

KFMA CCMD C Survey: Preliminary Results

Jordan Steele, KFMA Northwest

Amy Boline, KFMA Northeast

K-STATE

Research and Extension

AgManager.info

Agricultural Economics



Kansas Farm Management Association

Building Strong Relationships...Producing Excellence

Thanks to Additional Contributors Hannah E. Shear and Kevin Herbel

Overview

- KFMA data
- New data collection
- Survey
- Survey Results
- Future projects
- Q&A



KFMA Data

- Individual/on-farm data
- Enterprise Data
- State Profit Thirds



Individual Enterprise

73000200
SAMPLE FARM REPORTS
Year Ending: 12/2018

Kansas Farm Management Association
ProfitCenter Analysis

12001 - Beef Cows - Calves - Spring

	Units	Weight	Dollars	Dollars/CWT Produced (1337.82)	Dollars/Head (230.00)
Beef Raised	173.00	98,752.00	\$158,923.49		
Beef Breeding, Sales	28.00	30,550.00	\$25,350.00		
Ending Inventory	307.00	311,680.00	\$366,550.00		
Gross Accrual Sales/Value	508.00	440,982.00	\$550,823.49	411.73	2,394.88
Beef Breeding, Purchases	3.00	3,750.00	\$9,800.00		
Beginning Inventory	297.00	303,450.00	\$347,500.00		
Livestock Births	215.00				
Gross Accrual Purchases/Value	515.00	307,200.00	\$357,300.00	267.08	1,553.48
Net Accrual Gain	-7.00	133,782.00	\$193,523.49	144.66	841.41
Patronage Dividends			\$1,365.00	1.02	5.93
Government Payments			\$15,640.00	11.69	68.00
Total Other Cash Income			\$17,005.00	12.71	73.93
TOTAL GROSS ACCRUAL INCOME			\$210,528.49	157.37	915.34
Labor Hired			\$10,512.00	7.86	45.70
Repairs, Tools, Supplies			\$16,011.20	11.97	69.61
Interest Paid			\$7,758.40	5.80	33.73
Gas-Fuel-Oil			\$4,273.60	3.19	18.58
Auto Expense			\$147.50	0.11	0.64
Fees-Publications-Travel			\$2,155.50	1.61	9.37
Property Taxes			\$711.00	0.53	3.09
General Farm Insurance			\$2,695.50	1.95	11.33
Utilities			\$1,875.50	1.40	8.16
Indirect Expenses			\$46,051.20	34.42	200.21
Feed Fed	887.98		\$74,096.23	55.39	322.16
Pasture	1,440.00		\$36,000.00	26.91	156.52
Vet-Medicine-Drugs			\$7,365.00	5.51	32.02
Misc Livestock Expense			\$5,632.00	4.21	24.49
Direct Expenses			\$123,093.23	92.02	535.19
Total Variable Costs			\$169,144.43	126.44	735.40
Net Return Above Variable Costs			\$41,384.06	30.93	179.93
Real Estate Tax			\$200.00	0.15	0.87
Depreciation			\$9,069.63	6.78	39.43
Unpaid Labor			\$18,750.00	14.02	81.52
Interest Charge *			\$22,387.05	16.73	97.33
Total Fixed Costs			\$50,406.68	37.68	219.15
TOTAL EXPENSE			\$219,551.11	164.11	954.57
NET RETURN TO MANAGEMENT			(\$9,022.62)	-6.74	-39.23
NET RETURN TO LABOR & MANAGEMENT			\$20,239.38	15.13	88.00
NET RETURN ABOVE VARIABLE COSTS, RE TAX & DEPR			\$32,114.43	24.01	139.63



Individual Enterprise

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Kansas Farm Management Association
ProfitCenter Analysis

12001 - Beef Cows - Calves - Spring

Livestock Analysis Factors

		Dollars	Dollars/CWT Produced (1337.82)	Dollars/Head (230.00)
Total Feed Costs		\$110,096.23	82.30	478.68
Total Non-Feed Costs		\$109,454.88	81.82	475.89
Feed / Pasture Details				
Grain Sorghum	249.98	\$657.23	0.49	2.86
Alfalfa	428.00	\$43,025.00	32.16	187.07
Prairie Hay	70.00	\$4,550.00	3.40	19.78
Other Hay	80.00	\$5,200.00	3.89	22.61
Corn Silage	60.00	\$1,800.00	1.35	7.83
Cereal-Residue Past.		\$9,000.00	6.73	39.13
Additives-Salt-Min		\$3,994.00	2.99	17.37
Protein-Mixed Feeds		\$5,870.00	4.39	25.52
Feed Fed		\$74,096.23	55.39	322.16
Native Pasture	1,440.00	\$36,000.00	26.91	156.52
Pasture		\$36,000.00	26.91	156.52
Number of Cows	230.00			
Number of Calves Born	215.00	Calves Born Per Cow		0.93
Number of Calves Weaned	208.00	Calves Weaned Per Cow		0.90
Pounds Produced Per Cow	581.66	Calving % through 30 days		48.00
Calf Weaning Weight	564.00	Calving % through 60 days		97.00
% Calf Death Loss	3.26	Pasture Acres Per Cow		6.26

* Interest charge represents computed interest on gross purchases, variable costs, machinery, and buildings minus cash interest paid
** Feed Fed includes raised and purchased feed fed

2019 Risk & Profit



Individual Benchmark

73000200
SAMPLE FARM REPORTS
Year Ending: 12/2018

Kansas Farm Management Association
Annual ProfitLink Enterprise Benchmarks

BEEF COWS - CALVES

	Your Farm			Association (45 farms)				Association Top 1/3 (15 farms)							
Cowherd Size	230.00			96.93				124.60							
Calves Sold	173.00			78.24				100.87							
Calves Sold / Cow	0.75			0.81				0.81							
Avg Weight Calves Sold	570.82			613.34				629.58							
Weight Produced / Cow	581.66			594.56				628.11							
Calf Selling Price / CWT	160.93			154.59				155.15							
Gross Income / Cow	915.34			787.88				856.73							
Feed Cost / Cow	478.68			518.29				456.65							
Non-Feed Cost / Cow	475.89			563.45				534.68							
Break-even Sales Price / CWT	170.07			213.95				181.56							
	Head	Pounds	Total \$	Head	Pounds	Total \$	Head	Pounds	Total \$	Head	Pounds	Total \$			
Calves Sold	173	98,752	158,923.49	78	47,989	74,185.65	101	63,504	98,528.92						
Breed Stk Sold	28	30,550	25,350.00	13	17,308	11,531.19	19	24,419	16,423.51						
Ending Inventory	307	311,680	366,550.00	170	161,840	190,662.63	229	216,975	252,686.59						
Gross Sales	508	440,982	550,823.49	261	227,137	276,379.48	349	304,897	367,639.02						
Breed Stk Purch	3	3,750	9,800.00	4	4,854	8,015.63	5	6,276	8,169.17						
Beginning Inventory	297	303,450	347,500.00	175	164,650	195,851.62	236	220,358	256,832.82						
Livestock Births	215	0	0.00	86	0	0.00	113	0	0.00						
Gross Purchases	515	307,200	357,300.00	266	169,504	203,867.25	354	226,634	265,001.99						
Net Sales Gain	-7	133,782	193,523.49	144.66	841.41	-5	57.632	72,512.23	125.82	748.06	-5	78.263	102,637.03	131.14	823.73
Patronage Refunds	1,365.00			1.02				5.93							
Miscellaneous Income	15,640.00			11.69				68.00							
Livestock Futures	0.00			0.00				0.00							
Other Income	17,005.00	12.71	73.93	3,859.49	6.70	39.82	4,111.65	5.25	33.00						
GROSS INCOME	\$210,528.49	157.37	915.34	\$76,371.71	132.52	787.88	\$106,748.68	136.40	856.73						
EXPENSES															
Hired Labor	10,512.00	7.86	45.70	830.31	1.44	8.57	844.95	1.08	6.78						
Interest (Cash)	7,758.40	5.80	33.73	2,651.98	4.60	27.36	3,190.92	4.08	25.61						
Feed Purchased	74,096.23	55.39	322.16	33,520.61	58.16	345.81	35,321.61	45.13	283.48						
Pasture	36,000.00	26.91	156.52	16,719.42	29.01	172.48	21,577.33	27.57	173.17						
Vet Med, Breeding	12,997.00	9.72	56.51	6,719.63	11.66	69.32	7,652.79	9.78	61.42						
Buildings & Equip	20,432.30	15.27	88.84	6,822.87	11.84	70.39	9,421.09	12.04	75.61						
Other Var Exp	7,348.50	5.49	31.95	3,203.29	5.56	33.05	4,061.49	5.19	32.60						
Depreciation	9,069.63	6.78	39.43	4,493.43	7.80	46.36	5,323.46	6.80	42.72						
Real Estate Tax	200.00	0.15	0.87	1,384.31	2.40	14.28	1,808.41	2.31	14.51						
Unpd Op Labor	18,750.00	14.02	81.52	14,935.90	25.92	154.08	16,869.38	21.55	135.39						
Interest Charge	22,387.05	16.73	97.33	13,575.55	23.56	140.05	17,448.85	22.30	140.04						
TOTAL EXPENSE	\$219,551.11	164.11	954.57	\$104,857.28	181.94	1,081.75	\$123,520.30	157.83	991.33						
NET RETURN TO MGMT	(\$9,022.62)	-6.74	-39.23	(\$28,485.56)	-49.43	-293.87	(\$16,771.62)	-21.43	-134.60						
NET RETURN TO LABOR-MGMT	\$20,239.38	15.13	88.00	(\$12,719.36)	-22.07	-131.22	\$942.72	1.20	7.57						
This farm was not included in average calculations															

2019 Risk & Profit



Individual Benchmark

73000200

SAMPLE FARM REPORTS

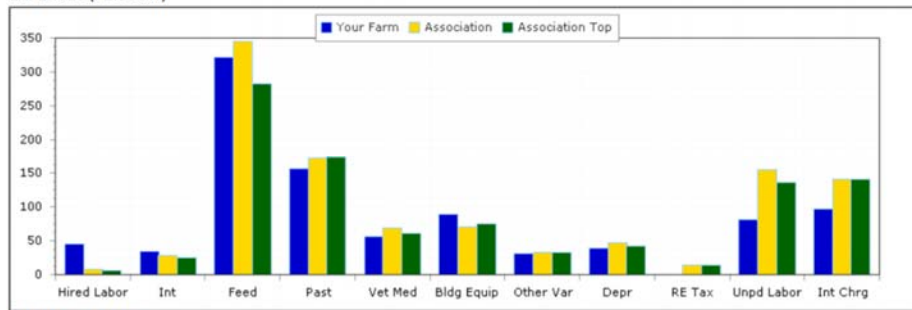
Year Ending: 12/2018

Kansas Farm Management Association

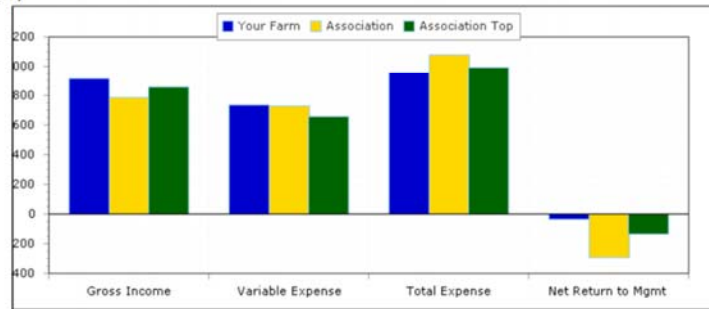
Annual ProfitLink Enterprise Benchmarks

BEEF COWS - CALVES

EXPENSES (PER COW)



TOTALS (PER COW)



State Enterprise - Income

2018 Data - Kansas
Enterprise Summary

Kansas Farm Management Association

Annual ProfitLink Summary

BEEF COWS - CALVES

	2013 - 2017					2018				
Number of Farms	75					94				
Number of Cows in Herd	139					120				
Number of Calves Sold	116					97				
Avg Weight of Calves Sold	586					579				
Calves Sales Price / CWT	180.22					156.46				
Calves Weaned / Cow	0.91					0.88				
Gross Income / Cow	888.92					745.47				
Feed Cost / Cow	531.49					471.95				
Non-Feed Cost / Cow	558.62					569.43				
Lbs Beef Produced / Cow	583.43					552.63				

	Head	Weight	Total \$	\$/CWT	\$/Cow	Head	Weight	Total \$	\$/CWT	\$/Cow
INCOME										
Calves Sold	116	68,212	122,931.95			97	56,370	88,194.49		
Breed Stk Sold	21	26,777	26,082.52			16	19,722	13,017.31		
Ending Inventory	219	218,723	269,880.61			195	191,919	220,354.95		
Gross Sales	357	313,712	\$418,895.09			308	268,011	\$321,566.75		
Calves Purch	1	393	729.26			0	106	305.85		
Breed Stk Purch	16	16,062	31,301.52			7	7,632	12,001.64		
Beginning Inventory	217	215,890	265,383.82			197	193,710	223,014.60		
Livestock Births	133					112				
Gross Purchases	366	232,345	\$297,414.60			317	201,449	\$235,322.09		
Net Sale Gain	-9	81,367	\$121,480.49	\$149.30	\$871.06	-9	66,562	\$86,244.66	\$129.57	\$716.04
Patronage Refunds			552.74					453.52		
Government Payments			1,881.36					2,409.38		
Miscellaneous Income			385.89					803.02		
Livestock Futures			-329.61					-121.37		
Total Other Income			\$2,490.38	3.06	17.86			\$3,544.54	5.33	29.43
GROSS INCOME			\$123,970.87	\$152.36	\$888.92			\$89,789.21	\$134.89	\$745.47

