained to electric fence. Very reasonably priced for taking whole flock. Contact Lorrie Dunn, Daysland, phone 374-2116 (8)

FOR SALE - GOATS

2 REGISTERED Nubian does. Yearlings. Freshening mid-July. Routine health program. Whiffletree Farm, Gail Stewart, Delburne, phone 749-2381 (8)

REGISTERED AND grade Alpine yearling does, doe kids & one wether kid. Jackie Riley, Rise & Shine Farm, Kingman, phone 662-2377 (8)

FOR SALE - DOGS

KOMONDOR PUPPIES. Guard dogs from working parents. Ready in mid-June. Ronald Bruder, Pincher Creek, phone 627-5141 (7)

REGISTERED BORDER Collie pups. Born April 19th. Ready in June. Males & females. Lyle Hamer, Red Water, phone 942-4184 (7)

BORDER COLLIE pups. Good bloodlines. Working parents. Litter 1 female and 4 males born March 11, 1987. Vaccinated & wormed. D. Long, Sundre, call 638-2819 (7)

GREAT PYRENEES puppies expected end of June from top working dogs. Father - Ventisquero background, french import bloodlines, top showdogs in Canada. Proven equally good working dogs. Mother - Skeel-Soleil breeding, top working bloodlines from the States. A lot of her puppies are working with flocks in Alberta & B.C. Puppies are expected to be large and going fast. Our only litter this year. All pups guaranteed on hips and sound temperament. Christine & Harry Simoens, POLA Kennels, Cochrane, phone 972-5379 (7)

FOR SALE OR TRADE

REGISTERED SUFFOLK ram. Good breeder. Asking \$100 or take trades of clean barley, oats or hay. Also registered French Alpine buck kid born March 1987 from very good *M bloodline. Take your pick from twins. Asking \$200 or take trades of feed. POLA Kennels, Christine & Harry Simoens, Cochrane, phone 932-5379 (7)

PUREBRED SUFFOLK ram, 4 years old. Triplet with high ROP and sires high percentage of ewe lambs. A good strong ram and proven breeder. Will sell or trade for replacement ewe. Also purebred Angora goat wether, approx. 2 years old. Will sell or trade for good replacement ewes. Dorothy Marshall, Edberg, phone 877-2649 (7)

PUREBRED HORSES. 5 Arabian and 1/2 Arabian horses. Well broke to ride. Will sell or trade for sheep or lambs. Jack Domet, Box 517, Two Hills, call 657-2177 (8)

FOR SALE - MISCELLANEOUS

1 SHEEP turning table. Brenda Booker, Sherwood Park, phone 662-3877 (7)

6 - 1500 lb capacity sheep/hog steel self feeders.
10 - 1000 lb capacity sheep/hog wood self feeders.
3 - 300 lb capacity sheep/hog plastic self feeders.
4 - 200 lb capacity sheep/hog steel self feeders.
Plus sheep vet equipment - burdizzos, ear notching pliers, ear tag pliers, etc. Call Ron Gordon, Athabasca, 675-442 (7)

THANK YOU to Gary & Val Barger of Irma who purchased our entire Hampshire breeding flock. We still have a few top quality purebred Hampshire & Dorset rams priced to sell at \$200 each. We also have 1 sheep squeeze and tipping table \$200, 35 bushel creep feeders at \$75 each, 1 sheep scale \$250, round bale feeders starting at \$40 each plus a lot of small equipment including elastrators, tattoo set, ear tags, etc. Approximately 130 mid-size big round bales - \$20 each for tarped ones. Untarped \$8 & \$12. Package price for all \$1250 or best offer. Call Chris Grab, Box 143, Hay Lakes, 672-7350 after 5 PM (7)

137.5 ACRE sheep farm. East of Sundre. Fenced & cross fenced with page wire. Corrals, waterers, large barn, several smaller buildings. 80 acres cultivated. Balance treed pasture. 3 wells. Large family home. Possibility of assumable 9% mortgage. Darrell Smith, phone 556-8879 (7)

SUNBEAM FARM model shearing machine. Flexible shaft, motor, mount, cutters, combs, etc. (Complete outfit). Used very little - \$300. Len Friesen, Ardrossan, phone 922-2963 (8)

WANTED - SHEEP

500 OLDER sound ewes. Preferably Suffolk. Call Renee Fisher, Irricana, 935-4733 (7)

WANTED - MISCELLANEOUS

SHEEP SHEARING gear. A grinding disk for sharpening combs & cutters. A 'Sunbeam' or a 'Lister' hand piece. Also combs and cutters. Kendall Smith, Lloydminster, phone 875-4275 or 875-3908 (7)

ELECTRIC SHEARING equipment. We require a set of electric shearers and accessories in good condition and reasonably priced. We live in the Calgary area. Chris Huzzey, phone 272-9090 (8)

SERVICES

C.S.B.A FEE changes. Effective June 1, 1987. Extended pedigree - \$15.00. Registration imported animals - \$10.00. Corrected certificates - \$10.00 (7)

CUSTOM WOOLEN MILLS - Your complete processing facility. Full range of custom services, including washing of wool & other fibres, dyeing, carding, twisting, spinning, and custom sewing. Ask about our Sheep & Wool Marketing Kit. For more information, please contact Custom Woolen Mills Ltd., R R #1, Carstairs, TOM ONO, phone 337-2221 (7)

SHEARER AVAILABLE. Garth Hammond. Phone 433-7241, Edmonton (7)

ATTENTION CRAFTERS & home knitters! We would be pleased to market your handmade articles at major shows in Alberta as well as from our 3000 square foot gallery. Please contact us by phoning 337-2800 or writing to Pasu Farms, Box 656, Carstairs, TOM ONO (8)

'HIGHLIGHTS OF Research In Sheep Production In Western Canada During The Last Thirty Years' - a valuable 60 page booklet is now available free-of-charge by contacting Dr. John Vesely, Ag Canada, Research Station, Lethbridge, T1J 4B1 or calling 327-4561 (8)

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Richard C. Scoffom
President
Phone: (403) 636-2074

TO LATE TO CLASSIFY

FOR SALE: 2 & 3 year old Suffolk ewes and April born ewe lambs. Also registered Angora goats, doe and buck combinations. Registered Angora bucks, 1-3 years old. Mary or Chris Clennel, R R #5, Stony Plain, TOE 2G0, phone 963-4450 (8)



EDITOR'S NOTE

Classified Ads and Coming Events may be placed in Sheep Footnotes free-of-charge by contacting:

*Janet Smalley
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
T6H 5T6*

Ph: (403) 427-5077

*John Knapp
Sheep Specialist
Bag Service #1
Airdrie, Alberta
TOM OBO*

Ph: (403) 948-8517

The deadline for Classified Ads and Coming Events is the last day of the month prior to the month of publication.

Coming Events will be run every month from when they are placed until the event. Please Note: Events should be placed in Coming Events at least 6 weeks in advance in order to ensure their publication before they occur.

Classified Ads will run initially for two months, unless cancelled after the first month. After the first two months, ads may be renewed each month by contacting Janet Smalley at 427-5077. Ads must not exceed two column inches in length or they will be edited. Full page ads and half page ads will be run for one month. If you want your full page ad condensed into a Classified Ad for the next two months, please indicate this when you send in the ad. Sheep Footnotes reserves the right to restrict the length, content and run of any Classified Ad.

EDITORS OF OTHER PUBLICATIONS

Material in Sheep Footnotes may be reprinted in other publications, but source must be stated and content of articles may not be changed without authors' permission.





UNIVERSITY OF ALBERTA
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sheep footnotes



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Editor: Cathy Gallivan
Sheep & Goat Specialist
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Edmonton, Alberta
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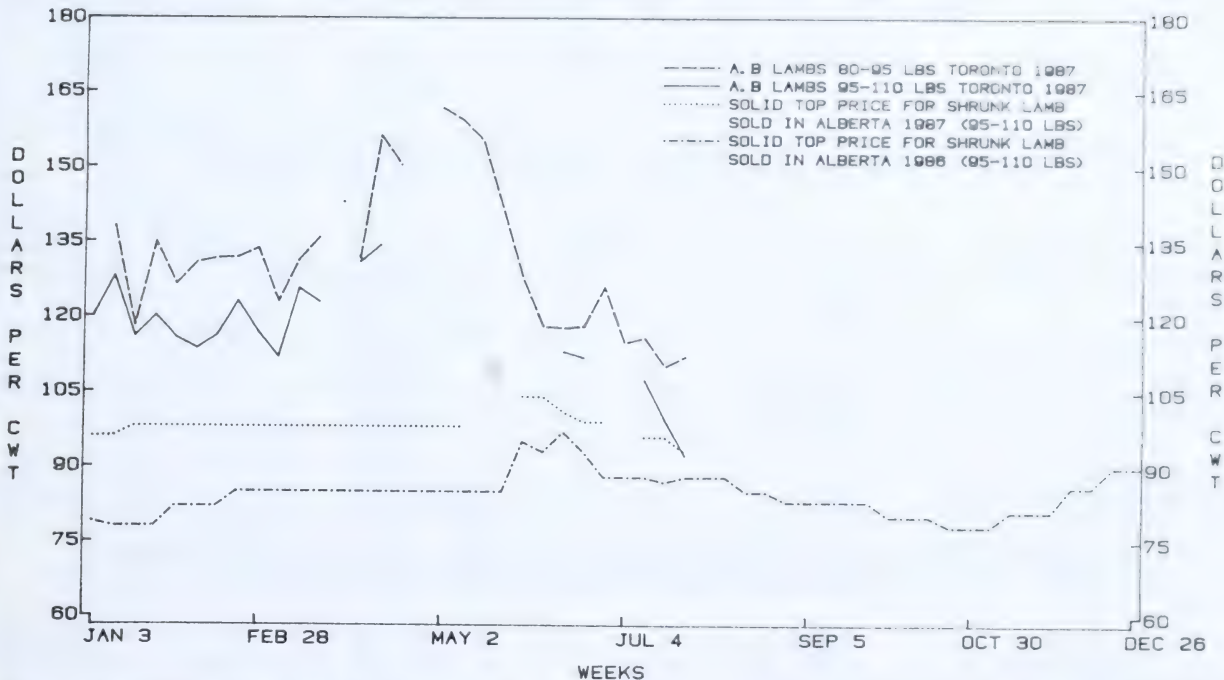
Alberta
AGRICULTURE

Animal Industry Division
Beef and Sheep Branch



MARKET REPORT

WEEKLY AVERAGE SLAUGHTER LAMB PRICES



NOTE: NO OR INSUFFICIENT SALES FOR CERTAIN WEEKS IN TORONTO

Alberta market lambs traded lower through July on heavier deliveries. Good lambs weighing 95-110 lb moved down \$6 per cwt from June price levels. With these losses prices were still a solid \$5 per cwt over year ago levels. Slaughter volumes in both Alberta and Toronto markets are below year ago levels. Market lamb prices should continue to experience downward pressure this summer as supplies increase.

Feeder lamb sales during July reported good buyer interest particularly for the lighter weight lambs. Lambs weighing between 60 and 80 lb brought some of the best prices. The mid-July sale at Edmonton Public Stockyards reported that about 400 head of average quality sheep and lambs were sold. Feeder lambs weighing between 70 and 85 lb sold from \$93.00 to \$105.50 per cwt. The Camrose monthly sheep and goat sale at the end of July reported a light offering of sheep and lambs. Light feeder lambs sold at steady to slightly stronger prices than those reported at the Edmonton sale. Outlook for the feeder lamb market is steady to firm.

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT LAMBCO

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON						
JULY 1987	96.00-99.00	93.00-96.00	93.00-96.00	90.00-93.00	-	93.00-96.00
LAST MON						
JUNE 1987	101.00-104.00	101.00-104.00	101.00-104.00	98.00-101.00	96.00-99.00	99.40-102.40
YR AGO MON						
JULY 1986	85.00-88.00	85.00-88.00	85.00-88.00	85.00-88.00	-	85.00-88.00
VOLUMES						
JULY 1987	1,077	1,480	1,324	1,421	-	5,302
JULY 1986	1,274	1,267	1,510	1,480	-	5,531

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT TORONTO PUBLIC STOCKYARDS
(With Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	NEP	100.00-114.00	92.00-101.00	91.00-98.00	-	100.56
JULY 1987		(107.40)	(99.52)	(92.32)	-	
LAST MON	120.00-130.00	NEP	100.00-118.00	106.00-116.00	NEP	119.19
JULY 1987	(125.20)		(113.00)	(111.80)		
YR AGO MON	95.00-110.00	95.00-106.00	94.00-105.00	88.00-99.00	-	98.66
JULY 1986	(101.08)	(100.42)	(95.44)	(95.34)	-	
JULY/87 VOLUMES	-	42	24	32	-	98
AVERAGE WEIGHT	- lb	98.8 lb	100.6 lb	101.7 lb	- lb	100.4 lb

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 80-95 LBS TORONTO PUBLIC STOCKYARDS
(Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	107.00-120.00	108.00-120.00	105.00-113.00	105.00-120.00	-	113.61
JULY 1987	(114.81)	(115.83)	(110.14)	(112.12)	-	
LAST MON	123.00-142.00	111.00-122.00	110.00-120.00	112.00-124.00	122.00-135.00	121.29
JUNE 1987	(127.67)	(118.00)	(117.72)	(118.10)	(125.90)	
YR AGO MON	103.00-125.00	96.00-106.00	90.00-111.00	95.00-112.00	-	103.88
JULY 1986	(115.33)	(101.08)	(99.74)	(105.49)	-	
JULY/87 VOLUMES	124	178	131	69	-	502
AVERAGE WEIGHT	86.9 lb	84.6 lb	85.7 lb	84.3 lb	- lb	85.4 lb

Prices quoted for 95-110 lb lambs are bid prices at Lambco and auction prices at Toronto Public Stockyards for good quality lambs. The lower end of the Alberta price range reflects bids for short haul or unshrunk lambs while the upper end of the range represents bids for long haul or shrunk lambs. Producers delivering to the Toronto Public Stockyards pay commission and yardage fees for each animal sold. Producers delivering to Lambco pay \$1/head checkoff to the Alberta Sheep and Wool Commission.

The Toronto auction price is from the Special Sheep and Lamb Sale held on Monday each week.

N.E.P. - No established price

Marilyn Johnson, Market Analyst
Market Analysis Branch
Phone: (403) 427-4002
JULY 29, 1987

MARKET

**** REPRESENTATIVE LIVE SALES ****
JULY 2, 1987

AREA	TYPE OF SHEEP	TYPE OF SALE	NUMBER	WEIGHT	WEIGHING CONDITIONS	PRICE (\$/cwt)
NORTHWEST						
Oregon	Mixed	Pool	850	90-120	20% feeders, woolled, variable shrink	80.00
SOUTHWEST						
California	Spring	Auction	100	100-130	Choice & prime, woolled & shorn	78.00- 82.70
California	Feeder	Auction	300	70-100	Choice & fancy, woolled & shorn	78.00- 80.00
California	Feeder	Auction	200	60- 90	Good & choice, woolled & shorn	71.00- 76.00
California	Stock Ewe	Direct	200		Yearlings, shorn (per hd.)	110.00
MOUNTAIN						
Montana	Spring	Auction	250	100-120	Choice & prime, woolled	74.50- 77.50
Colorado	Mixed	Direct	13,000	90-105	Sept.del., woolled, delivered	82.50
New Mexico	Feeder	Direct	6,000	80- 90	Oct.del., \$5-7 premium for ewe lambs	83.00- 85.00
New Mexico	Feeder	Direct	2,000	70- 80	Aug.del., 82 lb.wt.stop, FOB overnight	78.00
Montana	Feeder	Auction	1,000	70-100	Choice & fancy, woolled	80.00- 85.25
Wyoming	Feeder	Direct	3,000	70- 80	Oct. del., woolled, FOB overnight stand	85.00- 86.00
Montana	Stock Ewe	Auction	400	110-160	Solid to broken mouth	27.00- 45.00
Montana	Stock Ewe	Auction	130		Yearling to 5 yr.old, blackface (per hd.)	100.00-120.00
SOUTH CENTRAL						
Texas	Feeder	Direct	3,000	70- 75	Choice & fancy, woolled	90.00
Texas	Feeder	Direct	15,000	70- 75	Sept.del., 75 lb.wt.break, FOB overnight	85.00
Kansas	Feeder	Auction	300	65- 85	Choice & fancy, woolled	74.00- 83.00
NORTH CENTRAL						
Nebraska	Feedlot	Direct	400	130-140	Choice & prime, woolled, FOB 4% shrink	80.00
Missouri	Spring	Auction	400	100-130	Choice & prime, woolled	71.00- 76.00
Minnesota	Spring	Computer	395	110-125	130 lb.wt.break, \$2 buck disc., 3% shrink	79.00
Minnesota	Spring	Auction	600	100-130	Choice & prime, woolled & shorn	71.00- 72.00
N. Dakota	Spring	Computer	406	110-125	130 lb.wt.break, \$2 buck disc., 3% shrink	77.25
S. Dakota	Spring	Auction	1,000	100-130	Choice & prime, woolled	73.00- 77.00
Iowa-S.Minn	Spring	Direct	1,500	100-125	Choice & prime, \$2 buck disc., FOB 4%	70.00- 74.00
Iowa	Spring	Direct	400	110-130	130 lb.wt.break, \$2 buck disc., 3% shrink	76.25
S. Dakota	Feeder	Auction	500	70- 90	Choice & fancy, woolled	82.00- 90.00
Minnesota	Feeder	Auction	150	60- 80	Choice & fancy, woolled	80.00- 85.00
Missouri	Feeder	Auction	700	65- 85	Choice & fancy, woolled	74.00- 80.00
EASTERN						
Ohio	Spring	Auction	1,000	100-130	Choice & prime, woolled & shorn	66.00- 72.00
Ohio	Feeder	Auction	250	80-100	Choice & fancy, woolled	75.00- 75.75
Ohio	Sl. Ewe	Auction	150		Utility & good	20.00- 30.00

AUSTRALIAN WOOL CORPORATION QUOTATIONS

MARKET INDICATOR	1987		WEEK	WEEK	% CHANGE	1987		WEEK	WEEK	% CHANGE
	FLOOR PRICE	ENDING	ENDING	ENDING		FLOOR PRICE	ENDING	ENDING		
	(AUSTRALIAN CFNTS PER KILO)		(AUSTRALIAN CFNTS PER KILO)			(AUSTRALIAN CFNTS PER KILO)		(AUSTRALIAN CFNTS PER KILO)		
19 MICRON	508	755	551	551	+37	25 MICRON	463	569	480	+19
20 MICRON	768	1154	1082	1082	+ 7	26 MICRON	418	559	427	+31
21 MICRON	666	1079	693	693	+55	27 MICRON	385	555	423	+31
22 MICRON	612	947	653	653	+45	28 MICRON	362	552	424	+30
23 MICRON	571	838	622	622	+35	30 MICRON	351	546	420	+30
24 MICRON	518	723	582	582	+24	MERINO CARDING	353	633	397	+59
	493	616	508	508	+21	CROSSBRED CARDING	299	493	354	+39

Source: Australian Wool Corp.

AUSTRALIAN WOOL CORPORATION
OFFERING PRICE, SPOT DELIVERY
DUTY PAID 6/26/87

TYPE	MICRON	U.S. GRADE	CLEAN PRICE
60	19	80's	474
61	20	70's	431
62	21	64/70's	376
63	22	64's	334
64	23	62's	291
64A	24	60/62's	246
433	25	58's	225
433A	26	56/58's	223
434	27	56's	221
434A	28	54's	217
435	29	50/54's	214
435	30	50's	214

Source: Australian Wool Corp.

DOMESTIC WOOL QUOTATIONS

(CENTS PER POUND)		WEEK ENDING		% CHANGE
GRADE	MICRON	06/26/87	06/27/86	
GRADED TERRITORY WOOL				
64's	20.60-22.04	260-280	190-210	+35
62's	22.05-23.49	220-240	175-190	+26
60's	23.50-24.94	190-220	160-170	+21
58's	24.95-26.39	175-190	140-155	+24
56's	26.40-27.84	155-170	135-145	+16
54's	27.85-29.29	140-150	130-135	+ 9
GRADED FLEECE WOOL				
54's	27.85-29.29	130-140	125-130	+ 6
TEXAS ORIGINAL BAG WOOL				
64's	20.60-22.04	270-300	190-210	+42

Source: USDA



1987

August 15 & 16

Sixth Annual West Coast Sheepdog Trial, Courtenay, B.C. Judge - Michael Williams. Prize Money - \$1,200. Entries to North Island Border Collie Club, c/o Carter/Macpherson, R R #4, Headquarters Road, Courtenay, B.C., V9N 7J3, phone (604) 338-7267.

August 20

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

August 29

'Wildrose' Invitational Seedstock Sheep Sale. Olds College New Arena Facility. Contact Barry Wilson, Olds College, 556-8265 or 556-6498.

August 29

Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.

September 5

7th Annual Registered Ram & Ewe and Commercial Ewe Lamb Sale at 1:00 P.M. Patterson's Auction Mart Ltd., Dawson Creek, B.C. For more information contact Alex Fraser, Progress, B.C., VOC 2E0, phone (604) 843-7430.

September 19

Lambs In Lacombe. Family Sheep and Wool Fair. Commercial Ewe Sale. Craft Sale and much much more.

- September 26 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- October 1 North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.
- October 15 North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.
- October 29 North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.
- October 31 Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.
- November 5 Farmfair '87 Purebred Sheep Show and Pens of Three Ewe Lambs class. Entries close September 16, 1987. For further information telephone 471-7210.
- November 6 Farmfair '87 Junior Sheep Show. Entries close September 16, 1987. For further information telephone 471-7210.

November 7

Farmfair '87 Auction Sale of Purebred Sheep. Entries close September 16, 1987. For further information telephone 471-7210.

November 19-21

1987 Sheep Symposium, Banff Springs Hotel. All subscribers of Sheep Footnotes will be receiving a copy of the program of the Symposium in the near future.

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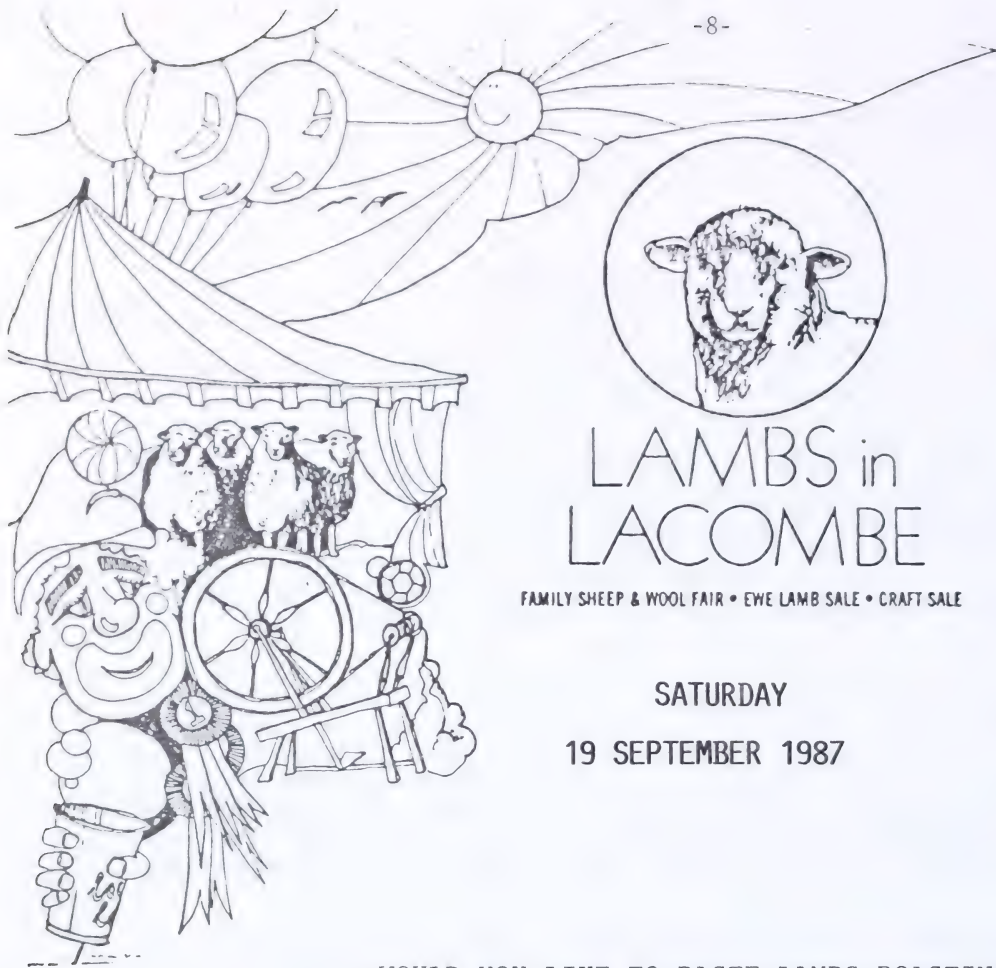
On August 1st, I will be leaving the sheep industry to become Regional Director with Alberta Agriculture in the Peace Region. When I look back over the past six years, I recall some real highlights: the emergence of strong leadership from within the industry (the Alberta Sheep & Wool Commission, the Alberta Sheep Breeders Association); the implementation of an income stabilization plan; the improved awareness and management of some devastating diseases such as brucella ovis, footrot and O.P.P.; a clearer understanding of production levels necessary to make money in the sheep business; a growing acceptance of the test station and home test programs; community pasture development; and the continued success of the sheep technician program.

Beyond any shadow of a doubt however, the greatest highlight has been the rewarding association, stimulation and friendship of the many fine individuals whose paths have crossed my own. Many of them were just entering the industry six years ago. Watching them mature into competent producers, sound decision makers and good businessmen has been rewarding indeed. The durability and tenacity they displayed during some lean years is now being repaid in full. I leave the closeness of their association with genuine sadness.

As I move on to a new challenge my only regret is that I can't be more a part of the excitement and growth that lies ahead for the sheep industry.

Thanks for six wonderful years! I hope our paths may cross again someday!

John Knapp
Sheep Specialist
Alberta Agriculture
Airdrie
July 31, 1987



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BEHAVIOR OF SHEEP ON SUMMER RANGE

John Knapp
Sheep Specialist
Alberta Agriculture

The intent of this paper is to review the literature on the behavior of sheep on summer range. Wherever the literature is incomplete, unavailable, or considered invalid, the author's own comments are included. This version (July 1987) is a revision of a paper originally done as a student at the University of Alberta (1977).

I. CONTROL OF BEHAVIOR

"The sheep became..... a mere cog in the machinery of the most paternalistic form of government in the world, which is a flock of sheep with sheepherders for a dictator." (Kupper 1945) According to his natural bent therefore, the herder may dictate to a greater or lesser degree the behavior of his flock. Exercise of the former is generally referred to in the literature as 'close herding' or 'bunched-up' herding, (Sampson 1952; Doran 1943; Talbot 1936; Wilcox 1903). Doran describes close herding as a system where sheep "are closely herded in a compact group where the leaders graze the choice forage, leaving the inferior and poisonous species for the laggards at the rear of the band."

'Open herding' on the other hand, minimizes control of the sheep's grazing behavior so that the flock spreads out over a much larger area, where each animal has a better chance at grazing the choice forage. The use of dogs is limited, "allowing the animals to move about with minimum guidance". (Sampson 1952)

There appears to be unanimous agreement in the literature (Kupper 1945; Doran 1943; Sampson 1952; Wilcox 1903; Talbot 1936) that open herding is the much superior method of control. Specifically, Doran (1943) noted that close-herded ewes were forced to spend one hour extra travelling each day, which required an extra hour's resting time, for a net of two hours less grazing time than open herded flocks. Wilcox (1903) observed that under close herding "The grass is trampled down, the roots injured, and the ground dug up so that erosion is much more rapid and disastrous." Also, Doran noted close herded flocks spent 4.55% of their time grazing poisonous species as opposed to 1.41% for open herded flocks. This resulted in five times as great a death loss from poisoning under the close herding system.

Perhaps most significantly, Sampson (1952) cites studies which discussed superior average daily gain and weight of wool clip from open herded flocks, showing convincingly "the importance of open herding of sheep on unfenced range."

My own observations confirm the superiority of open herding. It has been particularly evident to me when ewes are first turned out to range after wintering in a feedlot. A large proportion of the ewes are footsore for several weeks and tend to lag behind the rest of the flock. It is a pathetic sight to observe such ewes bravely searching through the dust, urine and defecation of their flockmates for what little fresh forage remains, under close herding. It is an even more pathetic sight to observe the milk go off these ewes and their lambs grow lean, dry-coated and gaunt-looking. Little wonder the ewes are of "a dolorous countenance" and the "shepherders seldom laugh". (Kupper 1945)

There is another reason, I believe, why sheep perform better under open herding - it goes against their grain to be forced to graze too close to their flockmates. Spedding (1970) observing unherded sheep, noted "In more than 90% of the flocks considered, the mean distance between one sheep and the others in the flock was between 15 and 30 yards." Assume therefore that a summer range flock consists of 800 ewes and 1200 lambs for a total of 2000 sheep. Assume also that these sheep graze in a perfect square (actually they tend to graze in a half-moon shape). My calculation of the area they would occupy according to their natural behavior pattern is as follows:

1. 2000 sheep in a perfect square would graze $2000 = 45$ across and 45 deep.
2. At 15 yards between sheep the square would be $(44)(15) = 660$ yards across and 660 yards deep.
3. $660 \text{ yards} = 660/1760 = .375$ mile
4. area covered according to natural behavior is $(.375)^2 = .141$ square mile = $(640)(.141) = 90$ acres.

The flock of 2000 sheep therefore would prefer to cover an area of no less than 90 acres. (In actual practice the area covered in a nursing flock would be smaller than this because lambs spend a large percentage of their time very close to their mothers or in densely packed play groups.) Without having made the actual measurements, I would estimate that many close-herded flocks I have observed are covering an area of no more than 10 acres. The animals are thus being forced into a proximity to their neighbors which is 9 times greater than their instinct would have it. Clearly, such gross behavioral modification creates stress enough to "cast a pall over any gathering". (Kupper 1945)

It is interesting to note that when sheep are turned loose without a herder they undergo no significant behavioural change (Bowns 1971; Strasia et al 1970). Bowns, for example, noted that unherded sheep generally remained together as a flock and occupied the same bedgrounds which formerly herded sheep had used. Strasia et al noted "the unherded sheep behaved in much the same manner as the herded sheep" and "the average diet of the sheep on the two allotments was very similar". Perhaps most significant is the fact that when well (open) herded sheep were compared to unherded sheep "There was no significant difference in the weight gains of lambs or ewes due to management".

Jones and Paddock (1966) however, observed slight behavioral changes when sheep were turned loose. But as both Hafez (1969) and Jones and Paddock observe this may be largely a function of breed differences with the more gregarious Merino ewes showing no behavioral change whatever, and the less gregarious Columbias tending to split up more when turned loose. Probably therefore, it is reasonable to conclude, as does Hafez (1969) that "farmers and shepherds throughout the ages [who have practised open herding] have generally made use of the natural social behavior of domestic animals and have not departed from it to any large extent."

II. FLOCKING BEHAVIOR

"The be-all and end-all of a healthy sheep's existence is the necessity to be part of a flock. Everything he does and everything that happens to him springs from it. In all the literary allusions to the gentle sheep, the individual has rarely been a hero." (Kupper 1945)

This well known gregarious behavior of the sheep is documented in literature from all parts of the world. (Towne & Wentworth 1946; Grubb 1974; Kupper 1945; Hafez et al 1969; Jones and Paddock 1966; Bowns 1971; Bond et al 1967).

