

2003 SPA Summary

Beef Cow Business Record Final Report Multi-State Summary from IA, IL, KY & MI

Average for 30
commercial
and purebred herds

	Financial	Economic
Returns for Cow-Calf Enterprise		
1. Return to Capital, Labor & Mgmt.	\$12,139	\$3,383
2. Return to Labor & Mgmt.	\$11,309	\$112
3. Net Profit	XXXXX	(\$5,717)
4. Return per \$100 of Feed Fed	\$221	\$173
5. Annual % Return on Capital Investment	13.1%	4.6%
6. Return per Hour of Operator Labor	\$23.10	\$6.26
Costs for Cow-Calf Enterprises		
7. January 1 Number of Cows in Herd	158	158
8. a. Pasture Cost per Cow	\$76.14	\$114.97
b. Crop Residues per Cow	\$1.82	\$1.82
c. Harvested Forages per Cow	\$65.10	\$89.14
d. Non-Purchased Raised Feed Fed per Cow	\$28.12	\$28.12
e. Purchased Feed per Cow	\$56.45	\$56.45
f. Total Feed Cost per Cow	\$227.63	\$290.50
9. Operating Cost per Cow	\$82.59	\$82.59
10. Depreciation Cost per Cow	\$40.04	\$40.04
11. Capital Charge per Cow	\$7.13	\$24.34
12. Hired Labor Cost per Cow	\$8.74	\$8.74
13. Family & Operator Labor Charge per Cow	XXXXX	\$46.58
14. Total Cost per Cow in Herd, January 1	\$366.13	\$492.79
15. a. Return to Management per Cow	\$86.46	\$16.33
b. Margin per Cwt Beef Produced, Inventory Included	\$19.61	\$4.65
Costs/Cwt for Cow-Calf Enterprises		
16. Feed Cost per Cwt of Beef Produced	\$49.75	\$63.62
17. a. Operating Cost per Cwt of Beef Produced	\$15.11	\$15.11
b. Vet Med Cost per Cwt of Beef Produced	\$6.04	\$6.04
18. Depreciation Cost per Cwt of Beef Produced	\$7.90	\$7.90
19. Capital Cost per Cwt of Beef Produced	\$1.48	\$5.27
20. Family & Operator Labor Cost per Cwt of Beef Produced	XXXXX	\$9.33
21. Total Cost per Cwt of Beef Produced	\$80.28	\$107.27
Production & Sales for Cow-Calf Enterprises		
22. Total Number of Feeder Calves Sold		149

23. Average Age at Weaning	186
24. Average Weight of Feeder Calves Sold	496
25. Pounds of Calf Weight Sold per Cow	456
26. Price per Cwt of Feeder Calves Sold	\$100.70
27. Total Number of Breeding Stock Sold	25
28. Average Weight of Breeding Stock Sold	1,299
29. Pounds of Breeding Stock Sold per Cow	207
30. Price per Cwt of Breeding Stock Sold	\$48.72
31. Total Pounds of Beef Produced per Cow	515
32. Total Pounds of Beef Sold per Cow	663
33. Total Value of Production Sold per Cow	\$572.23

Summary prepared by Alan Miller, IRM/SPA Coordinator and Richard Knipe, Extension Educator, University of Illinois in cooperation with the Iowa Beef Center, Iowa State University.

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Forage Production Costs	<u>Financial</u>	<u>Economic</u>
1. Number of Acres in Forage Production	148.1	148.1
2. Land Charge per Acre	\$33.52	\$54.51
3. Operating Cost per Acre	\$79.70	\$79.70
4. Depreciation Cost per Acre	\$19.48	\$19.48
5. Non-Real Estate Loan, Principal & Interest per Acre	\$2.34	XXXXXX
6. Family & Operator Labor per Acre	XXXXXX	\$24.92
7. Total Cost per Acre of Land in Forage Production	\$135.04	\$178.60
8. Yield per Acre of Forage Production, Tons	3.1	3.1
9. Land Charge per Ton	\$11.65	\$19.60
10. Operating Cost per Ton	\$27.32	\$27.32
11. Depreciation Cost per Ton	\$7.92	\$7.92
12. Non-Real Estate Loan, Principal & Interest per Ton	\$0.68	XXXXXX
13. Family & Operator Labor per Ton	XXXXXX	\$8.56
14. Total Cost per Ton of Forage Produced	\$47.58	\$63.40
Pasture Summary		
15. Number of Acres Pastured	433.6	433.6
16. Land Charge per Acre	\$23.97	\$37.11
17. Operating Cost per Acre	\$11.98	\$11.98
18. Depreciation Cost per Acre	\$1.77	\$1.77
19. Non-Real Estate Loan, Principal & Interest per Acre	\$0.58	XXXXXX
20. Family & Operator Labor per Acre	XXXXXX	\$8.19