State Enterprise - Expense

EXPENSE

Labor Hired	4,930.26	6.06	35.35	2,946.35	4.43	24.46
General Machinery Repairs	6,899.29	8.48	49.47	6,419.41	9.64	53.30
Interest Paid	4,267.59	5.24	30.60	4,189.47	6.29	34.78
Gas, Fuel, Oil	3,373.35	4.15	24.19	3,143.91	4.72	26.10
Auto Expense	284.25	0.35	2.04	122.42	0.18	1.02
Fees, Publications, Travel	963.00	1.18	6.91	941.52	1.41	7.82
Personal Property Tax	470.44	0.58	3.37	513.05	0.77	4.26
General Farm Insurance	1,826.99	2.25	13.10	1,985.10	2.98	16.48
Conservation	0.00	0.00	0.00			
Utilities	1,910.01	2.35	13.70	1,820.91	2.74	15.12
<i>Indirect Expenses</i>	<i>\$24,925.18</i>	<i>30.63</i>	<i>178.72</i>	<i>\$22,082.12</i>	<i>33.18</i>	<i>183.34</i>
Feed	48,104.07	59.12	344.92	34,482.87	51.81	286.29
Pasture	26,019.06	31.98	186.57	22,361.63	33.60	185.66
Machine Hire - Lease	750.43	0.92	5.38	305.11	0.46	2.53
Vet Medicine/Drugs	4,066.77	5.00	29.16	4,036.14	6.06	33.51
Misc Livestock Expense	2,889.50	3.55	20.72	2,888.86	4.34	23.98
Cash Building Rent	210.06	0.26	1.51	71.87	0.11	0.60
<i>Direct Expenses</i>	<i>\$82,039.88</i>	<i>100.83</i>	<i>588.25</i>	<i>\$64,146.48</i>	<i>96.37</i>	<i>532.57</i>
Total Variable Costs	\$106,965.06	131.46	766.98	\$86,228.60	129.55	715.91
<i>Return Above Variable Costs</i>	<i>\$17,005.81</i>	<i>\$20.90</i>	<i>\$121.94</i>	<i>\$3,560.61</i>	<i>\$5.35</i>	<i>\$29.56</i>
Depreciation	7,870.44	9.67	56.43	5,965.28	8.96	49.53
Real Estate Tax	820.63	1.01	5.88	1,629.44	2.45	13.53
Unpaid Operator Labor	17,734.80	21.80	127.16	16,491.10	24.78	136.92
Interest Charge *	18,639.22	22.91	133.65	15,116.19	22.71	125.50
Total Fixed Costs	\$45,065.09	55.38	323.13	\$39,202.00	58.90	325.47
TOTAL EXPENSE	\$152,030.15	\$186.84	\$1,090.11	\$125,430.60	\$188.44	\$1,041.38
NET RETURN TO MANAGEMENT	(\$28,059.28)	(\$34.48)	(\$201.19)	(\$35,641.39)	(\$53.55)	(\$295.91)
NET RETURN TO LABOR-MANAGEMENT	(\$5,394.23)	(\$6.63)	(\$38.68)	(\$16,203.95)	(\$24.34)	(\$134.53)
FACTORS						
Feed Cost	74,123.12	91.10	531.49	56,844.50	85.40	471.95
Non-Feed Cost	77,907.03	95.75	558.62	68,586.10	103.04	569.43

* Interest charge represents computed interest on gross purchases, variable costs, machinery, and buildings minus cash interest paid

State Profit Thirds

2018 Data - Kansas Enterprise Summary

Kansas Farm Management Association Annual ProfitLink Summary

	BEEF COWS - CALVES PROFIT CATEGORY (per Cow)			Difference between High and Low	
	High 1/3	Mid 1/3	Low 1/3	\$	%
Number of Farms	31	31	32		
Number of Cows in Herd	127	133	102	25	25 %
Number of Calves Sold	105	103	84	21	25 %
Avg Weight of Calves Sold	582	592	560	22	4 %
Calves Sales Price / CWT	159.11	153.79	156.47	2.64	2 %
GROSS INCOME	\$848.20	\$748.56	\$617.48	\$230.72	37 %
EXPENSE					
Labor Hired	18.15	19.26	38.63	-20.48	-53 %
General Machinery Repairs	44.33	46.81	72.29	-27.96	-39 %
Interest Paid	22.19	43.78	38.67	-16.48	-43 %
Gas, Fuel, Oil	24.61	23.74	30.88	-6.26	-20 %
Auto Expense	1.35	0.46	1.31	0.03	3 %
Fees, Publications, Travel	7.51	7.33	8.81	-1.30	-15 %
Personal Property Tax	6.12	3.47	3.01	3.11	103 %
General Farm Insurance	13.95	15.27	21.07	-7.12	-34 %
Utilities	16.46	13.13	16.01	0.45	3 %
<i>Indirect Expenses</i>	<i>\$154.66</i>	<i>\$173.24</i>	<i>\$230.67</i>	<i>(\$76.01)</i>	<i>-33 %</i>
Feed	225.59	289.92	355.04	-129.45	-36 %
Pasture	175.31	196.75	184.19	-8.88	-5 %
Machine Hire - Lease	3.30	1.23	3.25	0.06	2 %
Vet Medicine/Drugs	34.69	33.21	32.45	2.24	7 %
Misc Livestock Expense	19.73	25.44	27.28	-7.55	-28 %
Cash Building Rent	0.95	0.00	0.92	0.03	4 %
<i>Direct Expenses</i>	<i>\$459.58</i>	<i>\$546.55</i>	<i>\$603.13</i>	<i>(\$143.55)</i>	<i>-24 %</i>
Total Variable Costs	\$614.24	\$719.80	\$833.80	(\$219.56)	-26 %
<i>Return Above Variable Costs</i>	<i>\$233.96</i>	<i>\$28.76</i>	<i>(\$216.32)</i>	<i>\$450.28</i>	<i>-208 %</i>
Depreciation	34.89	59.68	54.42	-19.53	-36 %
Real Estate Tax	8.33	14.94	18.03	-9.69	-54 %
Unpaid Operator Labor	123.38	127.03	165.71	-42.33	-26 %
Interest Charge	122.76	121.23	134.20	-11.44	-9 %
Total Fixed Costs	\$289.36	\$322.88	\$372.35	(\$82.99)	-22 %
TOTAL EXPENSE	\$903.60	\$1,042.68	\$1,206.15	(\$302.55)	-25 %
NET RETURN TO MANAGEMENT	(\$55.40)	(\$294.12)	(\$588.67)	\$533.27	
NET RETURN TO LABOR-MGMT	\$86.13	(\$147.83)	(\$384.33)	\$470.46	
FACTORS					
Feed Cost	400.90	486.67	539.23	-138.33	-26 %
Non-Feed Cost	502.71	556.01	666.92	-164.22	-25 %



Cow-Calf Management Data Collection Survey

- Development
- Implementation
- Fixes
- Improvements
- Suggestions?



2019 Risk & Profit



CCMDC Survey Results

- KFMA members
- 300+ responses



2019 Risk & Profit



2018 KFMA Cow-Calf Management Data Collection

1) Which of the following practices are included with preconditioning?

	Always	Most of the Time	Half of the Time	Some-times	Never	N/A
a. Weaned at least 45 days prior to marketing	51%	18%	7%	11%	11%	
b. Two rounds of respiratory vaccinations	53%	14%	5%	11%	14%	
c. Parasite treatments	75%	13%	3%	3%	4%	
d. Castration	89%	6%	1%	0%	2%	
e. Dehorning	46%	11%	2%	2%	6%	26%
f. Familiar with feed bunks	69%	15%	4%	6%	4%	

2) Do you individually identify cows?

Yes: 95%
No: 5%

Do you individually identify calves?

Yes: 85%
No: 15%

What ID methods are used?

Ear tag	Yes: 94%	No: 6%
EID tag	1%	99%
Hot brand	36%	64%
Freeze brand	12%	88%
Tattoo	25%	75%

3) Are pregnancy examinations performed on cows?

Yes: 73%
No: 27%

4) Are breeding soundness exams performed on bulls?

Yes: 75%
No: 25%

5) What breeding programs are implemented?

Bulls: Purebred, same breed as cows	Yes: 45%	No: 55%
Bulls: Purebred, different breed as cows	44%	56%
Bulls: Composite	25%	75%
Cows: Purebred	26%	74%
Cows: Composite	75%	25%

5) Are heifer calves kept for replacements?

Yes: 80%
No: 20%



7) Bull selection criteria on order of importance. (i.e. average ranking: 1st, 2nd, or 3rd)

Expected Progeny Differences	1.55
Visual Appraisal	1.96
Purchase Price	2.55

8) Typical calving months.

	Yes:	No:
January	20%	80%
February	54%	46%
March	79%	21%
April	64%	36%
May	29%	71%
June	14%	86%
July	8%	92%
August	17%	83%
September	49%	51%
October	43%	57%
November	23%	77%
December	11%	89%

9) Typical hay feeding season length.

	Yes:	No:
Less than 60 days	8%	92%
61-90 days	20%	80%
91-120 days	42%	58%
121-150 days	30%	70%
More than 151 days	0%	100%

Weighted average feeding days = 118

10) Primary marketing method used for a majority of cows and calves.

	Cows	Calves
Local livestock market (< 50 miles)	89%	75%
Regional livestock market (> 50 miles)	8%	11%
Direct from ranch	2%	6%
Video / satellite auction	0%	1%
Retained through feedlot stage	0%	7%

*Question 9 had 33 blank responses.

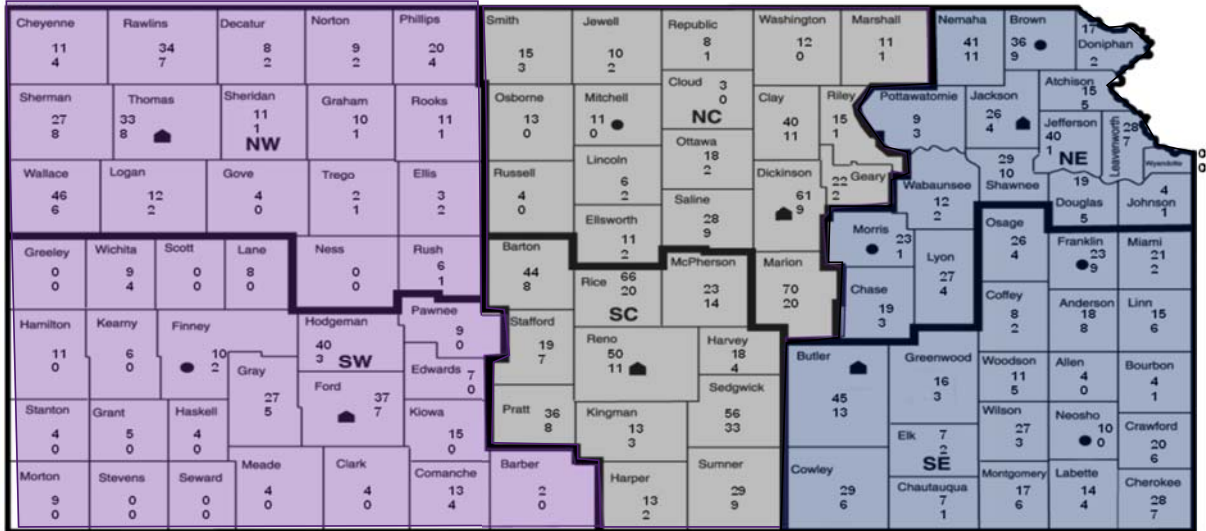
This survey is preliminary data that will be revised and updated in the upcoming years.

Please contact a local KFMA economist for more information.

Thank you to the original 303 members who completed the survey!



