

Edisto IRM Beef Production Systems

2005 Angus 1st-Calf Heifer Development - Profitability

INCOME

Item	No.	Avg Wt	\$/cwt	\$/head	\$ Value	\$ Total
Culled Cows - Sold	7	1,297	\$ 58.50	\$ 758.75	\$ 5,311.22	\$ 5,311.22
Calves - sold at weaning						
Angus Steers	1	384	\$ 135.00	\$ 518.40	\$ 518.40	
Angus Heifers	3	421	\$ 111.30	\$ 468.57	\$ 1,405.72	\$ 1,924.12
Calves - If sold at weaning						
Angus Steers	12	607	\$ 107.65	\$ 653.44	\$ 7,841.23	
Angus Heifers	9	577	\$ 104.00	\$ 600.08	\$ 5,400.72	\$ 13,241.95
Preconditioning - Profit						
Angus Steers	12			\$ 79.38	\$ 952.56	
Angus Heifers	9			\$ 52.75	\$ 474.75	\$ 1,427.31
Total Income						\$ 21,904.59

EXPENSES

Item	Total Cost	per COW	per CALF
No. of Head		28	25
Winter Grazing - prepared land	\$ 1,913.50	\$ 68.34	\$ 76.54
Summer Grazing - millet	\$ 1,262.00	\$ 45.07	\$ 50.48
Cottonseed	\$ -	\$ -	\$ -
Hay	\$ 2,583.00	\$ 92.25	\$ 103.32
Mineral	\$ 696.50	\$ 24.88	\$ 27.86
Herd Health Program - Cows	\$ 315.59	\$ 11.27	\$ 12.62
Herd Health Program - Calves	\$ 166.64	\$ 5.95	\$ 6.67
AI Breeding & Synchronization	\$ 714.24	\$ 25.51	\$ 28.57
Natural Breeding	\$ 659.23	\$ 23.54	\$ 26.37
Marketing	\$ 162.50	\$ 5.80	\$ 6.50
Utilities & Maintenance	\$ 433.00	\$ 15.46	\$ 17.32
Total Expenses	\$ 8,906.20	\$ 318.08	\$ 356.25

PROFIT

Item	No. Head	Sold at Weaning	Preconditioned
Total Income		\$ 20,477.28	\$ 21,904.59
Total Expenses		8,906.20	8,906.20
Total Profit		\$ 11,571.08	\$ 12,998.39
Profit - per calf weaned	25	\$ 462.84	\$ 519.94

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2005 Angus 1st-Calf Heifer Development - Production Costs