21. Total Cost per Acre of Land in Pasture Production	\$38.29	\$59.05	
22. Acres per Cow-Calf Pair	2.2	2.2	
23. Animal Unit Months from Pasture	1,398.3	1,398.3	
24. Pasture Cost per Cow-Calf Pair	\$76.14	\$114.97	
25. AUM per Acre	5.0	5.0	
26. Cost per AUM	\$8.97	\$13.55	
27. Cost per Day for 1000 lbs of Body Weight	\$0.30	\$0.45	
Aftermath Grazing Summary			
28. Acres per Producing Cow	1.4	1.4	
29. Cost per Acre	\$1.28	\$1.28	
30. Cost per Cow	\$1.82	\$1.82	
31. AUM per Acre	1.7	1.7	
32. Cost per AUM	\$1.17	\$1.17	
33. Cost per Day for 1000 lbs of Body Weight	\$0.04	\$0.04	
Feed Utilization Summary			
	Dry Matter	Financial	Economic
	(lbs)	Value	Value
34. Raised Hay Fed per Cow	2,807	\$64.33	\$89.14
35. Other Home-Raised Feed Fed per Cow	804	\$27.58	\$28.12
36. Purchased Hay Fed per Cow	803	\$22.95	\$24.11
37. Purchased Supplements Fed per Cow	147	\$18.95	\$18.63
38. Purchased Silages & Concentrates Fed per Cow	405	\$16.64	\$16.62
39. Total Feed Fed per Cow	4,966	\$150.45	\$176.62
40. Feed Fed per Cwt. Marketed	800	XXXXX	XXXXX

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Reproduction & Production Measures	
1. Pregnancy Percentage	95.5%
2. Pregnancy Loss Percentage	2.5%
3. Calving Percentage	93.0%
4. Calf Death Loss	5.0%
5. Calf Crop or Weaning Percentage	88.1%
6. Female Replacement Rate	11.6%
7. Calf Death Loss Based on No. of Calves Born	3.6%

Calving Distribution:			
8.	Beginning Calving Date:	28-Mar	
9.	Calves Born During 1st 21 Days	59.1%	
10.	Calves Born During 1st 42 Days	81.1%	
11.	Calves Born During 1st 63 Days	91.3%	
12.	Calves Born After 1st 63 Days	8.7%	
Production Performance Measures:			
13.	Average Age at Weaning (Days)	186	
Actual Weaning Weights			
14.	Steers/Bulls	521	
15.	Heifers	489	
16.	Average Weaning Weight	506	
17.	Pounds Weaned per Exposed Female	453	
Summary of Investment per Breeding Cow			
		Cost	Market
		<u>Basis</u>	<u>Basis</u>
18.	Breeding Livestock	\$646	\$745
19.	Machinery, Equipment & Structures	\$133	\$224
20.	Current Assets	\$83	\$83
21.	Total Capital Investment/Cow	\$862	\$1,052
Summary of Investment per Forage Production Acre			
22.	Structures & Equipment	\$128	\$225
23.	Real Estate	\$104	\$428
24.	Current Assets	\$122	\$156
25.	Total Capital Investment/Forage Production Acre	\$355	\$809
26.	Total Capital Investment in Forage Production/Cow	\$233	\$577
Summary of Investment per Pasture Acre			
27.	Structures & Equipment	\$15	\$27
28.	Real Estate	\$185	\$606
29.	Current Assets	\$16	\$24
30.	Total Capital Investment/Pasture Production Acre	\$216	\$657
31.	Total Capital Investment in Pasture Production/Cow	\$436	\$1,428
32.	Total Capital Investment/Cow	\$1,530	\$3,057

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