Summary By Region

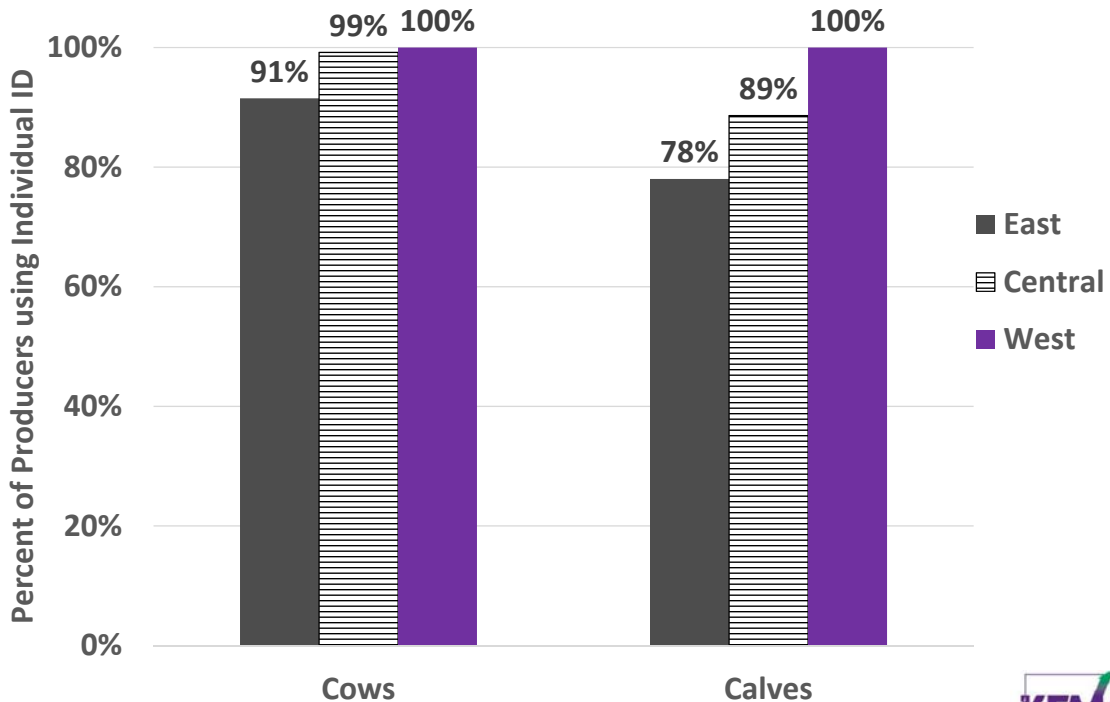


West Avg Herd Size: 154

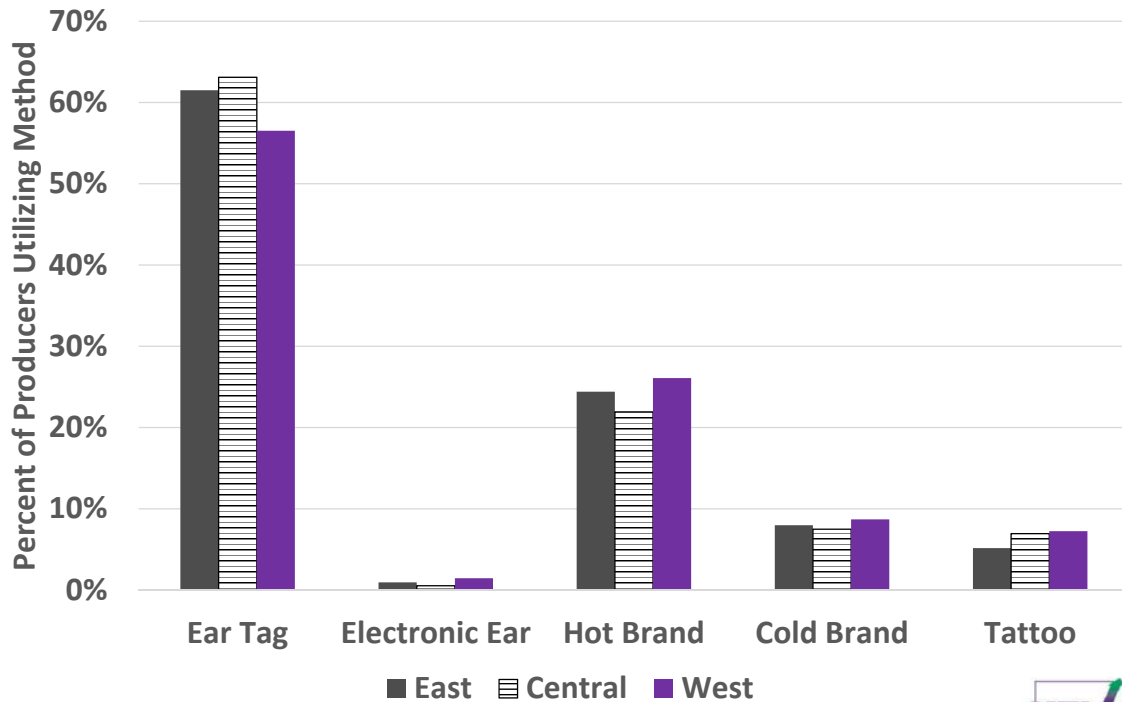
Central Avg Herd Size: 119

East Avg Herd Size: 181

Individual Identification



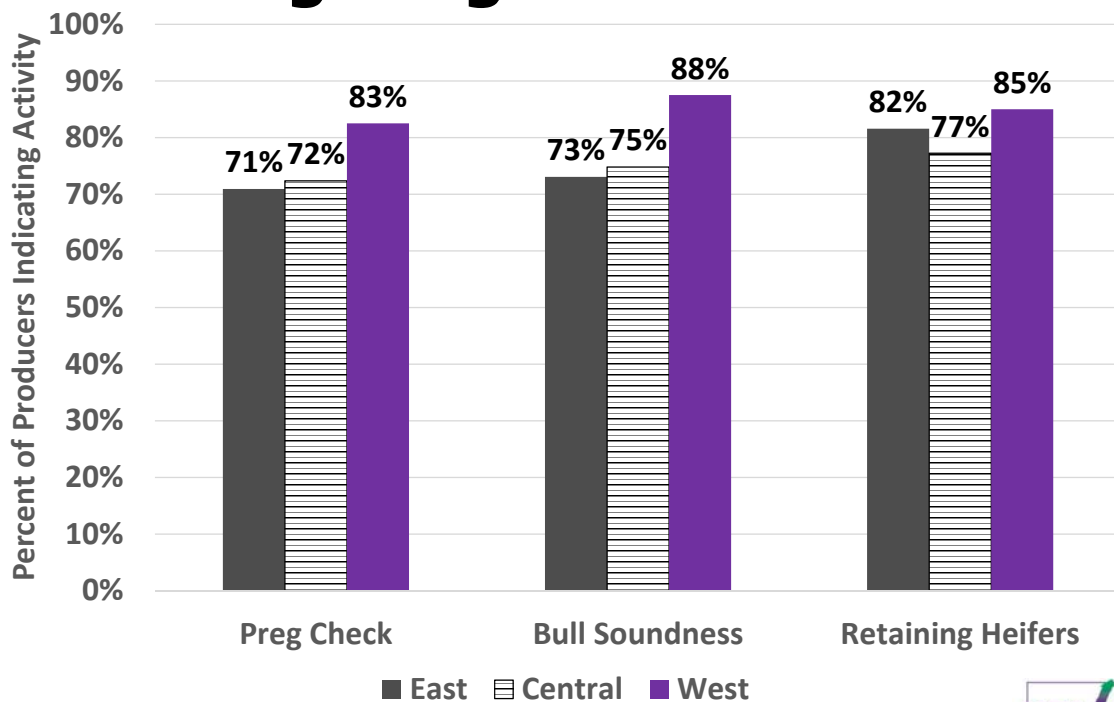
Identification Method



2019 Risk & Profit



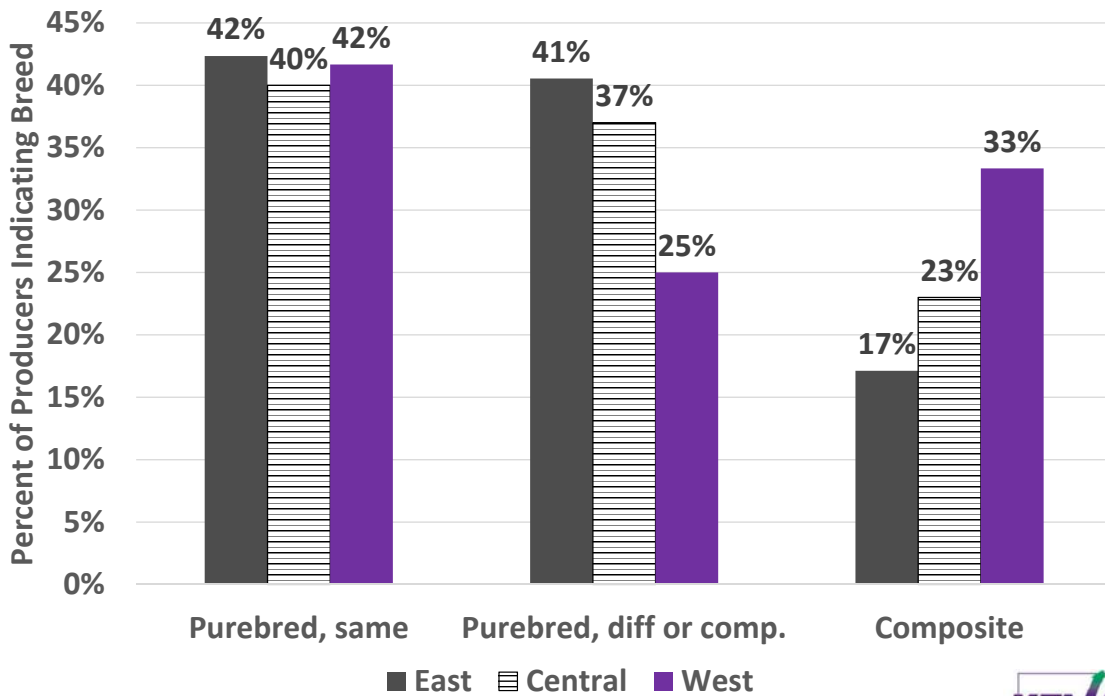
Breeding Program



2019 Risk & Profit



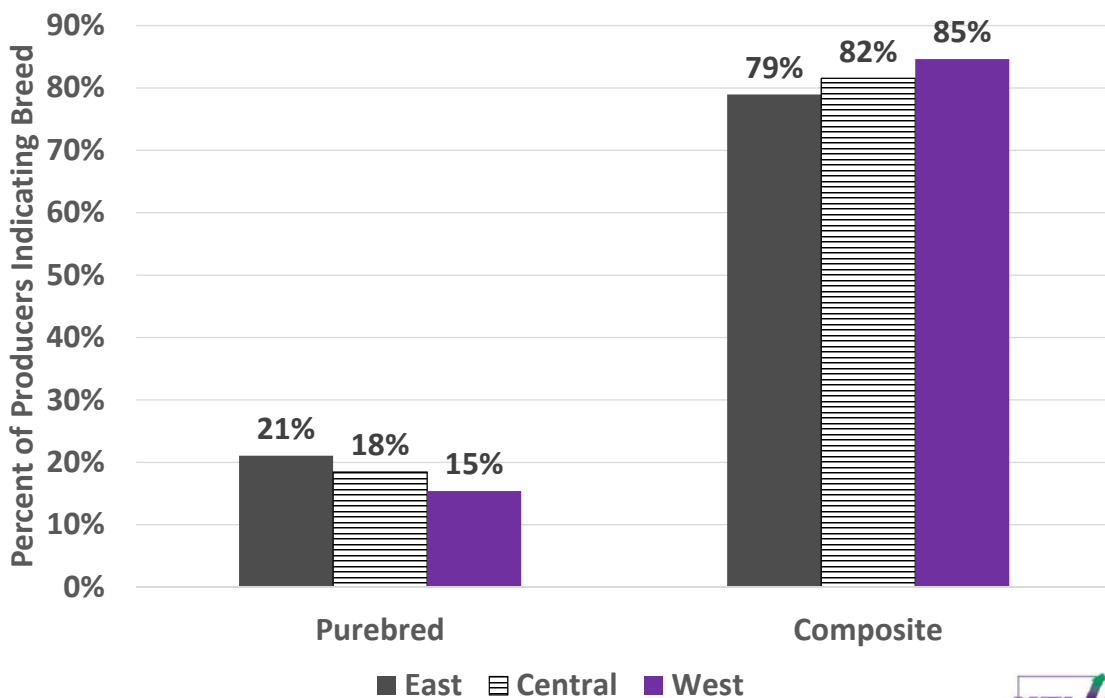
Bull Breed Selection



2019 Risk & Profit



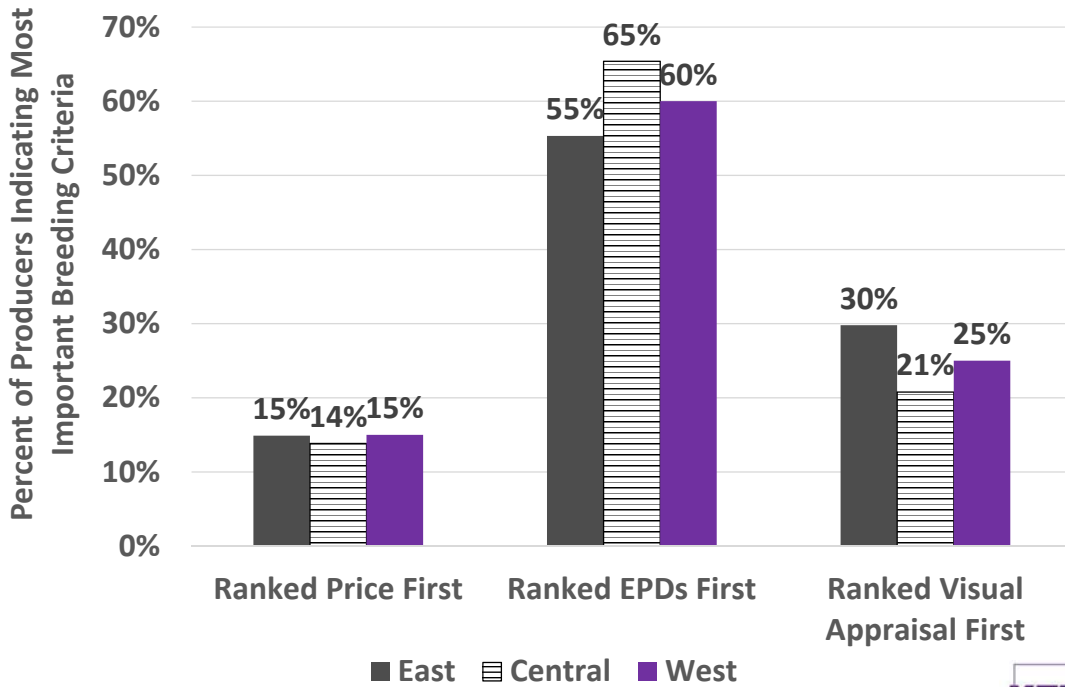
Cow Breed Selection



2019 Risk & Profit



