

State Summary - Final Report - May 6, 1997
1996 Beef Cow Business Record ISU-IRM-SPA

Iowa State University Financial and Economic Production Summary

Averages for 32 Herds

	Financial	Economic
Returns for Cow-Calf Enterprise		
	<u>Average</u>	<u>Average</u>
1. Return to Capital, Labor & Mgmt.	(\$641)	(\$1,551)
2. Return to Labor & Mgmt.	(\$1,469)	(\$6,015)
3. Net Profit		(\$10,162)
4. Return per \$100 of Feed Fed	\$166	\$147
5. Annual % Return on Capital Investment	-0.7%	-3.2%
6. Return per Hour of Operator Labor	\$0.87	(\$9.92)
Costs for Cow-Calf Enterprises		
7. January 1 Number of Cows in Herd	105	105
8. a. Pasture Cost per Cow	\$83.13	\$92.18
b. Crop Residues per Cow	\$2.14	\$2.14
c. Harvested Forages per Cow	\$55.19	\$61.79
d. Non-Purchased Raised Feed Fed per Cow	\$18.48	\$18.48
e. Purchased Feed per Cow	\$28.83	\$29.88
f. Total Feed Cost per Cow	\$187.76	\$204.46
9. Operating Cost per Cow	\$66.08	\$66.08
10. Depreciation Cost per Cow	\$32.84	\$33.55
11. Capital Charge per Cow	\$8.68	\$43.50
12. Hired Labor Cost per Cow	\$5.63	\$7.24
13. Family & Operator Labor Charge per Cow	xxxxxxx	\$57.80
14. Total Cost per Cow in Herd, January 1	\$300.99	\$399.32
15. a. Return to Management per Cow	(\$31.42)	(\$86.49)
b. Margin per Cwt Beef Produced, Inventory Included	(\$7.85)	(\$45.60)
Costs/Cwt for Cow-Calf Enterprises		
16. Feed Cost per Cwt of Beef Produced	\$40.85	\$44.05
17. a. Operating Cost per Cwt of Beef Produced	\$10.88	\$10.88
b. Vet Med Cost per Cwt of Beef Produced	\$4.68	\$4.68
18. Depreciation Cost per Cwt of Beef Produced	\$7.34	\$7.34
19. Capital Cost per Cwt of Beef Produced	\$2.06	\$10.04
20. Family & Operator Labor Cost per Cwt of Beef Produced	xxxxxxx	\$9.76
21. Total Cost per Cwt of Beef Produced	\$65.81	\$86.75
Production & Sales for Cow-Calf Enterprises		
22. Total Number of Feeder Calves Sold		88
23. Average Age at Weaning		190
24. Average Weight of Feeder Calves Sold		482
25. Pounds of Calf Weight Sold per Cow		421
26. Price per Cwt of Feeder Calves Sold		\$63.45
27. Total Number of Breeding Stock Sold		19
28. Average Weight of Breeding Stock Sold		1139
29. Pounds of Breeding Stock Sold per Cow		198
30. Price per Cwt of Breeding Stock Sold		\$35.93
31. Total Pounds of Beef Produced per Cow		469
32. Total Pounds of Beef Sold per Cow		619
33. Total Value of Production Sold per Cow		\$345.12

Data collected by ISU Field Livestock Specialist, Chips and SPA Technicians, and summary prepared by Daryl Strohhahn, Extension Beef Specialist, Iowa State University, Ames, IA 50011.