Item	Amount	Units per	Total Used	\$ Cost	Item \$ Total	Total Cost
Winter Grazing - prepared land						
Passerel Ryegrass	20.0 acres	25 lbs	10.0 bags	\$ 22.00 bag	\$ 220.00	
20-3-20 Fertilizer + spread	20.0 acres	300 lbs	3.00 tons	\$ 286.50 ton	\$ 859.50	
25%-S Nitrogen + spread	20.0 acres	200 lbs	2.00 tons	\$ 157.00 ton	\$ 314.00	
Land Preparation & Planting	20.0 acres	1 acre	20.0 acres	\$ 26.00 acre	\$ 520.00	\$ 1,913.50
Summer Grazing - millet						
Pennleaf Hybrid Pearl Millet	20.0 acres	25 lbs	500 lbs	\$ 22.80 bag	\$ 228.00	
25%-S Nitrogen + spread	20.0 acres	200 lbs	2.00 tons	\$ 157.00 ton	\$ 314.00	
Alley XP herbicide	20.0 acres			\$ 10.00 acre	\$ 200.00	
Land Preparation & Planting	20.0 acres	1 acre	20.0 acres	\$ 26.00 acre	\$ 520.00	\$ 1,262.00
Cottonseed						
Cottonseed - 5.00 lbs/hd/dy	0 days	140 lbs	0.00 tons	\$ 80.00 ton	\$ -	\$ -
Hay						
Coastal bermudagrass hay - 25 lbs/hd/dy	123 days	700 lbs	43.1 tons	\$ 60.00 ton	\$ 2,583.00	\$ 2,583.00
Mineral						
Vigortone 32S Mineral	200 days	7.00 lbs	1,400 lbs	\$ 500.00 ton	\$ 350.00	
Vigortone 32S-Mg Mineral	165 days	7.00 lbs	1,155 lbs	\$ 600.00 ton	\$ 346.50	\$ 696.50
Herd Health Program - Cows						
Ft. Dodge TriVib 5L	28 head	1 dose	28 dose	\$ 0.66 dose	\$ 18.48	
Ft. Dodge Cydectin - September, March	28 head	100 ml	2,800 ml	\$ 60.00 ltr	\$ 168.00	
Privermectin - May	28 head	55 ml	1,540 ml	\$ 22.00 ltr	\$ 33.88	
Privermectin - August	22 head	55 ml	1,210 ml	\$ 22.00 ltr	\$ 26.62	
Saber - April, June, August - 3x15ml	28 head	45 ml	1,260 ml	\$ 122.00 gal	\$ 40.61	
Vet Services				\$ -	\$ -	
Vet Supplies	28 head	1 head	28 head	\$ 1.00 head	\$ 28.00	\$ 315.59
Herd Health Program - Calves						
Pfizer TSV-2	25 head	1 dose	25 dose	\$ 0.51 dose	\$ 12.75	
Pfizer Ultra Choice 7	25 head	1 dose	25 dose	\$ 0.48 dose	\$ 12.00	
Pfizer Leptoform 5	25 head	1 dose	25 dose	\$ 0.34 dose	\$ 8.50	
Privermectin - May	25 head	17.5 ml	438 ml	\$ 22.00 ltr	\$ 9.63	
Saber - April, June, August - 3x10ml	25 head	30 ml	750 ml	\$ 122.00 gal	\$ 24.17	
Ralgro implant - steers only	13 head	1 dose	13 dose	\$ 0.93 dose	\$ 12.09	
Ear Tag - at birth	25 head	2 tag	50 tags	\$ 1.25 tag	\$ 62.50	
Miscellaneous - iodine, tattoo ink, etc.	25 head	1 head	25 head	\$ 1.00 head	\$ 25.00	\$ 166.64
AI Breeding & Synchronization						
Ft. Dodge Factrel Rx (GnRH)	25 dose		25 dose	\$ 2.50 dose	\$ 62.50	
Phoenix Prostaglandin	24 dose		24 dose	\$ 2.93 dose	\$ 70.32	
Tail Paint	1.00 bottle		1.00 bottle	\$ 10.00 bottle	\$ 10.00	
Semen Tank - \$625 - 10 yrs	1.00 year	0.1 tank/yr	0.10 tank	\$ 625.00 tank	\$ 62.50	
Liquid Nitrogen	1.00 year	1 year	1.00 year	\$ 120.00 year	\$ 120.00	
Semen	14 straw		14 straw	\$ 23.78 straw	\$ 332.92	
Supplies - sleeves, gloves, etc.	28 head	1 head	28 head	\$ 2.00 each	\$ 56.00	\$ 714.24
Natural Breeding						
Angus Bull - 5 years less \$1200 salvage	1 year	0.20 bull/yr	0.2 bull	\$ 1,800.00 bull	\$ 360.00	

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Item	Amount	Units per	Total Used	\$ Cost	Item \$ Total	Total Cost
Yearling Bull Maintenance Costs	1 year	1 year	1.00 year	\$ 159.23 year	\$ 159.23	
Pregnancy Testing	28 head	1 head	28 head	\$ 5.00 head	\$ 140.00	\$ 659.23
Marketing						
Marketing - calves	25 head			\$ 6.50 head	\$ 162.50	\$ 162.50
Utilities & Maintenance						
Electricity - water and fence	6.00 month	1 month	6.00 month	\$ 15.00 month	\$ 90.00	
Repairs - fences, water, corrals, etc.	28 head	1 head	28 head	\$ 10.00 head	\$ 280.00	
Pasture mowing	14.0 acres	1 acre	14.0 acres	\$ 4.50 acre	\$ 63.00	\$ 433.00
Total Annual Production Costs						\$ 8,906.20