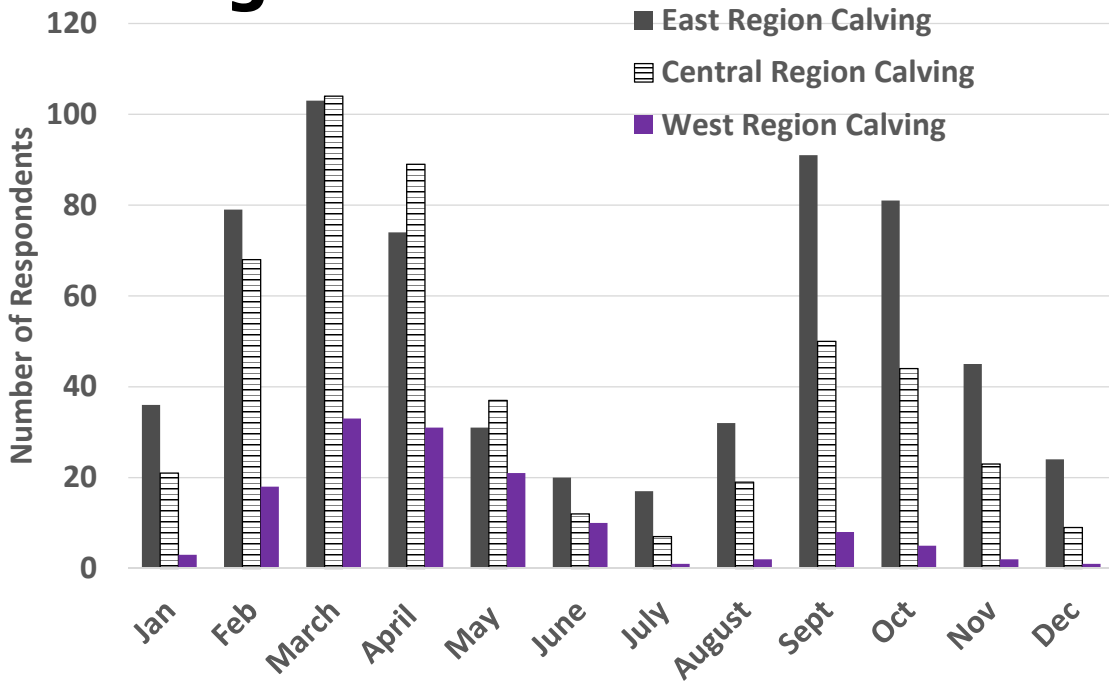
Bull Selection Criteria



2019 Risk & Profit



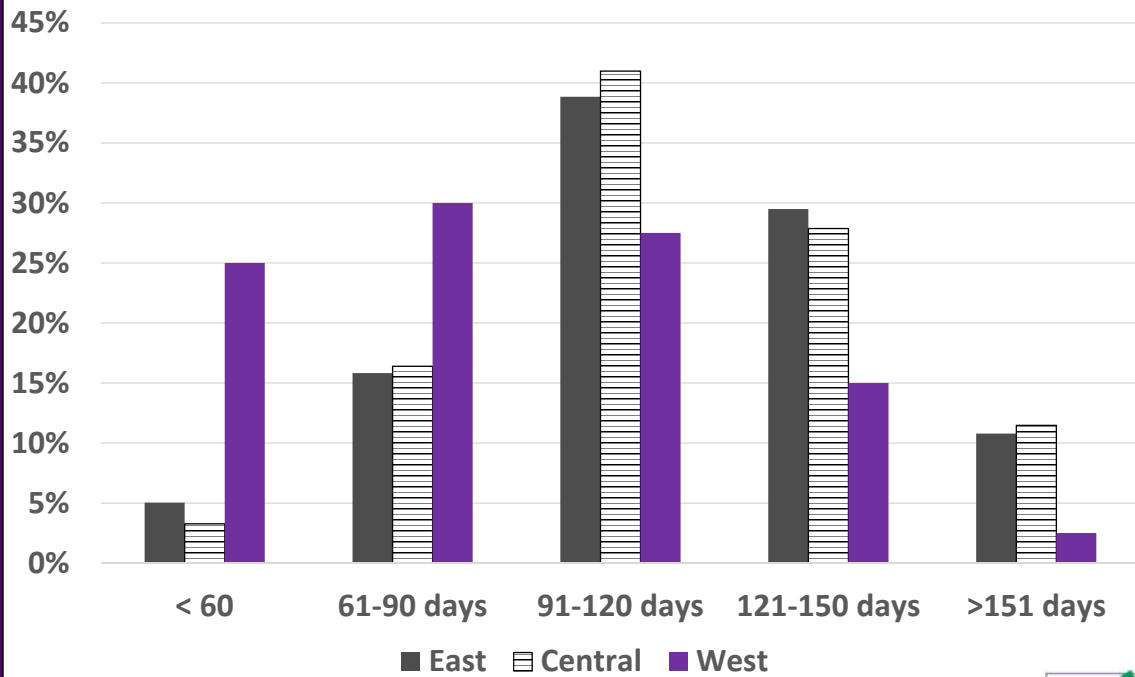
Calving Months



2019 Risk & Profit



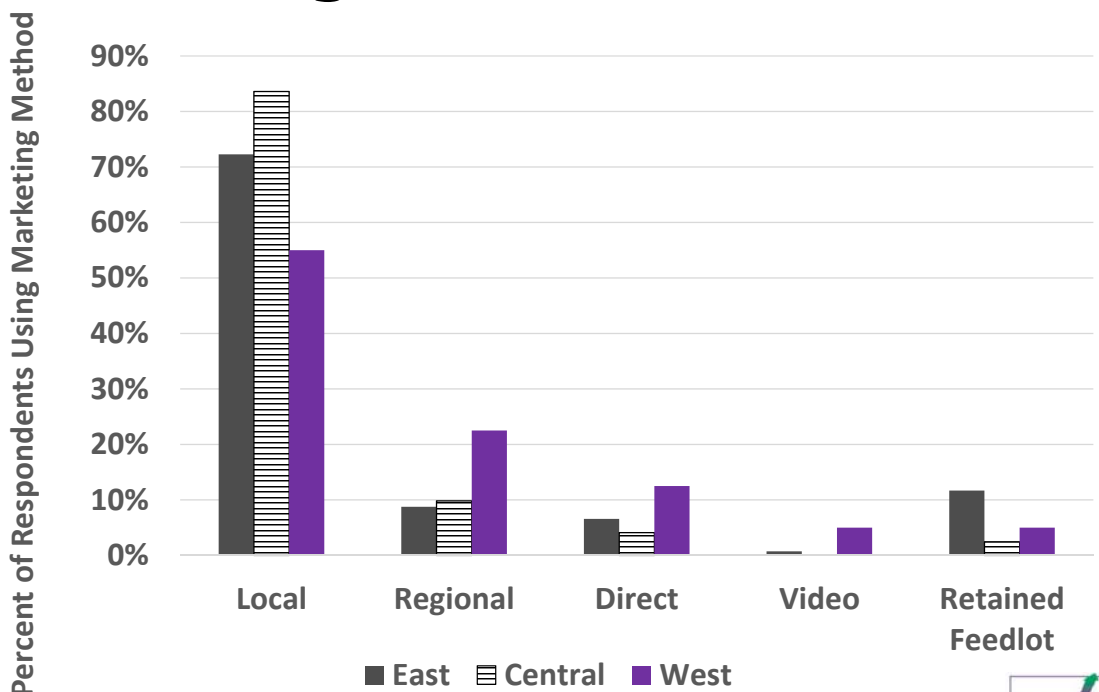
Hay Feeding Season Length



2019 Risk & Profit



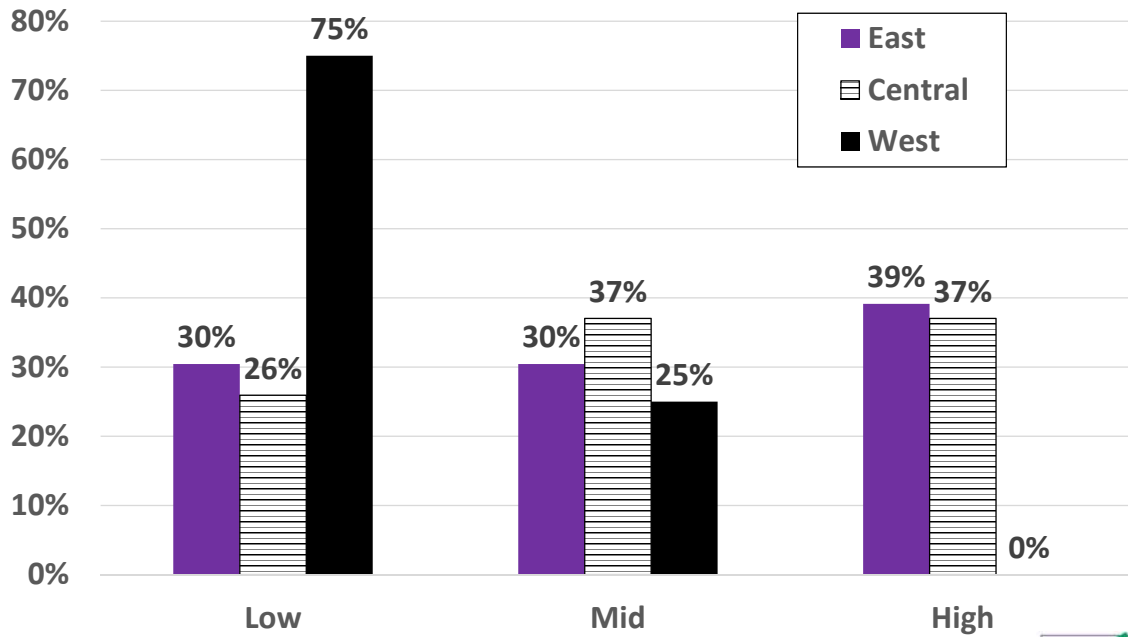
Marketing Method



2019 Risk & Profit



Profit Group Appearance by Region



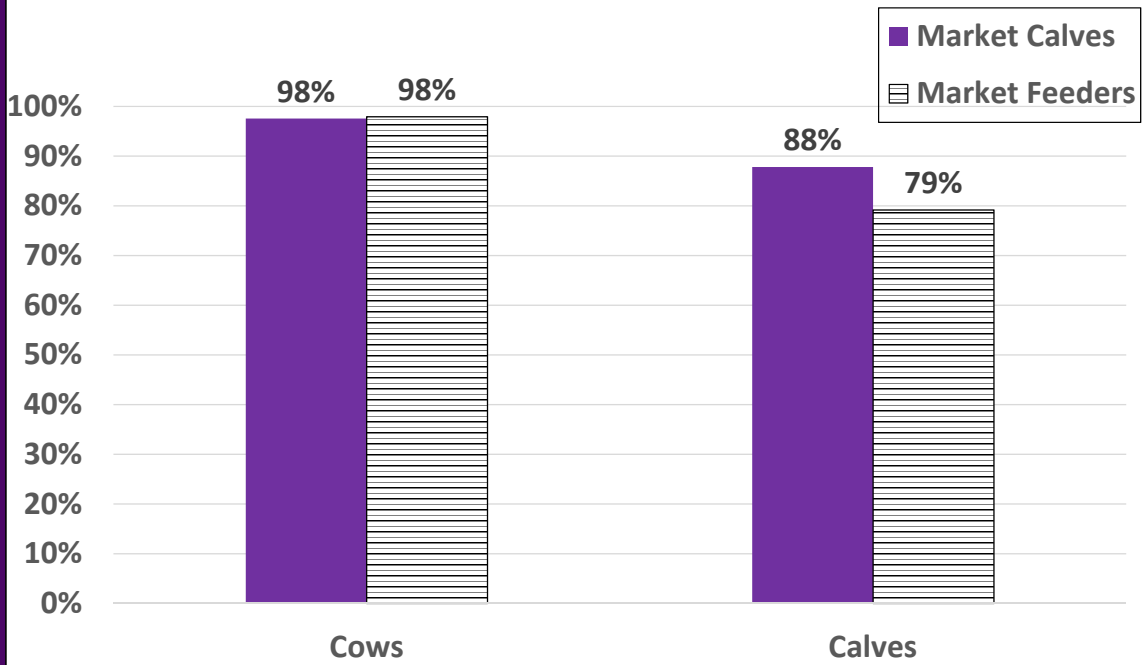
2019 Risk & Profit



Summary By Marketing Weight

Sell Feeders v. Sell Calves

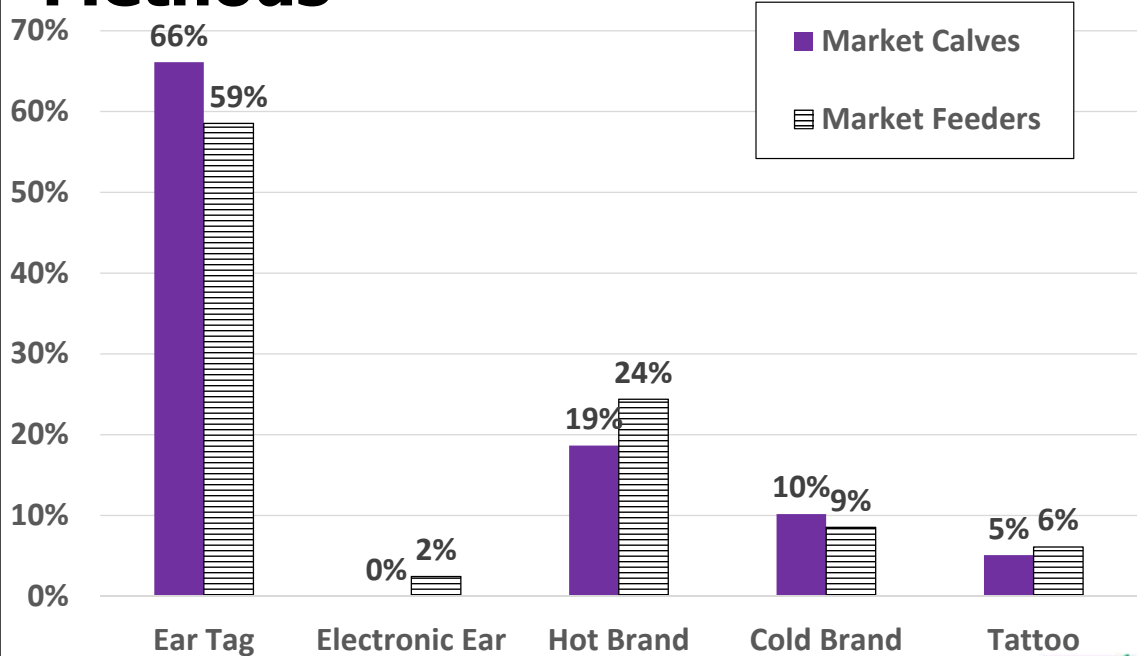
