

Table 2. Net Returns for Each Arizona Ranching Region
(High Revenue and High Cost)
Units \$/Cow

	Strip	Plateau	Central Mountains	Western Desert	Southeastern Desert
Revenues	\$312.74	\$331.80	\$265.14	\$276.15	\$274.26
Feed Cost	\$132.91	\$72.50	\$35.49	\$41.31	\$55.78
Total VC	\$309.49	\$209.05	\$144.05	\$159.65	\$124.80
Cash Ownership Cost	\$21.28	\$172.09	\$41.78	\$87.84	\$22.12
Total Ownership Cost	\$172.01	\$481.23	\$184.63	\$308.37	\$207.55
Returns Above Cash Cost	(\$18.03)	(\$49.34)	\$79.31	\$28.66	\$127.34
Returns Above Total Cost	(\$168.76)	(\$358.48)	(\$63.54)	(\$191.87)	(\$58.09)

Table 3. Net Returns for Each Arizona Ranching Region
(Low Revenue and Low Cost)
Units \$/Cow

	Strip	Plateau	Central Mountains	Western Desert	Southeastern Desert
Revenues	\$223.62	\$236.86	\$190.29	\$197.41	\$196.85
Feed Cost	\$104.41	\$50.39	\$31.18	\$34.60	\$40.36
Total VC	\$234.18	\$151.58	\$113.75	\$124.57	\$77.79
Cash Ownership Cost	\$13.83	\$111.86	\$27.16	\$57.09	\$14.38
Total Ownership Cost	\$111.04	\$313.13	\$119.88	\$200.27	\$136.23
Returns Above Cash Cost	(\$24.39)	(\$26.58)	\$49.38	\$15.75	\$104.68
Returns Above Total Cost	(\$121.60)	(\$227.85)	(\$43.34)	(\$127.43)	(\$17.17)

Table 4. Net Returns for Each Arizona Ranching Region
(High Revenue and Low Cost)
Units \$/Cow

	Strip	Plateau	Central Mountains	Western Desert	Southeastern Desert
Revenues	\$312.74	\$331.80	\$265.14	\$276.15	\$274.26
Feed Cost	\$104.41	\$50.39	\$31.18	\$34.60	\$40.36
Total VC	\$234.18	\$151.58	\$113.75	\$124.57	\$77.79
Cash Ownership Cost	\$13.83	\$111.86	\$27.16	\$57.09	\$14.38
Total Ownership Cost	\$111.04	\$313.13	\$119.88	\$200.27	\$136.23
Returns Above Cash Cost	\$64.73	\$68.36	\$124.23	\$94.49	\$182.09
Returns Above Total Cost	(\$32.48)	(\$132.91)	\$31.51	(\$48.69)	\$60.24

**NORTHEAST REGION
LARGE COW/CALF BUDGET 2014**

	BREED HERD SIZE CULL RATE	298 20%	COW to BULL	20	CALF CROP PERCENT ¹ REPLACEMENT HEIFER'S KEPT	85% 59.5
VALUE OF PRODUCTION						
	<u>QUANTITY</u>	<u>WEIGHT</u>	<u>PRICE²</u>	<u>VALUE</u>	<u>VALUE PER COW</u>	
STEER CALVES	126	550	\$1.60	\$111,265	\$374.00	_____
HEIFER CALVES	67	515	\$1.52	\$52,399	\$176.13	_____
CULL COWS	60	1000	\$0.86	\$51,170	\$172.00	_____
CULL BULLS	1	1400	\$0.92	\$1,288	\$4.33	_____
FEE HUNTING	1			\$7,500	\$25.21	_____
TOTAL	254			\$223,622	\$751.67	_____
VARIABLE COSTS						
	<u>UNITS</u>	<u>QUANTITY/PERCENT</u>	<u>PRICE</u>	<u>COST</u>	<u>VALUE PER COW</u>	
1. FEED COSTS						<u>NEW VALUE</u>
HAY	TON	16.00	\$225	\$3,600	\$12.10	_____
STATE	AUY	20.0%	\$38.04	\$2,263	\$7.61	_____
FEDERAL LEASE	AUY	40.0%	\$16.56	\$4,927	\$16.56	_____
PRIVATE(Owned)	AUY	40.0%	\$0.00	\$0	\$0.00	_____
PRIVATE(Leased Grazing)	AUY	0.0%	\$0.00	\$0	\$0.00	_____
SALT & MINERAL	TON	11	\$325	\$3,529	\$11.86	_____
PROTEIN SUPP	TON	61	\$515	\$31,600	\$106.22	_____
TOTAL				\$45,919	\$154.35	_____
2. OTHER VARIABLE COSTS				<u>COST</u>		<u>NEW VALUE</u>
VET AND MEDICINE				\$4,704	\$15.81	_____
LIVESTOCK HAULING				\$1,314	\$4.42	_____
HIRED LABOR				\$20,000	\$67.23	_____
OPERATING COSTS-EQUIP & MACH				\$3,500	\$11.76	_____
OPERATING COSTS-VEHICLE				\$5,000	\$16.81	_____
RANCH MAINTENANCE				\$6,500	\$21.85	_____
BEEF CHECKOFF				\$193	\$0.65	_____
PURCHASED LIVESTOCK				\$18,000	\$60.50	_____
TOTAL				\$59,211	\$199.03	_____
3. INTEREST ON VARIABLE COSTS						
SUM OF VARIABLE COSTS X MONTHS BORROWED						
X INTEREST RATE PER MONTH						
ANNUAL INTEREST RATE				6.00%		
NUMBER OF MONTHS BORROWED				6		<u>VALUE PER COW</u>
INTEREST COSTS				\$3,154	\$10.60	_____
TOTAL VARIABLE COSTS				\$108,284	\$363.98	_____
RETURN ABOVE VARIABLE COSTS				\$115,337	\$387.69	_____
OWNERSHIP COSTS						
CASH COSTS	Annual Capital Recovery ⁴ (At Replacement Value):			Represents 65% Asset Ownership		
Taxes & Insurance				<u>TOTAL</u>		<u>NEW VALUE</u>
Overhead				\$10,594	\$35.61	_____
Total				\$2,163	\$7.27	_____
NON CASH COSTS						
Purchased Livestock				\$11,947	\$40.16	_____
Machinery & Equipment				\$10,594	\$35.61	_____
Housing & Improvements				\$26,021	\$87.47	_____
Interest on Retained Livestock ⁶				\$25,337	\$85.17	_____
Management & Operation Labor (6% of gross returns)				\$13,417	\$45.10	_____
TOTAL NON CASH COSTS				\$87,317	\$293.50	_____
TOTAL FIXED COSTS				\$100,074	\$336.38	_____
TOTAL CASH AND VARIABLE COSTS				\$121,042	\$406.86	_____
TOTAL COSTS				\$208,358	\$700.36	_____
RETURN ABOVE TOTAL CASH COSTS				\$102,580	\$344.81	_____
RETURN ABOVE TOTAL COSTS				\$15,263	\$51.31	_____
BREAKEVEN CALCULATIONS						
	<u>VARIABLE COSTS</u>	<u>TOTAL COSTS</u>				
REQUIRED AVG. CALF PRICES CASH COST (cwt)	\$80.42	\$89.89				
REQUIRED AVG. CALF PRICES TOTAL COSTS(cwt)	\$80.42	\$154.73				