Two points are of interest in regard to this flocking behavior. Firstly the degree of such behavior exhibited tends to be largely a function of breed. Hafez (1969) noted Merinos to be more gregarious than Dorset Horns. Jones and Paddock (1966) suggest Columbias are less inclined to stay together. Grubb and Jewell (1974) observed that feral domestic Soay sheep remained in small groups with home ranges of 1/3 to 2/3 mile in length. Hunter (1964) observed British hill sheep to be distributed in very small subgroups, with home ranges of not more than 120 acres.

My own experiences with sheep in Britain and North America lead me to conclude that the following rule of thumb is valid: the more Spanish (Merino) blood, the greater the degree of flocking behavior exhibited; the more British hill blood (Scottish Blackface, Welsh-Mountain, Cheviot) the less the flocking behavior exhibited. Thus, Merinos, Corriedales and Rambouillets are highly social in their behavior, Columbias, Dorset and British Down breeds (Suffolk, Hampshire, etc.) are intermediate, and the Cheviot prefers to be a loner. Cheviots present special problems in range flocks for they invariably occupy the periphery of the flock and seem determined to steal away with their own little subgroup to some other area of the grazing grounds. This calls for a greater use of dogs than is good for the flock as a whole and considerably more worry and exasperation for the herder. For this reason, many range herders, (myself included) refuse to accept full-blood Cheviots into their flock.

The second point of interest is that domestic flocks are probably artificially large flocks (Hafez et al 1969). As Hafez et al point out, the result is that "its members are constantly being separated from their relatives. The small naturally formed flock is a silent one, contrasting greatly with the continual baaing in large commercial flocks." Thus, the domestic flock is probably less organized and more noisy than its feral counterpart.

Perhaps the most noteworthy aspect of flocking behavior is that not only do sheep stay together, they also tend to imitate each other in behavior. Thus, what one sheep does the rest proceed to do. Gilfillan (1957) indicates the sometimes exasperating consequences of such behavior with the following anecdote: "A small boy was asked by his teacher how many, out of five sheep in a field, would be left if one jumped over the fence. He answered correctly, 'None'."

III. RESPONSE TO DANGER

"If a coyote or mountain lion, approaching from leeward, sneaks up on the flank or rear of the band, the terror of the few who see or smell him communicates itself with the speed of light waves to the whole band." (Towne and Wentworth 1946). Actually, the speed of communication is that of sound, for sheep have a universal alarm signal which is a loud sneeze or snort. This is confirmed by both Hafez et al (1969) and Gilfillan (1957).

Town and Wentworth proceed to give an excellent description of the behavior which follows an alarm. "When threatened by beasts or thwarted by man, sheep turn in a solid mass, milling round and round in a shrinking circle." What I have observed in addition, and what appears nowhere in the literature, is that during this process of milling around in a shrinking circle, there is a great struggle for position, with the larger stronger ewes gradually working their way into the centre of the flock and the weaker ones being forced to the outside. Given the compactness and momentum of this whirling mass, it would be quite impossible for a coyote to penetrate to the centre of the flock without being trampled to death. Thus, in general, the weaker animals at the edge of the flock would fall prey to predators, and the stronger animals in the centre would be preserved.

In this sense, sheep, who "are incapable of self protection" (Kupper 1945) would appear to be the opposite of Muskox. Presumably, natural selection through the ages has evolved an animal which seeks protection inside the circle of its weaker fellows, the maxim being that the individual is expendable for the safety of the flock, and the weak for the preservation of the strong.

IV. DAILY ACTIVITY

There appears to be general agreement that sheep generally leave the bedground at sunrise (Gilfillan 1957; Bowns 1971; Squires 1971; Spedding 1970). It is interesting to note however, that both Squires and Bowns observed that later in the year, when ewes were in better condition, that they tended to remain on the bedground for as long as one hour after sunrise.

Estimates of the time spent at various activities during the day are extremely variable. Doren (1943), observing a 14 1/2 hour grazing day noted ewes spent about 6 3/4 hours feeding, 1 3/4 hours travelling, 5 1/2 hours resting and idling, with the remainder devoted to miscellaneous activities. He cites the observations of Cory (1927) which concur with his almost exactly. Spedding, on the other hand, suggests an average of 9 hours grazing with 95 - 100% of this occurring during daylight in the summer. Squires (1971) observed ewes to spend between 5 3/4 and 7 3/4 hours idling per day.

The idling period appeared to be longest in early summer. This would concur with Bowns observations (1971) of generally increased length of time devoted to grazing as the year progressed.

Powell (1968) observed that windspeed had little effect on the distances travelled. Hafez et al (1969) suggest a distance travelled may vary from 1 - 8 miles. Spedding (1970), citing the work of Hughes and Reid (1952) suggests a probably more reasonable distance of 1/2 - 1 3/4 miles. It is interesting to note that Powell (1968) also observed there was no difference in distance travelled during dry or wet weather. This conflicts with the observations of Towne and Wentworth (1946) who claim "They will not feed or travel during a hard rain" - hence the sheepman's axiom that "long rains make short fleeces". My own observations concur entirely with those of Towne and Wentworth.

As to time spent drinking, both Doran (1943) and Cory (1927) [cited by Doran] observed that not more than one minute per day was devoted to this activity.

In terms of intake, Hultz and Hill (1931) suggest an average of 1/2 - 1 1/2 gallons/day. This is confirmed by Hofez (1969) and Kamlade (1947). Both Towne and Wentworth (1946) and NRC (1975) note sheep may obtain this water from eating snow. Daws and Squires (1974) noted that intake was positively correlated to temperature. Merinos, for example increased consumption by about 200 c.c./head per 1°C increase in temperature. They also noted that as minimum overnight temperatures rose, sheep tended to drink earlier in the morning.

It is interesting to note that sheep are remarkable for their ability to go without water, the morning dews or general succulence of their forage providing sufficient moisture. This is confirmed by Doran (1943), Barnes (1913), Hultz and Hill (1931), Kamlade (1947) and Wilcox (1903). Barnes, for example, notes "I have known bands of ewes to go for 10 days without water, and when they did reach it they drank very little." Wilcox cites examples of sheep going for over 60 days without water. As Kamlade points out, the chief cause of this behavioral characteristic may be that "sheep sweat to only a very limited degree."

As to salting, Doran (1943) and Cory (1927) [cited by Doran] observed an average of 2 - 3 minutes salting per ewe/day, with odd individuals spending as long as 10 minutes. Jones and Paddock (1966) and Bowns (1971) observed that sheep preferred to salt in the morning, and Bowns noted that sheep were more salt-hungry after feeding on wet forage. Sampson (1952) confirms the latter observation by suggesting that sheep eat less salt when on dry forage.

In terms of intake, an average of 1/4 - 2/3 pounds/month is suggested according to conditions (Sampson 1952, Stoddart and Smith 1955, NRC 1975).

Interestingly, Stoddart and Smith (1955) cite studies which have disproved the generally held belief that "sheep desire water after salt". They suggest the animals may "take salt and leave without drinking when the two are in the same location." This accords with my own frequent observation of sheep salting for over 5 minutes and then lying down contentedly to ruminate, without going near water. Probably, therefore, salt has less of an immediate influence on thirst than is generally supposed.

In terms of shading up, Gilfillan (1957) suggests during summer animals shade up from 11 a.m. to 3 - 4 p.m. Kupper (1945) confirms this. Where dense aspen stands exist, I have observed that sheep retire into the darker, cooler regions and lie down uniformly as a flock for 3 - 4 hours. In more broken country however, where single large trees break up the landscape, I have observed ewes collect themselves like the spokes of a wagon wheel around such shade-givers, with all heads towards the centre and held low. In a range flock one might thus observe 30 - 40 of these large 'sheep wheels' during the heat of the day.

Where no shade exists, Gilfillan (1957) reports the sheep "huddle together in large groups, usually with their heads beneath one another's sides.... where there is protection..... from the mosquitoes and flies." In regard to flies, Spedding (1970) claims "Sheep do not gad, rush wildly about like cattle." This is quite incorrect. I have frequently observed ewes in fly season to rush wildly forward, violently snorting and shaking their head. Normally, such hysterical rushing forward would bolt the entire flock, but during fly season other ewes scarcely lift their head at such occurrences. Clearly, during fly season, such behavior on the part of a ewe indicates to her flockmates that she is, in fact, merely gadding.

Other aspects of daily behavior as noted by Hafez et al (1969) are as follows:

	<u>Av. Values/Day</u>
Consumption of fresh herbage (g) - ewes	1300-5000
- lambs	1700-1900
Dry matter consumption (g) - ewes	520-1300
- lambs	480- 830
No. rumination periods	15
Total rumination time (hr)	8 - 10
No. chews rumination/day	39,000
Rate of chews/minute	91
Duration of a rumination period (min.)	1 - 120
No. boli regurgitated	500
No. chews/bolus	78
Eliminations - no. urinations	9 - 13
- no. defecations	6 - 8

V. BEDDING BEHAVIOR

Spedding (1970) and Gilfillan (1957) suggest bedding time is closely related to sunset. Bowns (1971) however, observed sheep to return to the bedground as much as 2 1/2 hours early. My own observation is that when sheep are allowed to enter the bedground at will there tends to be about one hour's difference between entry of the first and last animals. Probably, those who entered earlier had satisfied their hunger in an hour's less grazing time than their flockmates. Thus, while bedding behavior may be strongly correlated to time of sunset, other factors, such as rumen-fill may have some bearing on it.

Bowns (1971) Hafez et al (1969) and Towne & Wentworth (1946) note that sheep always prefer to bed on high ground such as a hilltop and Towne & Wentworth suggest such camping behavior provides them with a better vantage point to watch for predators.

Although there is no reference to them in the literature, I believe there are two further reasons why sheep prefer to bed on high ground. Firstly, the high ground offers a much better physical escape route in the advent of predators. A ewe in a hollow for example, would be easy prey, since even a man can outstrip her in an uphill race. A ewe on a hilltop is another matter. With a body mass 3 times that of any coyote she represents a fair amount of potential energy. When frightened she invariably goes into a stiff-legged gait and bounds down hill at high speed. I have observed many brave sheep dogs run over and painfully trampled by such juggernauts and no doubt the same fate would await the wily but light-weight coyote.

Secondly, I believe the sheep prefers the hilltop for climatic reasons. I have often noted, as I walked downhill at night, that I was descending into an increasingly colder and damper air mass. Clearly, the cold damp air was rolling downhill and displacing the warmer drier air. Thus, the microclimate of the hilltop at night offers sheep a warmer, drier, more comfortable bedground.

Towne & Wentworth (1946) provide the most accurate description of general night behavior: "Sheep at bedding time are watchful. For them the brow of a rising hill is preferred, the band facing outward toward the longest view. Never will they all lie down at once. Always a few remain standing or keep watch, and when these have completed their "shift" and laid down, others take their places; for the band is ever vigilant against danger, be it storm or predator".

One final point in regard to bedding is worth noting; the stronger ewes generally occupy the centre of the bedground with the weaker ewes on the outside. Clearly, this is preparation in advance for attack by predators, since the safest spot must surely be the centre of the flock. Again we see at work the maxim that the weak are expendable for the safety of the strong and of the flock as a whole.

VI. GRAZING PREFERENCES

Bedell (1968) Sampson (1952) Strasia et al (1970) Hafez et al (1969) and Bowns (1971) all note preferences of sheep for certain species of plants. While such preferences are obviously a function of habitat, certain generalizations may be drawn from them.

Sheep prefer forbs to grass (Stoddard; Bedell) and are more fond of browse than cattle (Stoddard). Sheep tend to eat more forbs earlier in the season, and to be more selective in their choice of grasses than their choice of forbs (Strasia et al). Ewes generally consume more grass and weeds and less browse than lambs (Doran 1954).

Hafez et al note that sheep, unlike cattle, have cleft upper lips which permits closer grazing, and that sheep do not grasp a clump of grass with their tongues as do cattle, but rather clip it directly which permits more selective grazing. They also note that lambs will begin to suck at a blade of grass at 2 days of age, but will not actually eat the grass until about 2 weeks of age.

Sheep prefer to graze into the wind (Gilfillan 1957, Taylor 1976, Towne & Wentworth 1946). Also, they will not graze into the face of the sun, nor graze during a heavy rain. (Towne & Wentworth). Sheep reject plants contaminated with the odour of urine and feces, but adopt over time to excretion on highly contaminated pastures (Hafez et al).

Finally, though I can find no reference to it in the literature, I have often observed that sheep appear to orientate themselves in an uphill manner while grazing.

VII. LEADERS

"In a naturally formed flock the oldest ewes lead, followed immediately by their young lambs. Each is followed closely by her descendants of previous years, female descendants being followed by their own lambs in turn. Thus, the leader in such a flock is usually the oldest female with the largest number of descendants." (Hafez et al 1969). This is confirmed partially by Grubb & Jewell (1974) who noted that sheep were never led by lambs if older ewes were present.

Of course in domestic flocks the lead animal is usually one which has been handpicked by the herder because she is easily bribed with a handful of oats to follow him. Towne & Wentworth (1946) suggest that goats are selected to lead many sheep flocks because they "possess quicker instinct, are freer foragers and better water-finders". My own experience is generally that the matriarchs of the band, who appear more susceptible to the temptation of a handful of oats, and who are generally less excitable than their younger offspring, make the best leaders. I have also observed that crossbreds naturally tend to lead purebred sheep. Possibly their hybrid vigor extends to mental faculties as well.

One interesting aspect of leadership I have observed is that when the flock catches wind of a very succulent patch of feed at some distance ahead, leadership disappears and the flock degenerates into a very fast moving mob. In such cases it is every sheep for herself, and the herder may have an exasperating job trying to keep up with his flock. Gilfillan describes such behavior in the following anecdote: "When 'running' in the spring, the entire bunch may move faster than the herder can walk. One herder told me of an experience he had with a bunch of antelope. His sheep passed them on the run....."

VIII. MOTHER - YOUNG BEHAVIOR

Collins (1956) observed that ewes generally tend to hide their young after an initial nursing, and to remain very close to them for 2 - 3 days. Since lambs are rarely turned out to summer range before they are 3 weeks old this hiding behavior is not a problem unless the band happens to contain an odd pregnant ewe. These ewes can be a great problem, for they insist on disappearing to lamb, and in spite of all searches made, may not be seen again for 72 hours, by which time their lamb may have been carried off by a coyote. Thus pregnant ewes are in the same class as Cheviots - they are unwelcome on summer range.

Collins (1956) also noted that as lambs began to feed more independently of their mother the ewe became increasingly indifferent to them. Frequency of nursing decreased as the lambs grew older and the greatest age a lamb was nursed to was 4 months. Gilfillan (1956) noted that a ewe with twins will not let either of them suck by himself, but rather both must suck at the same time.

Perhaps the most remarkable aspect of mother-young behavior is the transformation of character which the presence of a lamb induces in the ewe. Hafez et al (1969), Towne & Wentworth (1946), Gilfillan (1957), and Kupper (1945) all note the characteristic 'stamping of the feet' of ewes who feel their offspring are threatened. This appears to be a warning to both other animals and humans to keep their distance.

It is my experience that in the presence of a dog, a ewe may be more than just defensive of her offspring, she may be aggressive. Many times I have observed a ewe stamp her feet, put her head down and make a forceful charge at a dog. The dog, astonished at this complete reversal of character invariably flees, tail between legs, with the ewe in hot pursuit. On one occasion I observed an 8 year old ewe drive a mature dog over 200 yards away from her lamb before she gave up pursuit.

To the experienced sheepdog such belligerent behavior constitutes a blow to the ego which he will nevertheless recover from over time. To the young sheepdog it constitutes a disaster, for his confidence may be so undermined and his fear of sheep grow so great that he may never again be of use as a sheep dog. For this reason experienced trainers never expose their young dogs to easily aroused mothers, but only to dry ewes who, true to their normally meek disposition, would rather run than fight.

IX. BEHAVIOR WITH OTHER SPECIES

Cairns (1966) [Cited by Hafez et al 1969] noted that "If 4 to 8 week old lambs are separated from other sheep and are maintained in continuous confinement with a dog as the sole cohabitant, the lambs will demonstrate a strong preference for the dog with which they have been paired over alternative choices". Bond et al (1967) noted the social cohesion between steers and sheep as follows: "one wether lamb and steer were inseparable.

When it was necessary to separate this pair, the steer attacked the man holding the lamb..... When the lamb was released, he immediately joined the steer and both ran to the corner of the field farthest from the men". Thus sheep are able to modify their behavior to become socially compatible with, or dependent on other species.

Perhaps the most famous aspect of social interspecies behavior is the dependence of sheep upon man. In this regard Kupper (1945) feels the sheep's behavior is indicative of its lack of intelligence: "they lost all ability to care for themselves, all the independence and sagacity still shown by their wild brethren... the original senses of hearing, sight, and smell have dwindled until the brain chamber was reduced by thirty to fifty centimeters. The sheep became a symbol of all this is inane and witless". Kupper's observations are not entirely correct, for I have observed many ewes of great sagacity who knew all the 'tricks of the trade'.

Therefore, lest Kupper's cynicism leave the wrong impression, I conclude with the following passage which, I feel, places both the sheep's behavior and her dependence on man in a more favorable light: "A stranger they will not follow, but they will flee from him, for they do not know the voice of strangers.....but he who enters by the door is the shepherd of the sheep.....and he calls his own sheep by name and leads them out.....and the sheep follow him, for they know his voice....." [John 10:2-5]

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S H E E P P R O D U C E R S !

Wouldn't you like to get rid of those last few tail-enders in your feedlot? We may be able to help! A number of lambs are required for the lamb carcass research at the Agriculture Canada Research Station in Lacombe. We need: January - March born lambs which will weigh 70-120 lb when delivered in August - October. Lambs' birthdates must be known. Premium prices paid. Ian Clark, Bentley, Alberta, phone 748-2624



LAMBS in LACOMBE

Sept. 19, 1987

Family Sheep & Wool Fair · Commercial Ewe Sale · Craft Sale

L A S T C H A N C E !

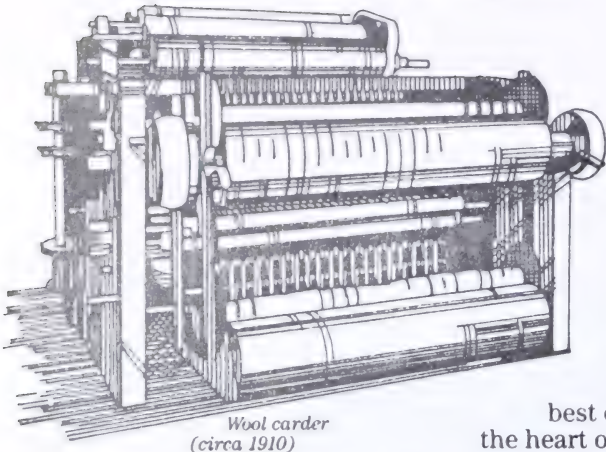
. . . to enter quality R.O.P. tested commercial ewe lambs in the Lambs in Lacombe sale! Ewe lambs must:

- be ROP tested
- weigh 100 lb or more
- have not more than 1" of wool
- pass an individual veterinary inspection and a physical cull for teeth, legs, external parasites etc.
- have a full mouth milk teeth
(1986 fall-born ewe lambs welcome!)

A limited number of ewe lambs are being accepted - there is very little room left - call today (427-5077) to avoid disappointment.

PLEASE NOTE: THERE IS A \$6.00/ANIMAL NON-REFUNDABLE SALE BUT THERE IS NO COMMISSION CHARGED AT THIS SALE.

A landmark in custom-processing



Custom Woolen Mills is the only facility in western Canada which offers a total approach to industry service. Sheep producers in several provinces depend on us for hide and wool processing, including mohair processing.

Plans are underway to extend our mohair-processing capabilities. At present, the operation is limited in scale. However, our research indicates that the market exists, and we intend to explore its potential more fully.

One exciting new development which has enhanced our service to sheep producers, while boosting the marketability of our products, is the addition of a colour dye facility. Originally, Custom Woolen Mills provided only natural colours. Today, a rich array of select fashion colours is available, too. So now, you can look to us for the best of both worlds – the old and the new – under one roof in the heart of rural Alberta.

The products of Custom Woolen Mills

Prairie Wool Products

Soft, thick, with good spring, Prairie Wool Products will delight those who enjoy hand-crafting traditional gifts.

- Rovings – 2" to 3" diameter
- Spinning Batts – 60" x 90", individually weighed
- Spinning Rolls
- Quilting Batts – 60" x 90", individually weighed

Mule Spinner Yarns

- Single-ply
- Soft Spun – two-strand densities
- Plied Yarn – two- or three-ply

Cold Country Comforters

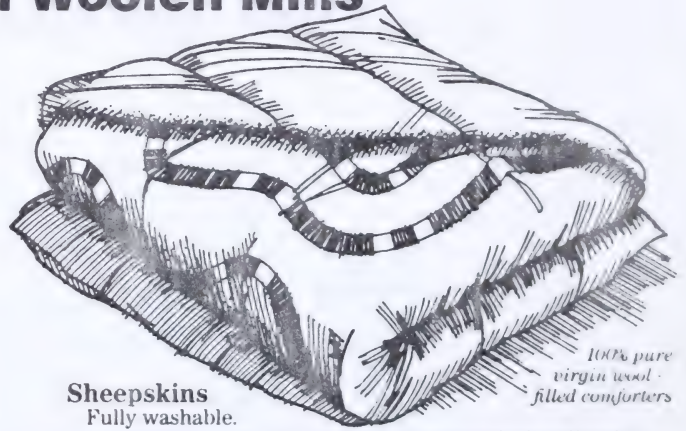
Available in King, Queen, Double, Twin, Single or Crib. 100% pure virgin wool fill; choice of muslin or cotton coverings in a wide range of colours.

Country Style Mattress Overlays

Available in King, Queen, Double, Twin or Single. 100% pure virgin wool fill; covering in choice of colours, cotton or muslin.

Mohair

- Blend Soft Spun – 50% mohair, 50% wool
- Spinning rolls and rovings – 50/50 mix



Sheepskins

Fully washable.
Long wool for rugs and hangings; shearlings for handcrafts.

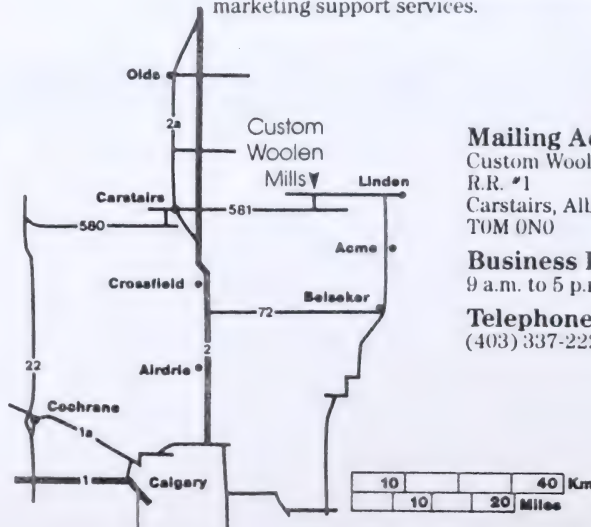
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In order to help sheep producers generate more income by processing and marketing wool and hide products themselves, we provide a total custom-processing facility, including marketing support services.

Discover a legend

You are welcome to call or visit Custom Woolen Mills at any time during business hours.

You'll find us by following Highway #2. Take the Highway #581 exit, go east 14 miles, then north for 3 miles. When you see our sign, you've discovered a legend – a company with something new to offer, thanks to a heritage of excellent quality.



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Custom Woolen Mills Ltd.
R.R. #1
Carstairs, Alberta, Canada
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Business Hours:

9 a.m. to 5 p.m., Monday through Friday

Telephone:

(403) 337-2221

AUG 87

S	M	T	W	T	F	S
						1 ₂₁₃
2 ₂₁₄	3 ₂₁₅	4 ₂₁₆	5 ₂₁₇	6 ₂₁₈	7 ₂₁₉	8 ₂₂₀
9 ₂₂₁	10 ₂₂₂	11 ₂₂₃	12 ₂₂₄	13 ₂₂₅	14 ₂₂₆	15 ₂₂₇
16 ₂₂₈	17 ₂₂₉	18 ₂₃₀	19 ₂₃₁	20 ₂₃₂	21 ₂₃₃	22 ₂₃₄
23 ₂₃₅ 30 ₂₄₂	24 ₂₃₆ 31 ₂₄₃	25 ₂₃₇	26 ₂₃₈	27 ₂₃₉	28 ₂₄₀	29 ₂₄₁

SEPT 87

S	M	T	F	S
	6 ₂₄			
	13 ₂₅₆			
	20 ₂₆₃	21 ₂₆₄		
	27 ₂₇₀	28 ₂₇₁	29 ₂₇₂	30 ₂₇₃

Alberta's ONLY sale
of performance tested
commercial ewe lambs. → **19**

OCT 87

S	M	T	W	T	F	S
				1 ₂₇₄	2 ₂₇₅	3 ₂₇₆
4 ₂₇₇	5 ₂₇₈	6 ₂₇₉	7 ₂₈₀	8 ₂₈₁	9 ₂₈₂	10 ₂₈₃
11 ₂₈₄	12 ₂₈₅	13 ₂₈₆	14 ₂₈₇	15 ₂₈₈	16 ₂₈₉	17 ₂₉₀
18 ₂₉₁	19 ₂₉₂	20 ₂₉₃	21 ₂₉₄	22 ₂₉₅	23 ₂₉₆	24 ₂₉₇
25 ₂₉₈	26 ₂₉₉	27 ₃₀₀	28 ₃₀₁	29 ₃₀₂	30 ₃₀₃	31 ₃₀₄

NOV 87

S	M	T	W	T	F	S
1 ₃₀₅	2 ₃₀₆	3 ₃₀₇	4 ₃₀₈	5 ₃₀₉	6 ₃₁₀	7 ₃₁₁
8 ₃₁₂	9 ₃₁₃	10 ₃₁₄	11 ₃₁₅	12 ₃₁₆	13 ₃₁₇	14 ₃₁₈
15 ₃₁₉	16 ₃₂₀	17 ₃₂₁	18 ₃₂₂	19 ₃₂₃	20 ₃₂₄	21 ₃₂₅
22 ₃₂₆	23 ₃₂₇	24 ₃₂₈	25 ₃₂₉	26 ₃₃₀	27 ₃₃₁	28 ₃₃₂
29 ₃₃₃	30 ₃₃₄					

DEC 87

S	M	T	W	T	F	S
		1 ₃₃₅	2 ₃₃₆	3 ₃₃₇	4 ₃₃₈	5 ₃₃₉
6 ₃₄₀	7 ₃₄₁	8 ₃₄₂	9 ₃₄₃	10 ₃₄₄	11 ₃₄₅	12 ₃₄₆
13 ₃₄₇	14 ₃₄₈	15 ₃₄₉	16 ₃₅₀	17 ₃₅₁	18 ₃₅₂	19 ₃₅₃
20 ₃₅₄	21 ₃₅₅	22 ₃₅₆	23 ₃₅₇	24 ₃₅₈	25 ₃₅₉	26 ₃₆₀
27 ₃₆₁	28 ₃₆₂	29 ₃₆₃	30 ₃₆₄	31 ₃₆₅		



See you there.

ALBERTA



COUNTRY

"WILDROSE" REGISTERED SEEDSTOCK SHEEP SALE

Sponsored by the

ALBERTA SHEEP BREEDER'S ASSOCIATION

Saturday, AUGUST 29, 1987

Show & Sale at the

OLDS COLLEGE NEW ARENA FACILITY OLDS, ALBERTA

AN ALL-BREED EVENT - THE BEST OF WESTERN CANADA'S BEST
CATALOG ENTRIES FROM BRITISH COLUMBIA, ALBERTA & SASKATCHEWAN

Breakdown of Entries Are as follows:

	Yearling Rams	Ram Lambs	Yearling Ewes	Ewe Lambs
Suffolks	7	11	26	68
Hampshires	2	4	3	20
Columbias	-	1	16	1
Rambouillets	1	-	9	3
N.C. Cheviots	3	1	3	5
Polled Dorsets	-	2	1	7

*** Added Value: A number of yearling ewe entries will have been pasture exposed to Champion Stud Rams prior to the Sale!

AN ALL-TIME "FIRST" WITHIN THE INDUSTRY!!

The "WILD ROSE" Sale Catalog will show individual R.O.P. for Sale entries, also Single, Twin or Triplet information for most of the Parents and Grandparents - valued data for every breeder.

SHOW - 9 A.M.

LAMB BBQ - NOON

SALE - 1 P.M.

SATURDAY, AUGUST 29TH

OLDS COLLEGE AGRICULTURAL PAVILION

SALE DAY PHONE IN PAVILION for absentee potential buyers.
Directions for servicing of phone or mail bids appear in the Sale Catalog.

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SPECIAL COMMERCIAL ATTRACTION

IN RESPONSE TO INDUSTRY DEMAND, THE ALBERTA SHEEP BREEDER'S ASSOCIATION ARRANGED FOR AN OFFERING OF APPROXIMATELY TWO HUNDRED (200) CROSSBRED EWE LAMBS TO BE INCLUDED IN THIS "WILD ROSE" SALE, AND TO BE OFFERED IN SMALL GROUPS AT CONCLUSION OF THE REGISTERED STOCK SALE. THESE EWE LAMBS ARE OF THE PREFERRED SUFFOLK/COLUMBIA/RAMBOUILLET BLOODLINE COMBINATIONS AND HAVE BEEN DEVELOPED IN THE LARGE COMMERCIAL FLOCKS OF SOUTHERN ALBERTA FROM WHICH HAVE COME THE LARGEST QUANTITIES OF MARKET LAMBS PRODUCED IN CANADA. COMMERCIAL BREEDERS AND THOSE PLANNING TO COMMENCE PRODUCTIVE FLOCKS FOR THAT TRADE SHOULD FIND THESE SOUTHERN ALBERTA LAMBS IDEAL FOR ALL SUCH PURPOSES. PUREBRED RAMS ARE AVAILABLE IN QUANTITY IN THE "WILD ROSE" SALE FOR YOUR ONE-STOP SHEEP EXPANSION PLANS.