Animal Identification



2019 Risk & Profit



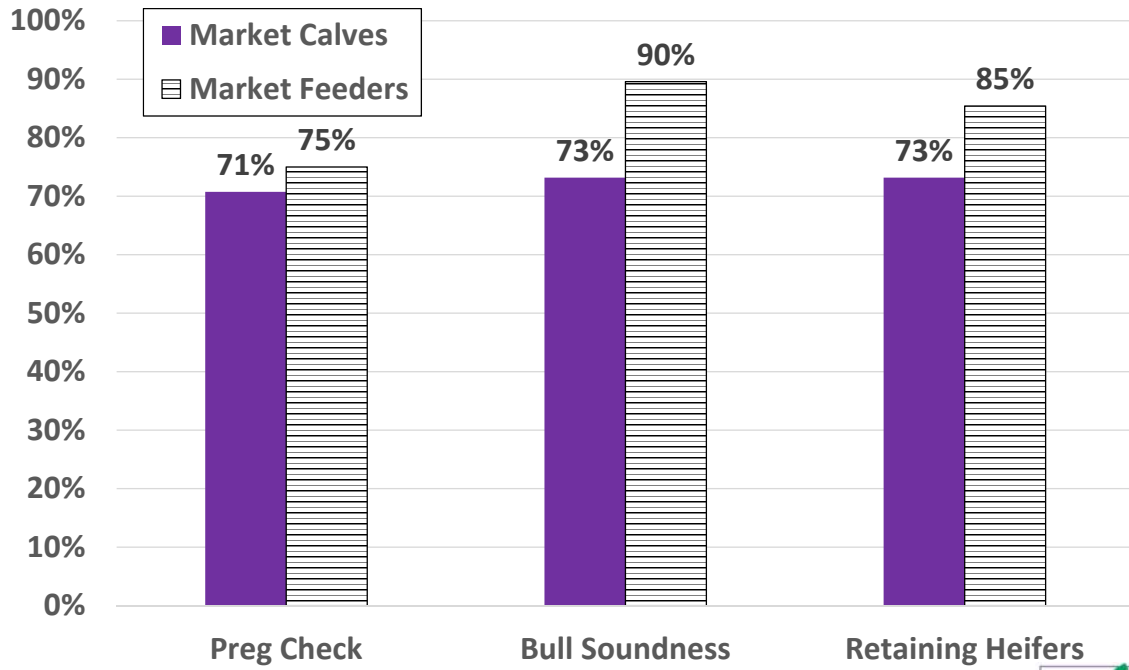
Animal Identification Methods



2019 Risk & Profit



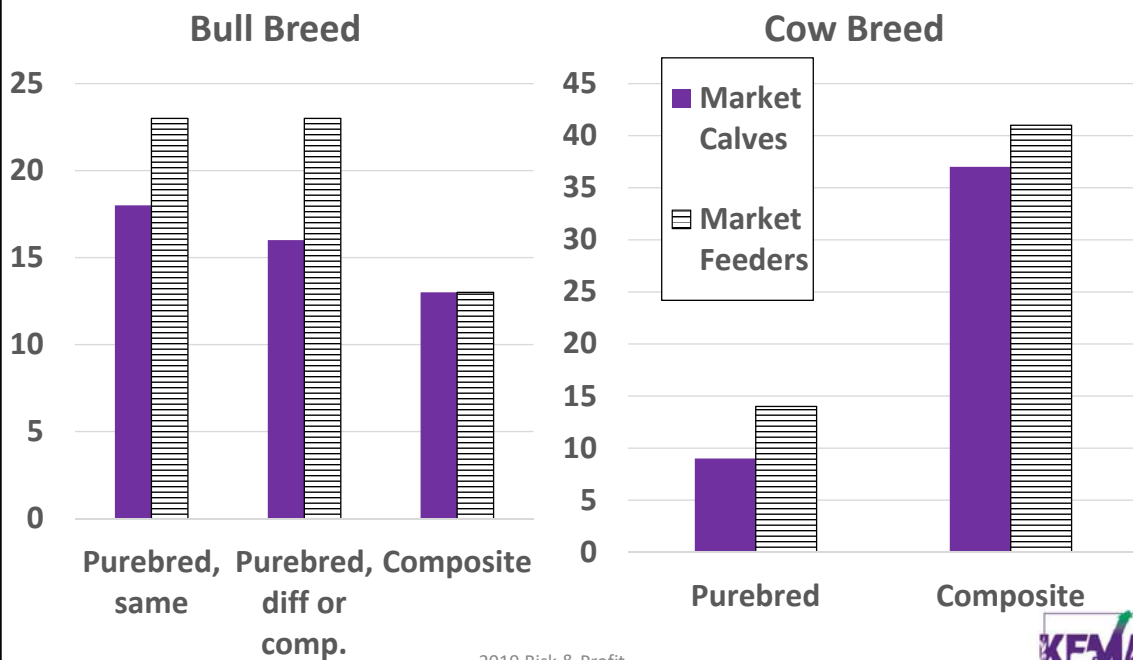
Breeding Program



2019 Risk & Profit



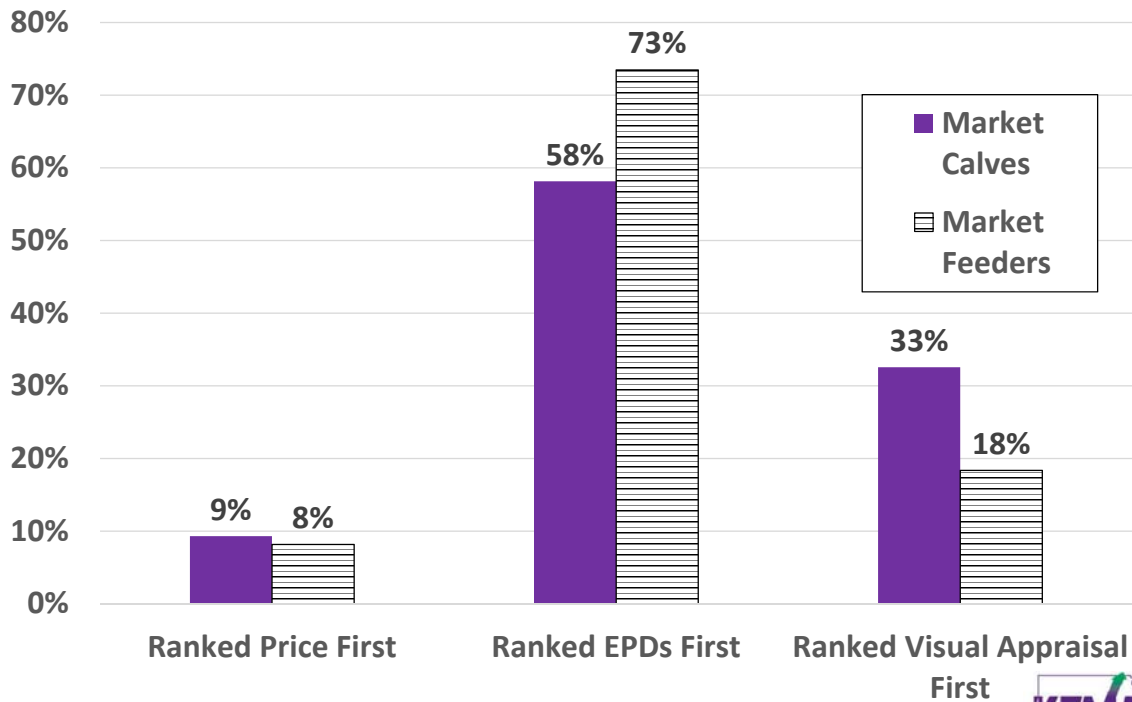
Breeding Program



2019 Risk & Profit



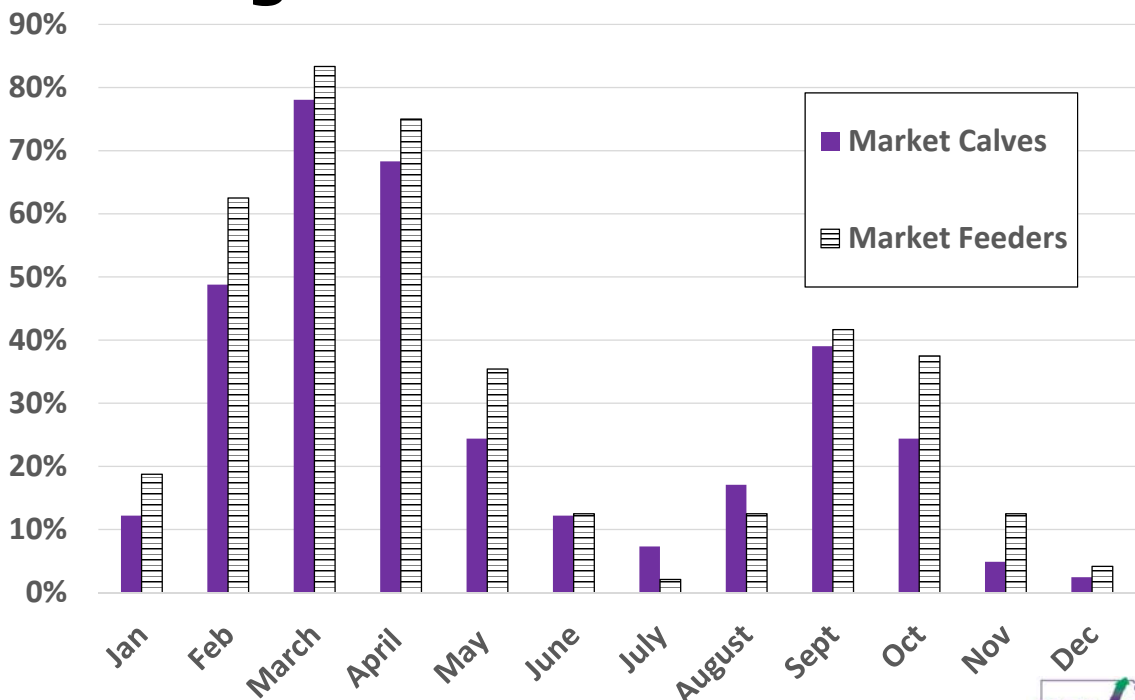
Bull Selection Criteria



2019 Risk & Profit



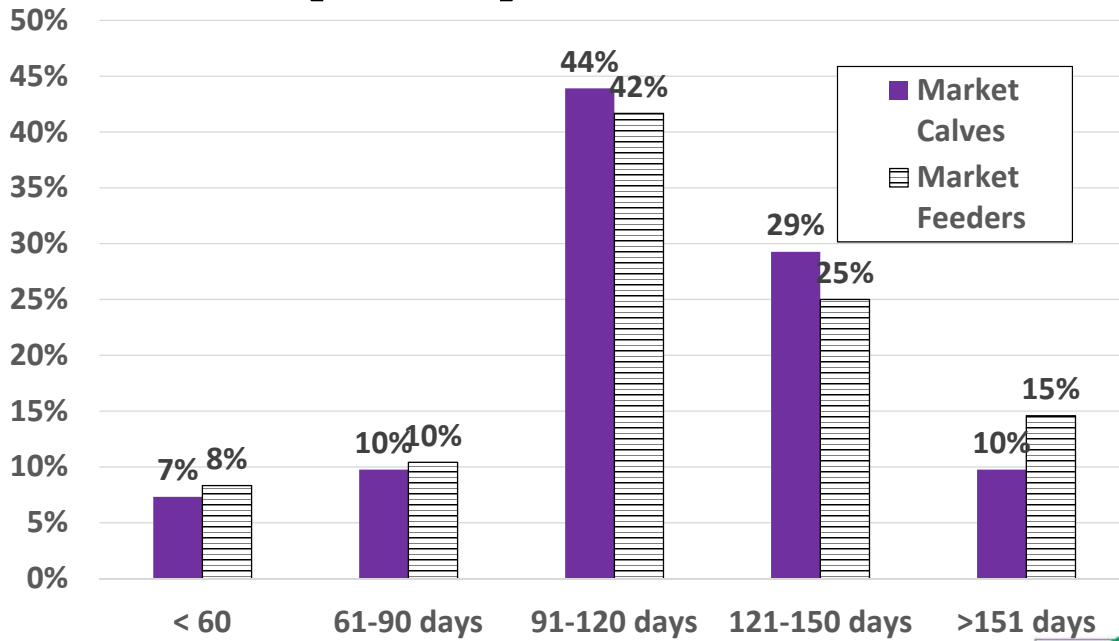
Calving Month



2019 Risk & Profit



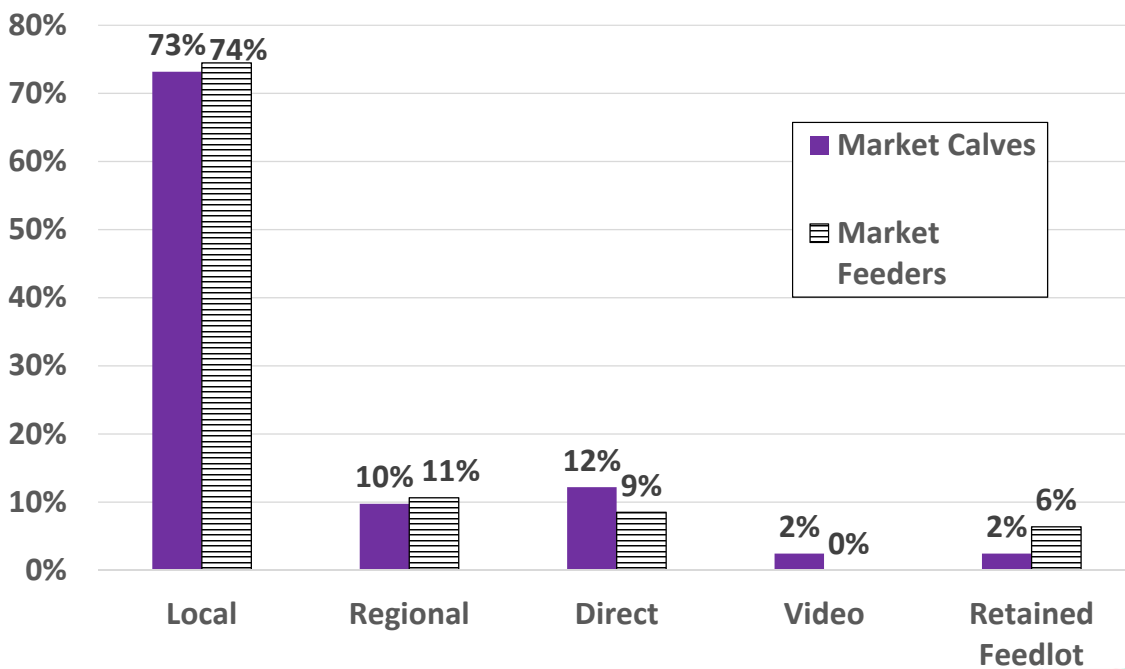
Length of Hay Feeding Season (2018)



