

**NORTHEAST REGION
LARGE COW/CALF BUDGET 2018**

	BREED HERD SIZE CULL RATE	333 20%	COW to BULL	20	CALF CROP PERCENT ¹ REPLACEMENT HEIFER'S KEPT	85% 66.5
VALUE OF PRODUCTION						
	<u>QUANTITY</u>	<u>WEIGHT</u>	<u>PRICE²</u>	<u>VALUE</u>	<u>VALUE PER COW</u>	
STEER CALVES	141	550	\$1.52	\$118,137	\$355.30	_____
HEIFER CALVES	75	515	\$1.47	\$56,637	\$170.34	_____
CULL COWS	67	1000	\$0.52	\$34,580	\$104.00	_____
CULL BULLS	1	1400	\$0.62	\$868	\$2.61	_____
FEE HUNTING	1			<u>\$7,500</u>	\$22.56	_____
TOTAL	284			\$217,722	\$654.80	_____
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	\$160	\$2,560	\$7.70	_____
STATE	AUY	20.0%	\$38.04	\$2,530	\$7.61	_____
FEDERAL LEASE	AUY	40.0%	\$20.88	\$6,943	\$20.88	_____
PRIVATE(Owned)	AUY	40.0%	\$0.00	\$0	\$0.00	_____
PRIVATE(Leased Grazing)	AUY	0.0%	\$0.00	\$0	\$0.00	_____
SALT & MINERAL	TON	12	\$690	\$8,374	\$25.19	_____
PROTEIN SUPP	TON	60	\$340	\$20,490	\$61.63	_____
TOTAL				\$40,897	\$123.00	_____
2. OTHER VARIABLE COSTS				<u>COST</u>		<u>NEW VALUE</u>
VET AND MEDICINE				\$5,839	\$17.56	_____
LIVESTOCK HAULING				\$1,630	\$4.90	_____
HIRED LABOR				\$25,000	\$75.19	_____
OPERATING COSTS-EQUIP & MACH				\$5,150	\$15.49	_____
OPERATING COSTS-VEHICLE				\$8,446	\$25.40	_____
RANCH MAINTENANCE				\$10,300	\$30.98	_____
BEEF CHECKOFF				\$216	\$0.65	_____
PURCHASED LIVESTOCK				<u>\$12,000</u>	<u>\$36.09</u>	_____
TOTAL				\$68,582	\$206.26	_____
3. INTEREST ON VARIABLE COSTS						
SUM OF VARIABLE COSTS X MONTHS BORROWED						
X INTEREST RATE PER MONTH						
ANNUAL INTEREST RATE				6.50%		
NUMBER OF MONTHS BORROWED				6		<u>VALUE PER COW</u>
INTEREST COSTS				\$3,558	\$10.70	_____
TOTAL VARIABLE COSTS				\$113,036	\$339.96	_____
RETURN ABOVE VARIABLE COSTS				\$104,686	\$314.84	_____
OWNERSHIP COSTS						
	Annual Capital Recovery ⁴ (At Replacement Value):			Represents 65% Asset Ownership		
CASH COSTS				<u>TOTAL</u>		<u>NEW VALUE</u>
Taxes & Insurance				\$9,386	\$28.23	_____
Overhead				\$2,163	\$6.51	_____
Total				\$11,549	\$34.73	_____
NON CASH COSTS						
Purchased Livestock				\$10,267	\$30.88	_____
Machinery & Equipment				\$9,386	\$28.23	_____
Housing & Improvements				\$26,021	\$78.26	_____
Interest on Retained Livestock ⁶				\$22,025	\$66.24	_____
Management & Operation Labor (6% of gross returns)				<u>\$13,063</u>	<u>\$39.29</u>	_____
TOTAL NON CASH COSTS				\$80,762	\$242.89	_____
TOTAL FIXED COSTS				\$92,311	\$277.63	_____
TOTAL CASH AND VARIABLE COSTS				\$124,586	\$374.69	_____
TOTAL COSTS				\$205,348	\$617.59	_____
RETURN ABOVE TOTAL CASH COSTS				\$93,136	\$280.11	_____
RETURN ABOVE TOTAL COSTS				\$12,374	\$37.22	_____
BREAKEVEN CALCULATIONS						
	VARIABLE COSTS	TOTAL COSTS				
REQUIRED AVG. CALF PRICES CASH COST (cwt)	\$75.11	\$82.78				
REQUIRED AVG. CALF PRICES TOTAL COSTS(cwt)	\$75.11	\$136.45				

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 2018 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.