The Classifieds

FOR SALE - SHEEP

BLACK RAM lamb, one of twins. Columbia X Suffolk. Sire is registered Columbia. ROP. Born March '87. Disease-free and ready to go. \$150. Gheri Fouts, Cochrane, phone 932-6686 (8)

REGISTERED DORSET ram lambs. Patrick Lyster, Grande Prairie, phone 532-0471 (8)

FLOCK REDUCTION - After July 15. North Country Cheviot ewes & rams. Lyle Hamer, Red Water, phone 942-4184 (8)

HILL VALLEY Farm ewes. ROP indexed. Routinely vaccinated, wormed. Breeds available: Columbia/Rambouillet; Suffolk/Dorset; Suffolk; Suffolk/Clun Forest; Finn/Suffolk/Clun Forest; Dorset/Clun Forest. Contact Rod or Peg Baynton, Lloydminster, phone 875-6372 (8)

EWE LAMBS. Suffolk, Dorset, Cheviots and cross-breeds. Call Pasu Farms, Carstairs, 337-2800 (8)

JANUARY BORN purebred Suffolk ram lambs. ROP tested. Reg Marler, Sherwood Park, 467-3179 (8)

ONE PUREBRED, registered Suffolk ram. Waco Valley Hy 39S, 3 year old twin, proven breeder. Harvey Steiger, Acme, phone 546-2681 (8)

SUFFOLK EWE and ram lambs. ROP records available. Jim & Joanne Pearson, R R #1, Bowden, phone 224-3026 (8)

APRIL BORN ewe lambs. Mostly Rambouillet and Suffolk and crossbred ram lambs. Wormed and vaccinated regularly, minimal disease flock. ROP tested. Deb & Ian Clark, Medicine Ridge Farm, Bently, phone 748-2624 (9)

200 RAMBOUILLET ewe lambs in October. 125 Finn Rambouillet Suffolk cross ewe lambs in late October. Clay Chattaway, phone 646-5886 or Sten Lundberg, phone 646-5465, Nanton (9)

REGISTERED POLYPAY RAM, 1½ years old. Triplet. Parents USSES imports. Polypay ewe lambs with him. Anthony Schlee, Calgary, phone 936-5690 after 8 PM (9)

3 PUREBRED Border Leicester ram lambs and 1 black ram lamb (¾ Border Leicester). Call Doreen McLean, Niton Junction, 795-2140 (9)

TOP QUALITY ROP tested Suffolk ram lambs. Order now to avoid disappointment. Call Dennis, Wild & Wooly Sheep Enterprise, Red Water, 942-4537 (9)

BLACK RAM, ¾ horned Dorset, ¼ Suffolk. Black ram lamb, Dorset/Lincoln cross. Brown ram lamb, Dorset/Corriedale cross. \$100 each. Call Ray Rink, Stony Plain 963-3058 or 963-4343 (9)

COMMERCIAL EWES and ewe lambs available. Lamata Farms. Call 270-7888 (Calgary) or 637-2557 (Cremona) (9)

CLUN FOREST ewe lambs and ewes. A medium sized breed from Wales. Excellent mothers. Lots of milk. Free from lambing troubles. Renowned for longevity. Crosses are prolific and thrifty. Don Spicer, Cochrane, 932-4262 or 262-5717 (9)

35 DORSET & Suffolk ewe lambs. February born. All twins \$120.00 Contact Jack or Wendy Janssen, Chipman, 363-2190 (9)

EWE LAMB. ¾ Rambouillet, ¼ Finn, For-Bar Farms, Barnwell, phone 223-8324 (9)

BLACK LINCOLN yearling ewe (American registration, Canadian pending). Placed 2nd in Junior Ewe Lamb Class at 1986 World Sheep & Wool Congress International Show. Contact Gail Skrepnyk, Fort Saskatchewan, 895-2760 (9)

20 SUFFOLK X ewe lambs. April born. Contact John Howard, Didsbury, 335-9155 (9)

COLORED EWE lambs. Born March-April. Approximately 100 lb. Some Romney, also a few white ones. \$125 each. Contact Emil Dietrich, Cherhill, 785-2786 (9)

2 PUREBRED North Country Cheviot ram lambs. Born Mid-April. Triplets. Also 1 ram born March '86. Contact Jim & Susan Lega, Waskatenau, 358-2508 (9)

30 FINN X Rambouillet ewes. 5-6 years old. \$100 each. Contact Bob Winchell, Barrhead, 674-3540 after 6 PM (9)

3 SUFFOLK X ewes (3 yrs) - \$85 each, 1 Suffolk ewe (5 yrs) - \$65, 1 Cheviot X Dorset ewe (6 yrs) - \$65, 1 yearling Romney X Rambouillet ram - \$100, 1 April born Romney X Rambouillet X Cheviot ram lamb - \$100. John O'Brien, Winfield, phone 682-2140 (8)

FLOCK DISPERSAL. Complete flock - 40 head cross-breds. Including 12 ewe lambs, 12 ram lambs (born between Feb 20 - Mar 18/87) and 16 ewes. All shots, sheared, hoof trimmed. Trained to electric fence. Very reasonably priced for taking whole flock. Contact Lorrie Dunn, Daysland, phone 374-2116 (8)

35 EWES and 32 ewe lambs (Suffolk/Finn crosses). 3 are 5 year olds but most are 1-4 years old. \$125 each. Contact Hans Berndt, Legal, 961-2398 (9)

9 YEARLING Rambouillet ewes - \$125. 13 Rambouillet ewe lambs - \$100. Lincoln ewe, white - \$150. Karakul/Lincoln ewe, brown - \$150. Rambouillet ram, 5 yrs old, polled - \$150. 2 Lincoln ewe lambs, 1 white, 1 brown. Sire colored Registered purebred - \$175. 2 Lincoln Karakul cross lambs, born triplets. One white female \$175. One brown male - \$200. Sire colored Registered Lincoln. Call Michael Harvey, Sherwood Park, 467-1127 (9)

PUREBRED REGISTERED Suffolk ram lambs - \$200 each. Contact Doug Olchow, Thorhild, 398-2305 (9)

ROMANOV X Suffolk, Romanov X Cheviot ram lambs born April '87. Contact Ongaria Sheep, Whitecourt, 778-5728 (9)

4 YEAR old Corriedale purebred ram. Born a triplet. Contact Evangeline Fluet, Cherhill, 785-2003 (9)

3 YEAR old Registered Targhee ram. Sandy Lanctot, Legal, phone 961-3780 or 961-3688 (9)

100-150 Suffolk ewes. 25 North Country Cheviots. 4-6 yrs old. Price negotiable depending on how many. Records available. Contact Allan Potter, Onoway, 967-5171 (9)

12 SUFFOLK and Suffolk/Finn ewe lambs born last week of April '87. (Kure bloodlines). Clean flock all wormed and vaccinated. Contact Rick Chasse, Spruce View, 728-3362 after 6 PM (9)

FLOCK DISPERSAL. 30 Finn X Rambouillet ewes, ewe lambs, Polypay ram. Contact Ron VanderLeest, Barrhead, 785-2453 (9)

TRIPLET RAM Lamb - 1/2 Suffolk, 1/2 Finn. Ram Lamb - 1/2 Targhee, 1/4 Suffolk, 1/4 Finn. Prolific, good wool, fast growing, easy lambing and good for crossbreeding. Contact Donna Hawley, Legal, 961-3688 (9)

CORRIEDALE RAM. Contact Gail Snellen, Leduc, 986-0758 (8)

2 & 3 year old Suffolk ewes and April born ewe lambs. Also registered Angora goats, doe and buck combinations. Registered Angora bucks, 1-3 years old. Contact Mary or Chris Clennell, Stony Plain, 963-4450 (9)

FOR SALE - GOATS

2 REGISTERED Nubian does. Yearlings. Freshening mid-July. Routine health program. Whiffletree Farm, Gail Stewart, Delburne, phone 749-2381 (8)

REGISTERED AND grade Alpine yearling does, doe kids and one wether kid. Jackie Riley, Rise & Shine Farm, Kingman, phone 662-2377 (8)

2 PUREBRED Nubian doelings. Born in January - \$135 each. Purebred LaMancha milking doe - \$135 and purebred LaMancha doeling - \$125. Also Angora goats approx. 70 head. Will split in groups of 10 or more. Reasonable. Contact Linda, Hay Lakes, 878-3784 (9)

1 ANGORA goat wether, two years old. Asking \$125. Contact Dorothy Marshall, Edberg, 877-2649 (9)

CGS REGISTERED Nubian bucks from show-winning stock, \$300. CGS recorded LaMancha does and doe kids, bred to star buck after Sept - \$200. 1 CGS Registered LaMancha buck - \$300. Contact John & Joanne Benger, Nurabian Farm, Drayton Valley, 727-2491 (9)

FOR SALE - DOGS

CKC REGISTERED white toy poodle and red Doberman puppies. Tattooed. Contact John & Joanne Benger, Drayton Valley, 727-2491 (9)

2 - 16 WEEK old Border Collie puppies. Showing lots of enthusiasm and working ability. Contact Ian & Deb Clark, Medicine Ridge Farm, Bentley, 748-2624 (9)

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 AUSTRALIAN SHEPHERD pups. Registered. Born June 2/87. Tri-colored males. Shots and tattooed. From working and show stock. Pedigrees provided - \$200. Guaranteed. Contact Lynn Langlois, Tangent, 359-2146 (9)

FOR SALE OR TRADE

1 SUFFOLK ram and 1 Corriedale/Suffolk ram for another Suffolk ram. Contact Mary Jensen, Battle Lake, 586-3523 (9)

.....
 1 FIVE year old Suffolk ram for one of equal performance. Large, fast growing twins and triplets born to Suffolk ewes. Contact Rick Luschyk, Breton, 696-3861 (9)

FOR SALE - MISCELLANEOUS

SUNBEAM FARM model shearing machine. Flexible shaft, motor, mount, cutters, combs, etc. (Complete outfit). Used very little - \$300. Contact Len Friesen, Ardrossan, 922-2963 (9)

.....
 PORTABLE PLATFORM weigh scales. Accurate - \$135. Contact Rick Luschyk, Breton, 696-3861 (9)

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 SHEEP FARM. 46 acres with page wire fence. Excellent facilities. Smaller newer house. 35 minutes from Edmonton right on Highway. With good downpayment will consider carrying mortgage. Contact Linda, Hay Lakes, 878-3784 (9)

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 40 ACRES near Toffield. Cleared, fenced and cross-fenced. 1800 sq. ft. house, workshop and out-buildings. Ideal for sheep. Contact Maureen Bauman 662-2799 after 6 PM (9)

WANTED - SHEEP

500 OLDER sound ewes. Preferably Suffolk. Call Renee Fisher, Irricana, 935-4733 (8)

.....
 LARGE FLOCK of sheep. Preferably Finn X Suffolk crosses. Call Kees Dettter, Lavoy, 658-2449 (9)

SOUND EWES. Preferably Suffolk. Contact Susan Grant, Standard, 644-2448 (9)

.....
 1 REGISTERED Suffolk ram. 1-2 yrs old. 1 breeding ram harness. Contact W. Starling, Drayton Valley, 542-2548 (9)

WANTED - MISCELLANEOUS

ELECTRIC SHEARING equipment. We require a set of electric shearers and accessories in good condition and reasonably priced. We live in the Calgary area. Chris Huzzey, phone 272-9090 (8)

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 1 SHEEP squeeze, tipping table and sheep scale. Contact Rena or Brian Waite, Killam, 385-2335 (9)

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ATTENTION CRAFTERS & home knitters! We would be pleased to market your handmade articles at major shows in Alberta as well as from our 3000 square foot gallery. Please contact us by phoning 337-2800 or writing to Pasu Farms, Box 656, Carstairs, TOM ONO (8)

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.....

SHEP & THE SHEEP





EDITOR'S NOTE

Classified Ads and Coming Events may be placed in Sheep Footnotes free-of-charge by contacting:

*Janet Smalley
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
T6H 5T6*

*John Knapp
Sheep Specialist
Bag Service #1
Airdrie, Alberta
TOM OBO*

Ph: (403) 427-5077

Ph: (403) 948-8517

The deadline for Classified Ads and Coming Events is the last day of the month prior to the month of publication.

Coming Events will be run every month from when they are placed until the event. Please Note: Events should be placed in Coming Events at least 6 weeks in advance in order to ensure their publication before they occur.

Classified Ads will run initially for two months, unless cancelled after the first month. After the first two months, ads may be renewed each month by contacting Janet Smalley at 427-5077. Ads must not exceed two column inches in length or they will be edited. Full page ads and half page ads will be run for one month. If you want your full page ad condensed into a Classified Ad for the next two months, please indicate this when you send in the ad. Sheep Footnotes reserves the right to restrict the length, content and run of any Classified Ad.

EDITORS OF OTHER PUBLICATIONS

Material in Sheep Footnotes may be reprinted in other publications, but source must be stated and content of articles may not be changed without authors' permission.



sheep footnotes



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Editor: Cathy Gullivan
 Sheep & Goat Specialist
 Beef Cattle & Sheep Branch
 7000 - 113 Street
 Edmonton, Alberta
 427-5077

Advertising: Janet Smalley
 Beef Cattle & Sheep Branch
 7000 - 113 Street
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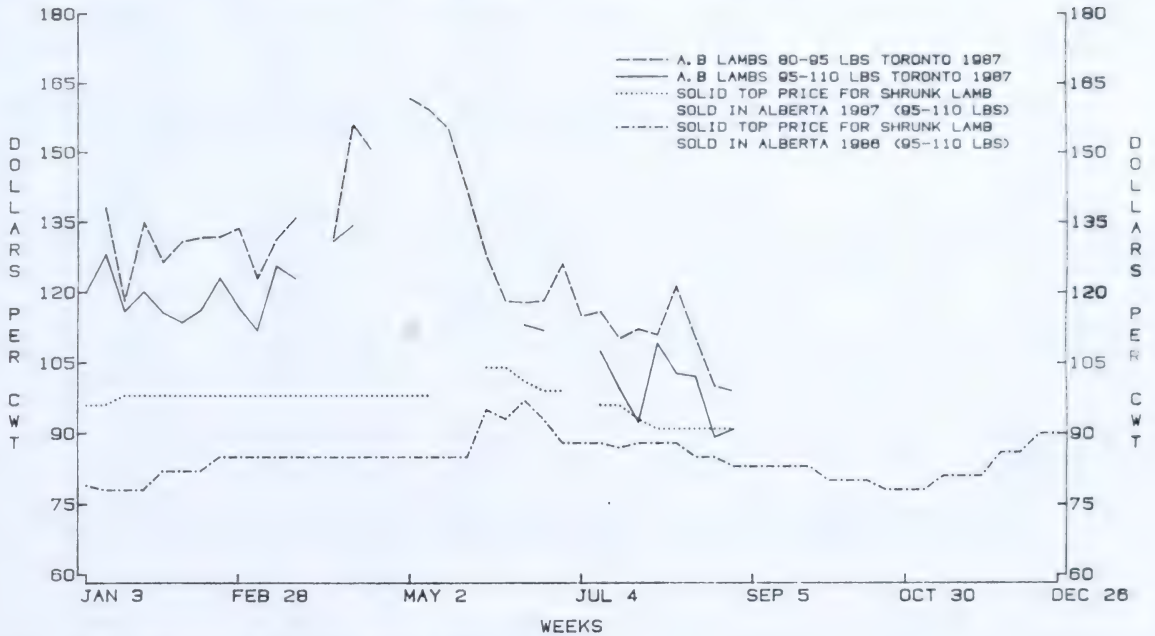
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AND
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MARKET NEWS

WEEKLY AVERAGE SLAUGHTER LAMB PRICES



NOTE: NO OR INSUFFICIENT SALES FOR CERTAIN WEEKS IN TORONTO

Alberta slaughter lamb prices dropped \$5.00 per cwt from July levels but remain about \$5.00 per cwt higher than 1986 levels. Marketings at Lambco are up from levels for the same period last year and from the previous month. Expect slaughter lamb prices to drop a further \$3.00-\$5.00 per cwt in September as supplies reach yearly peaks. Current Toronto Market lamb (95-110 lb) prices approximate last year's prices.

The mid-month sale at Edmonton Public Stockyard reported just over 900 head of sheep and lambs. Heavy feeders went for \$87.00-\$95.00 per cwt and light feeders traded in the \$96.00-\$108.00 per cwt range. A steady U.S. demand for feeder and slaughter lambs is compensating for reductions in eastward movement of live lambs. About 4,700 lambs were exported into the U.S. from southern Alberta during each of the summer months of July and August, about double the exports for the same period last year. Summer is the peak season for export of Alberta lambs into the U.S. In general, the feeder market appears to be fairly strong.

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT LAMBCO

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON						
AUG 1987	88.00-91.00	88.00-91.00	88.00-91.00	88.00-91.00	88.00-91.00	88.00-91.00
LAST MON						
JUL 1987	96.00-99.00	93.00-96.00	93.00-96.00	90.00-93.00	---	93.00-96.00
YR AGO MON						
AUG 1986	85.00-88.00	85.00-88.00	82.00-85.00	82.00-85.00	85.00-88.00	83.80-86.80
VOLUMES						
AUG 1987	1,384	1,220	1,598	1,440	1,616	7,258
AUG 1986	1,239	1,147	1,191	1,526	1,310	6,413

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT TORONTO PUBLIC STOCKYARDS
(With Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	105.00-113.00	96.00-118.00	98.00-107.00	85.00-96.00	80.00-108.00	96.62
AUG 1987	(109.10)	(102.67)	(102.01)	(89.21)	(90.93)	
LAST MON	NEP	100.00-114.00	92.00-101.00	91.00-98.00	---	100.56
JUL 1987		(107.40)	(99.52)	(92.32)		
YR AGO MON	94.00-101.00	96.00-107.00	101.00-114.00	94.00-108.00	80.00-101.00	98.12
AUG 1986	(99.13)	(102.30)	(108.50)	(102.51)	(86.62)	
AUG/87 VOLUMES	24	43	34	68	42	211
AVERAGE WEIGHT	100.2 lb	102.1 lb	101.2 lb	101.2 lb	105.0 lb	102.0 lb

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 80-95 LBS TORONTO PUBLIC STOCKYARDS
(Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	105.00-120.00	116.00-126.00	105.00-118.00	90.00-109.00	90.00-108.00	108.13
AUG 1987	(110.92)	(121.13)	(110.26)	(100.03)	(98.86)	
LAST MON	107.00-120.00	108.00-120.00	105.00-113.00	105.00-120.00	---	113.61
JUL 1987	(114.81)	(115.83)	(110.14)	(112.12)		
YR AGO MON	97.00-114.00	100.00-115.00	105.00-119.00	107.00-116.00	90.00-110.00	105.17
AUG 1986	(107.09)	(107.49)	(113.87)	(110.17)	(98.21)	
AUG/87 VOLUMES	247	147	137	214	125	870
AVERAGE WEIGHT	87.5 lb	89.2 lb	84.8 lb	83.3 lb	86.8 lb	86.22 lb

Prices quoted for 95-110 lb lambs are bid prices at Lambco and auction prices at Toronto Public Stockyards for good quality lambs. The lower end of the Alberta price range reflects bids for short haul or unshrunk lambs while the upper end of the range represents bids for long haul or shrunk lambs. Producers delivering to the Toronto Public Stockyards pay commission and yardage fees for each animal sold. Producers delivering to Lambco pay \$1/head checkoff to the Alberta Sheep and Wool Commission.

The Toronto auction price is from the Special Sheep and Lamb Sale held on Monday each week.

N.E.P. - No established price

Ron Gietz, Market Economist
Market Analysis Branch
Phone: (403) 427-4002
August 31, 1987

-3- MARKET

** REPRESENTATIVE LIVE SALES **

JULY 17, 1987

AREA	TYPE OF SHEEP	TYPE OF SALE	NUMBER	WEIGHT	WEIGHING CONDITIONS	PRICE (\$/cwt)
NORTHWEST						
Oregon	Spring	Pool	400	100-120	Choice & prime, woolled, delivered	82.00
Oregon	Feeder	Pool	200	70- 80	Choice & fancy, woolled, delivered	81.00
Oregon	Sl. Ewe	Pool	200		Cull & utility, delivered	20.00
SOUTHWEST						
California	Spring	Direct	400	100-120	Choice & prime, shown, delivered	78.00- 79.00
California	Spring	Auction	200	100-130	Choice & prime, woolled & shorn	78.00- 79.80
California	Mixed	Direct	1,000	85-105	70% feeders, woolled, FOB overnight	80.00
California	Feeder	Auction	400	50-100	Choice & fancy, woolled & shorn	78.00- 83.25
California	Sl. Ewe	Auction	200		Cull & utility, shorn	22.00- 26.00
MOUNTAIN						
Colorado	Spring	Direct	400	105-115	Choice & prime, woolled, FOB overnight	77.00
Utah	Mixed	Direct	2,000	90-105	Oct.del., woolled, FOB overnight	76.00
Colorado	Feeder	Auction	150	60- 70	Choice & fancy, woolled	91.00- 93.00
Colorado	Feeder	Auction	200	70- 80	Choice & fancy, woolled	87.00- 91.00
Colorado	Feeder	Auction	500	80- 90	Choice & fancy, woolled	85.00- 87.00
Colorado	Feeder	Auction	350	90-110	Choice & fancy, woolled	78.00- 81.50
New Mexico	Feeder	Auction	250	70- 90	Choice & fancy, woolled	75.00- 80.00
New Mexico	Feeder	Auction	250	40- 70	Choice & fancy, woolled	85.00- 90.00
New Mexico	Feeder	Direct	1,500	75- 80	Oct.del., \$5-7 ewe lamb premium	83.00- 85.00
Wyoming	Feeder	Direct	500	80- 90	Oct.del., woolled, FOB overnight	86.50
Montana	Feeder	Auction	300	100-125	Choice & fancy, woolled	76.00- 78.00
Montana	Feeder	Auction	300	90-100	Choice & fancy, woolled	77.25- 84.75
Montana	Feeder	Auction	1,300	60- 90	Choice & fancy, woolled	80.00- 88.25
Montana	Sl. Ewe	Auction	200		Utility & good	25.00- 35.00
New Mexico	Stock Ewe	Auction	300		Broken mouth, Oct. lambing (per head)	55.00- 65.00
NORTH CENTRAL						
Texas	Feedlot	Direct	7,500	100-120	Guarantee 51% yield, shorn	76.00- 78.00
Texas	Feeder	Auction	700	40- 60	Choice & fancy, woolled	94.00-109.00
Texas	Feeder	Auction	2,500	60- 70	Choice & fancy, woolled	88.00-101.50
Texas	Feeder	Auction	3,000	70- 80	Choice & fancy, woolled	85.00- 92.50
Texas	Feeder	Auction	3,200	80- 90	Choice & fancy, woolled	85.00- 92.00
Texas	Feeder	Direct	500	60- 70	Choice & fancy, Aug.del., FOB overnight	92.50
Texas	Sl. Ewe	Auction	300		Good	33.00- 37.00
Texas	Sl. Ewe	Auction	800		Utility	27.00- 33.00
Texas	Sl. Ewe	Auction	400		Cull	20.00- 27.00
Texas	Stock Ewe	Auction	400		Solid to broken mouth (per head)	45.00- 55.00
NORTH CENTRAL						
Iowa-S. Minn	Spring	Direct	5,000	100-120	Choice & prime, \$2-4 buck disc., FOB 4%	73.00- 76.00
Wisconsin	Spring	Computer	1,100	100-120	\$2 buck disc., woolled & shorn, 3% shrink	73.50- 73.75
Minnesota	Spring	Computer	400	105-125	\$2 buck disc., woolled & shorn, 3% shrink	75.25
Minnesota	Spring	Auction	1,000	100-130	Choice & prime, woolled & shorn	72.00- 74.00
Illinois	Spring	Direct	400	90-120	Choice & prime, woolled, FOB 4% shrink	70.00- 72.00
Nebraska	Feeder	Direct	500	90-100	Choice & fancy, woolled, delivered	84.50
Nebraska	Feeder	Direct	500	80- 85	Choice & fancy, woolled, delivered	86.00
S. Dakota	Feeder	Auction	300	40- 60	Choice & fancy, woolled	103.00-114.00
S. Dakota	Feeder	Auction	1,800	75- 90	Choice & fancy, woolled	90.00- 96.00
S. Dakota	Feeder	Auction	450	90-100	Choice & fancy, woolled	83.00- 85.50
S. Dakota	Feeder	Auction	250	110-115	Choice & fancy, woolled	75.50- 78.00
S. Dakota	Stock Ewe	Auction	150		Broken Mouth (per head)	59.00- 63.00
S. Dakota	Stock Ewe	Auction	250		Solid Mouth (per head)	87.00- 88.00
S. Dakota	Stock Ewe	Auction	200		Yearlings (per head)	115.00-133.00
EASTERN						
Kentucky	Spring	Auction	250	90-120	Choice & prime, woolled	70.00- 74.00
Virginia	Spring	Auction	300	95-125	Choice & prime, woolled	74.00- 80.25

** ASPC PELT MARKET UPDATE - JULY, 1987 **

Fall Clip	\$11.00 - 12.00
No. 1	\$10.00 - 11.00
No. 2	\$ 9.00 - 10.00
Full Wool	\$ 8.00 - 9.00
Spring (Western)	\$12.50 - 13.50
Spring (native)	\$10.50 - 11.00

FOB packer non-defective skins, salted and unflashed.

The pelt market was mixed as compared to last month. Shearing prices continue to have a firm undertone as

supply is short and demand is good. Spring pelt prices, on the other hand, appear to be slipping as wool quality has deteriorated over the past month. Also the world market has fallen with English and Australian skins being offered at lower money. European tanners are on vacation also, contributing to the lower market. As the wool on spring pelts gets longer, more of the pelts are being graded as full wools rather than spring. The full wool market has actually come up a bit over last month as pullers appear to be looking for pulling stock.

WHAT'S NEW IN
P·U·B·L·I·C·A·T·I·O·N·S

VOLUME 12, NUMBER 4
July, August 1987

The following publications are now available from Alberta Agriculture, Print Media Branch, Main Floor, 7000 - 113 Street, Edmonton, Alberta, T6H 5T6.

ALBERTA AGRICULTURE PUBLICATIONS

Agdex Number

- 000-25 Agriculture in Alberta. 1987. 32 pages.
- FS120/15-1 Growing Forage Legumes for Seed. 1987. 3 pages. "Agri-Fax."
- 200/47 Judging Standards for Horticultural Shows. Revised 1987. 57 pages.
- FS277/20-2 Shelterbelts in Alberta. Revised 1987. 4 pages. "Agri-Fax."
- 420/662-2 Alberta Preconditioned Alberta Certified Preconditioned Feeder Program 1986 Annual Report. 1987. 23 pages.
- FS641-13 Control of Green Foxtail. 1987. 4 pages. COUNTRY GUIDE insert June 1987.
- 732-15 Home Vegetable Storage. 1987. 17 pages.
- FS818-35 Making Production Decisions. 1987. 6 pages.
- 821-1 Economics of Milk Production in Alberta Vol. 46, 1986. Issued 1987 48 pages.
- FS821-49 Buy-Sell Economics for Feeder Cattle. 1987. 4 pages. COUNTRY GUIDE insert July 1987.

Homedex Number

- 1131-30-1 Good Grains of Alberta. Reprinted 1987. 35 pages.

The logo for Alberta Agriculture, featuring the word "Alberta" in a stylized, bold font above the word "AGRICULTURE" in a smaller, all-caps font.

ISSN 0706-8662


Coming Events

1987

- September 19 *Lambs In Lacombe. Family Sheep and Wool Fair. Commercial Ewe Sale. Craft Sale and much much more.*
- September 26 *Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.*
- October 1 *North-Central Sheep Sales. Fat and Feeder Lambs. Ewe Sale also indicated. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.*
- October 15 *North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.*
- October 29 *North-Central Sheep Sales. Fat and Feeder Lambs. Ewe Sale also indicated. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.*

- October 31 *Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.*
- November 5 *Farmfair '87 Purebred Sheep Show and Pens of Three Ewe Lambs class. Entries close September 16, 1987. For further information telephone 471-7210.*
- November 6 *Farmfair '87 Junior Sheep Show. Entries close September 16, 1987. For further information telephone 471-7210.*
- November 7 *Farmfair '87 Auction Sale of Purebred Sheep. Entries close September 16, 1987. For further information telephone 471-7210.*
- November 12 *North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.*
- November 19-21 *1987 Sheep Symposium, Banff Springs Hotel. All subscribers of Sheep Footnotes will be receiving a copy of the program of the Symposium in the near future.*
- November 26 *North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.*
- November 28 *Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.*

ALBERTA AGRICULTURE STAFF CHANGES

As you know, John Knapp has left the Beef Cattle and Sheep Branch to assume the position of Regional Director of Zone 6. On October 1, 1987, Cathy Gallivan will be transferring from the Edmonton office to the Airdrie office, where she can be reached at 948-8517. We are hoping to fill the Edmonton position as quickly as possible. Producers needing assistance may contact either Cathy or their Sheep Technician.

Ross Gould, Head
Animal Management Section

.....

TRADE SHOW

AT THE

1987 ALBERTA SHEEP SYMPOSIUM

November 19-21, 1987

Banff Springs Hotel

Cost: 8 ft Booth - \$50.00
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 Phone 877-2226

Your space will be reserved when your cheque is received. Make cheques payable to the Alberta Sheep Breeders Association. Space is limited, call today to avoid disappointment!



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CAN SHEEP EAT SILAGE?

Wray Whitmore
Ruminant Nutritionist
Soils & Animal Nutrition Laboratory
905 O.S. Longman Building
Telephone 436-9150

The objective of forage preservation is to prevent spoilage by the activity of microorganisms. Traditional preservation by drying will produce hay. This traditional method of preservation is dependent on many factors and can be markedly influenced by poor weather.

Silage is the feedstuff resulting from the preservation of forage by acidification. In the silo the plant material ferments, resulting in the production of lactic acid. Fermentation is the process of lactic acid bacteria changing plant sugars to acid. This fermentation of forage is anaerobic - ie. it occurs in the absence of oxygen.

The Ensiling Process

There are two main phases in the ensiling process. The first stage is aerobic - it takes place in the presence of oxygen. The green plant material is cut, chopped, and put in a silo (horizontal or vertical). Oxygen in the forage is used up by plant material by a process called respiration. Respiration produces heat and carbon dioxide. After the oxygen is used up, respiration ceases and the microorganisms requiring oxygen are inactivated. The plant cell walls then collapse and sap is released. The aim of the ensiling process is to reduce the duration of this stage as much as possible by rapid exclusion of air.

The second phase begins when all the available oxygen is used up through respiration and anaerobic bacteria (bacteria that grow in the absence of oxygen) begin to multiply rapidly and fermentation begins. Ideally, the microorganism that will predominate will be the lactobacilli species. This will produce lactic acid from the fermented plant material. The pH (level of acidity) of the silage will become more acidic until fermentation ceases after 3 to 4 weeks. The silage is so acidic that all microbial growth is inhibited.

If ensiling procedures are such that lactic acid producing bacteria are not favored, clostridial type microorganisms will grow. These organisms will produce butyric acid, and the quality of the silage is reduced if this type of fermentation predominates.

Putting Up Silage

Several factors are involved in controlling the ensiling process. These factors are moisture content; mechanical pretreatment; rapid filling, packing and sealing; and opening the silo.

Moisture content is the most important factor controlling the ensiling process. The ideal moisture content for silage is 60 to 65 percent. Wilting in the field is the easiest way to obtain the correct moisture for ensiling. Wilting will increase the sugar concentration of legumes and other crops that are difficult to ensile. At moisture levels greater than 70%, seepage and loss of nutrients will occur in tower silos greater than 30 feet in height. The high moisture level will encourage growth of undesirable clostridial organisms. At moisture levels lower than 60%, excessive heating is likely to occur unless an oxygen limiting silo is used. Overheating results in a dark-brown silage with a tobacco odor which is not a good feedstuff. As well as reducing the energy content of the silage, overheating leads to denaturation of proteins making them largely unavailable to the animal. Heating above 43°C reduces the digestibility of silage protein.

Chopping, cutting, and bruising all improve the possibilities of making good silage. This is a result of cell breakage which favors bacterial growth and the exclusion of air for good packing. Anaerobic conditions are quickly established and the temperature rise is limited. Also increased voluntary intake by cattle has been measured in silages in which the length of cut has been reduced.

Silos should be filled as quickly as possible. Packing is required to squeeze out entrapped air. Packing should not result in excessive delays in silo covering.

Oxygen can be used up within 5 hours when the silage is sealed immediately after filling, whereas it can take up to 90 hours to become anaerobic when sealing is delayed for 48 hours.

A second aerobic phase begins after the silo is opened and the silage is exposed to air. Aerobic microorganisms begin to grow and molds may appear at this time. High moisture silages are more prone to aerobic deterioration. Silages which are more resistant to aerobic deterioration at feeding are those in which the time of exposure to oxygen has been kept to a minimum by rapid filling and packing during the ensiling process.

Evaluation of Silage Quality

Ensiling forages does not improve their quality. The quality of the feed that is taken out of the silo can be no better than the quality of the feed that was put into the silo.

Silage quality can be judged by smell, texture and appearance. Table 1 outlines how these characteristics can be used to judge silage quality.