2019 Risk & Profit



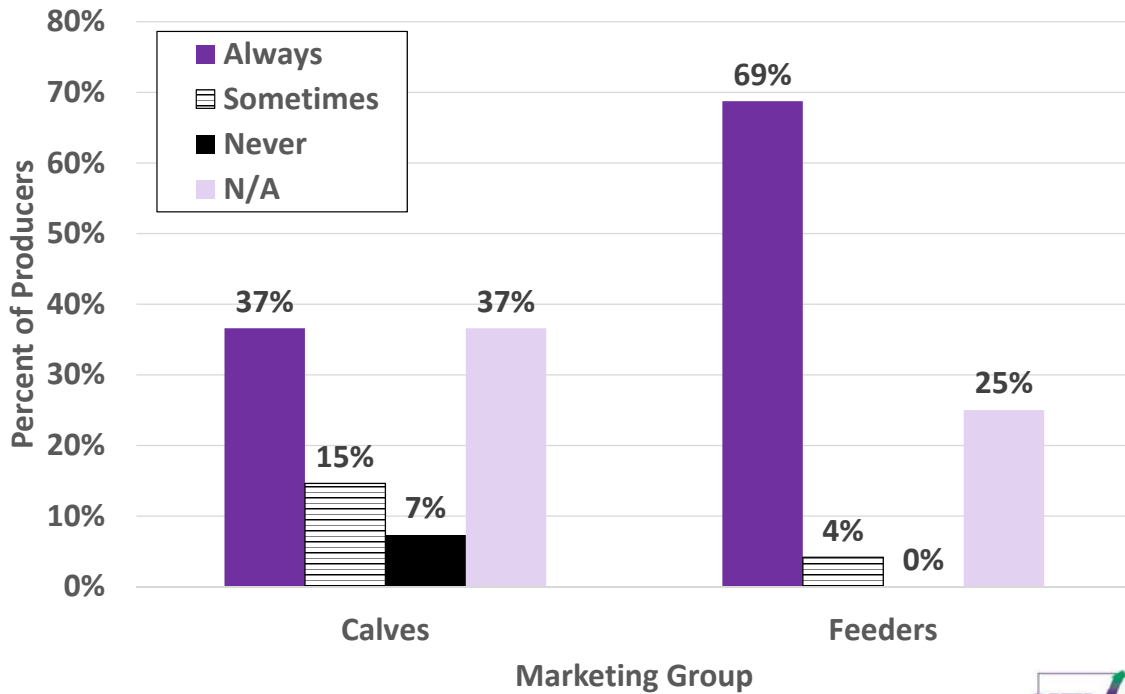
Marketing Method



2019 Risk & Profit



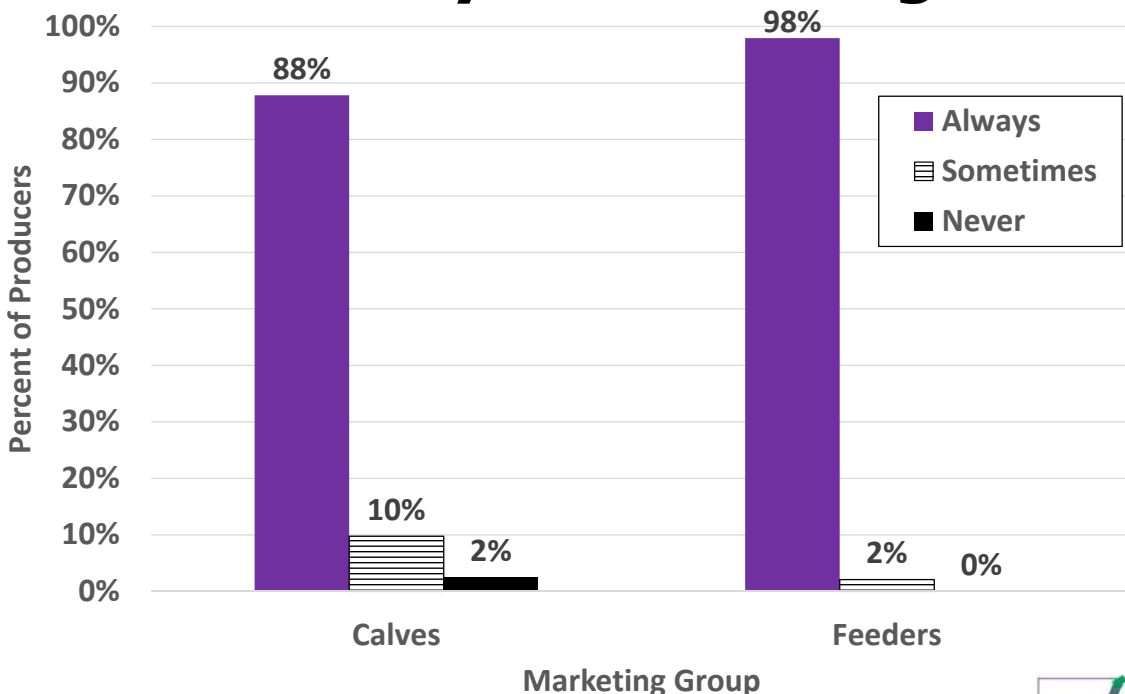
Dehorning by Market Weight



2019 Risk & Profit



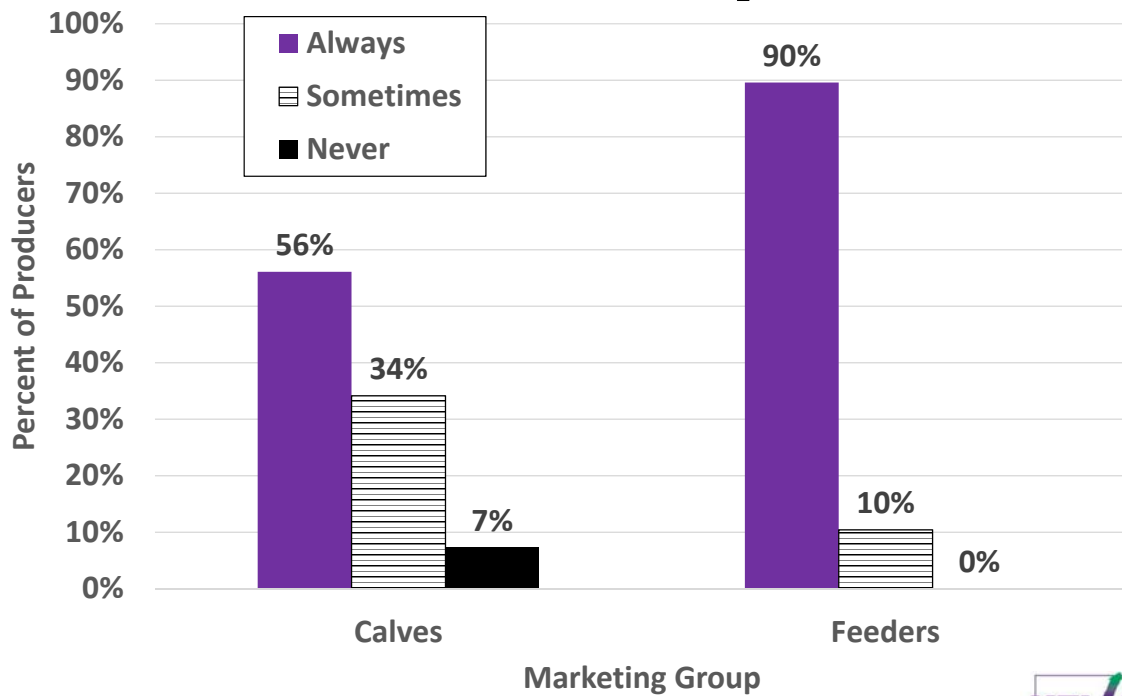
Castration by Market Weight



2019 Risk & Profit



Feed Bunk Familiarity

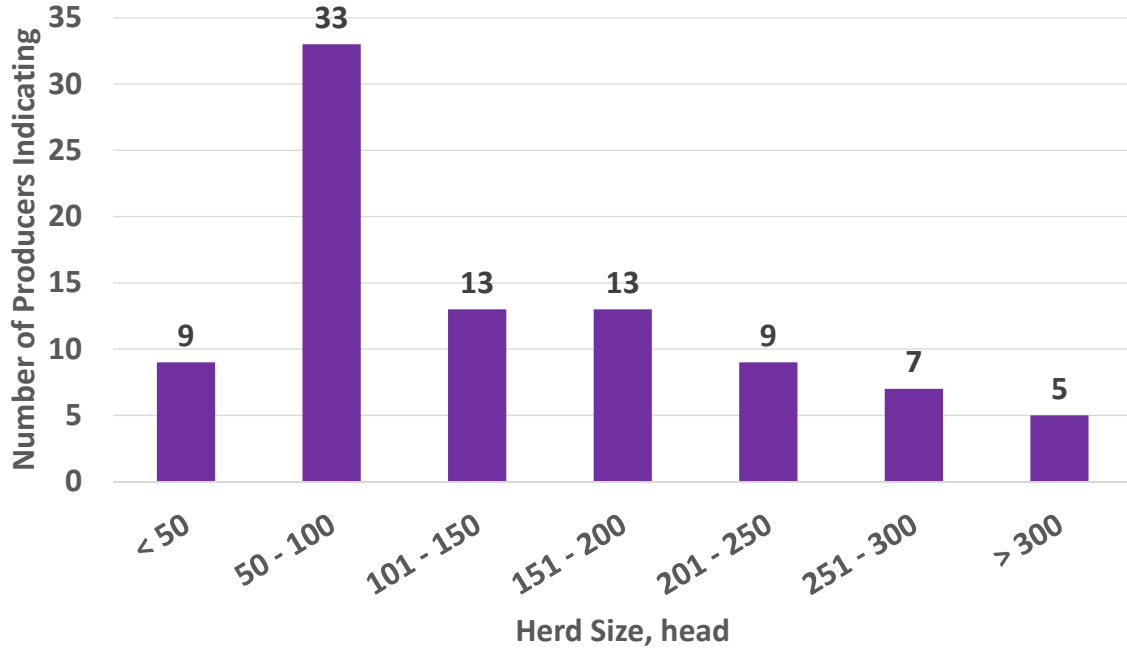


2019 Risk & Profit



Summary by Herd Size

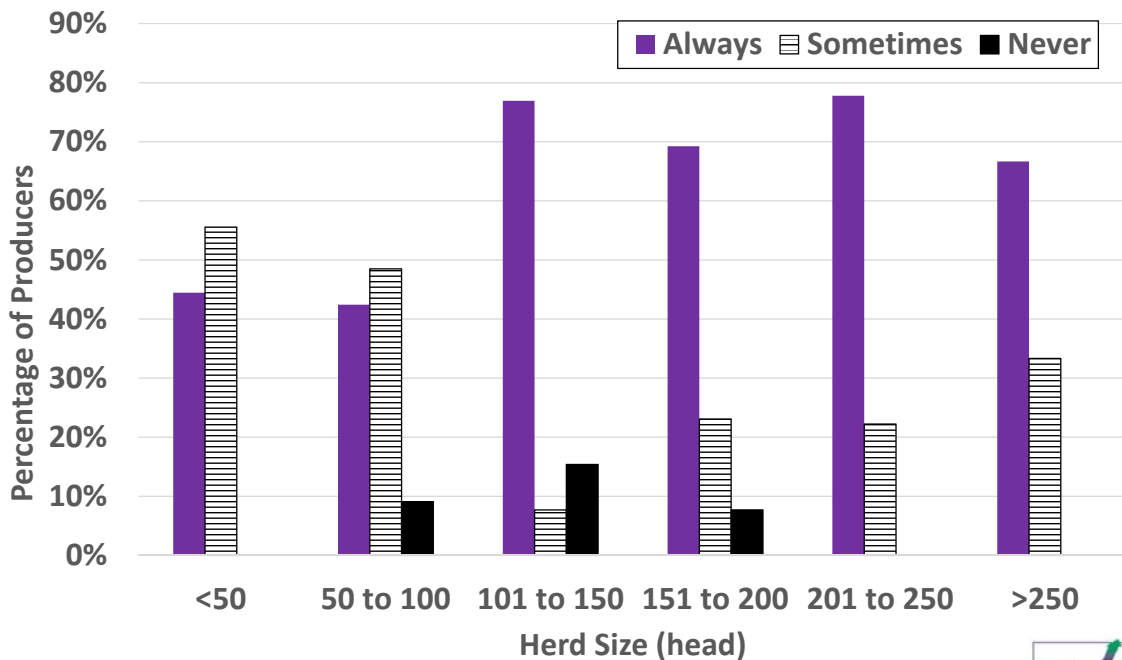
Overall Herd Size



2019 Risk & Profit



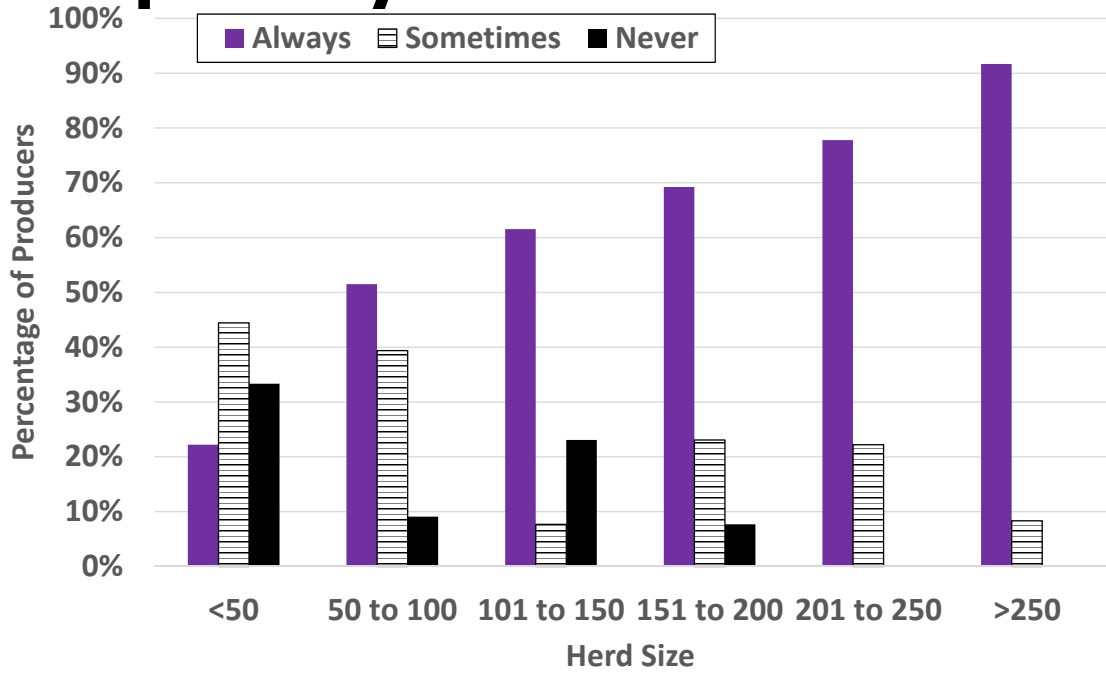
Weaned Prior to Market by Herd Size