1) Calf crop is defined as the actual number of calves sold divided, by the total number of cows (assuming all cows were exposed).

2) Prices represent 2014 price projections from Cattle Fax, Doanes reports for New Mexico feeder cattle cash prices.

3) Market prices include commissions, brand inspections, beef council, yardage, feed, and insurance

4) Annual capital recovery is the method of calculating depreciation and interest recommended by the National Task Force on Commodity Costs and Returns Measurement Methods.

5) The 35% reduction in asset values which represent a mix of new and used machinery.

6) Interest on average investment.

**NORTHEAST REGION
LARGE RANCH INVESTMENTS**

Number	Land Values	Price Per Unit	10 Yr Avg Rate of Return	Purchase Price	Salvage/Cull Value	Useful Life	Livestock Share	Annual Capital Recovery
12000	Acres of private land	\$85	3.9%	\$1,020,000	\$1,020,000			
350	AU Values ¹	\$2,500	3.9%	\$875,000	\$875,000			
Sub Totals				\$1,895,000				
Number	Buildings, Improvements	Price Per Unit						
12	Miles of pipeline	\$2,000	3.9%	\$24,000	\$2,400	25	100	\$1,462
8	Wells	\$12,000	3.9%	\$96,000	\$9,600	25	100	\$5,847
70	Miles of Fence	\$4,000	3.9%	\$280,000	\$28,000	25	100	\$17,053
1	Corrals/Working Facilities	\$12,000	3.9%	\$12,000	\$1,200	30	100	\$664
1	Barns & Shop	\$18,000	3.9%	\$18,000	\$1,800	30	100	\$996
Sub Totals				\$430,000				\$26,021
Number	Machinery & Vehicles	Price Per Unit	Interest Rate³	Price	Salvage/Cull			
1	3/4 ton pickup 4WD	\$42,000	6.0%	\$42,000	\$8,400	7	50	\$3,261
1	1ton pickup 4WD	\$45,000	6.0%	\$45,000	\$9,000	7	50	\$3,494
0	Tractor	\$7,000	6.0%	\$0	\$0	7	100	\$0
2	Gooseneck trailer	\$7,500	6.0%	\$15,000	\$3,000	7	100	\$2,330
1	Horse tack	\$5,000	6.0%	\$5,000	\$1,000	10	100	\$603
1	Misc. equipment	\$7,500	6.0%	\$7,500	\$1,500	10	100	\$905
Sub Total				\$114,500				\$10,594
Head	Purchased Livestock	Price Per Unit	Interest Rate³	Price	Salvage/Cull			
9	Horses	\$1,500	6.0%	\$13,500	\$5,130	10	100	\$1,445
15	Bulls	\$3,500	6.0%	\$52,063	\$19,784	4	100	\$10,502
70	Cows	\$1,500	6.0%	\$105,000	\$39,900	8	100	\$12,877
117	Total AUys							
Sub Total				\$65,563				\$11,947
Head	Retained Livestock	Price Per Unit	Interest Rate	Price	Salvage/Cull		Interest on Investment	
297.5	Cows	\$1,500	6.0%	\$446,250	\$169,575			\$21,114
60	Replacement Heifers	\$1,500	6.0%	\$89,250	\$33,915			\$4,223
342	Total AUys							
Sub Total				\$535,500	\$203,490			\$25,337
Total				<u>\$3,040,563</u>				<u>\$61,952</u>

1) The interest rate of 3.9% used to calculate the capital recovery cost is the USDA-ERS's ten year average long-run rate of return to production assets for New Mexico.