Table 1

Silage Quality Characteristics

Quality Characteristic	Odor	Taste	Texture	Color
Well fermented	pleasant, vinegar-like	sharp acid	firm	light green-yellow or green-brown (depends on the color of the material at time of ensiling)
Poorly fermented	strong, offensive like rancid butter	no definite taste, bland	slimy	blue-green or brown
Overheated	strong, burned sugar or tobacco like	-	dry	brown to black

By itself, visual appraisal will not provide accurate information on nutrient content of silage. Chemical analysis along with factors such as color, odor and general appearance provide a good indication of the expected overall nutrient value. It is extremely important that a representative sample of silage be obtained for quality determinations. Samples of forage for analysis should be taken as the silo is being filled. Twenty small subsamples should be taken and composited in a large plastic bag and then frozen to prevent moisture loss and spoilage. The sample should then be forwarded to a laboratory for analysis. The most important analyses obtained from these laboratories include dry matter, pH, crude protein, acid detergent fibre, calcium, phosphorus, and nitrate levels. If heat damage is suspected, it may be necessary to have an ADIN (acid detergent insoluble nitrogen) analysis done on the silage sample.

Feeding Silage

When growing or lactating animals are fed a forage based diet, the amount of forage consumed is important as this determines the nutrient intake of the animal. Once animals become accustomed to the taste of silage, they find it quite palatable. Animals should be introduced to silage gradually as this will reduce feed refusals and any accompanying

problems. The dry matter intake of ruminants on silage will not be the same as if fed a hay of the same quality. Consumption can be increased by reducing the length of chop of the forage. For good intakes, it is best to chop the forage into 1 inch lengths.

Because of silage's high moisture content, an animal will eat more silage than hay. In order to calculate the amount of silage to feed, it is important to know the moisture content. For example, if the silage is 65% moisture, it would take 2.6 lbs. of silage to replace 1 lb. of hay (assuming 10% moisture in the hay) of equal quality.

Feeding Silage to Sheep

Sheep should be allowed to develop a taste for silage. It is best to introduce silage gradually into their diet. Silage is a satisfactory roughage for growing lambs when supplemented with grain, protein, minerals and vitamins.

Silage can be used to provide the only source of roughage to mature ewes. Care must be taken to ensure adequate intake of nutrients in pregnant ewes. If the ewe is pregnant with twins or triplets, she may not be able to consume enough silage to meet her needs and this may predispose her to pregnancy toxemia. For these ewes, silage or hay should be supplemented with grain.

A trial was conducted at Fairview College in the mid 1970's to compare feeding grain silage to hay in 200 ewes during the period of October to February (lambing). The silage fed ewes received 12 lbs. of silage per head per day. The silage was 28-30% dry matter. The hay fed ewes received 4 lbs. per head per day. The results of this trial were: (1) the silage fed ewes weighed about 4 lbs. more per head than the hay fed ewes, (2) both groups had the same lamb birth weights, (3) no *Listeria* was evident in the silage following weekly testing for the organism, and (4) there were no soft pulpy lambs from silage. This trial shows that a high quality silage is an excellent feedstuff for productive sheep.

Listeriosis is a disease caused by the organism Listeria monocytogenes. In sheep this disease is known as circling disease. Symptoms of the disease include incoordination, fever, lack of appetite, blindness, excess salivation, and paralysis of the jaw. The organism is present on the plant material that is to be ensiled and grows if the silage pH is above 4.2. Therefore, if the silage is poorly fermented and has a high pH or has spoiled before feeding, it may be best not to feed it to sheep.

EXAMPLE RATIONS FOR A 154 LB. EWE BASED ON HAY OR SILAGE

154 lb. Ewe Maintenance

Grass Hay	3.5	Barley Silage	7.0
18:18 Mineral	.02	18:18 Mineral	.02
TM Salt	.02	TM Salt	.02
Vitamin ADE	.5 gm	Vitamin ADE	.5 gm
	<u>3.54 lb.</u>		<u>7.04 lb.</u>

154 lb. Ewe Flushing/Breeding

Grass Hay	3.0	Barley Silage	8.0
Barley	1.5	Barley	1.0
18:18 Mineral	.01	18:18 Mineral	.01
Limestone	.01	Limestone	.015
TM Salt	.02	TM Salt	.02
Vitamin ADE	1.0 gm	Vitamin ADE	1.0 gm
	<u>4.54 lb.</u>		<u>9.04 lb.</u>

154 lb. Ewe Gestation 1-15 wk.

Grass Hay	4.0	Barley Silage	8.0
18:18 Mineral	.02	18:18 Mineral	.02
TM Salt	.02	TM Salt	.02
Vitamin ADE	.5 gm	Vitamin ADE	.5 gm
	<u>4.04 lb.</u>		<u>8.04 lb.</u>

154 lb. Ewe Gestation last 6 wk.

Grass Hay	3.0	Barley Silage	7.0
Barley	1.75	Barley	1.5
18:18 Mineral	.01	18:18 Mineral	.01
Limestone	.015	Limestone	.02
TM Salt	.02	TM Salt	.02
Vitamin ADE	1.0 gm	Vitamin ADE	1.0 gm
	<u>4.79 lb.</u>		<u>8.6 lb.</u>

These rations are based on average Alberta values for grass hay, barley silage, and barley grain. The silage has a moisture content of 60.5% and the grass hay 11.2%. The totalled amount of feed for each ration is expressed on an as fed basis.

Conclusion

The nutrient content of a silage governs the amount of supplementation needed when feeding sheep. The nutrient content of the silage is determined by the starting plant material and management skills in making silage. The quality of the feed that is taken out of the silo can be no better than the quality of the feed that was put into the silo. Weathering and leaf loss which can be encountered during haying can be avoided by making silage. It is possible to conserve more nutrients with silage compared to hay. Silage making can be considered as an alternate method of forage preservation.

- The author acknowledges information provided by R. Corbett, Nutrition Section, Alberta Agriculture.

ALBERTA SHEEP & WOOL COMMISSION

24 HOUR MARKET LINE

1-291-9884

THE MARKET LINE PROVIDES LAMB PRICES ON THE FOLLOWING
MARKETS:

- LAMBCO - INNISFAIL
- NORTH CENTRAL SHEEP SALES - EDMONTON
- LAMBLAND FEEDERS - LACOMBE
- ONTARIO STOCKYARDS - TORONTO
- U.S. NORTHWEST AREA
- U.S. MOUNTAIN AREA
- U.S. NORTH CENTRAL AREA
- FURF MACLEOD AUCTION MART



LAMBS in LACOMBE

Sept. 19, 1987



Can you really tell which sheep is the best just by looking at them? Well, no.

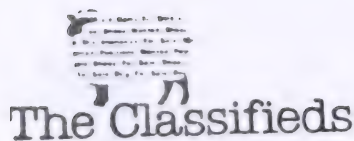
But at the LAMBS IN LACOMBE sale you can look at the sheep and at their performance information - type of birth, weight gains, etc.

In addition to having performance information, all of the ewe lambs at this sale will be:

- 100 lb or more on sale day
- recently sheared so you can see the sheep
- individually inspected by a veterinarian
and a culling committee of Alberta
Agriculture sheep technicians
- treated for sheep keds
- vaccinated for Enzootic Abortion and
Vibriosis

The 120 head of quality ewe lambs entered in this year's sale include:

- Finn - Rambouillets*
- Finn - Suffolks*
- Suffolk X Finn Rambouillets*
- Finn - Dorset X Suffolks*
- Clun Forest X Suffolks*
- Commercial Suffolks*



FOR SALE - SHEEP

3 PUREBRED Border Leicester ram lambs and 1 black ram lamb (3/4 Border Leicester). Call Doreen McLean, Niton Junction, 795-2140 (9)

TOP QUALITY ROP tested Suffolk ram lambs. Order now to avoid disappointment. Call Dennis, Wild & Wooly Sheep Enterprise, Red Water, 942-4537 (9)

BLACK RAM, 3/4 horned Dorset, 1/4 Suffolk. Black ram lamb, Dorset/Lincoln cross. Brown ram lamb, Dorset/Corriedale cross. \$100 each. Call Ray Rink, Stony Plain 963-3058 or 963-4343 (9)

COMMERCIAL EWES and ewe lambs available. Lamata Farms. Call 270-7888 (Calgary) or 637-2557 (Cremona) (9)

35 DORSET & Suffolk ewe lambs. February born. All twins \$120.00 Contact Jack or Wendy Janssen, Chipman, 363-2190 (9)

ewe LAMB. 3/4 Rambouillet, 1/4 Finn, For-Bar Farms, Barnwell, phone 223-8324 (9)

BLACK LINCOLN yearling ewe (American registration, Canadian pending). Placed 2nd in Junior Ewe Lamb Class at 1986 World Sheep & Wool Congress International Show. Contact Gail Skrepnyk, Fort Saskatchewan, 895-2760 (9)

APRIL BORN ewe lambs. Mostly Rambouillet and Suffolk. Crossbred ram lambs. Wormed and vaccinated regularly, minimal disease flock. ROP tested. Deb & Ian Clark, Medicine Ridge Farm, Bentley, phone 748-2624 (9)

200 RAMBOUILLET ewe lambs in October. 125 Finn Rambouillet Suffolk cross ewe lambs in late October. Clay Chattaway, phone 646-5886 or Sten Lundberg, phone 646-5465, Nanton (9)

REGISTERED POLYPAY RAM, 1 1/2 years old. Triplet. Parents USSES imports. Polypay ewe lambs with him. Anthony Schlee, Calgary, phone 936-5690 after 8 PM (9)

20 SUFFOLK X ewe lambs. April born. Contact John Howard, Didsbury, 335-9155 (9)

COLORED EWE lambs. Born March-April. Approximately 100 lb. Some Romney, also a few white ones. \$125 each. Contact Emil Dietrich, Cherhill, 785-2786 (9)

2 PUREBRED North County Cheviot ram lambs. Born mid-April. Triplets. Also 1 ram born March '86. Contact Jim & Susan Lega, Waskatenau, 358-2508 (9)

BY BRIGHTBANK Finnsheep. Registered Finn sheep. Ram lambs and yearlings. Top quality sheep with production records from a disease-free flock. Also Finn/Suffolk and Finn/Columbia ram lambs. For information or to arrange visit call Kathy Playdon, Stony Plain, 963-0416 (10)

JANUARY '87 ram lambs. All on R.O.P. Twins and triplets. Dee Raven Farms Ltd., phone 973-6979 (10)

1 CLUN Forest ram lamb. Don Spicer, Cochrane, phone 932-4262 or 262-5717 (10)

3 DORSET Corriedale cross ewe lambs. Three Dorset Corriedale ram lambs. Take your choice. Lyle Guigley, Cremona, phone 637-2585 (10)

1 SUFFOLK ram lamb - Reserve Champion at Grande Prairie fair - \$250. 1 yearling Dorset ram - Grand Champion 1987 at Grande Prairie fair - \$300. Call Susan Emery, Riverbend Ranch, Barrhead, 674-4743 after 7 PM (10)

3 DORSET ram lambs. Sired by World Congress rams. Raised in a disease-free flock. All have above average gains on 90-day home test (108-114). Canadian registered. Call Pete McCart, Windhover Farms, Spruce View, 728-3035 (10)

1 SUFFOLK ram lamb. Twin. Registered. Trentham breeding. Call E. Gilmar, Calgary, 285-9804 (10)

20 REGISTERED Suffolk ewe lambs. ROP tested. Fowler & Crooked Post breeding. Wenlock Farms, Red Deer, phone 343-1361 (10)

FLOCK DISPERSAL. 30 Finn X Rambouillet ewes, ewe lambs, Polypay ram. Contact Ron VanderLeest, Barrhead, 785-2453 (9)

.....
TRIPLLET RAM Lamb - 1/2 Suffolk, 1/2 Finn. Ram Lamb - 1/2 Targhee, 1/4 Suffolk, 1/4 Finn. Prolific, good wool, fast growing, easy lambing and good for crossbreeding. Contact Donna Hawley, Legal, 961-3688 (9)

.....
CORRIEDALE RAM. Contact Gail Snellen, Leduc, 986-0758 (9)

.....
2 & 3 year old Suffolk ewes and April born ewe lambs. Also registered Angora goats, doe and buck combinations. Registered Angora bucks, 1-3 years old. Contact Mary or Chris Clennell, Stony Plain, 963-4450 (9)

.....
9 YEARLING Rambouillet ewes - \$125. 13 Rambouillet ewe lambs - \$100. Lincoln ewe, white - \$150. Karakul/Lincoln ewe, brown - \$150. Rambouillet ram, 5 yrs old, polled - \$150. 2 Lincoln ewe lambs, 1 white, 1 brown. Sire colored Registered purebred - \$175. 2 Lincoln Karakul cross lambs, born triplets. One white female \$175. One brown male - \$200. Sire colored Registered Lincoln. Call Michael Harvey, Sherwood Park, 467-1127 (9)

.....
REGISTERED Suffolk ram lambs - \$200 each. Contact Doug Olchoway, Thorhild, 398-2305 (9)

.....
ROMANOV X Suffolk, Romanov X Cheviot ram lambs born April '87. Contact Ongaria Sheep, Whitecourt, 778-5728 (9)

.....
4 YEAR old Corriedale purebred ram. Born a triplet. Contact Evangeline Fluet, Cherhill, 785-2003 (9)

.....
3 YEAR old Registered Targhee ram. Sandy Lanctot, Legal, phone 961-3780 or 961-3688 (9)

.....
100-150 Suffolk ewes. 25 North Country Cheviots. 4-6 yrs old. Price negotiable depending on how many. Records available. Contact Allan Potter, Onoway, 967-5171 (9)

.....
12 SUFFOLK and Suffolk/Finn ewe lambs born last week of April '87. (Kure bloodlines). Clean flock all wormed and vaccinated. Contact Rick Chasse, Spruce View, 728-3362 after 6 PM (9)

50 EWE Lambs. Finn/Rambouillet/Suffolk crosses. Also Finn/Rambouillet/Polypay crosses. Spring born lambs available in October. Bob Winchell, Barrhead, phone 674-3540 after 6 PM (10)

.....
60 3-5 YEAR old Suffolk breeding ewes. 110 cross white-faced breeding ewes. Contact Cal Mitchell, Edmonton, 470-0478 (10)

FOR SALE - GOATS

.....
2 PUREBRED Nubian doelings. Born in January - \$135 each. Purebred LaMancha milking doe - \$135 and purebred LaMancha doeling - \$125. Also Angora goats approx. 70 head. Will split in groups of 10 or more. Reasonable. Contact Linda, Hay Lakes, 878-3784 (9)

.....
1 ANGORA goat wether, two years old. Asking \$125. Contact Dorothy Marshall, Edberg, 877-2649 (9)

.....
CGS REGISTERED Nubian bucks from show-winning stock, \$300. CGS recorded LaMancha does and doe kids, bred to star buck after Sept - \$200. 1 CGS Registered LaMancha buck - \$300. Contact John or Joanne Bengier, Nurabian Farm, Drayton Valley, 727-2491 (9)

.....
PUREBRED & grade Alpine Nubian milking does. Doe kids and meat goats. Purebred Alpine buck from top doe, 3 yrs old. Purebred Nubian buck from 'Star Milker'. Contact Vera Wagar, Sylvan Lake, 887-5649 (10)

.....
PUREBRED SAANEN buck. A powerful, correct young buck with lots of bone, width and depth. His mother was first place milking yearling, Regina, July '86 - \$300. Also several purebred Saanen does out of quality stock. Achor Valley Saanens, Estevan, Saskatchewan (306) 634-7701 (10)

.....
REGISTERED ALPINE buck. Classified VG88 at 5 yrs. - \$275. Registered Alpine dry yearling doe - \$100. Registered Alpine doe kid, born March '87 - \$125. Registered Toggenburg doe with March born doe kid - \$250 pair. Recorded Nubian doe kid - \$50. Contact Titan Alpines, St. Paul, 645-2477 (10)

.....
PUREBRED NUBIAN and Alpine dairy goats. Productive and healthy herd. Some does freshening in January. From \$150. Buck kids by reservation. Contact Windyhill Dairy Goats, Cochrane, 932-3732 (10)

FOR SALE - DOGS

REGISTERED KOMONDOR puppies from top quality working parents and show bloodlines. Priced from \$400. Also breed information. Windyhill Farm, Cheryl Prokopowich, Cochrane, 932-3732 (10)

CKC REGISTERED white toy poodle and red Doberman puppies. Tattooed. Contact John & Joanne Benger, Drayton Valley, 727-2491 (9)

2 - 16 WEEK old Border Collie puppies. Showing lots of enthusiasm and working ability. Contact Ian & Deb Clark, Medicine Ridge Farm, Bentley, 748-2624 (9)

AUSTRALIAN SHEPHERD pups. Registered. Born June 2/87. Tri-colored males. Shots and tattooed. From working and show stock. Pedigrees provided - \$200. Guaranteed. Contact Lynn Langlois, Tangent, 359-2146 (9)

FOR SALE OR TRADE

1 SUFFOLK ram and 1 Corriedale/Suffolk ram for another Suffolk ram. Contact Mary Jensen, Battle Lake, 586-3523 (9)

SWAP ONE Dodge 1965 600 series 3 Ton truck with grain box and hoist, running order, for young Suffolk ewes. Contact Greg, 754-2181 (10)

FOR SALE - MISCELLANEOUS

SHEEP FARM. 46 acres with page wire fence. Excellent facilities. Smaller newer house. 35 minutes from Edmonton right on Highway. With good downpayment will consider carrying mortgage. Contact Linda, Hay Lakes, 878-3784 (9)

40 ACRES near Tofield. Cleared, fenced and cross-fenced. 1800 sq. ft. house, workshop and out-buildings. Ideal for sheep. Contact Maureen Bauman 662-2799 after 6 PM (9)

FOR RENT/LEASE OR SALE - 80 acre sheep farm. 20 miles south-east of Edmonton on Hwy 14. 3 bedroom house, 3 car garage. 16 x 32 inground swimming pool. Heated lambing barn with washing facilities. 40 x 60 hay barn, several granaries, corrals and waterers. \$800/month or \$135,000. Terms can be arranged. Contact Dennis Fenske, 662-2011 (10)

WANTED - SHEEP

LARGE FLOCK of sheep. Preferably Finn X Suffolk crosses. Call Kees Dettter, Lavoy, 658-2449 (9)

LARGE FLOCK of commercial ewes or ewe lambs. Contact Warren Moore, Lousana, 749-2280 (10)

SOUND EWES. Preferably Suffolk. Contact Susan Grant, Standard, 644-2448 (9)

1 REGISTERED Suffolk ram. 1-2 years old. 1 breeding ram harness. Cotact W. Starling, Drayton Valley, 542-2548 (9)

WANTED - MISCELLANEOUS

1 SHEEP squeeze, tipping table and sheep scale. Contact Rena or Brian Waite, Killam, 385-2335 (9)

HELP AVAILABLE

EXPERIENCED HELP available during lambing. Contact Angela Thibault, Wetaskiwin, 352-1659 (10)

WILL MANAGE sheep on custom care basis. Contact Warren Moore, Lousana, 749-2280 (10)

SERVICES

SHEEP'S WOOL - washed, carded and in batts. Ready to make into a soft warm comforter for the coming months - \$8/lb. Contact J. Friesen, Ardrossan, 922-2963 (10)

ALBERTA GOAT Breeders Association publishes SLANT bi-monthly and has something to offer you, whether you raise commercial or purebreds, one doe or 100. Send for your free introductory copy today. Slant, Box 789, Cochrane, TOL OWO (10)

WOOLACOMBE CUSTOM Services. We can process your wool or mohair for 1 lb and up. Each fleece is dealt with individually and after washing, is dried naturally to preserve the softness and spring of the wool. Our batts are 36" x 16" and are excellent for spinning, quilting, felting and many other craft purposes. We can also blend your dyed or natural coloured wool or mohair. Contact Shirley Wilkinson, 51109 Range Road 205, Sherwood Park, phone 662-2007 (9)

CUSTOM WOOLEN Mills - Your complete processing facility. Full range of custom services, including washing of wool and other fibres, dyeing, carding, twisting, spinning, and custom sewing. Ask about our Sheep & Wool Marketing Kit. For more information, please contact Custom Woolen Mills Ltd., R R #1, Carstairs, Alta TOM ONO, phone 337-2221 (9)
"NO ORDER TOO LARGE OR TOO SMALL"
.....

Fashion? Baa-a-a!

"The 'Shepherdess Look' for Spring," said the caption in the glossy magazine propped up on the kitchen table. I gazed at the model clad in pure-white frilled *broderie anglaise* petticoat, dainty white-satin shoes and shady straw hat; makeup by Revlon, perfume by Diorissimo. I was left wondering idly whether to send along to the editor a picture of the outfit worn by this particular shepherdess.

It usually comprises: Wellies (rubber boots two sizes too big - to allow for three pairs of woolly socks), long johns under moleskin trousers, two thin sweaters topped by my brother's old school cricketing pullover (this gets bigger with each wash; it passed my knees years ago and is now heading for my ankles); an oiled-canvas jacket with "poachers pockets" for carrying orphan lambs, a piece of sacking tied around the hips (invaluable when lying full length in the snow to lamb a ewe). A knitted balaclava helmet then covers the rest of me apart from nose and eyes, and the whole lot is topped by a fur cap. Makeup by Nivea; and for perfume there is a lingering indefinable scent which has clung to the cuffs of the jacket ever since I had to untangle twin lambs that had been dead *in utero* for about ten days. - Jennifer Rees in *New Scientist*





EDITOR'S NOTE

Classified Ads and Coming Events may be placed in Sheep Footnotes free-of-charge by contacting:

*Janet Smalley
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
T6H 5T6*

*Karren Green
Sheep Specialist
Bag Service #1
Airdrie, Alberta
TOM OBO*

Ph: (403) 427-5077

Ph: (403) 948-8515

The deadline for Classified Ads and Coming Events is the last day of the month prior to the month of publication.

Coming Events will be run every month from when they are placed until the event. Please Note: Events should be placed in Coming Events at least 6 weeks in advance in order to ensure their publication before they occur.

Classified Ads will run initially for two months, unless cancelled after the first month. After the first two months, ads may be renewed each month by contacting Janet Smalley at 427-5077. Ads must not exceed two column inches in length or they will be edited. Full page ads and half page ads will be run for one month. If you want your full page ad condensed into a Classified Ad for the next two months, please indicate this when you send in the ad. Sheep Footnotes reserves the right to restrict the length, content and run of any Classified Ad.

EDITORS OF OTHER PUBLICATIONS

Material in Sheep Footnotes may be reprinted in other publications, but source must be stated and content of articles may not be changed without authors' permission.



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sheep footnotes



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Editor: Cathy Gullivan
 Sheep Specialist
 Beef Cattle & Sheep Branch
 Bag Service #1
 Airdrie, Alberta
 948-8517

Advertising: Janet Smalley
 Beef Cattle & Sheep Branch
 7000 - 113 Street
 Edmonton, Alberta
 427-5077

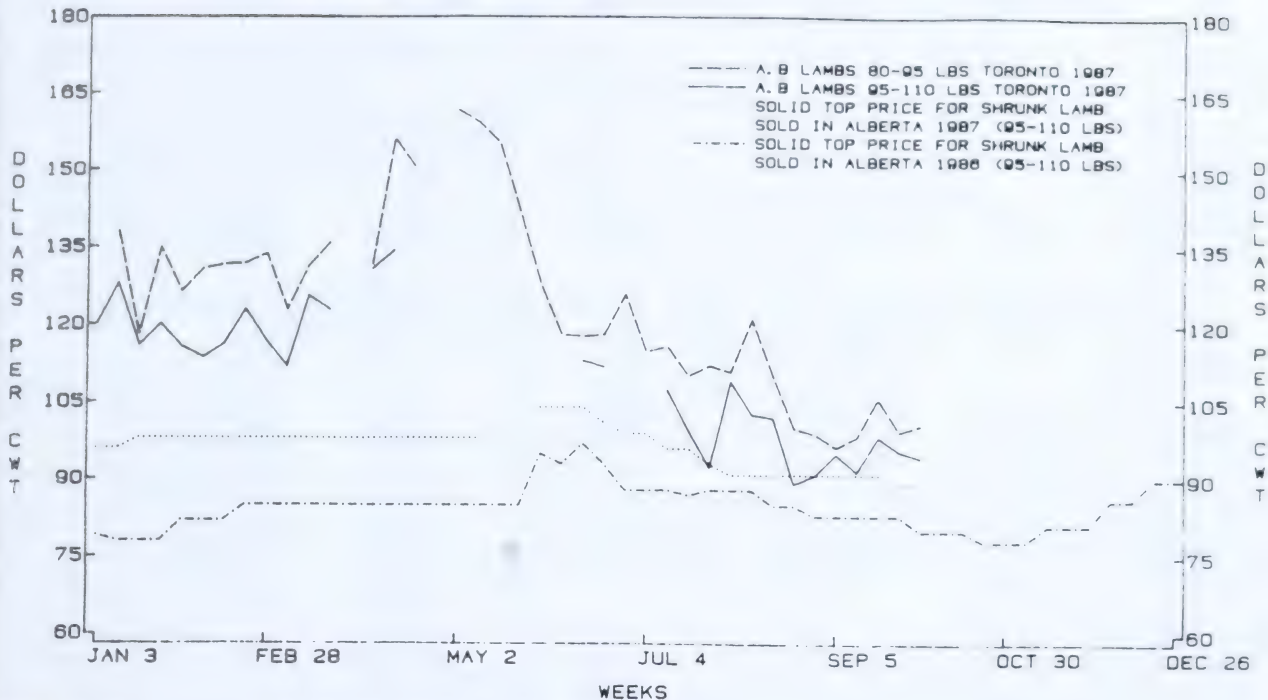


Animal Industry Division
Beef and Sheep Branch

STATE OF NEW YORK
IN SENATE
January 11, 1911.

REPORT
OF THE
COMMISSIONERS OF THE LAND OFFICE
IN RESPONSE TO A RESOLUTION PASSED BY THE SENATE
MAY 11, 1909.

WEEKLY AVERAGE SLAUGHTER LAMB PRICES



NOTE: NO OR INSUFFICIENT SALES FOR CERTAIN WEEKS IN TORONTO

Alberta slaughter lamb prices remained steady to August prices until the fourth week of September, when Lambco bid prices dropped \$2.00-\$3.00 per cwt. There was a good run of slaughter lambs at Edmonton Public Stockyards in the final week of September, but bidding was selective, and, at \$78.25-\$87.50 per cwt, several cents below the Lambco bid range. The seasonality of lamb marketings suggests that prices will drop further to the 1987 low during October, and then slowly recover towards the end of the year. Nonetheless, it appears prices will remain at least \$5.00 per cwt above 1986 levels for the same period. Slaughter volume for September was 7,578 lambs, down 24 percent from one year ago.

Statistics Canada June 3, 1987 census data provides evidence that Canadian sheep producers are building their herds in response to favorable prices. The number of lambs retained for breeding purposes was up from 1986 levels across the nation. In Alberta, there was a seven percent increase in number of lambs retained for breeding for 1987 as compared to 1986. This is confirmed by the lower slaughter volumes reported this fall.

The market for feeder lambs remains strong throughout the province. However, by date of publication major feedlots will be nearing capacity, and therefore feeder demand may slacken somewhat.

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT LAMBCO

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON						
SEP 1987	88.00-91.00	88.00-91.00	88.00-91.00	86.00-89.00	86.00-89.00	87.20-90.20
LAST MON						
AUG 1987	88.00-91.00	88.00-91.00	88.00-91.00	88.00-91.00	88.00-91.00	88.00-91.00
YR AGO MON						
SEP 1986	80.00-83.00	80.00-83.00	80.00-83.00	80.00-83.00	77.00-80.00	79.40-82.40
VOLUMES						
SEP 1987	1,512	1,431	1,438	1,747	1,450	7,578
SEP 1986	1,248	1,696	1,782	1,990	3,226	9,942

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT TORONTO PUBLIC STOCKYARDS
(With Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	90.00-98.00	88.00-101.00	95.00-102.00	90.00-103.00	90.00-100.00	
SEP 1987	(94.97)	(91.65)	(98.27)	(95.50)	(94.23)	94.92
LAST MON	105.00-113.00	96.00-118.00	98.00-107.00	85.00-96.00	80.00-108.00	
AUG 1987	(109.10)	(102.67)	(102.01)	(89.21)	(90.93)	96.62
YR AGO MON	85.00-99.00	96.00-106.00	90.00-98.00	92.00-100.00	90.00-101.00	
SEP 1986	(89.90)	(102.63)	(94.50)	(95.57)	(97.67)	96.11
SEP/87 VOLUMES	53	36	210	116	112	527
AVERAGE WEIGHT	102.4 lb	100.7 lb	102.5 lb	98.7 lb	100.0 lb	100.9 lb

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 80-95 LBS TORONTO PUBLIC STOCKYARDS
(Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	90.00-110.00	90.00-104.00	96.00-114.00	92.00-116.00	95.00-110.00	
SEP 1987	(96.25)	(98.36)	(105.84)	(99.29)	(100.58)	100.06
LAST MON	105.00-120.00	116.00-126.00	105.00-118.00	99.00-109.00	90.00-108.00	
AUG 1987	(110.92)	(121.13)	(110.26)	(100.03)	(98.86)	108.13
YR AGO MON	85.00-99.00	91.00-105.00	90.00-103.00	95.00-106.00	94.00-109.00	
SEP 1986	(97.09)	(99.36)	(96.90)	(100.96)	(101.59)	99.16
SEP/87 VOLUMES	397	249	280	125	184	1,235
AVERAGE WEIGHT	86.0 lb	86.2 lb	85.9 lb	87.5 lb	87.3 lb	86.6 lb

Prices quoted for 95-110 lb lambs are bid prices at Lambco and auction prices at Toronto Public Stockyards for good quality lambs. The lower end of the Alberta price range reflects bids for short haul or unshrunk lambs while the upper end of the range represents bids for long haul or shrunk lambs. Producers delivering to the Toronto Public Stockyards pay commission and yardage fees for each animal sold. Producers delivering to Lambco pay \$1/head checkoff to the Alberta Sheep and Wool Commission.

The Toronto auction price is from the Special Sheep and Lamb Sale held on Monday each week.