2019 Risk & Profit



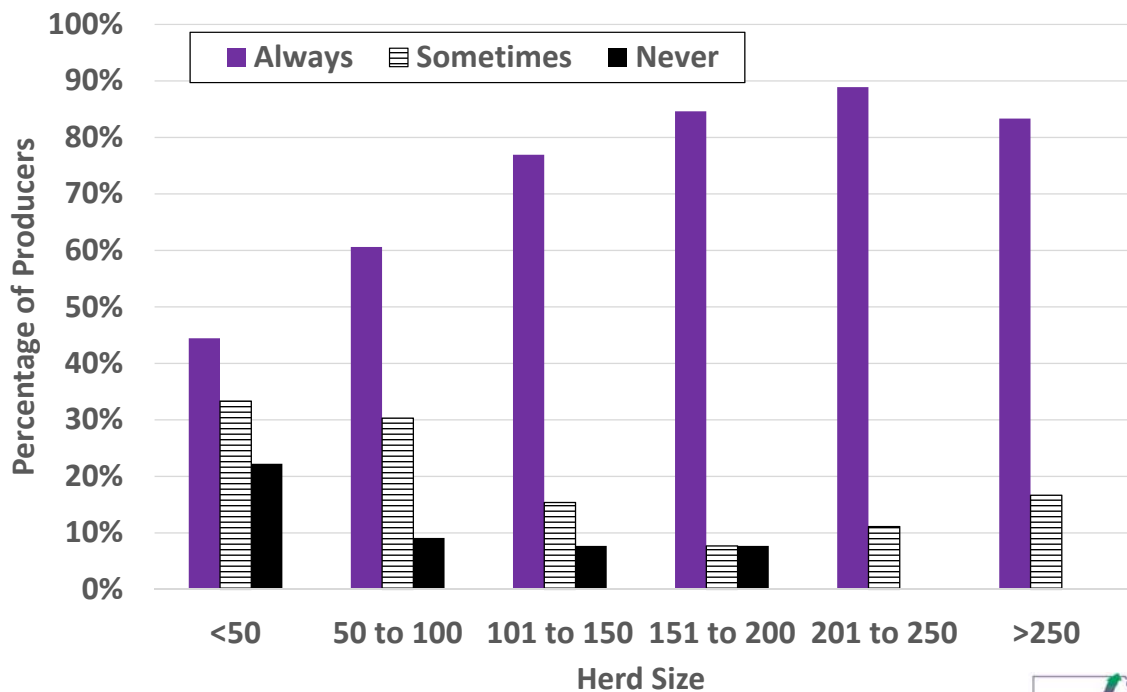
Respiratory Vaccines



2019 Risk & Profit



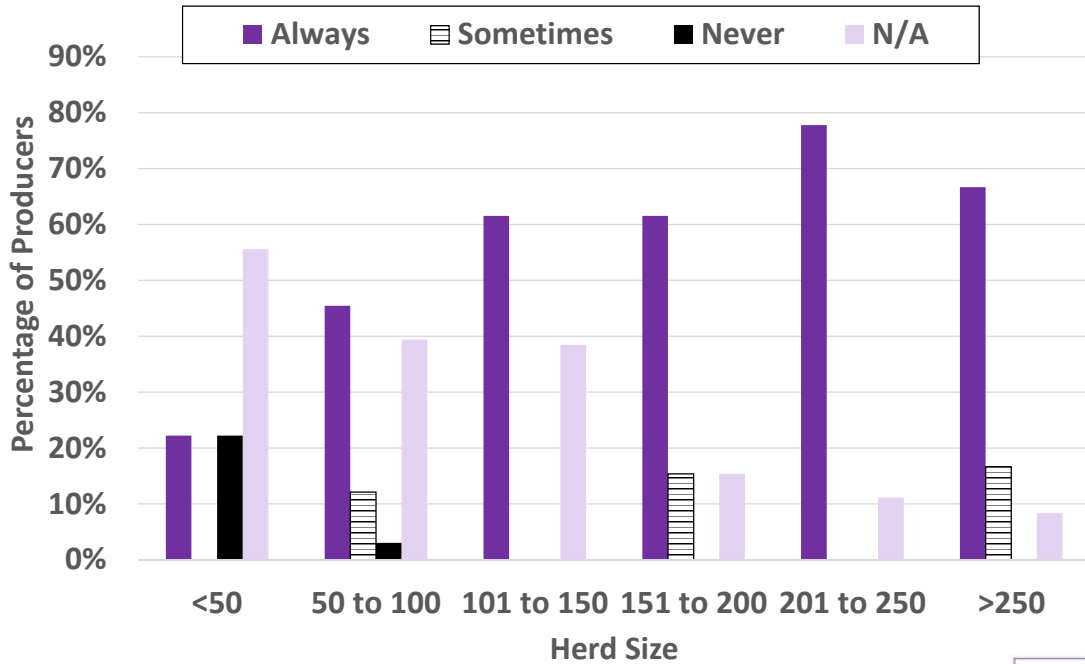
Parasite Treatment



2019 Risk & Profit



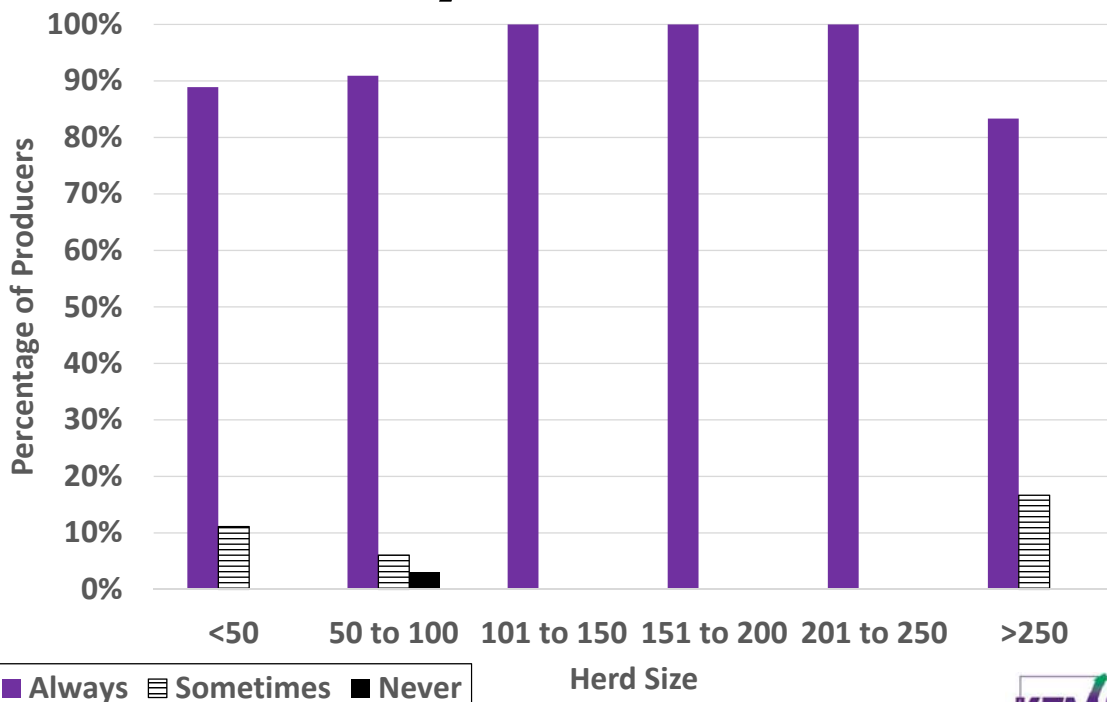
Dehorning by Herd Size



2019 Risk & Profit



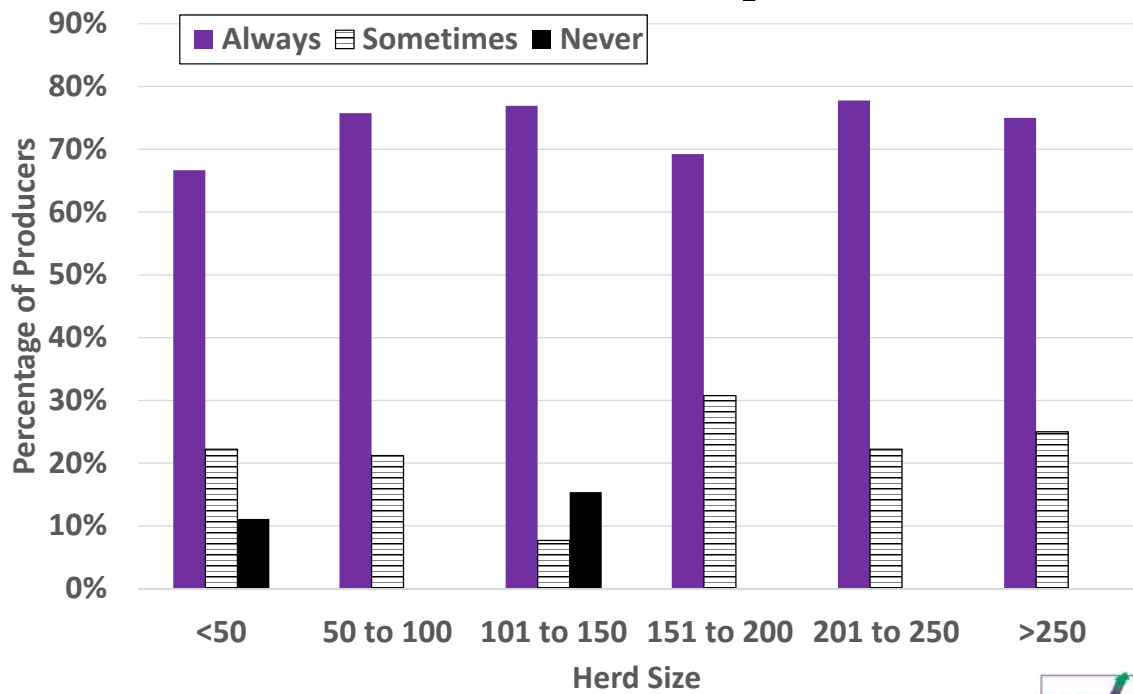
Castration by Herd Size



2019 Risk & Profit



Feed Bunk Familiarity

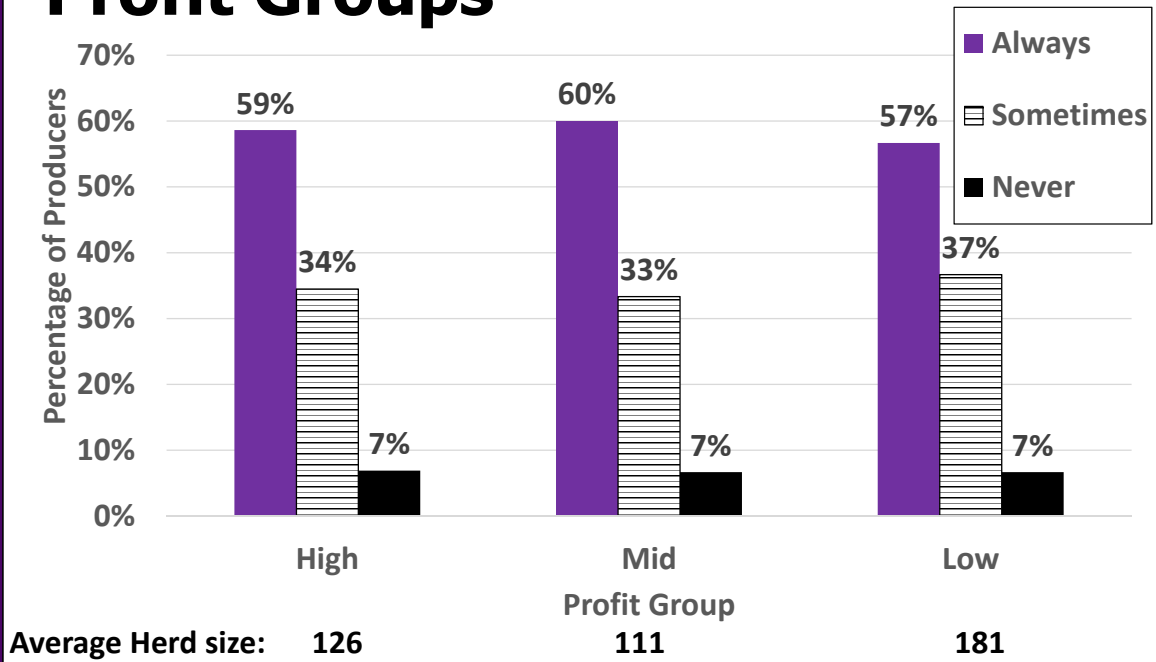


2019 Risk & Profit



Summary by Profit Thirds

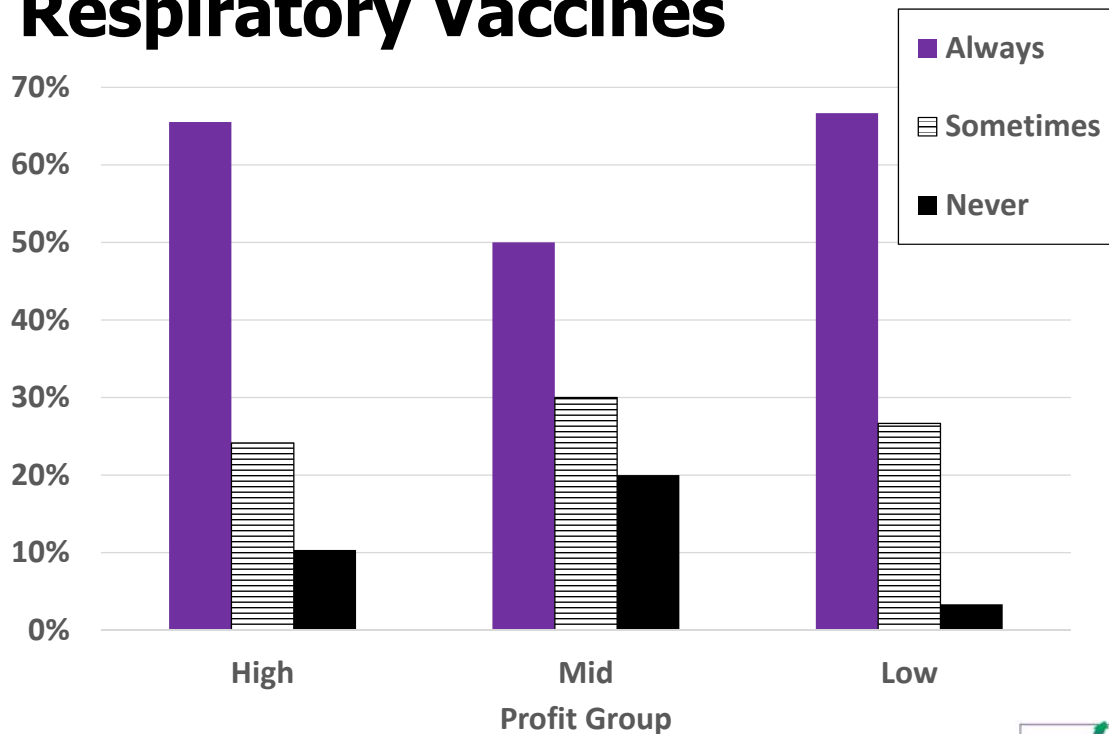
Weaned Prior to Marketing by Profit Groups