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Forage Production Costs		
	<u>Average</u>	<u>Average</u>
1. Number of Acres in Forage Production	90.8	91.5
2. Land Charge per Acre	\$36.05	\$48.37
3. Operating Cost per Acre	\$44.05	\$44.05
4. Depreciation Cost per Acre	\$14.36	\$14.07
5. Non-Real Estate Loan, Principal & Interest per Acre	\$6.02	xxxxx
6. Family & Operator Labor per Acre	xxxxx	\$22.39
7. Total Cost per Acre of Land in Forage Production	\$100.49	\$128.88
8. Yield per Acre of Forage Production, Tons	3.3	3.1
9. Land Charge per Ton	\$12.26	\$17.47
10. Operating Cost per Ton	\$14.68	\$15.02
11. Depreciation Cost per Ton	\$4.01	\$4.01
12. Non-Real Estate Loan, Principal & Interest per Ton	\$1.39	xxxxx
13. Family & Operator Labor per Ton	xxxxx	\$7.37
14. Total Cost per Ton of Forage Produced	\$32.35	\$43.88
Pasture & Aftermath Summary		
15. Number of Acres Pastured	274	274
16. Land Charge per Acre	\$24.17	\$31.09
17. Operating Cost per Acre	\$9.30	\$14.51
18. Depreciation Cost per Acre	\$0.75	\$0.75
19. Non-Real Estate Loan, Principal & Interest per Acre	\$2.18	xxxxx
20. Family & Operator Labor per Acre	xxxxx	\$5.21
21. Total Cost per Acre of Land in Pasture Production	\$36.40	\$51.55
22. Acres per Cow-Calf Pair	2.5	2.5
23. Animal Unit Months from Pasture	878	878
24. Pasture Cost per Cow-Calf Pair	\$83.13	\$112.51
25. AUM per Acre	3.8	3.8
26. Cost per AUM	\$9.85	\$13.01
27. Cost per Day for 1000 lbs of Body Weight	\$0.33	\$0.43
Aftermath Grazing		
28. Acres per Producing Cow	3.5	3.5
29. Cost per Acre	\$0.81	\$0.81
30. Cost per Cow	\$2.63	\$2.63
31. AUM per Acre	0.6	0.6
32. Cost per AUM	\$1.50	\$1.50
33. Cost per Day for 1000 lbs of Body Weight	\$0.050	\$0.050
Feed Utilization Summary		
	<u>Dry Matter</u>	<u>Feed Mkt.</u>
	<u>(lbs)</u>	<u>Value</u>
34. Raised Hay Fed per Cow	2745	\$49.91
35. Other Home-Raised Feed Fed per Cow	564	\$20.95
36. Purchased Hay Fed per Cow	331	\$8.40
37. Purchased Supplements Fed per Cow	107	\$14.84
38. Purchased Silages & Concentrates Fed per Cow	110	\$8.43
39. Total Feed Fed per Cow	3883	\$102.53
40. Feed Fed per Cwt. Marketed	642	

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Reproduction & Production Measures		<u>Average</u>	
1. Pregnancy Percentage		91.2%	
2. Pregnancy Loss Percentage		4.9%	
3. Calving Percentage		86.3%	
4. Calf Death Loss		3.9%	
5. Calf Crop or Weaning Percentage		82.3%	
6. Female Replacement Rate		17.3%	
7. Calf Death Loss Based on No. of Calves Born		3.6%	
Calving Distribution			
8. Beginning Calving Date:		16-Mar	
9. Calves Born During 1st 21 Days		57.0%	
10. Calves Born During 1st 42 Days		84.5%	
11. Calves Born During 1st 63 Days		92.7%	
12. Calves Born After 1st 63 Days		9.2%	
Production Performance Measures			
13. Average Age at Weaning (Days)		190	
Actual Weaning Weights			
14. Steers/Bulls		483	
15. Heifers		452	
16. Average Weaning Weight		469	
17. Pounds Weaned per Exposed Female		391	
Summary of Investment per Breeding Cow		<u>Cost Basis</u>	<u>Market Value</u>
18. Breeding Livestock		\$604	\$644
19. Machinery, Equipment & Structures		\$71	\$180
20. Current Assets		\$67	\$67
21. Total Capital Investment/Cow		\$742	\$891
Summary of Investment per Forage Production Acre			
22. Structures & Equipment		\$68	\$133
23. Real Estate		\$268	\$437
24. Current Assets		\$78	\$78
25. Total Capital Investment/Forage Production Acre		\$414	\$648
Summary of Investment per Pasture Acre			
26. Structures & Equipment		\$2	\$12
27. Real Estate		\$244	\$356
28. Current Assets		\$14	\$19
29. Total Capital Investment/Forage Production Acre		\$259	\$387

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