N.E.P. - No established price

Ron Gietz, Market Economist
Market Analysis Branch
Phone: (403) 427-4002
October 6, 1987

MARKET

*** REPRESENTATIVE LIVE SALES ***
SEPTEMBER 18, 1987

AREA	TYPE OF SHEEP	TYPE OF SALE	NUMBER	WEIGHT	WEIGHING CONDITIONS	PRICE (\$/cwt)
SOUTHWEST						
California	Spring	Auction	150	95-135	Choice & prime, woolled & shorn	68.00- 73.50
California	Feedlot	Direct	1,000	115-135	Choice & prime, shorn, delivered	71.00- 73.00
California	Feeder	Auction	200	55-75	Choice & fancy, woolled	78.25- 84.00
California	Feeder	Auction	200	75-105	Choice & fancy, woolled	72.60- 77.00
California	Sl. Ewe	Auction	150		Utility & good	27.00- 30.00
MOUNTAIN						
Colorado	Spring	Auction	239	69	Choice & prime, woolled	98.50
Colorado	Spring	Auction	600	70- 80	Choice & prime, woolled	87.00- 96.00
Colorado	Spring	Auction	800	90-100	Choice & prime, woolled	84.00- 89.00
Colorado	Spring	Auction	600	105-115	Choice & prime, woolled	74.00- 82.00
Montana	Feeder	Auction	800	70- 80	Choice & fancy, woolled	88.00- 96.00
Montana	Feeder	Auction	1,500	80- 90	Choice & fanc , woolled	80.00- 90.00
Montana	Feeder	Auction	700	90-100	Choice & fancy, woolled	71.00- 74.00
Wyoming	Stock Ewe	Direct	350		Short term (per hd.)	60.00
SOUTH CENTRAL						
Texas	Feedlot	Direct	4,500	95-125	Guarantee 51% yield, shorn	70.00- 72.50
Texas	Feeder	Auction	2,000	50- 60	Choice & fancy, woolled	105.00-115.00
Texas	Feeder	Auction	3,000	60- 70	Choice & fancy, woolled	98.00-110.00
Texas	Feeder	Auction	3,000	70- 85	Choice & fancy, woolled	93.00-102.00
Texas	Feeder	Auction	2,000	90+	Choice & fancy, woolled	78.00- 85.00
Texas	Stock Ewe	Direct	400		Yearlings (per hd.)	110.00
NORTH CENTRAL						
N. Dakota	Spring	Computer	400	105-125	\$2 woolled & buck discount, 3% shrink	71.00
Wisconsin	Spring	Computer	1,200	100-120	\$2 woolled & buck discount, 3% shrink	70.75- 71.00
Iowa-Minn.	Spring	Computer	400	105-130	\$2 woolled & buck discount, 3% shrink	73.00
Iowa-S. Minn.	Spring	Direct	3,675	100-130	\$2 woolled discount, FOB 4% shrink	70.00- 71.00
Minnesota	Spring	Auction	1,350	100-125	Choice & prime, \$2 woolled & buck disc.	68.00- 70.00
S. Dakota	Spring	Auction	1,000	105-125	Choice & prime, woolled & shorn	69.00- 74.00
S. Dakota	Spring	Auction	500	126-140	Choice & prime, woolled & shorn	67.10- 71.00
S. Dakota	Feeder	Auction	1,000	40- 50	Choice & fancy, woolled	103.00-112.00
S. Dakota	Feeder	Auction	2,000	50- 60	Choice & fancy, woolled	101.00-114.00
S. Dakota	Feeder	Auction	2,500	60- 70	Choice & fancy, woolled	100.00-109.00
S. Dakota	Feeder	Auction	3,500	70- 80	Choice & fancy, woolled	90.00- 99.00
S. Dakota	Feeder	Auction	2,000	80- 90	Choice & fancy, woolled	86.00- 96.00
S. Dakota	Feeder	Auction	1,500	90-100	Choice & fancy, woolled	74.00- 82.00
S. Dakota	Stock Ewe	Auction	2,000		Yearlings (per hd.)	118.00-132.00
S. Dakota	Stock Ewe	Auction	1,500		2 years old, solid (per hd.)	90.00- 95.00
S. Dakota	Stock Ewe	Auction	4,000		Solid mouth (per hd.)	80.00- 91.50
S. Dakota	Stock Ewe	Auction	4,000		Short solid (per hd.)	50.00- 75.00
S. Dakota	Stock Ewe	Auction	2,000	60- 80	Ewe lambs	100.00-112.00
EASTERN						
Virginia	Spring	Computer	561	95-125	Choice & prime, \$2 woolled discount	71.00- 72.00

*** LAMB & MUTTON IMPORTS JANUARY - JULY 1987 VS. 1986 ***

MUTTON FRESH	QUANTITY	% CHANGE
CHILLED OR FROZEN		
AUSTRALIA	5,966,041	+ 92
CANADA	20,163	+100
NEW ZEALAND	100,856	- 89
TOTAL	6,087,060	+ 52
LAMB FRESH		
CHILLED OR FROZEN		
AUSTRALIA	13,133,979	+ 59
CANADA	52,212	+ 99
ICELAND	15,609	+100
JAPAN	9,465	+ 9
NEW ZEALAND	3,646,952	- 64
TOTAL	16,858,217	- 1
LAMB OR MUTTON PREPARED OR PRESERVED		
AUSTRALIA	421,781	+ 44
CANADA	51,554	+100
NEW ZEALAND	29,328	+ 12
TOTAL	502,363	+ 55

*** WOOL UPDATE ***

Prices in South Africa this week were 5 percent higher for 24 micron fleeces with 25 microns 2 percent higher. 23 micron was unchanged, while 22 micron fleeces were 1 percent lower, locks were 2 percent lower, bellies 3.5 percent lower and 21 micron fleeces and lambs up to 6 percent lower. Percentages are compared with figures from last week's sale. A total of 11,850 bales of Merino, Crossbred and Coarse and Colored wool was offered of which 96 percent was sold. 688 bales of Transkei was offered 95 percent of which was sold. Overall in Australia this week the market continued to decline. Exceptions to this were in the 25 to 28 micron categories which were up 3A, 11A, 9A and 12A cents. The market indicator was down 28A cents per kilo clean. A total of 156,900 bales were offered in three sales in Melbourne, Brisbane and Freemantle, 90 percent of which were sold. The Australian Wool Corporation Stocks stand at 250,399 tons.

T I M E I S R U N N I N G O U T !

*TRADE SHOW
AT THE
1987 ALBERTA SHEEP SYMPOSIUM*

*November 19-21, 1987
Banff Springs Hotel*

Only a few spaces left for a booth at the 1987 Alberta Sheep Symposium. Your space will be reserved when your cheque is received. Make cheques payable to the Alberta Sheep Breeders Association and mail to Susan Hosford, Box 97, Edberg, Alberta, T0B 1J0, phone 877-2226.

*Cost - 8 ft Booth - \$ 50.00
 16 ft Booth - \$ 75.00*

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Ross Gould, Head of the Animal Management Section of the Beef Cattle and Sheep Branch, has announced the appointment of Wray Whitmore to the position of Sheep Specialist with Alberta Agriculture. This appointment is effective October 15, 1987. Wray will be based in the Edmonton office and can be reached by phone at 427-5077.

Wray graduated from the University of Alberta in 1979 with a B.Sc. majoring in Animal Science. He worked for the Department of Animal Science for 3½ years before returning to the University for further studies. His work with the Department of Animal Science included the care of all of the animals on test in various research trials at the University farm. This included the routine daily care of all of the sheep in research trials.

Prior to his appointment, Wray was a Ruminant Nutritionist with Alberta Agriculture. In this role he has taken an active interest in sheep nutrition. Since joining the staff of the Nutrition Section in October of 1986 he has been the primary consultant for sheep producers requesting information on flock nutrition and diet formulation.

As Sheep Specialist for northern Alberta, Wray will assist sheep producers with all aspects of sheep production. He will also be responsible for coordinating the Sheep Record of Performance Home Test Program for the province.


Coming Events

1987

October 29

North-Central Sheep Sales. Fat and Feeder Lambs. Ewe Sale also indicated. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

October 30

Sheep Shearing School in conjunction with Sheeparama in Lethbridge. 7-10 P.M. Entries \$30.00. Contact Les Toth, Canadian Cooperative Wool Growers, Lethbridge.

October 31

Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOR 1W0, phone 878-3784.

November 5 - 7

Farmfair '87. For further information telephone 471-7210.

November 12

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

November 19-21

1987 Sheep Symposium, Banff Springs Hotel. Don't forget the registration deadline of November 1. Contact Cathy Gallivan, 948-8517, Airdrie for more information.

November 26

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

November 28

Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.

December 10

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

December 12

Alberta Sheep Breeders' Association Annual Meeting December 12, 1987 at Olds College.

BLINDMAN VALLEY SHEEP PRODUCERS ASSOCIATION

THE BLINDMAN VALLEY SHEEP PRODUCERS ASSOCIATION wishes to thank every one of you who contributed to the success of LAMBS IN LACOMBE this year. It was a joy to see the co-operation between all the different areas of our industry. It was good to be able to show the public how versatile our product is and how much we enjoy it - whether it be working the dogs, shearing the sheep, using the wool, or eating it!

The turnout of over 2000 people attested to its success; the good prices received for the excellent commercial ewe lambs in the sale indicated overwhelming support for carefully selected ROP animals. But what cannot be gauged by mere statistics is the atmosphere of fun and sheer pleasure demonstrated by children sitting in rapt attention while their faces were painted by the clowns, families standing in groups watching in fascination as the sheep were shorn or the wool spun or woven, and people browsing at leisure around the handcrafted wares. The addition of a breeds display this year was well worth the effort involved, and the stock dog trials bleachers were full the entire day.

Of course the weather had a lot to do with this sense of enjoyment - one can hardly fail with a backdrop of blue skies and hot sunshine, but the Steering Committee of Lambs in Lacombe is also aware that only the extremely hard work of the coordinators and helpers, as well as the faith shown by our financial sponsors and prize givers are equally as vital in pulling together this fair. We thank you all so much and hope that you too had a special day to remember.

*** ** * ** ***

ATTENTION
WOOL PRODUCERS

Most of the wool produced in Alberta and the other Western provinces is marketed to world buyers.

Would you as a producer of wool be interested in supporting an up to date commercial wool processing plant located in the Western provinces to process your raw wool into a finished marketable product?

Many man hours went into research in the past year and all indications are that such a plant is viable.

This processing plant will come about in the very near future, but your ideas, opinions and suggestions would be of great value and help to make the plans a reality. Lets hear from you!

In addition to the above, would you be in a interested in supporting the plant as a Shareholder?

Your answers are being anxiously awaited. Please send replies to:

Pilgrim
5802 - 44 Avenue
Red Deer, Alberta
T4N 3J5

SHEEP PRODUCERS!
SUBSCRIBE NOW
TO
“THE WESTERN SHEEP & WOOL
PRODUCER MAGAZINE”

If you are in the sheep business, you need to know the latest news that may affect your operation. Decisions are constantly being made by governments, both domestic and abroad, and by your commissions and associations. Keep up with these decisions by subscribing to "The Western Sheep & Wool Producer Magazine", the sheep news magazine of Western Canada, published quarterly by The Alberta Sheep & Wool Commission.



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Order Today!

S H E E P P R O D U C E R S !

Wouldn't you like to get rid of those last few tail-enders in your feedlot? We may be able to help! A number of lambs are required for the lamb carcass research at the Agriculture Canada Research Station in Lacombe. We need: January - February born lambs which will weigh 90-150 lb when delivered in August - October. Lambs birthdates must be known. Premium prices paid. Ian Clark, Bentley, Alberta, phone 748-2624

A T T E N T I O N M O H A I R P R O D U C E R S

The Canadian Wool Co-op is assisting in shipping our mohair to Carlton Place, Ontario again this fall.

The mohair should be in burlap bags, sewn closed with jute or sisal twine or string. NOT PLASTIC.

Be sure your name and address is written on a card secured to the inside of the bags, as well as on the outside. A heavy weight shipping label can be used, or print the information onto the bags with a felt marker.

Make sure the bags are labelled "MOHAIR". The hair should be sorted according to type; eg. kid, adult, buck, stained, etc.

We have asked the Co-op to keep the Alberta producers' mohair together for sorting and grading as we feel we have a superior product. Please try to ship your mohair as free from vegetable matter as possible, with the stain, etc., sorted out to ensure a quality product.

T H E A L B E R T A M O H A I R P R O D U C E R S A S S O C I A T I O N



WESTERN BREEDERS INTERNATIONAL LTD.

BALZAC, ALBERTA, CANADA T0M 0E0

(0.5 Miles - North of Calgary International Airport)

Domestic Ram A.I. Centre - 295-8481

PRESS RELEASE TO ALL CANADIAN BREEDERS

Western Breeders International is pleased to announce that we have plans to open a Domestic Ram A.I. Centre for the Custom Collection of Rams under license and supervision of Federal Veterinarians from Agriculture Canada. This centre will process and freeze sheep and goat semen in 1/4cc straws and store it on behalf of clients. Delivery throughout Canada can also be arranged using our existing delivery network.

Our A.I. facility has to maintain strict control of disease and we are therefore inspected by Federal Veterinarians to qualify for A.I. status. The procedure which has to be followed for rams entering this facility is attached.

This development will make available to Canadian Breeders all the benefits of A.I. which has been used extensively by beef and dairy breeders for over 30 years. Frozen semen combined with the new techniques of interuterine insemination using laparoscopy should yield satisfactory results similar to that experience in extensive field trials in Australia.

For further information please contact Mr. Dorien Brosnihan at 295-8481

'Expect the Best from Western'

OFFICIAL HEALTH STANDARDS FOR SEMEN DONOR RAMS IN CANADA

Where sheep semen is to be collected from a ram for the purpose of processing for use in the artificial insemination of sheep, the donor ram must meet the health requirements for entry into an approved animal semen production centre and the semen must be collected at such a centre.

All health tests are conducted by official veterinarians of the Food Production and Inspection Branch, Agriculture Canada. The operations of the animal semen production centre are under official veterinary supervision and in accordance with the Regulations under the Animal Disease and Protection Act.

The prospective donor ram must originate from a sheep flock free from scrapie, pulmonary adenomatosis and other communicable disease. To the best of the official veterinarian's knowledge and belief neither scrapie nor pulmonary adenomatosis has been diagnosed during the preceding five years in the flock of origin and the donor ram is not the progeny of a sire or dam that was affected by scrapie or pulmonary adenomatosis.

Negative pre-entry tests for tuberculosis, brucellosis (*B. abortus* and *B. ovis*) leptospirosis (*L. pomona* and *L. hardjo*), bluetongue, paratuberculosis, Maedi-Visna and Enzootic abortion of ewes. (*Chlamydia psittaci*) are required for the donor ram within 30 days of being transferred from the flock of origin to the isolation section at the animal semen production centre.

Following 30 days quarantine in the isolation section maintained by the centre, the animal is retested for the above-mentioned diseases and, if the results are negative, entry into the animal semen production centre is permitted. All resident rams maintained at the centre are required to pass tests for tuberculosis, brucellosis, leptospirosis, bluetongue, paratuberculosis, Maedi-Visna and Enzootic abortion of ewes at intervals of six (6) months.

EXPORT MARKETS FOR CANADIAN SHEEP

Frozen semen for A.I. is becoming increasingly popular in foreign markets due to the increase in cost and time necessary to export live animals.

Many countries are currently interested in our Canadian Sheep genetics. However, we must have good quality semen available and get protocols in order to establish overseas markets.

It is a wise management decision to collect top rams for insurance and to determine semen quality. With Western Breeders International foreign contacts we will promote and market Rams worldwide and also help the Canadian Sheep Industry Advance just as the cattle industry has with A.I.

PRICE LISTS FOR CUSTOM COLLECTION AT
WESTERN BREEDERS DOMESTIC RAM CENTRE

Deposit on entry into isolation - \$100.00

Yardage - Training and housing - \$5/day while in isolation
- \$3/day while in production

Collection - \$6 per ejaculate processed

Processing - \$2.00/straw up to 500 straws
- \$1.50/straw for 501 straws to 1000 straws
- \$1.25/straw over 1001 straws

Storage of semen - .48 cents per unit per annum

Example

300 (straws):	30 days isolation at \$5.00	\$150.00
	30 days production @ \$3.00	90.00
Per Jump @ \$6.00 x 3 jumps per week/4 weeks		72.00
Processing \$2.00 x 300 straws		<u>600.00</u>
		\$912.00

(300 doses = \$3.04 per dose)

Our introductory special for this first year features 20% free semen for months of August to December 1987. This special will reduce the cost per unit to 2.53.

For further information and instruction on how to book a space for your ram, please call 295-8481 ask for Dorian Brosnihan.

THE ROLE OF ARTIFICIAL BREEDING
IN THE SHEEP INDUSTRY

Dr. I.D. Killeen, B.Sc. Agr., Ph.D
P.O. Box 34,
Finley 2713

A wide variety of methods are available to control reproduction in the sheep but none of the methods have been widely used, cost being the discouraging factor. Application of the techniques has been largely confined to the stud sheep industry and this situation will persist in the immediate future. The exceptions to this are the use of "Fecundin" for increased twinning and progesterone priming for early prime lamb production. The use of these techniques was covered by Dr. Cahill in earlier sessions of the conference and will not be further considered here.

Artificial breeding of sheep falls into three headings:

- I Control of Oestrus and Ovulation
- II Artificial Insemination
- III Embryo Transfer

1. Control of Oestrus and Ovulation

Practical techniques to control and synchronise oestrus and ovulation were first developed by Prof. T.S. Robinson at Sydney University in 1960's. The technique involved the use of a progestagen sponge placed in the vagina for about two weeks. At the time of withdrawal of the sponge, an injection of Pregnant Mare Serum Gonadotrophin (PMSG) is an option to induce oestrus in anoestrus ewes, to increase ovulation rate (and thus litter size) and to tighten the degree of synchronisation of oestrus and ovulation.

The progestagen sponge is still the most commonly used method around the world and there are two types available; CHRONOGEST (Intervet, Sydney) and REPRMAP (Upjohn, Sydney). A plastic intravaginal device impregnated with progesterone (CIDR) has been developed in New Zealand and is expected to be available for commercial use within two years. Another method of administering the progestagen is via an implant placed under the skin on the brisket. This device is marketed by Ceva under the trade name SIL-ESTRUS.

Oestrus can also be controlled by two injections of prostaglandins (e.g., ESTRUMATE, ICI) spaced ten to fourteen days apart. Prostaglandins can only be used during the breeding season where ewes are experiencing regular oestrus cycles. Though successfully used in cattle, results in sheep are unreliable and it is safest to use the progestagen techniques.

Ewes will exhibit oestrus two days (36-60 hours) after withdrawal of the progestagen treatment. During the breeding season, oestrus will occur spontaneously but during seasonal or post-partum anoestrus when ewes are unresponsive to the sudden introduction of rams, an injection of about 500i.u. PMSG at the time of sponge withdrawal is essential to induce oestrus and ovulation.

Careful attention must be paid to the mating management of ewes because the fertility level at first oestrus after sponge withdrawal tends to be reduced. A ratio of one ram to ten ewes is recommended where ewes are being naturally mated and joining should be in small paddocks.

Controlled breeding techniques potentially offer a number of benefits.

- Synchronisation of oestrus to facilitate AI or hand service
- "out of season" breeding
- Increase litter size
- Synchronisation of lambing to reduce supervision time.

All devices and drugs must be obtained from veterinary surgeons. Before using any technique(s), programmes should be carefully worked out based on sound technical advice, and the economics of use must be critically evaluated.

II. Artificial Insemination (AI)

It has been estimated that in 1983-4 season 200,000 ewes in Australia were artificially inseminated with fresh semen. In Western Australia alone 22,000 ewes were inseminated with frozen-thawed semen using the laparoscope technique. This figure represents 5% of the stud Merino ewes in that state.

Estimates for other states are not available.

AI Methods

(a) Vaginal

The simplest method of insemination is the vaginal method. With this method ewes are inseminated in the standing position in a race. An inseminating pipette is simply inserted into the vagina and semen deposited into the vagina. This method is widely used by the Australian Merino Society (AMS) who have aptly named the technique SID ("Shot In the Dark")

(b) Cervical ("Over the Rail")

Insemination is usually made into the entrance of the cervix (entrance of the womb or uterus). Deposition of semen through the cervical canal into the uterus (as in the cow) or deeper into the cervix is not possible in the ewe. Although the actual insemination is relatively simple, some practice is needed to locate the cervix and to introduce the inseminating pipette to a sufficient depth into the cervix.

To carry out the insemination the hind legs of the ewe are lifted over a rail and the front feet resting on the floor. The ewe is held in position by an assistant. The cervix is located by inserting a speculum into the vagina. The inseminating pipette is inserted 1-2cm into the cervix where the semen is deposited.

Cervical insemination of maiden ewes is generally avoided because it is difficult to insert the speculum far into the vagina due to a vaginal constriction present in many ewes. Vaginal insemination is suitable for maiden ewes.

With cervical insemination fertility levels are normally of the order of 65-75% which approaches the normal level achieved with natural mating. Few reliable figures are available for the SID method but the AMS people claim that it results in fertility levels similar to, or only slightly inferior to, the cervical method using relatively high doses of spermatozoa. The critical comparison which has not yet been reported is when low spermatozoa doses are used.

(c) Intrauterine

Ewes can be inseminated directly into the uterus by either laparotomy or the use of a laparoscope. The laparotomy technique involves the exteriorisation of the reproductive tract and the insertion of a pipette containing the semen through the wall of the uterus. This technique results in high fertilisation rates with fresh or frozen semen but lambing rates are unsatisfactory.

The laparoscope technique was developed in 1981 at Leeton Research Station by myself and my colleague,

Mr. G. Caffery. This technique involves the use of an instrument called a laparoscope which can be inserted through a small puncture in the body wall enabling the operator to see into the body cavity.

After locating the uterus, a pipette containing the semen is passed through a second small hole in the body wall and then stabbed into the uterus where the semen is deposited. During the operation using local anaesthetic, the ewe is restrained on her back in a cradle.

The technique was originally developed for the insemination of donor ewes in embryo transfer programmes and later applied to insemination of frozen-thawed semen. Work on frozen semen was carried out in association with Riverina Artificial Breeders, Albury.

Use of Frozen Semen

The use of frozen ram semen has been limited because lambing rates following cervical insemination have often been disappointing, generally of the order of 15-40% ewes lambing. The infertility problem will be emphasized if frozen semen is used on ewes at the first cycle after hormonal synchronisation of oestrus. Fertility can be improved in progestagen treated ewes by the injection of a low dose (400-500 i.u.) PMSG at the end of progestagen treatment. The infertility problem will be further compounded when ewes are inseminated in spring-early summer when fertility is at a low seasonal ebb. This is a popular time for mating sheep in this country. Infertility of ewes is caused by faulty sperm transport through the cervix and freezing also reduces sperm life in the female reproductive tract.

Intra-uterine insemination by laparoscopy with fresh or frozen semen results in 60-70% ewes lambing. This technique now allows the confident use of frozen semen and has facilitated the development of intranational and international sale and transport of ram semen.

Other important advantages of the laparoscopy technique are:

- Ten fold increase in the number of ewes inseminated with a given amount of fresh or frozen semen.
- Infertility problems do not occur when ewes are inseminated at first oestrus cycle after progestagen withdrawal.
- Ewes can be inseminated during non-breeding season with confidence.
- The option of using either fresh or frozen semen allows for greater flexibility in AI programmes.
- Rams can be insured by freezing semen rather than paying insurance premiums.

The potential for increasing lamb production from a single sire by AI is indicated in the following calculations.

NATURAL MATING with 2% of rams 50 ewes mated per ram,
assuming 80% lambs marked → 40 lambs born per ram per year.

CERVICAL AI with fresh semen, 2 ejaculates per day over six
week, 20 ewes inseminated per ejaculate → 1,680 ewes
inseminated, assuming 80% lambs marked → 1,300 lambs per
ram per year.

LAPAROSCOPIC AI with fresh or frozen semen, one ejaculate per
ram per day for 300 days, 150 ewes inseminated per ejaculate
→ 45,000 ewes inseminated assuming 80% lambs marked
→ 36,000 lambs marked per ram per year.

These data indicate the huge potential for increasing reproduction rates from genetically superior sires using AI especially using laparscopy.

The major disadvantage of laparscopy AI is its high cost. Currently cost per ewe is \$12-\$15 including the cost of progestagen sponges and PMSG but excluding the cost of semen.



The Alberta Sheep Breeders' Association would like to take this opportunity to thank the members for their support of the 1987 Wild Rose Sale.

1987 WILD ROSE SHEEP SALE
 OLDS COLLEGE, OLDS, ALBERTA

SATURDAY, AUGUST 29, 1987

LOT	CONSIGNOR	PURCHASER	PRICE
<u>SUFFOLK</u>			
3	All Land/Livestock, Lloydminster, SK.	Bevco Livestock, Cardston	275
6	Helen Annis, Invermere	Daren Balazic, Hanna	400
7		Sandy Acres Sheep Stud, Regina	425
8		R.C. McLean, Rocky Mtn House	375
9		Randy Quinton, Cardston	350
10		Randy Quinton, Cardston	350
11		Randy Quinton, Cardston	375
12		Lloyd Pickard, Olds	350
13		Fred Hoeber, Riviere Qui Barre	300
014		Fred Hoeber, Riviere Qui Barre	300
15		Fred Hoeber, Riviere Qui Barre	300
16		Fred Hoeber, Riviere Qui Barre	300
017		Fred Hoeber, Riviere Qui Barre	300
019	D & E Cadsand, Rimbey	Trendsetter Suffolks, Millet	500
0019		Barrett Farms, Okotoks	325
22		Reg Marler, Sherwood Park	350
23		Reg Marler, Sherwood Park	300
24	Chester Fowler, Airdrie	Gordon Turner Farms, Blackie	900
25		Harold Harder, Winkler, MB	700
26		Lynne Brooke Farms, Nanaimo, BC	600
27		Lynne Brooke Farms, Nanaimo, BC	300
28		Lynne Brooke Farms, Nanaimo, BC	450
29		Lloyd Pickard, Olds	300
30		Orla & Elsa Nielsen, Spruce View	325
31		Andy Pittman, Picture Butte	275
34	Clarence Jones, DeWinton	Bevco Livestock, Cardston	250
35		Bevco Livestock, Cardston	250
36		Bevco Livestock, Cardston	250
37		Barrett Farms, Okotoks	300
38	Bill Matejka, Ponoka	Ronald McLean, Rocky Mtn House	900
039		C. Redvers Perry, Balzac	425
40		Ryan Radke, Craigmyle	425
41		Gloria Blades, Nanton	400
42		Randy Quinton, Cardston	350
43		Lloyd Pickard, Olds	400
44		Larry Marshall, Innisfail	400
45		Randy Quinton, Cardston	350
46		Frank C. Dallaire, Red Deer	275
47		Barrett Farms, Okotoks	300
048		Jocelyn Pearson, Innisfail	400
049		L.W. DeMille, Morrin	225
050		Barrett Farms, Okotoks	300
51		Ronald McLean, Rocky Mtn House	225
52		L.W. DeMille, Morrin	225
53		Ronald McLean, Rocky Mtn House	200
54		L.W. DeMille, Morrin	275
55		Barrett Farms, Okotoks	225

LOT	CONSIGNOR	PURCHASER	PRICE
56	Olds College, Olds	Gordon Turner Farms, Blackie	700
57		Gordon Turner Farms, Blackie	800
58		Chris Krozser, Leduc	350
59		Trendsetter Suffolks, Millet	600
60		Bevco Livestock, Cardston	250
61	Red Saturn Livestock, Rimbey	Brian Willocks, Blackie	600
62		Jim Pearson, Bowden	300
64	P & D Reid, Salmon Arm, BC	Sandy Acres Sheep, Pilot Butte	1400
65		Randy Quinton, Cardston	1500
66		Trendsetter Suffolks, Millet	800
67		Trendsetter Suffolks, Millet	800
068	B & W Stephen, Calgary	George Bourassa, Fort Macleod	650
70		Stan Olchoway, Thorhild	350
72		Stan Olchoway, Thorhild	350
74		Shady Lane Sheep Farm, Olds	275
75		Andy Pittman, Picture Butte	325
76		D.J. Christiansen, Fort Sask.	275
77	Walter Strand, Lethbridge	D.J. Christiansen, Fort Sask.	225
78		Trendsetter Suffolks, Millet	375
79		Warren Miller, Markerville	325
80		William Thomsen, Innisfail	275
81		O & E Nielsen, Spruce View	225
82		Shady Lane Sheep Farm, Olds	275
83		Doug Olchoway, Thorhild	300
84		Doug Olchoway, Thorhild	250
85		Doug Olchoway, Thorhild	250
86		Doug Olchoway, Thorhild	200
87		Barrett Farms, Okotoks	275
88		Doug Olchoway, Thorhild	225
89		Greg Alexander, Airdrie	275
90		Greg Alexander, Airdrie	300
91		Shady Lane Sheep Farm, Olds	225
92		Shady Lane Sheep Farm, Olds	275
93		Doug Olchoway, Thorhild	200
94		Doug Olchoway, Thorhild	250
95		D.J. Christiansen, Fort Sask.	275
96		Doug Olchoway, Thorhild	200
97		L.W. DeMille, Morrin	275
99	Harold Trentham, Morrin	Doug Olchoway, Thorhild	300
100		Barbara Ellis, Grimshaw	400
101		Warren Miller, Markerville	350
102	Waco Livestock Co., Olds	Trendsetter Suffolks, Millet	1500
103		Trendsetter Suffolks, Millet	1400
104		Trendsetter Suffolks, Millet	1400
105		Barrett Farms, Okotoks	300
106		Shady Lane Sheep Farm, Olds	325
107		Randy Quinton, Cardston	275
109		Harold Harder, Winkler, MB	275
110	J & E Willimas, Ponoka	Ronald McLean, Rocky Mtn House	200
111		Harold Harder, Winkler, MB	300
112		Barrett Farms, Okotoks	275

1987 Wild Rose Sheep Sale
Saturday, August 29, 1987

LOT	CONSIGNOR	PURCHASER	PRICE
<u>HAMPSHIRE</u>			
116	All Land/Livestock, Lloydminster, SK	Ronald McLean, Cardston	275
117	Peggy Newman, Blackie	George Bourassa, Fort Macleod	325
118		Ronald McLean, Rocky Mtn House	475
119		Gene Griffith, Hanna	300
120		Ronald McLean, Rocky Mtn House	200
121		Mignault Sheep Ranch, Tompkins, SK	225
122		Ronald McLean, Rocky Mtn House	200
123		Ronald McLean, Rocky Mtn House	200
124		Mignault Sheep Ranch, Tompkins, SK	225
125		Ronald McLean, Rocky Mtn House	200
126		Coyote Acres, Grande Prairie	200
127		Ronald McLean, Rocky Mtn House	200
128		Ronald McLean, Rocky Mtn House	200
130		Pat Reid, Salmon Arm, BC	300
131		Pat Reid, Salmon Arm, BC	300
132		Pat Reid, Salmon Arm, BC	300
133		Pat Reid, Salmon Arm, BC	300
134		Waco Livestock Co., Olds	200
135	Red Saturn Livestock, Rimbey	Mignault Sheep Ranch, Tompkins, SK	300
136		Fertile Valley Hamps, Conquest, SK	325
138	P & D Reid, Salmon Arm, BC	Fertile Valley Hamps, Conquest, SK	600
0139		J & M Gourley, High River	400
140	Waco Livestock Co., Olds	Gene Griffith, Hanna	500
141		Ronald McLean, Rocky Mtn House	200
142	All Land/Livestock, Lloydminster, SK8	West Country Columbias, Rocky Mountain House	475
143	Peggy Newman, Blackie	Ovie Munkholm, Claresholm	300
144		Ovie Munkholm, Claresholm	225
145		Ovie Munkholm, Claresholm	300
146		George Bourassa, Fort Macleod	350
147		George Bourassa, Fort Macleod	300
148		Ovie Munkholm, Claresholm	250
149		George Bourassa, Fort Macleod	350
150		George Bourassa, Fort Macleod	350
151		Ovie Munkholm, Claresholm	325
152		George Bourassa, Fort Macleod	350
153		George Bourassa, Fort Macleod	350
154		George Bourassa, Fort Macleod	300
155		George Bourassa, Fort Macleod	300
156		George Bourassa, Fort Macleod	350
157	Audrey Trentham, Morrin	George Bourassa, Fort Macleod	900
158		Joanna Hougham, Camrose	425
159		George Bourassa, Fort Macleod	350

1987 Wild Rose Sheep Sale
 Saturday, August 29, 1987

LOT	CONSIGNOR	PURCHASER	PRICE
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NORTH COUNTRY CHEVIOT

0160	Clarence Jones, DeWinton	Aubrey Tremblett, Sidney, BC	300
162		Pasu Farms, Carstairs	275
163		Pasu Farms, Carstairs	275
164		Ronald McLean, Rocky Mtn House	200
165	W & M Stephen, Calgary	Shawn Smith, Govan, SK	375
166		Clarence Jones, DeWinton	350
167		Bruce McFarlane, Caroline	275
0169		Bruce McFarlane, Caroline	275
170		Annette Kershaw, Didsbury	400
171		Pasu Farms, Carstairs	350

DORSETS

172	Mike Taylor, Blackfalds,	D. McCart, Spruce View	850
173		D.J. Christiansen, Fort Sask.	425
0174		E.L. Williams, Sicamous, BC	350
176	J & L Williams & D. Kasur Ponoka	E.L. Williams, Sicamous, BC	300
177		Gordon Fulton, Bowden	200
0178		Gordon Fulton, Bowden	250
179		D.J. Christiansen, Fort Sask.	225
180		D.J. Christiansen, Fort Sask.	225
189	D Cadsand Jr., Rimbey	Riverview Farms, Duffield	250

RAMBOUILLET

183	R & A Jackson, Didsbury	Keith Andrew, Nanton	225
184		Doug Laurie, Stony Plain	325
185		Douglas Rieberger, Bowden	250
190	Chris Jensen, Magrath	Doug Laurie, Stony Plain	325
191		George Shaw, Nanton	350
192		George Shaw, Nanton	250
193		George Shaw, Nanton	350
194		George Shaw, Nanton	350
195		Doug Laurie, Stony Plain	350

168	Lots (Purebred)	Total Gross - (Purebred)	- \$62,525.00
212	Lots (Commercial)	Total Gross - (Commercial)	- \$25,142.50

AVERAGE ON PUREBREDS - \$372.12

AVERAGE ON COMMERCIALS - \$118.60

380	Lots Total	OVERALL AVERAGE	\$230.70
-----	------------	-----------------	----------



LOT NO. _____

BREED _____

BIRTH DATE _____ **MULTIPLE BIRTH** _____

NAME _____ **TATTO** _____

100 DAY WT. _____ **A.D.G.** _____ **INDEX** _____

NAME OF SIRE _____ **REG. NO.** _____

NAME OF DAM _____ **REG. NO.** _____

BREEDER _____

ADDRESS _____

This is an example of the stall cards currently available from The Alberta Sheep Breeders' Association office in Calgary. The cards are 9" x 11" and of a sturdy cardboard material. They are available for .50¢ per card.