2019 Risk & Profit



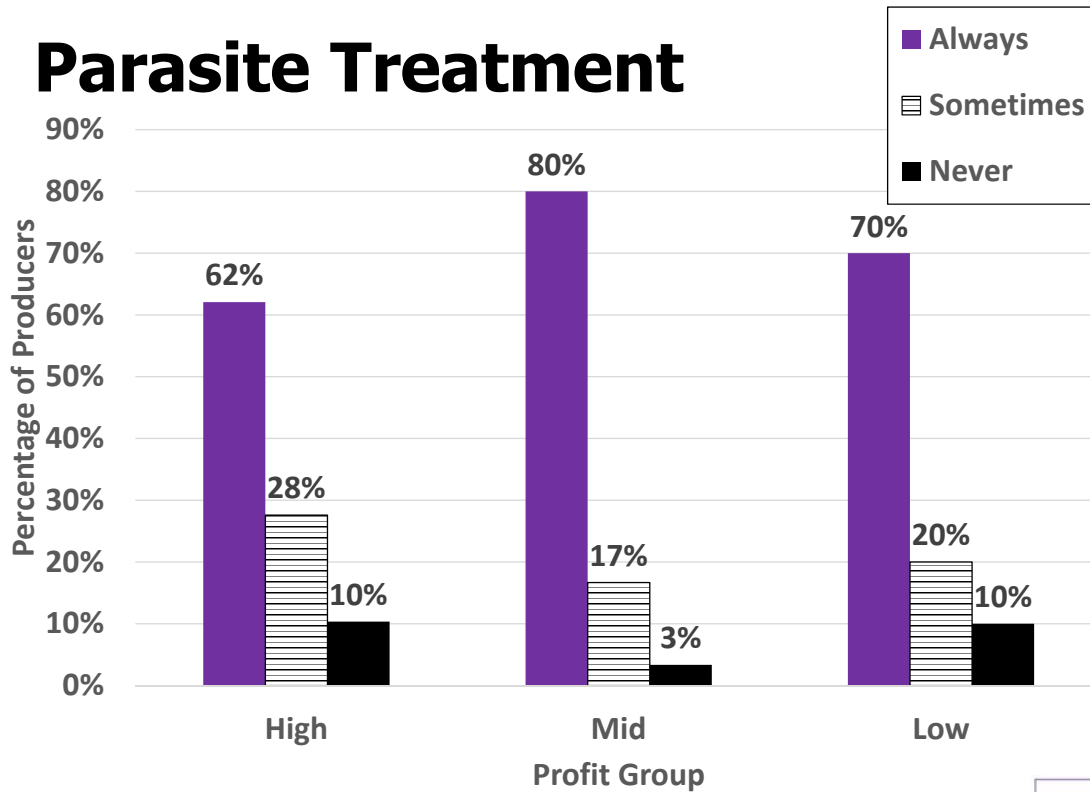
Respiratory Vaccines



2019 Risk & Profit



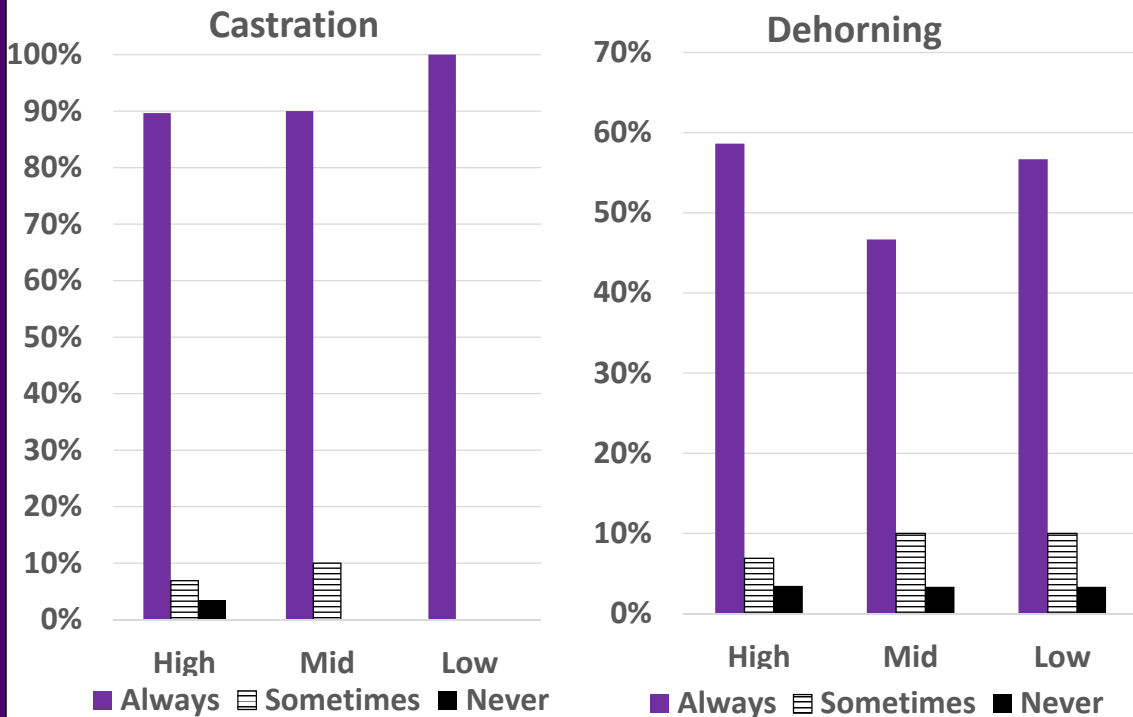
Parasite Treatment



2019 Risk & Profit

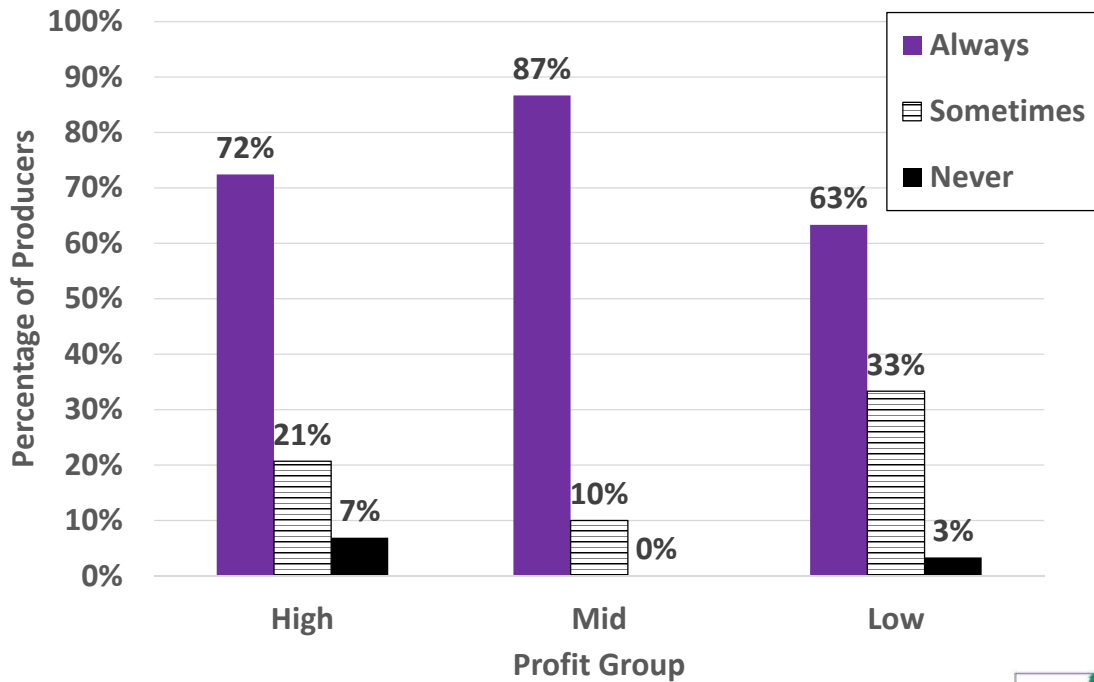


Castration & Dehorning



2019 Risk

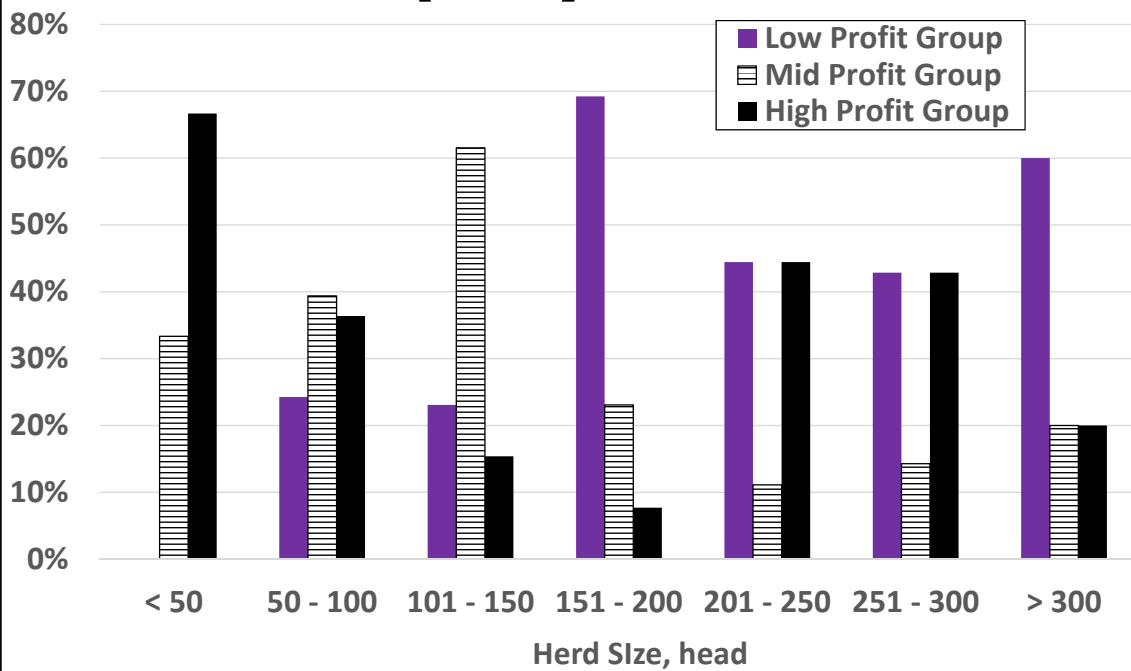
Feed Bunk Familiarity



2019 Risk & Profit



Profit Groups by Herd Size



2019 Risk & Profit





Additional Survey Results

Average Producer Age

Herd Size	Average Producer Age
<50	61.8
50 to 100	58.2
101 to 150	56.9
151 to 200	60.1
201 to 250	56.2
>250	67.5
Overall	59.69

Relationship Between Pasture Acres and Hay Feeding Season

		Pasture Acres per Cow		
		Average	Min	Max
Length of hay Feeding Season (days)	<60	12.521	7.34	23.40
	90	10.985	3.15	21.48
	120	8.573	1.99	16.07
	150	8.203	0.54	12.52
	>150	7.824	0.90	13.77

	Pasture Acres per cow	Feeding Days
Pasture Acres per cow	1	
Feeding Days	-0.13369267	1

2019 Risk & Profit

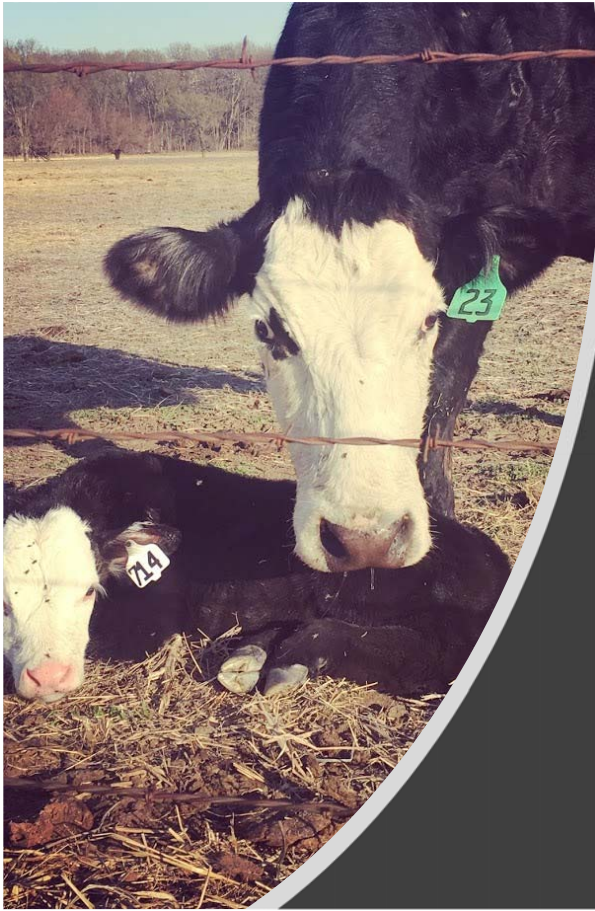


Relationship Between Non-Pasture Feed Costs and Length of Hay Feeding Season

		Non-Pasture Feed Costs per cow		
		Average	Min	Max
Length of hay Feeding Season (days)	<60	\$298	\$114	\$537
	90	\$341	\$100	\$538
	120	\$334	\$124	\$634
	150	\$344	\$156	\$675
	>150	\$466	\$206	\$590

	Feeding Days	Non-Pasture Feed Costs per cow
Feeding Days	1	
Non-Pasture Feed Costs	0.31960	1





**Questions?
Comments?
Suggestions?
Future-
Projects?**

Thank You

Jordan Steele

KFMA, NW

jordanraysteele@ksu.edu

Office: 785-462-6664

Amy Boline

KFMA, NE

arboline@ksu.edu

Office: 785-364-2706

Kevin Herbel

KFMA Executive Director

kherbel@ksu.edu

Office: 785-532-8706