Please make cheque payable to:

ALBERTA SHEEP BREEDERS' ASSOCIATION
2504 Toronto Crescent N.W.
Calgary, Alberta, Canada T2N 3V9
(403) 282-6736

LETHBRIDGE & DISTRICT EXHIBITION

August 31, 1987

NEWS RELEASE
SHEEPERAMA
OCTOBER 30, 31 & NOVEMBER 1, 1987

Our 4th Annual Sheeperama Show is now in gear and planned for Friday, October 30th till Sunday, November 1st, 1987.

We have added some new and exciting features to this years show which we hope will be both informing and interesting to the Sheep Breeders and General Public.

1. SCHEDULE OF EVENTS:

WEDNESDAY, OCTOBER 28th:

9:00 pm - Market Lambs must be in barn for morning slaughter.

FRIDAY, OCTOBER 30th:

1:00 - 6:00 pm - JUDGING CLINIC
5:00 pm - Arrival deadline
6:00 pm - Welcome Exhibitor Reception
7:00 - 10:00 pm - SHEARING SCHOOL

SATURDAY, OCTOBER 31st

9:00 am - noon - SHEARING SCHOOL
9:00 - 11:00 am - Hampshire Show
11:00 am-1:00 pm - SASB meeting in Pavilion Room
1:00 pm - Suffolk Show
4:00 pm - Columbia Show
6:00 pm - SASB Banquet

SUNDAY, NOVEMBER 1st:

1:00 - 5:00 pm - Spinning and Weaving Demonstrations
1:00 - 2:30 pm - Junior Sheep Show
1:30 pm - Lamb Cooking Demonstration
3:00 pm - All Wool Fashion Show
6:00 pm - Rambouillet Show
- Dorset Show
- All Other Breeds Show
8:00 pm - releasal of sheep

2. We have selected Mr. Glen Rask of Fort Collins, Colorado as our Judge who will be accompanied by 2 Commercial Judges for the Purebred Shows. Mr. Rask will also be instructing a JUDGING CLINIC to be held on Friday, October 30th 1:00 pm to 6:00 pm. Tuition fee will be \$10.00 and participants will receive a JUDGING CLINIC CERTIFICATE.
3. Also new to our show will be a SHEARING SCHOOL which will run on Friday, October 30th evening at 7:00 - 10:00 pm and again on Saturday, October 31st at 9:00 am - 12 noon. The cost for the Sheep Shearing School will be approximately \$30.00. Maximum of 15 students. For further details contact Les Toth at Canadian Co-operative Wool Growers 327-3760.

4. SHEEP "PEN SALE" - sale by private treaty. Open to any breed of commercial or purebred sheep. Maximum of 5 sheep per 10 ft x 10 ft pen. Cost per pen is \$50.00. Pen arrival veterinarian inspection will be 3:00 - 5:00 pm on Friday, October 30th. Sheep must be in the barns no later than 8:00 pm. Entry deadline is October 23rd.
5. COMMERCIAL BOOTHS
The Commercial Booths will be displayed Saturday 9:00 am - 5:00 pm and Sunday 1:00 - 5:00 pm. The booth cost will be only \$50.00 per booth which includes a banquet table and 2 chairs. If you would like to promote your product take advantage of this opportunity.
6. JUNIOR SHEEP SHOWS
Open to Juniors 18 year of age and under. Mature Ewes, Ewe Lamb and Market Lamb classes to be held on Sunday, November 1st at 1:00 pm with the Novelty Class to be held at 4:00 pm. Note the Novelty class will be Judged with a point system for theme, originality, suitability to the industry and presentation of the animal.
7. COOKING DEMONSTRATION
Canadian Western Natural Gas will conduct an Alberta Lamb Cooking Demonstration at 1:30 - 3:00 pm on Sunday, November 1st
As well the Alberta Sheep and Wool Commission will be promoting Alberta Lamb through their tasting booth again this year.
8. DOG TRIALS
There will not be any Dog Trials only a demonstration using Ducks on Sunday.
9. BANQUETS/MEETINGS
 - a) Welcome Reception on Friday, October 30th at 6:00 pm will feature "Beef on a Bun", and salads. Advance tickets will be available from the Lethbridge Exhibition Administration office.
 - b) Southern Alberta Sheep Breeders Meeting to be held in the Saddle Room at 11:00 am to 1:00 pm, Saturday, October 31st.
 - c) Southern Alberta Sheep Breeders Banquet to be held in the Colonel Macleod Room, Top of the Grandstand, Saturday, October 31st commencing at 6:00 p.m.

FOR FURTHER INFORMATION, PLEASE CONTACT

VICKY MILLER
Agricultural Co-ordinator
LETHBRIDGE & DISTRICT EXHIBITION
3401 - 6 Avenue South
LETHBRIDGE, Alberta
T1J 1G6
(403) 328-4491

SHEEPERAMA '87

October 30, 31 & November 1, 1987

Exhibition Pavilion — Lethbridge, Alberta

Entry Deadline: Sept. 14 — Judge: Glen Rask, Fort Collins, Colorado

Wednesday, Oct. 28

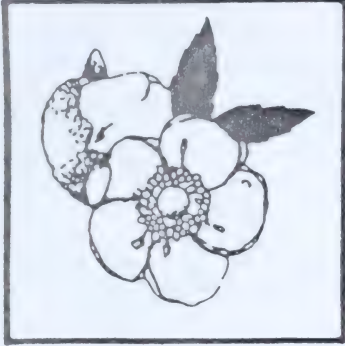
9:00 p.m. • Market Lambs must be in barns

Friday, October 30

1:00 - 6:00 p.m. • **JUDGING CLINIC**
(conducted by Glen Rask, Colorado)
6:00 p.m. • Welcome Exhibitor Reception
7:00 - 10:00 p.m. • **SHEARING SCHOOL**

Saturday, Oct. 31

9:00 a.m. • **SHEARING SCHOOL**
9:00 a.m. • Hampshire Show
11:00 a.m. • SASB Meeting
11:00 a.m. • Suffolk Show
4:00 p.m. • Columbia Show
7:00 p.m. • SASB Banquet



Sunday, Nov. 1

1 - 5 p.m. • Spinning & Weaving
1 - 2:30 p.m. • **JUNIOR SHOW**
1:30 p.m. • Cooking Demonstration
3:00 p.m. • Fashion Show
4:00 p.m. • Wool Sacking
6:00 p.m. • Rambouillet Show
• Dorset Show
• Other Breeds

SHEEP "PEN SALE"
Sale by Private Treaty



3401 — 6th Avenue South
Lethbridge, Alberta, Canada
T1J 1G6
(403) 328-4491

WHAT'S NEW IN P·U·B·L·I·C·A·T·I·O·N·S

VOLUME 12, NUMBER 5
September, October 1987

The following publications are now available from Alberta Agriculture, Print Media Branch, Main Floor, 7000 - 113 Street, Edmonton, Alberta, T6H 5T6.

ALBERTA AGRICULTURE PUBLICATIONS

Agdex Number

- FS114/33-29 Varietal Description of Winchester Six-Row Feed Barley. 1987. 3 pages. "Agri-Fax."
- FS142/33-15 Varietal Description of Indianhead Plowdown Lentil. 1987. 2 pages. "Agri-Fax."
- FS149/632-4 Disease Forecasting for Sclerotinia White Stem Rot in Canola. 1987. 4 pages. "Agri-Fax."
- FS410/23-1 Feeding and Management of Dairy Replacements. 1987. 3 pages. "Agri-Fax."
- FS410/40-2 Condition Scoring of Dairy Cattle. 1987. 2 pages. "Agri-Fax."
- FS420/662-5 Alberta Preconditioning Program. Revised 1987. 4 pages. "Agri-Fax."
- 420/662-6 Alberta Preconditioned (Calf Program) Worksheets. Revised 1987.
- FS440/00-1 Alberta's Pork Production Industry. 1987. 3 pages. "Agri-Fax."
- FS510-1 Soil Moisture Management. 1987. 4 pages. COUNTRY GUIDE insert August 1987.
- FS516-3 Conservation Tillage. 1987. 4 pages. COUNTRY GUIDE insert September 1987.
- FS716(D62) Water Distillers. Revised 1987. 2 pages. "Agri-Fax."
- 843-4 Statutory Grain Freight Rates from Alberta to Vancouver/Prince Rupert and Thunder Bay 1987-88 Crop Year. 1987. 21 pages.
- 853 Agricultural Statistics Fact Sheet 1986. Revised 1987. 2 pages.

PUBLICATIONS FROM OTHER AGENCIES

- 1700-71-4 Passive Solar. 1987. 27 pages. Published by Alberta Energy.



The Classifieds

FOR SALE - SHEEP

BY BRIGHTBANK Finnsheep. Registered Finn sheep. Ram lambs and yearlings. Top quality sheep with production records from a disease-free flock. Also Finn/Suffolk and Finn/Columbia ram lambs. For information or to arrange visit call Kathy Playdon, Stony Plain, 963-0416 (10)

JANUARY '87 ram lambs. All on R.O.P. Twins and triplets. Dee Raven Farms Ltd., phone 973-6979 (10)

1 CLUN Forest ram lamb. Don Spicer, Cochrane, phone 932-4262 or 262-5717 (10)

3 DORSET Corriedale cross ewe lambs. Three Dorset Corriedale ram lambs. Take your choice. Lyle Cuigley, Cremona, phone 637-2585 (10)

1 SUFFOLK ram lamb - Reserve Champion at Grande Prairie fair - \$250. 1 yearling Dorset ram - Grand Champion 1987 at Grande Prairie fair - \$300. Call Susan Emery, Riverbend Ranch, Barrhead, 674-4743 after 7 PM (10)

3 DORSET ram lambs. Sired by World Congress rams. Raised in a disease-free flock. All have above average gains on 90-day home test (108-114). Canadian registered. Call Pete McCart, Windhover Farms, Spruce View, 728-3035 (10)

1 SUFFOLK ram lamb. Twin. Registered. Trentham breeding. Call E. Gilmar, Calgary, 285-9804 (10)

20 REGISTERED Suffolk ewe lambs. ROP tested. Fowler & Crooked Post breeding. Wenlock Farms, Red Deer, phone 343-1361 (10)

50 EWE Lambs. Finn/Rambouillet/Suffolk crosses. Also Finn/Rambouillet/Polypay crosses. Spring born lambs available in October. Bob Winchell, Barrhead, phone 674-3540 after 6 PM (10)

60 3-5 YEAR old Suffolk breeding ewes. 110 3-way cross white-faced breeding ewes. Contact Cal Mitchell, Edmonton, 470-0478 (10)

ROMANOV X Suffolk, Romanov X Cheviot ram lambs born April '87. Contact Ongaria Sheep, Whitecourt, 778-5728 (10)

4 YEAR old Corriedale purebred ram. Born a triplet. Contact Evangeline Fluet, Cherhill, 785-5728 (10)

1986 RAM, 3/4 Hampshire, Mouritsen breeding 1/4 Finn (twin). Contact E & U Jones, 675-4099 (11)

HI-10 HILLS Romanov will be at Edmonton Northlands Farm Fair Sale November 7 with 2 ewe lambs and 2 or 3 ram lambs. For more information contact Tom at 645-6913 (11)

REGISTERED HAMPSHIRE ram. 3 years old. Proven producer. \$150. Contact Lynn Langlois, Tangent, 359-2146 (11)

1 BLACK ram lamb. Weighs over 135 lbs. Would make and excellent teaser. Also commercial crossbred ewe lambs. 7 yrs of records available. ROP. From a Finn/Dorset ram of Brenda Booker's. Contact Jennifer at 682-2490 or Neil at 682-2480 (11)

FINN X and purebred Suffolk ewe lambs available. Contact Reg & Val Underhill, Vergal Farms, Ardrossan, 922-2507 (11)

HORNED DORSET ram. 2 1/2 yrs old. Twin. Wiebe and Crooked Post breeding. Excellent progeny growth. \$150. Contact Larry Roy, Innisfree, 592-2183 (11)

PUREBRED AND Commercial Rambouillet ewe lambs. Happy Valley Farms, Magrath, phone 758-3475 (11)

SUFFOLK RAM lamb. Lot #62 from this year's Ram Test Station sale. He's growing out well, nothing wrong with him except I wanted a Hamp (but couldn't afford one). Chris says if I can sell this lamb for what I paid (\$325) I can buy a Hamp. Anyone care to help me out? Betty Harvey, 843-3494 (11)

HILL VALLEY Farm has Columbia X Rambouillet, Clun Forest X Suffolk ewe lambs \$135 each, Dorset X Suffolk yearling ewes \$140 each, also good sound mature ewes \$125 each. ROP tested. Routinely wormed and vaccinated. Contact Peg & Rod Baynton, Lloydminster, 403-875-6372 (11)

1 SUFFOLK ram lamb. Twin. Contact Sue Scott, Calgary, 931-3867 (11)

SUFFOLK RAM lambs. Ready for fall breeding. ROP. Contact Jim & Joanne Pearson, Bowden, 224-3026 after 6 PM (11)

12 RAMBOUILLET/SUFFOLK/FINN ewe lambs. Born in April. ROP tested. From minimal disease flock. Regularly wormed and vaccinated. Also 2 Rambouillet/Suffolk ram lambs. 121 and 134 index on ROP. And up to 10 bred ewes available in December. Contact Deb and Ian Clark, Medicine Ridge Farm, Bentley, 748-2624 (11)

FOR SALE - GOATS

PUREBRED & grade Alpine and Nubian milking does. Doe kids and meat goats. Purebred Alpine buck from top doe, 3 yrs old. Purebred Nubian buck from 'Star Milker'. Contact Vera Wagar, Sylvan Lake, 887-5649 (10)

PUREBRED SAANEN buck. A powerful, correct young buck with lots of bone, width and depth. His mother was first place milking yearling, Regina, July '86 - \$300. Also several purebred Saanen does out of quality stock. Anchor Valley Saanens, Estevan, Saskatchewan (306) 634-7701 (10)

REGISTERED ALPINE buck. Classified VG88 at 5 yrs. - \$275. Registered Alpine dry yearling doe - \$100. Registered Alpine doe kid, born March '87 - \$125. Registered Toggenburg doe with March born doe kid - \$250 pair. Recorded Nubian doe kid - \$50. Contact Titan Alpines, St. Paul, 645-2477 (10)

PUREBRED NUBIAN and Alpine dairy goats. Productive and healthy herd. Some does freshening in January. From \$150. Buck kids by reservation. Contact Windyhill Dairy Goats, Cochrane, 932-3732 (10)

YOUNG TOGGENBURG buck and Toggenburg doe. Reasonable. Contact Belle Anne, Tofield, 662-3537 (11)

LA MANCHA and Nubian goats. Recorded La Mancha does bred for February - \$200. Registered Nubian star-buck from show-winning stock, son of star-milker, \$300. La Mancha buck - \$300. Order '88 kids now - \$100 up. Contact J. Bengner, Nurabian Farm, Drayton Valley, 727-2491 (11)

FOR SALE - DOGS

REGISTERED KOMONDOR puppies from top quality working parents and show bloodlines. Priced from \$400. Also breed information. Windyhill Farm, Cheryl Prokopowich, Cochrane, 932-3732 (10)

WHITE TOY Poodle males, pups or adult. CKC registered and tattooed - \$200. Contact John or Joanne Bengner, Drayton Valley, 727-2491 (11)

PUREBRED AUSTRALIAN Shepherd pups. The versatile stock dog (Not blue heelers). Call 675-3344 (11)

FAMILY STOCK dogs. Dam - Australian shepherd. Sire - Border Collie. Both working parents. Wormed, vaccinated with vet health records. Ready to go! Call Roy Penniket, Enchant, 739-3787 (11)

FOR SALE OR TRADE

SWAP ONE Dodge 1965 600 series 3 Ton truck with grain box and hoist, running order, for young Suffolk ewes. Contact Greg, 754-2181 (10)

1980 GM half ton, 930 Case for parts, short box truck topper. Will trade for young Suffolk cross ewes or ewe lambs. Call Delbert Pratt, Ester, 664-2053 (11)

FOR SALE - MISCELLANEOUS

525 ACRE sheep farm with 200 acres fenced with page wire and cross fence. Modern home and corral set up for sheep. Corral and building easily changed to other livestock operation. 100 miles N.W. of Edmonton, near Ft. Assiniboine. Can be purchased with flock and machinery or land purchased separately. Call Eldwin J. Wakefield, 584-3783 (11)

METAL ROUND Bale Feeders for sheep. No more crushed lambs! We're using them and they're great! \$225. Rodney Ceccato, Eckville, 746-5633 (11)



FOR RENT/LEASE OR SALE - 80 acre sheep farm. 20 miles south-east of Edmonton on Hwy 14. 3 bedroom house, 3 car garage. 16 x 32 inground swimming pool. Heated lambing barn with washing facilities. 40 x 60 hay barn, several granaries, corrals and waterers. \$800/month or \$135,000. Terms can be arranged. Contact Dennis Fenske, 662-2011 (10)

WANTED - SHEEP

LARGE FLOCK of commercial ewes or ewe lambs. Contact Warren Moore, Lousana, 749-2280 (10)

50+ FINN X (Suffolk, Columbia, Rambouillet) ewes. Please contact and quote price including delivery to Marie Michon, 8020 Des Bouvrevuils, Ste. Gertrude, Quebec, GOX 2X0 (11)

1 SUFFOLK or Cheviot ram for use this fall. Call Susan Brodersen, Winfield, 682-2113 (11)

WANTED - MISCELLANEOUS

GOOD USED electric sheep shears. Contact Susan Brodersen, Winfield, 682-2113 (11)

PERSON WITH expertise and facilities suitable for use as a pre-export quarantine station for Angora goat kids for the month of December or January. A suitable barn, feeders and pens are needed for up to 100 goats. No other cloven-hooved livestock are permitted on the property. Contact Dorothy Broadbent at 783-5927 if you are interested and live within an area accessible to Calgary and Edmonton airports. (11)

HELP AVAILABLE

EXPERIENCED HELP available during lambing. Contact Angela Thibault, Wetaskiwin, 352-1659 (10)

WILL MANAGE sheep on custom care basis. Contact Warren Moore, Lousana, 749-2280 (10)

SERVICES

SHEEP'S WOOL - washed, carded and in batts. Ready to make into a soft warm comforter for the coming months - \$8/lb. Contact J. Friesen, Ardrossan, 922-2963 (10)

ALBERTA GOAT Breeders Association publishes SLANT bi-monthly and has something to offer you, whether you raise commercial or purebreds, one doe or 100. Send for your free introductory copy today to Slant, Box 789, Cochrane, TOL OWO (10)

CONTACT DOROTHY Broadbent at 783-5927 if you are interested in showing goats or promoting Angora goats and their products at the Grande Prairie show the beginning of August next year. (11)



FRAMTECH
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Vilna, Alberta T0A 3L0

Richard C. Scoffom
President
Phone: (403) 636-2074 (11)



EDITOR'S NOTE

Classified Ads and Coming Events may be placed in Sheep Footnotes free-of-charge by contacting:

*Janet Smalley
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
T6H 5T6*

*Karren Green
Alberta Agriculture
Bag Service #1
Airdrie, Alberta
T4B 2C1*

Ph: (403) 427-5077

Ph: (403) 948-8515

The deadline for Classified Ads and Coming Events is the last day of the month prior to the month of publication.

Coming Events will be run every month from when they are placed until the event. Please Note: Events should be placed in Coming Events at least 6 weeks in advance in order to ensure their publication before they occur.

Classified Ads will run initially for two months, unless cancelled after the first month. After the first two months, ads may be renewed each month by contacting Janet Smalley at 427-5077. Ads must not exceed two column inches in length or they will be edited. Full page ads and half page ads will be run for one month. If you want your full page ad condensed into a Classified Ad for the next two months, please indicate this when you send in the ad. Sheep Footnotes reserves the right to restrict the length, content and run of any Classified Ad.

EDITORS OF OTHER PUBLICATIONS

Material in Sheep Footnotes may be reprinted in other publications, but source must be stated and content of articles may not be changed without authors' permission.



sheep
footnotes



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Editor: Wray Whitmore
Sheep Specialist
Beef Cattle & Sheep Branch
#204, 7000 - 113 Street
Edmonton, Alberta
427-5077



Advertising: Janet Smalley
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
427-5077

Alberta
AGRICULTURE

Animal Industry Division
Beef and Sheep Branch

Mathematics

Chapter 1: Introduction to Mathematics

Chapter 2: Numbers and Operations

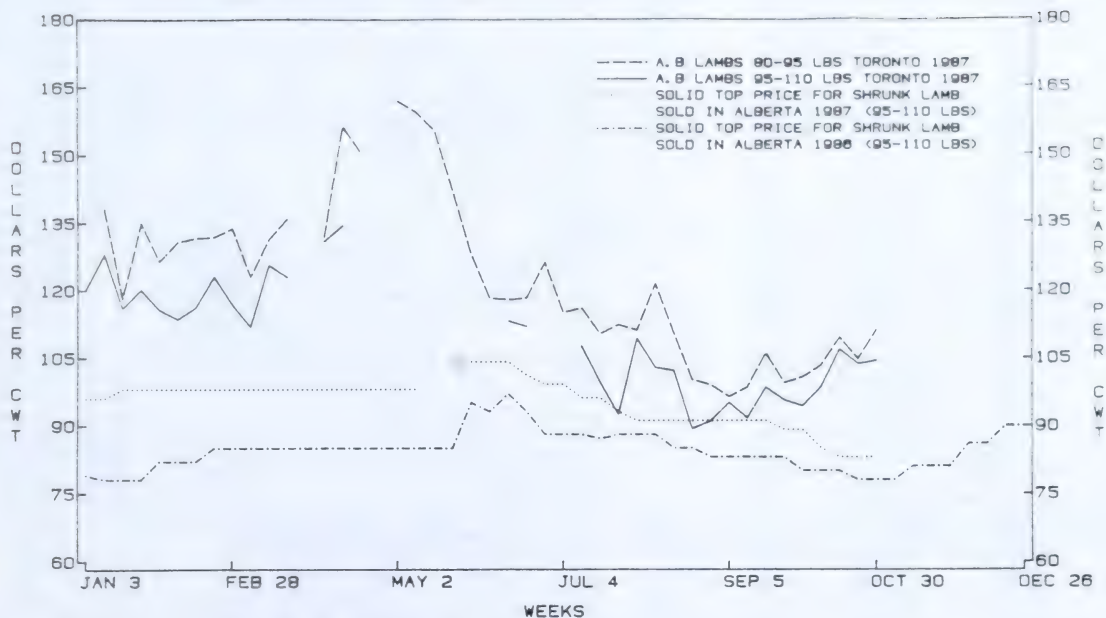
Chapter 3: Algebra

Chapter 4: Geometry

Chapter 5: Trigonometry

M A R K E T R E P O R T

WEEKLY AVERAGE SLAUGHTER LAMB PRICES



NOTE: NO OR INSUFFICIENT SALES FOR CERTAIN WEEKS IN TORONTO

Lambco slaughter lamb prices dropped \$7 per cwt during October and, at \$80-83 per cwt, are currently about \$5 per cwt above year-ago prices. If normal seasonal marketing patterns hold, the current slaughter lamb price will be the yearly low for 1987. The spread between 1986 and 1987 prices has been narrowing over the year. In January, then-current prices were at a \$15 premium to year-ago prices. If this trend continues, Alberta slaughter lamb prices will be equivalent to year-ago prices levels by the end of 1987.

The October 29 sheep and lamb sale at Edmonton public stockyards saw about 750 head traded, with good slaughter lambs selling in the \$79-\$85 per cwt range. Feeder lambs of all weights sold for \$90-\$122 per cwt, while Lambland Feeders, Lacombe, is currently quoting a price range of \$90-\$95 per cwt for 65-75 lambs delivered. Feeder lamb prices in western US markets are currently exhibiting about a 30 per cent premium to the local market.

MARKET

— REPRESENTATIVE LIVE SALES —
OCTOBER 16, 1987

AREA	TYPE OF SHEEP	TYPE OF SALE	NUMBER	WEIGHT	WEIGHING CONDITIONS	PRICE (\$/cwt)
SOUTHWEST						
California	Spring	Direct	200	105-115	Choice & prime, No. 1 pelts, double dressed	67.00
California	Feeder	Direct	150	95-105	Choice & prime, No. 1 pelts, FOB overnight	69.00
MOUNTAIN						
Wyoming	Feeder	Direct	3,000	75- 85	Choice & fancy, woolled, FOB overnight	90.00
Colorado	Feeder	Auction	200	70- 77	Choice & fancy, woolled	98.00-101.00
Colorado	Feeder	Auction	200	78- 83	Choice & fancy, woolled	79.00- 83.00
Colorado	Feeder	Auction	250	83- 90	Choice & fancy, woolled	87.00- 89.50
Colorado	Feeder	Auction	250	90-100	Choice & fancy, woolled	80.00- 85.00
Montana	Feeder	Auction	900	50- 80	Choice & fancy, woolled	95.00-105.00
Montana	Feeder	Auction	400	80- 90	Choice & fancy, woolled	85.00- 93.50
Montana	Feeder	Auction	300	90-105	Choice & fancy, woolled	80.25- 90.25
Montana	S1. Ewe	Auction	350		Utility & good	25.00- 31.50
Montana	S1. Ewe	Auction	200		Utility	21.50- 25.50
Colorado	S1. Ewe	Direct	200	130-150	Utility	25.00
Colorado	Stock Ewe	Direct	950		Short term and broken mouth	(per hd.) 65.00
Colorado	Stock Ewe	Direct	200		Broken mouth	(per hd.) 60.00
Colorado	Stock Ewe	Direct	230		2 yr. old to solid mouth	(per hd.) 105.00
Colorado	Stock Ewe	Direct	400		Solid mouth to spreaders	(per hd.) 70.00
SOUTH CENTRAL						
Texas	Feedlot	Direct	5,500	95-120	115lb.wt.break, guarantee 51% yield, shorn	67.00- 69.00
Texas	Feeder	Auction	500	40- 60	Choice & fancy, woolled	101.00-111.50
Texas	Feeder	Auction	1,000	60- 65	Choice & fancy, woolled	98.00-110.00
Texas	Feeder	Auction	2,000	65- 75	Choice & fancy, woolled	89.00- 98.50
Texas	Feeder	Auction	2,000	75- 85	Choice & fancy, woolled	85.00- 91.00
Oklahoma	Stock Ewe	Auction	100		2-4 year olds	(per hd.) 80.00- 95.00
Oklahoma	Stock Ewe	Auction	100		Broken mouth	(per hd.) 45.00- 55.00
Oklahoma	Stock Ewe	Auction	200		Solid mouth	(per hd.) 60.00- 75.00
NORTH CENTRAL						
Nebraska	Feedlot	Direct	400	120-130	Choice & prime, shorn, FOB 4% shrink	66.00
Texas	Spring	Computer	835	110-130	120lb.wt.break, \$2 woolled & buck disc.	70.00- 70.50
Iowa-S. Minn	Spring	Direct	2,500	100-135	120lb.wt.break, \$2 woolled disc., FOB 4%	65.00- 67.00
Wisconsin	Spring	Computer	1,000	95-125	120lb.wt.break, \$2 woolled & buck disc.	70.50- 71.75
Minnesota	Spring	Computer	820	100-130	120lb.wt.break, \$2 woolled & buck disc.	69.00- 70.00
Minnesota	Spring	Auction	500	95-110	Choice & prime, \$2 woolled & buck discount	64.00- 67.00
Minnesota	Spring	Auction	300	110-130	Choice & prime, \$2 woolled & buck discount	60.00- 65.00
Minnesota	Spring	Auction	150	60- 75	Choice & fancy, woolled	85.00- 90.00
Minnesota	Spring	Auction	250	75- 90	Choice & fancy, woolled	75.00- 85.00
Minnesota	Spring	Auction	200	90-100	Choice & fancy, woolled	65.00- 75.00
S. Dakota	Spring	Auction	500	105-120	Choice & prime, \$2 woolled discount	66.50- 67.85
S. Dakota	Spring	Auction	500	120-130	Choice & prime, \$2 woolled discount	64.85- 66.75
N. Dakota	Feeder	Auction	1,000	70- 90	Choice & fancy, woolled	95.00-105.00
N. Dakota	Feeder	Auction	1,000	90-100	Choice & fancy, woolled	75.00- 81.00
N. Dakota	Feeder	Auction	800	100-105	Choice & fancy, woolled	72.00- 74.00
N. Dakota	Feeder	Auction	700	105-110	Choice & fancy, woolled	65.00- 70.00
N. Dakota	Feeder	Direct	1,500	65- 75	Choice & fancy, woolled, FOB overnight	100.00
S. Dakota	Feeder	Auction	2,500	45- 70	Choice & fancy, woolled	105.00-121.00
S. Dakota	Feeder	Auction	3,500	70- 80	Choice & fancy, woolled	94.50-106.00
S. Dakota	Feeder	Auction	2,500	80- 90	Choice & fancy, woolled	86.00- 93.00
S. Dakota	Feeder	Auction	1,000	90-100	Choice & fancy, woolled	70.00- 77.00
S. Dakota	Stock Ewe	Auction	200		6 year olds	(per hd.) 80.00- 81.00
S. Dakota	Stock Ewe	Auction	1,000		Short term	(per hd.) 48.00- 55.00
S. Dakota	Stock Ewe	Auction	150		Short solid mouth	(per hd.) 65.00- 69.00
S. Dakota	Stock Ewe	Auction	250		Yearlings	(per hd.) 140.00-150.00
EASTERN						
Virginia	Spring	Computer	669	95-125	Choice & prime, \$2 woolled discount	69.50- 69.75
Virginia	Spring	Auction	350	95-125	Choice & prime, woolled & shorn	62.50- 70.00
Michigan	Spring	Auction	750	100-120	Choice & prime, woolled & shorn	68.00- 69.00
Michigan	Feeder	Auction	250	60- 75	Choice & fancy, woolled	93.00
Michigan	Feeder	Auction	250	75- 85	Choice & fancy, woolled	86.00
Michigan	Feeder	Auction	250	85- 95	Choice & fancy, woolled	82.00
Michigan	S1. Ewe	Auction	375		Utility & good	25.00- 32.00

— WOOL UPDATE —

Domestic wool market inactive as most warehouses busy grading and shipping wool. The Australian market in Geelong was mostly unchanged to 10A cents higher with 20 micron and finer 28A cents higher per kilo clean. In Fremantle, prices ranged from 10-20A cents higher with full advance on 20.5 micron

and finer. The market indicator was up 23A cents per kilo clean to 854A cents per kilo. South African markets were 4% higher for 20, 23, and 24 micron fleeces and locks with 22 and 25 micron up to 2% higher while 21 micron was up 9%.

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT LAMBCO

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON						
OCT 1987	82.00-85.00	80.00-83.00	80.00-83.00	80.00-83.00		80.50-83.50
LAST MON						
SEP 1987	88.00-91.00	88.00-91.00	88.00-91.00	86.00-89.00	86.00-89.00	87.20-90.20
YR AGO MON						
OCT 1986	77.00-80.00	77.00-80.00	75.00-78.00	75.00-78.00		76.00-79.00
VOLUMES						
OCT 1987	1,270	1,155	1,399	1,383		5,207
OCT 1986	2,238	1,120	1,306	926		5,590

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT TORONTO PUBLIC STOCKYARDS

(With Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	95.00-100.00	94.00-109.00	96.00-111.00	100.00-119.00		103.31
OCT 1987	(98.43)	(106.71)	(103.53)	(104.26)		
LAST MON	90.00-98.00	88.00-101.00	95.00-102.00	90.00-103.00	90.00-100.00	94.92
SEP 1987	(94.97)	(91.65)	(98.27)	(95.50)	(94.23)	
YR AGO MON	92.00-100.00	N.E.P.	91.00-114.00	95.00-106.00		100.41
OCT 1986	(98.24)		(111.59)	(98.56)		
OCT/87 VOLUMES	83	94	122	60		359
AVERAGE WEIGHT	99.3 lb	100.9 lb	101.6 lb	102.6 lb	lb	101.1 lb

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 80-95 LBS TORONTO PUBLIC STOCKYARDS

(Weighted average price in brackets beneath each range)


	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	95.00-113.00	97.00-114.00	96.00-115.00	105.00-118.00		107.11
OCT 1987	(103.21)	(109.31)	(104.59)	(110.99)		
LAST MON	90.00-110.00	90.00-104.00	96.00-114.00	92.00-116.00	95.00-110.00	100.06
SEP 1987	(96.25)	(98.36)	(105.84)	(99.29)	(100.58)	
YR AGO MON	95.00-112.00	94.00-114.00	99.00-122.00	98.00-114.00		106.78
OCT 1986	(103.24)	(109.15)	(112.50)	(103.73)		
OCT/87 VOLUMES	231	118	336	384		1,069
AVERAGE WEIGHT	86.2 lb	89.0 lb	87.9 lb	86.1 lb	lb	87.0 lb

Prices quoted for 95-110 lb lambs are bid prices at Lambco and auction prices at Toronto Public Stockyards for good quality lambs. The lower end of the Alberta price range reflects bids for short haul or unshrunk lambs while the upper end of the range represents bids for long haul or shrunk lambs. Producers delivering to the Toronto Public Stockyards pay commission and yardage fees for each animal sold. Producers delivering to Lambco pay \$1/head checkoff to the Alberta Sheep and Wool Commission.

The Toronto auction price is from the Special Sheep and Lamb Sale held on Monday each week.

N.E.P. - No established price

Ron Gietz, Market Economist
Market Analysis Branch
Phone: (403) 427-4002
November 5, 1987



Coming Events

1987

November 26

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Rob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

November 28

Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.

December 4

Blindman Valley Sheep Producers Meeting. 8 P.M. Speakers from Western Breeders will speak on Sheep A.I. At Michael Messing's Farm (From Eckville - 3 miles North on pavement. East 1 mile on pavement. North $\frac{1}{2}$ mile on gravel. West side of road). Please call Michael (746-5483) and confirm attendance at least one week prior to meeting.

December 10

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

December 12

Annual Meeting Alberta Sheep Breeders' Association. Olds College, Olds, Alberta. 10:00 A.M.

December 26

Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.

1988

January 7

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

January 21

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

January 30

Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.

Serving Sheep and Goat Producers!

We are a new company serving both Sheep and Goat producers with quality service on a complete line of products, at competitive prices.

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VOLUME 12, NUMBER 6
November, December 1987

The following publications are now available from Alberta Agriculture, Print Media Branch, Main Floor, 7000 - 113 Street, Edmonton, Alberta, T6H 5T6.

ALBERTA AGRICULTURE PUBLICATIONS

Agdex Number

- 001 Publications List. 1987. 40 pages.
- FS100/81-7 1986 Average Analysis of Alberta Feeds. 1987. 5 pages.
"Agri-Fax."
- FS420/10-4 Systematic Beef Herd Management. 1987. 4 pages. COUNTRY GUIDE
insert October 1987.
- FS440/841-1 Timely Marketing of Finished Hogs. 1987. 5 pages. Alberta
Pork Production Handbook.
- FS555-3 Estimating Subsurface Drain Spacing for Irrigated Soils. 1987.
2 pages. "Agri-Fax."
- FS685-7 Swallow Control. 1987. 4 pages. "Agri-Fax."
- FS740-3 Farm Implement Contracts. 1987. 2 pages. "Agri-Fax."
- FS740-4 Shop Work Orders for Farm Machinery Repairs. 1987. 2 pages.
"Agri-Fax."
- FS837-21 Tax Reform and Agriculture. 1987. 4 pages. COUNTRY GUIDE
insert November 1987.

Homedex Number

- 1823-40-1 Financial Security and the Farm Family: Household and Personal
Inventory. 1987. 5 pages.

PUBLICATIONS FROM OTHER AGENCIES

- 771-2 Emergency Standby Power. Revised 1987. Published by TransAlta
Utilities.

8

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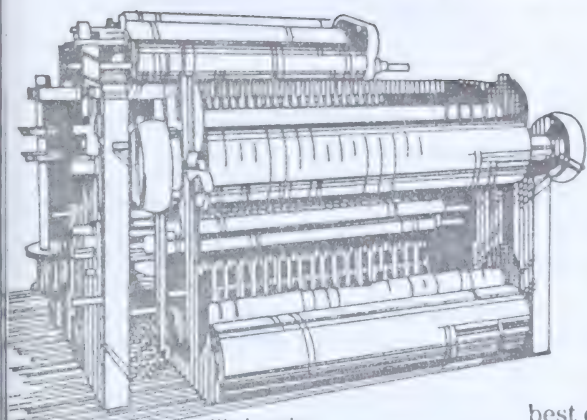
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Custom Woolen Mills is the only facility in western Canada which offers a total approach to industry service. Sheep producers in several provinces depend on us for hide and wool processing, including mohair processing.

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One exciting new development which has enhanced our service to sheep producers, while boosting the marketability of our products, is the addition of a colour dye facility. Originally, Custom Woolen Mills provided only natural colours. Today, a rich array of select fashion colours is available, too. So now, you can look to us for the best of both worlds – the old and the new – under one roof in the heart of rural Alberta.



Wool carder
(circa 1910)

The products of Custom Woolen Mills

Prairie Wool Products

Soft, thick, with good spring, Prairie Wool Products will delight those who enjoy hand-crafting traditional gifts.

- Rovings – 2" to 3" diameter
- Spinning Batts – 60" x 90", individually weighed
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- Quilting Batts – 60" x 90", individually weighed

Wool Spinner Yarns

- Single-ply
- Soft Spun – two-strand densities
- Plied Yarn – two- or three-ply

Old Country Comforters

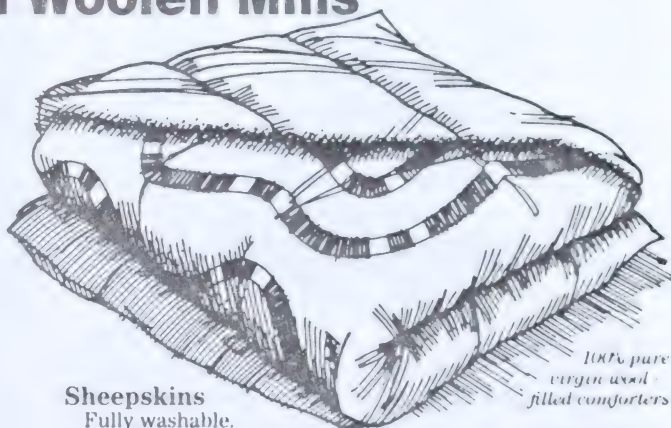
Available in King, Queen, Double, Twin, Single or Crib. 100% are virgin wool fill; choice of muslin or cotton coverings in a wide range of colours.

Country Style Mattress Overlays

Available in King, Queen, Double, Twin or Single. 100% pure virgin wool fill; covering in choice of colours, cotton or muslin.

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- Spinning rolls and rovings – 50/50 mix



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virgin wool
filled comforters

Sheepskins

Fully washable.
Long wool for rugs and hangings; shearlings for handi-crafts.

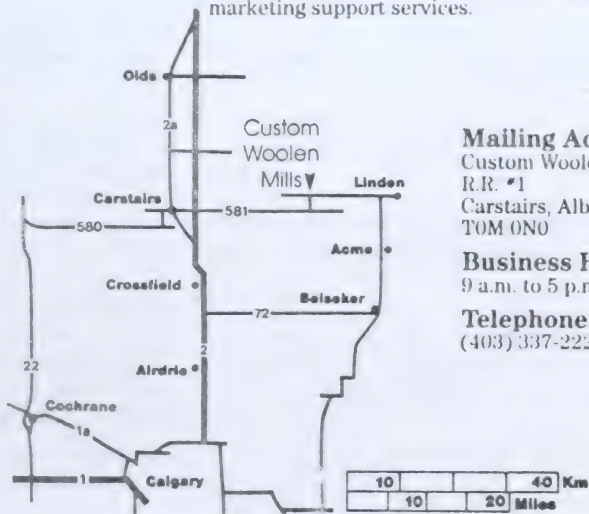
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Business Hours:

9 a.m. to 5 p.m., Monday through Friday

Telephone:

(403) 337-2221

The Classifieds

FOR SALE - SHEEP

1986 RAM, 3/4 Hampshire, Mouritsen breeding 1/4 Finn (twin). Contact E & U Jones, 675-4099 (11)

.....
 REGISTERED HAMPSHIRE ram. 3 years old. Proven producer. \$150. Contact Lynn Langlois, Tangent, 359-2146 (11)

.....
 1 BLACK ram lamb. Weighs over 135 lbs. Would make an excellent teaser. Also commercial crossbred ewe lambs. 7 yrs of records available. ROP. From a Finn/Dorset ram of Brenda Booker's. Contact Jennifer at 682-2490 or Neil at 682-2480 (11)

.....
 FINN X and purebred Suffolk ewe lambs available. Contact Reg & Val Underhill, Vergal Farms, Ardrossan, 922-2507 (11)

.....
 HORNED DORSET ram. 2½ yrs old. Twin. Wiebe and Crooked Post breeding. Excellent progeny growth. \$150. Contact Larry Roy, Innisfree, 592-2183 (11)

.....
 PUREBRED AND Commercial Rambouillet ewe lambs. Happy Valley Farms, Magrath, phone 758-3475 (11)

.....
 SUFFOLK RAM lamb. Lot #62 from this year's Ram Test Station sale. He's growing out well, nothing wrong with him except I wanted a Hamp (but couldn't afford one). Chris says if I can sell this lamb for what I paid (\$325) I can buy a Hamp. Anyone care to help me out? Betty Harvey, 843-3494 (11)

.....
 HILL VALLEY Farm has Columbia X Rambouillet, Clun Forest X Suffolk ewe lambs \$135 each, Dorset X Suffolk yearling ewes \$140 each, also good sound mature ewes \$125 each. ROP tested. Routinely wormed and vaccinated. Contact Peg & Rod Baynton, Lloyminster, 403-875-6372 (11)

.....
 1 SUFFOLK ram lamb. Twin. Contact Sue Scott, Calgary, 931-3867 (11)

.....
 SUFFOLK RAM lambs. Ready for fall breeding. ROP. Contact Jim & Joanne Pearson, Bowden, 224-3026 after 6 PM (11)

.....
 30-40 EWE lambs. Cheviot/Corriedale/Columbian cross. Available after November 10. Will sell at market price. Contact Ed Erickson, Peers, 693-2204 (12)

.....

12 RAMBOUILLET/SUFFOLK/FINN ewe lambs. Born in April. ROP tested. From minimal disease flock. Regularly wormed and vaccinated. Also 2 Rambouillet/Suffolk ram lambs. 121 and 134 index on ROP. And up to 10 bred ewes available in December. Contact Deb or Ian Clark, Medicine Ridge Farm, Bentley, 748-2624 (11)

.....
 REGISTERED NORTH Country Cheviot ram lambs and 1 registered Suffolk ram lamb. Contact Lyle Hammer, Red Water, 942-4184 (12)

.....
 4 REGISTERED Suffolk ewe lambs. Reasonably priced. Contact Sprucevale Suffolks, Denise VandenBrink, Blackfalds, 885-5161 (12)

.....
 PUREBRED ROMNEY ram lamb. April born to Bramblewood (B.C.) ewe and sired by Judah (Washington) ram. Both were purchased at World Sheep Congress. Excellent wool - \$250. Special note to spinners - the Judah rams fleece weighed 17 lbs after skirting and was awarded reserve champion at Lambs in Lacombe. Contact Ester or Henry Lambert, Winfield, 682-3742 (12)

.....
 50 MIXED 1987 lambs, 60 - 85 lbs, \$80. Contact Rene Fisher, Irricana, 934-4733 (12)

.....
 5 BRED Suffolk ewe lambs - \$125. Contact W. Mahood, Cochrane, 932-2870 (12)

.....
 70 FEBRUARY born lambing 3-5 year old Suffolk ewes. 20 3-way cross white face ewe lambs. 18 Suffolk ewe lambs. Contact Cal Mitchell, 470-0478 (12)

.....
 53 BRED yearling ewes - 1/2 Columbia, 1/2 Rambouillet bred to Suffolk. 18 bred ewe lambs - 3/4 Columbia, 1/4 Rambouillet bred to Suffolk. 2 Suffolk rams. Contact Gerhard Wall, Hays, 725-2104 (12)

.....
 BY BRIGHTBANK Finnsheep. Registered Finn sheep. Ram lambs and yearlings. Top quality sheep with production records from a disease-free flock. For information or to arrange visit call Kathy Playdon, Stony Plain, 963-0416 (11)

.....
 20 REGISTERED Suffolk ewes & 5 ewe lambs - \$200 each. 1 Registered Suffolk ram - twin. 1½ years. Full brother to highest gaining Suffolk ram at '87 Ram Test Station Sale, Olds - \$300. Contact Glen Kershaw, Didsbury, 335-4983 (12)

.....

FOR SALE - GOATS

YOUNG TOGGENBURG buck and Toggenburg doe.
Reasonable. Contact Belle Anne, Tofield,
662-3537 (11)

.....
LA MANCHA and Nubian goats. Recorded La Mancha
does bred for February - \$200. Registered Nubian
star-buck from show-winning stock, son of star-
milkier, \$300. La Mancha buck - \$300. Order '88
kids now - \$100 up. Contact J. Benger, Nurabian
Farm, Drayton Valley, 727-2491 (11)

.....
BRED MILK goats to freshen mid-March. Some
purebred Alpines, some Saanen/Alpine cross. Very
tame and gentle. Good for raising orphan lambs.
Contact Wayne Henze, Box 62, Rose Prairie, B.C.
VOC ZHO, (604) 827-3864 (12)

.....
"CAPRIANNE HANK" born March 6, 1984, #S027241. Sire
Motherlodes Sabrina's Aron 2. Dam Yohi Starborn.
Offers. Contact Susan de Beurs, Ardrossan,
922-5914 (after six) or 464-6400 (days) (12)

FOR SALE - DOGS

.....
WHITE TOY Poodle males, pups or adult. CKC
registered and tattooed - \$200. Contact John or
Joanne Benger, Drayton Valley, 727-2491 (11)

.....
PUREBRED AUSTRALIAN Shepherd pups. The versatile
stock dog (Not blue heelers). Call 675-3344 (11)

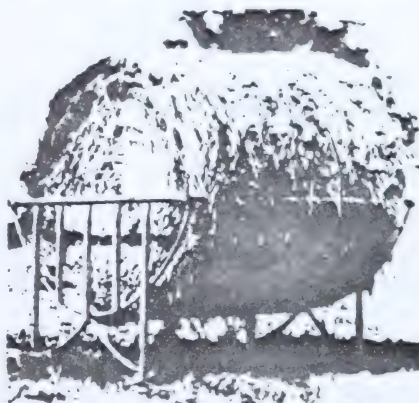
.....
FAMILY STOCK dogs. Dam - Australian shepherd.
Sire - Border Collie. Both working parents.
Wormed, vaccinated with vet health records. Ready
to go! Call Roy Penniket, Enchant, 739-3787 (11)

.....
1 COMMODORE cross Border Collie pup. Female.
8 weeks old. Contact John Howard, Didsbury,
335-9155 (12)

FOR SALE - MISCELLANEOUS

525 ACRE sheep farm with 200 acres fenced with
page wire and cross fence. Modern home and corral
set up for sheep. Corral and building easily
changed to other livestock operation. 100 miles
N.W. of Edmonton, near Ft. Assiniboine. Can be
purchased with flock and machinery or land
purchased separately. Call Eldwin J. Wakefield,
584-3783 (11)

.....
METAL ROUND Bale Feeders for sheep. No more
crushed lambs! We're using them and they're great!
\$225. Rodney Cecato, Eckville, 746-5633 (11)



.....
ROUND BALE Feeders. Two ends slide together. Made
of 1" square tubing - \$295. Contact A.J. Ewew
Handle-Her Equipment, Didsbury, 335-9155 (12)

FOR SALE OR TRADE

.....
1980 GM half ton, short box, truck topper. 930
Case for parts. Will trade for young Suffolk
cross ewes or ewe lambs. Call Delbert Pratt,
Esther, 664-2053 (11)

WANTED - SHEEP

.....
1 SUFFOLK or Cheviot ram for use this fall. Call
Susan Brodersen, Winfield, 682-2113 (11)

50+ FDM X (Suffolk, Columbia, Rambouillet) ewes.

Please contact and quote price including delivery to Marie Michon, 8020 Des Bouvreuils ste.

Gertrude, Quebec, COX 2X0 (11)

50 SUFFOLK crossed ewes with Columbian or Hampshire or straight Suffolk. Either lambs or 1 or 2 year old ewes. Contact Keith Griffith, 556-2275 (12)

250-300 GOOD Commercial ewes between 2-6 yrs old. Suffolk cross preferred. Contact Rene Fisher, Irricana, 935-4733 (12)

WANTED - MISCELLANEOUS

GOOD USED electric sheep shears. Contact Susan Brodersen, Winfield, 682-2113 (11)

PERSON WITH expertise and facilities suitable for use as a pre-export quarantine station for Angora goat kids for the month of December or January. A suitable barn, feeders and pens are needed for up to 100 goats. No other cloven-hooved livestock are permitted on the property. Contact Dorothy Broadbent at 783-5927 if you are interested and live within an area accessible to Calgary and Edmonton airports. (11)

FOR WOOL Shop in high tourist traffic area. Handmade wool and sheepskin items. Contact Glynn or Donald Brooks, Cee-Der Chalets, Box 525, Carmore, TOL QMO, 678-5152 (12)

HELP AVAILABLE

FOR EXPERIENCED help during lambing, contact Angela Boulet, Wetaskiwin, 352-1659. Book now to ensure help, will travel. (12)

SERVICES

CONTACT DOROTHY Broadbent at 783-5927 if you are interested in showing goats or promoting Angora goats and their products at the Grande Prairie show the beginning of August next year. (11)

WOOL PROCESSING Service available. Custom wash, pick and card your wool into batts. 20" x 72" or rovings. Color and fiber blending. Gentle individual treatment of your fleeces (well skirted please). No minimum amount. For fast and friendly service contact Trudy Korsmann, Box 98, Montney, B.C., VOC 1Y0, (604) 827-3215 (Evenings and weekends OK) (12)

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EDITOR'S NOTE

Classified Ads and Coming Events may be placed in Sheep Footnotes free-of-charge by contacting:

*Janet Smalley
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
T6H 5T6*

Ph: (403) 427-5077

*Karren Green
Alberta Agriculture
Bag Service #1
Airdrie, Alberta
T4B 2C1*

Ph: (403) 948-8515

The deadline for Classified Ads and Coming Events is the last day of the month prior to the month of publication.

Coming Events will be run every month from when they are placed until the event. Please Note: Events should be placed in Coming Events at least 6 weeks in advance in order to ensure their publication before they occur.

Classified Ads will run initially for two months, unless cancelled after the first month. After the first two months, ads may be renewed each month by contacting Janet Smalley at 427-5077. Ads must not exceed two column inches in length or they will be edited. Full page ads and half page ads will be run for one month. If you want your full page ad condensed into a Classified Ad for the next two months, please indicate this when you send in the ad. Sheep Footnotes reserves the right to restrict the length, content and run of any Classified Ad.

EDITORS OF OTHER PUBLICATIONS

Material in Sheep Footnotes may be reprinted in other publications, but source must be stated and content of articles may not be changed without authors' permission.





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sheep footnotes



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Editor: Wray Whitmore
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 Edmonton, Alberta
 427-5077

Advertising: Janet Smalley
 Beef Cattle & Sheep Branch
 7000 - 113 Street
 Edmonton, Alberta
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 AGRICULTURE

Animal Industry Division
 Beef and Sheep Branch

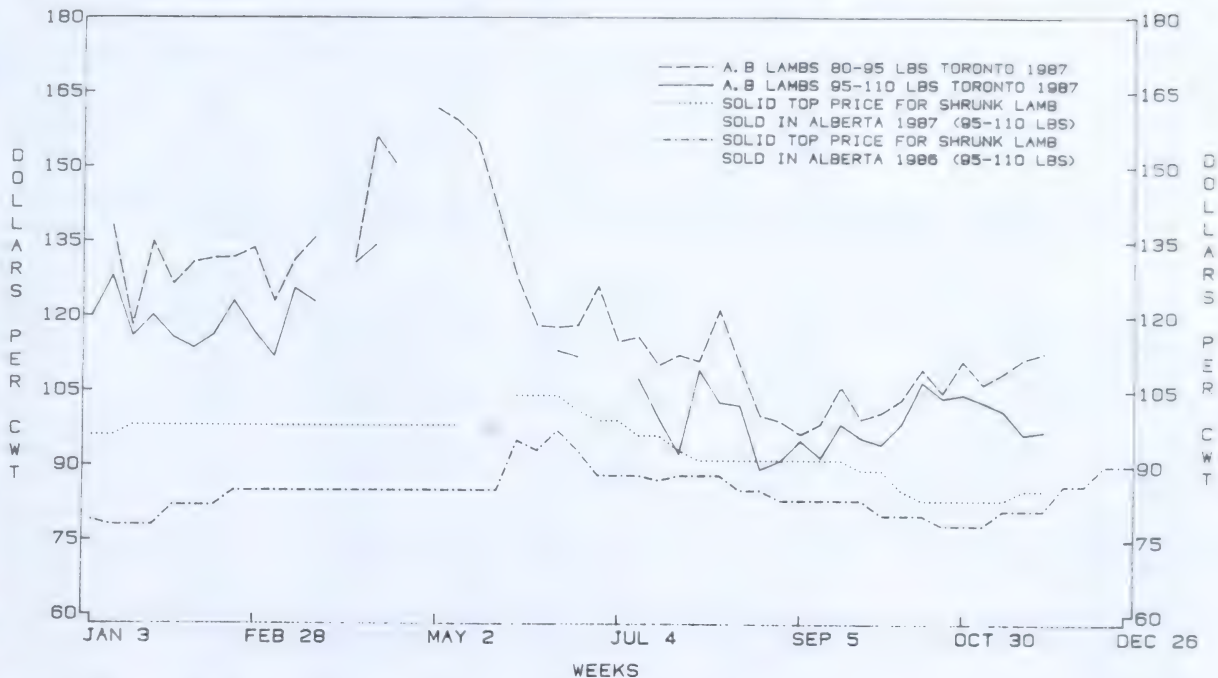


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MARKET REPORT

WEEKLY AVERAGE SLAUGHTER LAMB PRICES



NOTE: NO OR INSUFFICIENT SALES FOR CERTAIN WEEKS IN TORONTO

Lambco, Innisfail, slaughter lamb prices have begun to rebound from the yearly low range of \$80.00-\$83.00 per cwt, the prevailing price range during late October and most of November. Lambco price range for the week beginning November 30, 1987 was \$86.00-\$89.00 per cwt live, or \$1.89 railgrade. This price range is \$3.00 per cwt above year-ago levels. Slaughter lamb prices are expected to continue to increase slowly in response to seasonally lower marketings during early winter.

At the monthly sheep and lamb sale at Edmonton Public Stockyards on November 26, 300 head were sold, including 164 head of slaughter lambs. Slaughter lambs traded at an average price of \$84.00 per cwt, while feeder lamb prices ranged from \$100.00-\$138.00 per cwt, averaging \$111.50. Ewes sold for \$58.00 per head. Toronto sheep and lamb prices remain steady to slightly higher. Readers are encouraged to call the Alberta Sheep and Wool Commission market line at 291-9884, for current market information.

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT LAMBCO

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON						
NOV 1987	80.00-83.00	80.00-83.00	82.00-85.00	82.00-85.00		81.00-84.00
LAST MON						
OCT 1987	82.00-85.00	80.00-83.00	80.00-83.00	80.00-83.00		80.50-83.50
YR AGO MON						
NOV 1986	75.00-78.00	78.00-81.00	78.00-81.00	78.00-81.00		77.25-80.25
VOLUMES						
NOV 1987	1,375	1,213	1,334	1,221		5,143
NOV 1986	1,287	1,410	1,468	1,583		5,748

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 95-110 LBS AT TORONTO PUBLIC STOCKYARDS
(With Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	96.00-109.00	95.00-110.00	90.00-105.00	95.00-113.00		100.16
NOV 1987	(102.75)	(100.99)	(96.30)	(96.92)		
LAST MON	95.00-100.00	94.00-109.00	96.00-111.00	100.00-119.00		103.31
OCT 1987	(98.43)	(106.71)	(103.53)	(104.26)		
YR AGO MON	90.00-103.00	101.00-107.00	95.00-103.50	99.00-110.00		101.53
NOV 1986	(99.16)	(102.88)	(99.17)	(106.60)		
NOV/87 VOLUMES	182	58	61	88		389
AVERAGE WEIGHT	102.6 lb	102.3 lb	102.0 lb	104.9 lb	1b	103.0 lb

PRICE RANGE AND VOLUMES FOR GOOD LAMBS 80-95 LBS TORONTO PUBLIC STOCKYARDS
(Weighted average price in brackets beneath each range)

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	MONTHLY SUMMARY
CURRENT MON	100.00-113.00	92.00-119.00	100.00-112.00	102.00-122.00		109.81
NOV 1987	(106.29)	(108.6)	(111.40)	(112.60)		
LAST MON	95.00-113.00	97.00-114.00	96.00-115.00	105.00-118.00		107.11
OCT 1987	(103.21)	(109.31)	(104.59)	(110.99)		
YR AGO MON	99.00-114.00	100.00-117.00	95.00-118.00	106.00-121.00		107.05
NOV 1986	(105.71)	(107.99)	(104.67)	(111.87)		
NOV/87 VOLUMES	218	135	116	267		736
AVERAGE WEIGHT	88.2 lb	91.7 lb	89.2 lb	85.4 lb	1b	87.98 lb

Prices quoted for 95-110 lb lambs are bid prices at Lambco and auction prices at Toronto Public Stockyards for good quality lambs. The lower end of the Alberta price range reflects bids for short haul or unshrunk lambs while the upper end of the range represents bids for long haul or shrunk lambs. Producers delivering to the Toronto Public Stockyards pay commission and yardage fees for each animal sold. Producers delivering to Lambco pay \$1/head checkoff to the Alberta Sheep and Wool Commission.

The Toronto auction price is from the Special Sheep and Lamb Sale held on Monday each week.

N.E.P. - No established price

Ron Gietz, Market Economist
Market Analysis Branch
Phone: (403) 427-4002
December 3, 1987

MARKET

** REPRESENTATIVE LIVE SALES **
NOVEMBER 13, 1987

AREA	TYPE OF SHEEP	TYPE OF SALE	NUMBER	WEIGHT	WEIGHING CONDITIONS	PRICE (\$/cwt)
SOUTHWEST						
California	Spring	Direct	200	120-130	Choice & prime, shorn, double dressed	62.00
MOUNTAIN						
Montana	Feeder	Direct	1,700	90	Choice & fancy, woolled, FOB overnight	83.22
Montana	Feeder	Auction	300	50- 70	Choice & fancy, woolled	92.00-103.00
Montana	Feeder	Auction	350	70- 80	Choice & fancy, woolled	85.00- 92.00
Montana	Feeder	Auction	500	80- 90	Choice & fancy, woolled	78.00- 85.50
Montana	Feeder	Auction	400	90-100	Choice & fancy, woolled	71.50- 78.00
Montana	Feeder	Auction	300	100-115	Choice & fancy, woolled	65.25- 70.25
Montana	Stock Ewe	Auction	200	100-105	Ewe lambs, blackface	74.00- 74.75
Montana	Stock Ewe	Auction	600		5 year old (per hd.)	105.00
SOUTH CENTRAL						
Texas	Feedlot	Direct	5,000	95-125	30 cents off @ 115lbs., guarantee 51% yield	64.00- 66.00
Texas	Feedlot	Direct	400	100-110	Choice & prime, shorn, FOB 4% shrink	66.50
Texas	Feedlot	Direct	14,500	100-115	115lb.wt.break, Jan-Apr.del., FOB 4% shrink	82.00
Texas	Feeder	Auction	300	40- 60	Choice & fancy, woolled	98.00-106.00
Texas	Feeder	Auction	900	60- 70	Choice & fancy, woolled	90.00- 99.50
Texas	Feeder	Auction	1,200	70- 80	Choice & fancy, woolled	82.50- 91.00
Texas	Feeder	Auction	1,300	80- 90	Choice & fancy, woolled	74.50- 85.00
Texas	Feeder	Auction	800	90-100	Choice & fancy, woolled	72.00- 81.00
NORTH CENTRAL						
Wisconsin	Spring	Computer	740	100-125	30 cents off @ 115lbs., \$2 woolled disc.	64.25- 64.75
Minnesota	Spring	Computer	400	120-140	30 cents off @ 115lbs., 35 cents off @ 135lbs., \$2 woolled & buck disc., 3% shr.	63.00
Minnesota	Spring	Auction	300	95-120	Choice & prime, \$2 woolled discount	62.00- 64.00
Minnesota	Spring	Auction	400	120-135	Choice & prime, \$2 woolled discount	60.00- 62.00
Iowa-S. Minn	Spring	Direct	2,500	115-125	30 cents off @ 115-120lbs., \$2 woolled disc.	64.00- 65.00
Minnesota	Feeder	Auction	300	60- 70	Choice & fancy, woolled	90.00-100.00
Minnesota	Feeder	Auction	300	70- 80	Choice & fancy, woolled	80.00- 90.00
Minnesota	Feeder	Auction	400	80- 90	Choice & fancy, woolled	70.00- 80.00
S. Dakota	Feeder	Auction	500	70- 80	Choice & fancy, woolled	90.00- 98.00
S. Dakota	Feeder	Auction	500	80- 90	Choice & fancy, woolled	82.00- 88.00
S. Dakota	Feeder	Auction	350	90-100	Choice & fancy, woolled	75.00- 81.00
S. Dakota	Feeder	Auction	400	100-125	Choice & fancy, woolled	85.00- 75.00
S. Dakota	Stock Ewe	Auction	100		Spreaders to broken mouth (per hd.)	71.00- 76.00
S. Dakota	Stock Ewe	Auction	800		Yearlings (per hd.)	127.50-132.50
EASTERN						
Ohio	Spring	Auction	1,000	100-125	Choice & prime, woolled & shorn	58.00- 62.00
Michigan	Spring	Auction	600	100-125	Choice & prime, \$2 woolled discount	63.00- 66.00
Michigan	Feedlot	Direct	400	105-115	110lb.wt.break, no pay over 120lbs., Jan. del., shorn, delivered	86.00
Michigan	Feeder	Auction	150	50- 70	Choice & fancy, woolled	75.00- 82.00
Michigan	Sl. Ewe	Auction	325		Cull to good	18.00- 34.00

** WOOL UPDATE **

Demand for domestic wool was good this week, but available supplies are scarce for immediate needs. Some interest noted on contracting fine wools for next spring delivery as evidenced by the offering this week of the graded clip from American Wool & Mohair Warehouse Assn. An estimated 1-1.5 million pounds were offered at a sealed bid sale with the actual amount contracted dependent on grower acceptance within the week. Wool is stipulated to be Texas raised and shorn from whiteface sheep, skirted with bellies, short staple and tender wool out, paint free or guaranteed scourable paint and less than 2% vegetable matter content. Prices CWF, FOB warehouse on strict micron and length specifications as follows:

MICRON	3-1/4" & UP	3-3-1/4"	2-3/4-3"
Finer than 19.75	\$5.45	\$5.40	\$5.30
19.75-20.50	\$4.65	\$4.60	\$4.50
20.51-21.25	\$3.65	\$3.60	\$3.50
21.26-22.00	\$2.92	\$2.87	\$2.77
In 1987, the graded wool from this group was sold as follows:			
Finer than 20.00	\$3.60	\$3.55	\$3.45
20.01-21.00	\$3.31	\$3.26	\$2.96
21.01-22.00	\$3.11	\$3.06	\$2.96

Australian wool prices were lower this week for all micron categories except for 19 micron which was 1A cent higher. The market indicator fell 16A cents to 893A cents per kilo clean. AWC stocks fell to 191,904 bales. The Australian wool market at the end of the week was as follows:

MICRON	MARKET	MICRON	MARKET	MICRON	MARKET
19	1800	23	812	27	598
20	1471	24	701	28	598
21	1087	25	621	30	593
22	918	26	601		

Prices are Australian cents per kilo clean.

Exchange rate is .6825 Australian cents per U.S. dollar. Australian spot prices ex-Charleston duty included in U.S. cents per pound this week was:

MICRON	PRICE	MICRON	PRICE	MICRON	PRICE
20	540	24	262	28	224
21	397	25	231	29	226
22	336	26	225	30	220
23	301	27	226		



1987

December 12

Annual Meeting Alberta Sheep Breeders' Association. Olds College, Olds, Alberta. 10:00 A.M.

December 26

Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.

1988

January 7

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

January 21

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

January 30

Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.

February 18

North-Central Sheep Sales. Fat and Feeder Lambs. Edmonton Public Stockyards. Deadline for sheep deliveries at all sales is 9:00 A.M. For additional information contact Bob Shopland, Edmonton, at 455-2287 or Bruce McGhan, Calmar at 985-3744.

February 27

Monthly Sheep and Goat Sale at Camrose Auction Market, 672-4496, Camrose at 3:00 P.M. For further information contact S. Spahic, Box 89, Hay Lakes, TOB 1W0, phone 878-3784.



REPLACEMENT BRED SHEEP SALE

THURSDAY, DECEMBER 17, 1987 - 1:00 P.M.

AT FORT MACLEOD AUCTION

800 HEAD OF BRED EWES AND LAMBS

PARTIAL LISTINGS

EWE LAMBS

EWES

100 Columbia bred Columbia
18 Columbia bred Suffolk
100 Suffolk cross bred Suffolk or
Rambouillet
100 Suffolk bred Suffolk or Rambouillet

40 Head DISPERSAL Finn Rambouillet
yearlings bred Suffolk
53 Head DISPERSAL Columbia, Rambouillet
yearlings bred Suffolk
50 Suffolk & Suffolk cross yearlings &
2 year olds bred Suffolk
48 Rambouillet, Columbia cross bred
Suffolk
28 Suffolk & Suffolk cross bred Suffolk
15 Hampshire bred Hampshire

FOR FURTHER INFORMATION CALL GEORGE BOURASSA

AT FORT MACLEOD AUCTION - 553-3315

OR AT HOME - 553-2196



PREGNANCY DIAGNOSIS USING ULTRASOUND

Many claims have been made regarding the usefulness and accuracy of ultrasonic equipment in pregnancy diagnosis in sheep. Ultrasound is simply sound waves that have a very high frequency, greater than the human ear can detect. In pregnancy diagnosis in sheep three types of ultrasound can be used. All three operate on the principle of projecting an ultrasound beam into the animal's abdomen from external or internal (rectal) probes. The beam is reflected back to the probe by objects in the abdomen at slightly altered frequency. The doppler ultrasound detects foetal heart beat, foetal movement and blood flow in uterine and placental blood vessels. The probe transmits the beam and detects it and with an amplifier and headphones, or loud speaker, the various sounds, such as foetal heart beat, can be heard. The A scan machines depend on the ability of various tissues and fluids to reflect the ultrasound beam. Fluid filled areas, like the pregnant uterus, fail to reflect the beam. If the beam hits the uterus reflection is lost. This result is handled by the various machines in different ways, some give a peak or movement of a coloured beam on an oscilloscope screen, others more simply cause a light to go on, or a buzzer to go on, or change tone. The third type of machine is the real-time scanner which uses multiple probes and produces an image of the uterus on a screen. This is 100% accurate very early in pregnancy (30 days), but too expensive for purchase by individual producers. In some countries commercial real-time ultrasound services are available, but thousands of ewes per season have to be processed to make it economical.

Both doppler and A scan external probes are most common, but rectal probes are probably more accurate. The external probe is best positioned on the right of the abdomen just in front of the teat, on an area of clear skin. Oil is used to make good contact, poor contact results in no beam transmission. The ewe can be tested standing, or restrained on her rump. The probe is pressed hard against the skin and directed slowly from left to right and backwards and forwards. In using the A scan it is helpful to remove water for 12 hours before testing, to avoid detecting the bladder and getting a false pregnancy diagnosis. Both techniques can be 90% accurate in determining pregnant ewes at and beyond day 60 of pregnancy. Accuracy can be improved by rechecking non pregnant ewes. The producer would need to determine the latest a ewe may have been bred and recheck open ewes 60 days past that date.

The accuracy of doppler and A scan ultrasounds depends on the experience of the operator and the time he is willing to spend with each ewe. Accurate results can be obtained in a few minutes per ewe, if the operator is constantly using the machine. Results maybe quite frustrating for the operator who tries to use the machine once a year! Most makes of doppler machines are useful to the experienced user and are probably preferable where limited use and small numbers of animals are involved. There are a greater variety of makes of A scan machines and unfortunately results of tests of different models vary quite considerably. They are appealing, as they look simple to use, but patience and experience are still important. Claims are made for both types of machines

for accurate pregnancy diagnosis earlier in pregnancy and for the dopplers to be able to accurately diagnose twins. However, the results of most studies do not suggest these claims would hold in commercial use. In the final analysis, the producer needs to ask how important it is to be able to diagnose pregnancy at 60-70 days or later, does he have the time to do it well and will he do enough ewes each year to keep in practice.

Dr. N. C. Rawlings
Dept. of Vet. Physiological Sciences
W.C.V.M.
University of Saskatchewan
Saskatoon, Saskatchewan
S7N 0W0
(306) 966-7357 (966-7373)



P A T R O N S

PROVINCIAL GRAZING RESERVES

As discussed at the 1987 Annual Meetings;
please be advised of the following:

- A. Permit fee and deposit are due at the time of application.
- B. Deposit is refunded if no allotment is received.
- C. Deposit is refunded if application is cancelled prior to the allotment meeting in mid-February.
- D. Permit fee of \$10.00 is non-refundable in any case.
- E. Deposit is forfeited if cancellation is made after mid-February and prior to April 15, 1988.
- F. Full grazing fees will be charged for cattle not entered, if formal cancellation was not submitted prior to the April 15 deadline.
- G. Exception will be made only in the case of sick livestock or late calving cows.

If you require further clarification of this policy, please contact the West Central Grazing Reserves Office at 542-3537. Change or cancellation letters should be forwarded to Box 411, Drayton Valley, Alberta T0E 0M0.

MEDICINE LAKE (SHEEP) PROVINCIAL GRAZING RESERVE

===== 1988 GRAZING SEASON =====

Applications for the grazing of sheep on the Medicine Lake Provincial Grazing Reserve will be accepted up to January 31, 1988.

The allotment meeting will be held in February 1987 and patrons will be advised of their allotments in mid-March.

The application form must be filled out in detail and accompanied by the permit fee of \$10.00 and the deposit calculated at \$1.00 per head for ewes and weaned lambs. Cheques must be made payable to the PROVINCIAL TREASURER.

ASSOCIATION FEES: \$2.00 per applicant plus \$.05 per head per year payable to the MEDICINE LAKE SHEEP GRAZING ASSOCIATION.

EAR TAGS

Each patron will be assigned one and only one number by the Grazing Reserves Office. This number must be the only number recorded on the pasture tag. Any animals not tagged in the proper manner may be rejected. All sheep must be tagged with a GREEN AL-FLEX tag with black indelible pasture number only. Green pasture tag must be placed in the LEFT-EAR FACING BACK. All sheep entered must have alternate identification that does not interfere with the pasture tag. (This can be in the form of Personal I. D. Tags in the right ear or tattoos) Pasture tags may be ordered from the Association President, Vivian Ceccato at 746-5633. Payment for ear tags will be made directly to her.

PRIOR TO ENTRY

1. Tag sheep according to attached tagging illustration.
2. All feet must be trimmed not later than two weeks and not earlier than three weeks prior to entry.
3. All sheep must be footbathed twice prior to entry. The first bathing should occur two weeks prior to entry and the second, one week later using a Copper Sulfate solution of 2 lbs. CuSO_4 to 1 gallon water.
4. All ewes must be sheared prior to entry.
5. All animals must have tails removed. Any animals with long tails may be rejected.
6. Male lambs must be castrated and healed by time of entry. No lambs will be accepted with either castration rings or docking rings.
7. Only weaned lambs will be entered; they must weigh a minimum of 60 lbs.
8. Each flock will be inspected at the farm to check for footrot and other problems. Flocks with footrot or other major health problems will not be permitted to enter the pasture until these problems are cleared up. A minimum of six week's time must elapse before a flock will be inspected.

Sheep acquired after inspection should be kept separate from the rest of your flock. These newly acquired sheep must be inspected and, in some cases, the original flock may have to be reinspected. Your flock may be refused entry onto the pasture if reasonable care is not taken to keep inspected sheep separate from newly acquired sheep. Patrons will be charged for reinspection of newly acquired sheep after the flock has been inspected.

9. Due to the high incidence of Blackleg, we recommend that you vaccinate your ewes and lambs with "8-way" vaccine, or lambs only with Tri-Vax, a "3-way" vaccine.

GENERAL POLICY

1. All rams on the pasture will be owned by the Association. The breeding fee will be determined by the Association based on the cost of the rams purchased.
2. Patrons having pasture-born lambs will be assessed at the rate of \$10.00 per lamb, payable to the Association, if more than two lambs are born on the pasture.
3. All sheep are dewormed at entry and the Association will invoice each patron on the basis of cost/sheep.

AT ENTRY


1. Upon delivery to the pasture, all sheep will be inspected by departmental personnel and by a Veterinarian. Inspection will be carried out during the hours specified on the entry letter which you will receive with your allotment notice.
2. All sheep will be dewormed with Tramisol (injectable) or drenching solution at entry.
3. All sheep will be run through a foot bath and, if any footrot is found, the entire flock will be rejected.
4. FOOT TRIMMING WILL NOT BE ALLOWED AT THE PASTURE since the footrot organism can be transmitted through the trimmings. If your flock has not been foot trimmed, or has been poorly trimmed, the entire flock will be rejected.
5. Sheep that are diseased, sick, broken-mouthed, aged, lame, with deformed feet, or sheep in generally poor condition, will not be accepted.
5. Sheep intended for the non-breeding (dry) flock must be marked with a BLACK ZERO on their shoulders.

AFTER ENTRY

- . Sheep will be sprayed for ticks, if necessary.
- . Patrons will be required to provide labour on a rotational basis for any extra handling required. Patrons not showing up will be charged by the association for the cost of substitute labour.

For further information, please contact either the Association President, Vivian Ceccato 46-5633, or the Grazing Reserves Office at 542-3537.

Deposit \$ 1.00/head and Permit Fee \$10.00 payable to PROVINCIAL TREASURER. Mail to the
 Public Lands Division
 West Central Grazing Reserves
 P. O. Box 411
 Grayton Valley, Alberta
 DE QMD


 Morris Seiferling, Regional Manager
 West Central Grazing Reserves

HI LO HILLS ROMANOV "THE EWE MAKERS" WOULD LIKE TO INFORM "SHEEP NOTES" READERS THAT WE HAVE MOVED. OUR NEW FACILITIES WILL GIVE US THE OPPORTUNITY TO INCREASE OUR PUREBRED FLOCK AND TO DO MORE CROSSBREEDING.

OUR NEW LOCATION IS: 7 MILES EAST OF TWO HILLS (JUST $\frac{1}{2}$ MILE EAST OF MUSIDORA) ON HIGHWAY 45. THEN $4\frac{1}{2}$ MILES SOUTH. A LONG DRIVEWAY AND LARGE RED BARN ON THE WEST SIDE OF THE ROAD WILL IDENTIFY US.

VISITORS ARE ALWAYS WELCOME, A PHONE CALL WILL INSURE WE'RE HOME.

P.S. MERRY CHRISTMAS AND ALL THE BEST IN '88!

TOM MAKONECKI
NELOA BURWASH
DR. K.H. FRANK

BOX 30
MUSIDORA, ALBERTA
T0B 3J0
PHONE 657-2004



HOW'S YOUR EWE'S UDP - PART I

Protein nutrition of the ruminant has been the subject of some very intensive research over the last decade. New findings have modified some basic concepts. It is now recognized that microbial protein produced in the rumen may not meet the nutritional needs of the highly productive animal. We know that under some conditions improved milk yield and growth can be achieved when some of the dietary protein "bypasses" the process of microbial fermentation in the rumen. How to take advantage of this knowledge is the challenge facing producers and nutritionists. We have had several calls on this topic since it was mentioned at the Alberta Sheep Symposium.

Before further discussion is fruitful a definition of terms is essential:

1. Total Protein - the amount of protein in the diet or consumed by the animal - also called crude protein or dietary protein.
2. R.D.P. - rumen degradable protein - the amount or proportion of total protein that is degraded or digested by rumen microbes - used by microbes to make microbial protein.
3. Microbial Protein - protein produced by microbial and growth fermentation - the protein in the cell contents and cell walls of the microbes and digested in the intestines after being passed out of the rumen - the major source of protein for the ruminant animal.
4. U.D.P. - undegradable protein - the amount or proportion of total protein not digested or degraded by rumen microbes available for enzymatic digestion in the intestines - also called "escape protein" or "bypass protein".

So, total protein is either degraded and used in the synthesis of microbial protein or it escapes microbial degradation in the rumen and is digested in intestines of the animal.

The amount of RDP and UDP in various feeds and supplements has been estimated and is presented in the following table.

Table 1

	Total Protein (%)	Approximate Portions Of Total Protein As	
		RDP (%)	UDP (%)
Barley	10-12	84	16
Alfalfa & Grass Hay	10-19	80	20
Canola Meal	35-37	70	30
Soybean Meal	46-48	65	35
Linseed Meal	37-38	60	40
Field Peas	20-26	80	20
Corn Gluten Meal	63-65	16	84
Fish Meal	60-62	31	69
Meat & Bone Meal	46-48	47	53
Dehydrated Alfalfa	16-19	57	43
Dried Brewers Grain	28-30	70	30

This information is from several different sources and one must recognize that the proportion of RDP and UDP is not constant under all feeding conditions. This is one weakness in trying to apply this system. However, this table can be used to calculate approximate levels of UDP and RDP in a diet. For example, one kilogram (1000 grams) of barley provides

$$1000 \text{ g} \times \frac{10}{100} = 100 \text{ grams of } \underline{\text{total protein}}.$$

$$100 \text{ g total protein} \times \frac{84}{100} = 84 \text{ grams of } \underline{\text{RDP}}.$$

$$100 \text{ g total protein} \times \frac{16}{100} = 16 \text{ grams of } \underline{\text{UDP}}.$$

Requirements For RDP And UDP

Rumen microbes utilize and in fact need RDP. A diet deficient in RDP would result in less than optimum fermentation and microbial growth and less than maximum amounts of energy and microbial protein being produced. Some UDP is present in farm grown feeds may be required for highly productive sheep.

The following information on requirements is the best available at this time.

Table 2

Protein Requirements Of Ewes (ARC 1984) - 75 kg Body Weight

		<u>Weeks Before Lambing</u>			
1.	Pregnant - twins	<u>6</u>	<u>4</u>	<u>2</u>	<u>0</u>
	grams/day RDP	108	119	135	150
	UDP	<u>11</u>	<u>14</u>	<u>44</u>	<u>55</u>
	Total Protein	119	133	179	205
	* Alta. Allowances (1987)	250 g	250 g	250 g	250 g
2.	Lactation	<u>Milk Yield</u>			
		<u>2 kg/day</u>	<u>3 kg/day</u>		
	grams/day RDP	160	220		
	UDP	<u>75</u>	<u>115</u>		
	Total Protein	235	335		
	* Alta. Allowances (1987)	377 g	490-570		

The Alberta Allowance values in Table 2 are for total protein. One advantage of the RDP/UDP system is that total protein in the diet can be reduced if requirements for RDP and UDP are met.

To put all this into practical terms, lets look at some typical diets for Alberta ewes.

Table 3

Late (last 2 weeks) Gestation - 75 kg Ewe, 200% Lamb Crop
Rations (lbs/ewe/day)

	<u>#1</u>	<u>#2</u>	<u>#3</u>	<u>#4</u>	<u>#5</u>
Alfalfa Hay	2.9	-	-	-	-
Grass Hay	-	2.6	2.5	2.7	2.7
Barley	2.2	2.5	2.2	2.3	2.3
Canola Meal	-	-	0.4	-	-
Corn Gluten Meal	-	-	-	0.1	-
Fish Meal	-	-	-	-	0.1
18:18 Mineral	.01	.01	-	0.01	-
Total Protein (g)					
- Required	250	250	250	250	250
- Supplied	326	250	281	272	268
RDP (g)					
- Required	150	150	150	150	150
- Supplied	265	205	224	204	206
UDP (g)					
- Required	55	55	55	55	55
- Supplied	59	45	57	68	62
Approx. Cost \$/ewe/day	0.14	0.11	0.14	0.14	0.14

Note: These rations do not consider the waste factor present in all feeding systems.

The conclusions I've made from this information are:

1. When high quality alfalfa hay is the source of forage for pregnant ewes, and the energy supplied meets requirements, sufficient UDP is present in the diet. (Ration #1)

2. When good quality grass hay (10-11% protein) is the forage source, UDP may be deficient. (Ration #2)
3. Corn gluten meal or fish meal are economical sources of UDP, compared to canola meal, when supplementation is required. (Rations #3, #4 and #5)

In the next issue of Sheep Footnotes I'll discuss the need for UDP in rations for lactating ewes. If you have any questions about this concept contact me at 436-9150.

Dale F. Engstrom
Ruminant Nutritionist





ALBERTA SHEEP SYMPOSIUM - WRAP-UP

By
 Deb Clark
 Bentley, Alberta

The 1987 Sheep Symposium has come and gone, but I think that for a very long time to come, it will live in the minds of all those sheep producers who attended (and in the minds of those who were there that have absolutely nothing to do with the sheep industry!). Ian and I decided after a very short period of time, that you don't have to have been born to it to be able to appreciate the comfort and opulence of the Banff Springs Hotel. The atmosphere was certainly conducive to relaxation and the pursuit of a good time. Within the confines of the hotel there was a wide variety of gift shops, lounges, dining rooms and the marvelous pool, sauna, whirlpool complex. And for those of us who found being constantly inside slightly restrictive, a ten minute walk and you were in the midst of the Banff shopping centre. Still too busy? Just outside the hotel and you could follow the Spray River trail as far as you wish and back through the golf course, as we did one morning before the first speaker. (I wonder that the golfers don't get frustrated with all the debris left by the deer and elk and other wildlife. Obviously the wildlife think that the grass has been grown, mown and tended just for their enjoyment.) And if you were there solely to benefit from the symposium itself, I don't think there were many who were disappointed. The registration/wine and cheese affair of the first evening was a great acclimatisation time and it was wonderful to see so many new faces and to hear so much enthusiasm then and throughout the next two days, about peoples' sheep farms and plans for the future. Yes it definitely does seem that the sheep industry has an exciting future in Alberta.

The speakers were excellent both during their official time at the lectures and any other time they were accosted by fervent questioners during the two days of the symposium. I would like to express my gratitude to Cathy Gallivan, Wray Whitmore and all of the technicians and others involved for doing an extraordinary good job of organizing (imagine having the proceedings PRIOR to the start of the symposium WHAT A GOOD IDEA!). And thank you for allowing us to sleep in a bit the last morning and not have to be at a lecture at 8:15 A.M. after a late night. I believe that even for those of us who have attended every sheep symposium so far in Alberta, there was a lot to be learned both from the speakers and from discussions amongst ourselves. Keep up the good work and we'll see you all again at the 1989 Alberta Sheep Symposium!

FOR SALE - SHEEP

REGISTERED NORTH Country Cheviot ram lambs and 1 registered Suffolk ram lamb. Contact Lyle Hammer, Red Water, 942-4184 (12)

4 REGISTERED Suffolk ewe lambs. Reasonably priced. Contact Sprucevale Suffolks, Denise VandenBrink, Blackfalds, 885-5161 (12)

PUREBRED ROMNEY ram lamb. April born to Bramblewood (B.C.) ewe and sired by Judah (Washington) ram. Both were purchased at World Sheep Congress. Excellent wool - \$250. Special note to spinners - the Judah rams fleece weighed 17 lbs after skirting and was awarded reserve champion at Lambs in Lacombe. Contact Ester or Henry Lambert, Winfield, 682-3742 (12)

50 MIXED 1987 lambs, 60 - 85 lbs, \$80. Contact Rene Fisher, Irricana, 934-4733 (12)

5 BRED Suffolk ewe lambs - \$125. Contact W. Mahood, Cochrane, 932-2870 (12)

53 BRED yearling ewes - 1/2 Columbia, 1/2 Rambouillet bred to Suffolk. 18 bred ewe lambs - 3/4 Columbia, 1/4 Rambouillet bred to Suffolk. 2 Suffolk rams. Contact Gerhard Wall, Hays, 725-2104 (12)

20 REGISTERED Suffolk ewes & 5 ewe lambs - \$200 each. 1 Registered Suffolk ram - twin. 1 1/2 years. Full brother to highest gaining Suffolk ram at '87 Ram Test Station Sale, Olds - \$300. Contact Glen Kershaw, Didsbury, 335-4983 (12)

1 DORSET ram 2 yrs old. 1 Rambouillet Suffolk ram 8 months old. Jay Adams, Rimbey, 783-5737 (1)

EWELAMBS. Choice of 300. Dave Thevenaz, Bentley, 748-3017 (1)

DISPERSAL OF quality bred ewes. 75 Dorset, Dorset Cross ewes bred to top Alberta Finn ram. Due to lamb February 1st. 160 Dorset, Dorset Cross ewes. Bred to Large show stock Suffolk. Due March 5th. Professionally maintained flock. Call John Doig collect (604) 856-8747 (1)

PURE LINCOLN and Scottish blackface breeding rams. Call 672-6026 in Camrose (1)

10 EWES bred registered Finn to lamb February 88 - \$120 each or all for \$1000. 10 ewe lambs bred Finn - to lamb February-March 88 - \$140 each or all for \$1200. Or take all 20 above for \$2000. 1 Suffolk ram - \$150. 3 Finn Cross ram lambs - \$120 each. 20 June-July born feeder lambs. Call Ailie Beaudry, Cherhill, 785-2940 (days) or 785-2813 (after five) (1)

1/2 CORRIEDALE colored ram. 2 1/2 year old. Twin. Proven producer. Excellent fleece, tame - \$145. Contact Betty Bayfield, Vulcan, 485-6560 (1)

24 MARCH-APRIL born Suffolk cross ewe lambs. Fully wormed and vaccinated. All from twins. Bred to lamb in April 88 - \$120. Also older ewes bred to lamb for January. Have been sponged. Contact Randy or Sheila Sharko, Calmar, 985-3057 (1)

FOR SALE - GOATS

BRED MILK goats to freshen mid-March. Some purebred Alpines, some Saanen/Alpine cross. Very tame and gentle. Good for raising orphan lambs. Contact Wayne Henze, Box 62, Rose Prairie, B.C. VOC 2HO (604) 827-3864 (12)

"CAPRIANNE HANK" born March 6, 1984, #S027241. Sire Motherlodes Sabrina's Aron 2. Dam Yohi Starborn. Offers. Susan de Beurs, Ardrossan, 922-5914 (after six) or 464-6400 (days) (12)

PUREBRED ALPINE buck, VG88 - \$300. Purebred Alpine does bred for March - \$150-300 each. Purebred Toggenburg does, bred to Alpine buck - \$150 each. Call Linda Giroux, Titan Goats, Ft. Saskatchewan, 988-4277 (1)

4 REGISTERED ANGORA female doe kids. 1 registered Angora buck kid. Call B. J. Grove, Bentley, 748-2922 (1)

4 ANGORA wethers - \$250 each. 1 1/2 yrs old. Call Shawna Miller, Okotoks, 938-3550 (1)

ANGORA PUREBRED bucks. Neuters. Good large animals. All shots. Top mohair producers. Also Nubian and Alpine dairy bucks. 1 purebred Alpine doe kid. Contact Vera Wagar, Sylvan Lake, 887-5649 (1)

FOR SALE - DOGS

1 COMMONDORE CROSS Broder Collie pup. Female. 8 weeks old. Contact John Howard, Didsbury 335-9155 (12)

 BORDER COLLIE puppies, 8 weeks old. Ready and raring to go. Only 4 left or a litter of 8. Out of excellent bloodlines. Both parents are super with sheep - ask for a demonstration! \$200 each. Richard Colling, Didsbury, 335-8666 after 6 PM (1)

FOR SALE - MISCELLANEOUS

ROUND BALE Feeders. Two ends slide together. Made of 1: square tubing - \$295. Contact A. J. Enew Handle-Her Equipment, Didsbury, 335-9155 (12)

 METAL ROUND Bale Feeders for sheep. No more crushed lambs! We're using them and they're great! \$225. Rodney Ceccato, Eckville, 746-5633 (12)



FOR SALE OR TRADE

FULL KEYBOARD Kawaii Piano, walnut finish, excellent condition. Will accept young ewes or ewe lambs. C. Hooper, St. Walburg, Saskatchewan (306) 248-3806 (1)

WANTED - SHEEP

50 SUFFOLK crossed ewes with Columbian or Hampshire or straight Suffolk. Either lambs or 1 or 2 year old ewes. Contact Keith Griffith, 556-2275 (12)

 250-300 GOOD Commercial ewes between 2-6 yrs old. Suffolk cross preferred. Contact Rene Fisher, Irricana, 935-4733 (12)

WANTED - GOATS

POLLED BILLY Goat. Saanen or Toggenburg. Also sheep and cattle dogs. Preferably trained. Call Renee or Keith Yuill, Alberta Beach, 967-3401 (1)

WANTED - MISCELLANEOUS

FOR WOOL Shop in high tourist traffic area. Handmade wool and sheepskin items. Contact Glynn or Donalda Brooks, Cee-Der Chalets, Box 525, Cammore, TOL QMD, 678-5251 (1)

HELP AVAILABLE

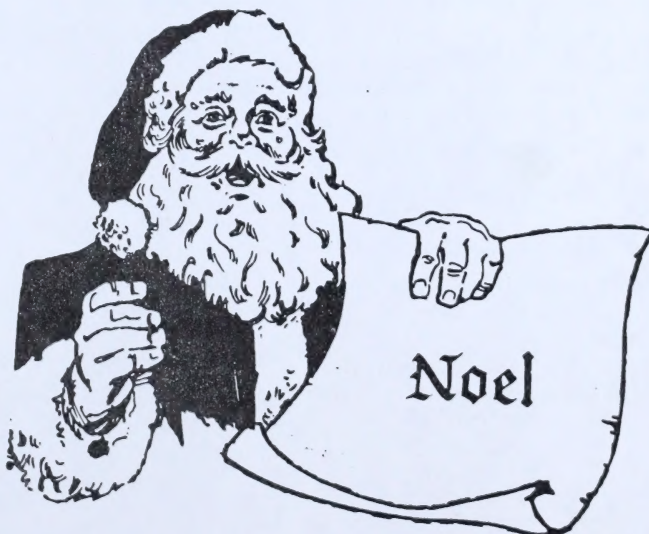
FOR EXPERIENCED help during lambing, contact Angela Boulet, Wetaskiwin, 352-1659. Book now to ensure help. Will travel. (12)

SERVICES

WOOL PROCESSING Service available. Custom wash, pick and card your wool into batts. 20" x 72" or rovings. Color and fiber blending. Gentle individual treatment of your fleeces (well skirted No minimum amount. For fast and friendly service contact Trudy Korsmann, Box 98, Montney, B.C., VOC 1Y0, (604) 827-3215 (Evenings and weekends OK) (12)

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CUSTOM WOOLEN Mills - Your complete processing facility. Full range of custom services, including washing of wool and other fibres, dyeing, carding, twisting, spinning and custom sewing. Ask about our Sheep & Wool Marketing Kit. For more information, please contact Custom Woolen Mills Ltd., R R #1, Carstairs, TCM ONO, 337-2221 (12)
"NO ORDER TOO LARGE OR TOO SMALL"

SHEEP TRACE mineral salt containing Bovatec for coccidiosis control will be available in the new year. To place orders contact the Canadian Co-operative Wool Growers Limited, Stony Plain, 963-4343 (1)





EDITOR'S NOTE

Classified Ads and Coming Events may be placed in Sheep Footnotes free-of-charge by contacting:

*Janet Smalley
Beef Cattle & Sheep Branch
7000 - 113 Street
Edmonton, Alberta
T6H 5T6*

Ph: (403) 427-5077

*Karren Green
Alberta Agriculture
Bag Service #1
Airdrie, Alberta
T4B 2C1*

Ph: (403) 948-8515

The deadline for Classified Ads and Coming Events is the last day of the month prior to the month of publication.

Coming Events will be run every month from when they are placed until the event. Please Note: Events should be placed in Coming Events at least 6 weeks in advance in order to ensure their publication before they occur.

Classified Ads will run initially for two months, unless cancelled after the first month. After the first two months, ads may be renewed each month by contacting Janet Smalley at 427-5077. Ads must not exceed two column inches in length or they will be edited. Full page ads and half page ads will be run for one month. If you want your full page ad condensed into a Classified Ad for the next two months, please indicate this when you send in the ad. Sheep Footnotes reserves the right to restrict the length, content and run of any Classified Ad.

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