

**NORTHEAST REGION  
EX-LARGE COW/CALF BUDGET 2016**

BREED HERD SIZE	495	COW to BULL	20	CALF CROP PERCENT <sup>1</sup>	85%
CULL RATE	15%			REPLACEMENT HEIFER'S KEPT	74

**VALUE OF PRODUCTION**

	<u>QUANTITY</u>	<u>WEIGHT</u>	<u>PRICE<sup>2</sup></u>	<u>VALUE</u>	<u>VALUE PER COW</u>	<u>NEW VALUE</u>
STEER CALVES	210	550	\$2.15	\$248,768	\$502.56	_____
HEIFER CALVES	136	515	\$2.08	\$145,817	\$294.58	_____
CULL COWS	94	1000	\$0.81	\$76,343	\$154.23	_____
CULL BULLS	1	1200	\$0.92	\$1,104	\$2.23	_____
FEE HUNTING	1			<u>\$12,000</u>	\$24.24	_____
<b>TOTAL</b>	<b>442</b>			<b>\$484,032</b>	<b>\$977.84</b>	_____

**VARIABLE COSTS**

		<u>UNITS</u>	<u>QUANTITY/PERCENT</u>	<u>PRICE</u>	<u>COST</u>	<u>VALUE PER COW</u>	<u>NEW VALUE</u>
<b>1. FEED COSTS</b>							
	HAY	TON	99.00	\$155	\$15,345	\$31.00	_____
	STATE	AUY	30.0%	\$43.32	\$6,433	\$13.00	_____
	FEDERAL LEASE	AUY	7.0%	\$20.88	\$10,336	\$20.88	_____
	PRIVATE(Owned)	AUY	55.0%	\$0.00	\$0	\$0.00	_____
	PRIVATE(Leased Grazing)	AUY	0.0%	\$0.00	\$0	\$0.00	_____
	SALT & MINERAL	TON	18	\$710	\$12,828	\$25.92	_____
	PROTEIN SUPP	TON	93	\$315	\$29,236	\$59.06	_____
	OTHER		0.00	\$0	<u>\$0</u>	<u>\$0.00</u>	_____
	<b>TOTAL</b>				<b>\$74,177</b>	<b>\$149.85</b>	_____
<b>2. OTHER VARIABLE COSTS</b>					<b>COST</b>		
	VET AND MEDICINE				\$8,236	\$16.64	_____
	LIVESTOCK HAULING				\$2,405	\$4.86	_____
	HIRED LABOR				\$32,000	\$64.65	_____
	OPERATING COSTS-EQUIP & MACH				\$3,500	\$7.07	_____
	OPERATING COSTS-VEHICLE				\$12,000	\$24.24	_____
	RANCH MAINTENANCE				\$12,000	\$24.24	_____
	BEEF CHECKOFF				\$347	\$0.70	_____
	LIVESTOCK PURCHASES				<u>\$30,000</u>	<u>\$60.61</u>	_____
	<b>TOTAL</b>				<b>\$100,487</b>	<b>\$203.00</b>	_____
<b>3. INTEREST ON VARIABLE COSTS</b>							
	SUM OF VARIABLE COSTS X MONTHS BORROWED						
	X INTEREST RATE PER MONTH						
	ANNUAL INTEREST RATE				7.00%		
	NUMBER OF MONTHS BORROWED				6	<b>VALUE PER COW</b>	
					\$6,113	\$12.35	_____
					<u>\$180,778</u>	<u>\$365.21</u>	_____
	<b>TOTAL</b>				<b>\$303,254</b>	<b>\$612.63</b>	_____

**OWNERSHIP COSTS**

		<u>Annual Capital Recovery<sup>4</sup> (At Replacement Valve):</u>	<u>Represents 65% Asset Ownership<sup>5</sup></u>	<u>VALUE PER COW</u>	<u>NEW VALUE</u>
<b>CASH COSTS</b>					
	Taxes & Insurance			\$14,987	\$30.28
	Overhead			\$5,000	\$10.10
	<b>Total</b>			<u>\$19,987</u>	<u>\$40.38</u>
<b>NON CASH COSTS</b>					
	Purchased Livestock			\$19,844	\$40.09
	Machinery & Equipment			\$14,987	\$30.28
	Housing & Improvements			\$34,724	\$70.15
	Interest on Retained Livestock <sup>6</sup>			\$44,421	\$89.74
	Management & Operation Labor ( 6% of gross returns)			\$18,195	\$36.76
	<b>Total</b>			<u>\$132,171</u>	<u>\$267.01</u>
<b>TOTAL FIXED COSTS</b>				<b>\$152,158</b>	<b>\$307.39</b>
<b>TOTAL CASH AND VARIABLE COSTS</b>				<b>\$200,765</b>	<b>\$405.59</b>
<b>TOTAL COSTS</b>				<b>\$332,937</b>	<b>\$672.60</b>
<b>RETURN ABOVE TOTAL CASH COSTS</b>				<b>\$283,267</b>	<b>\$572.26</b>
<b>RETURN ABOVE TOTAL COSTS</b>				<b>\$151,095</b>	<b>\$305.24</b>

**BREAKEVEN CALCULATIONS**

	<u>VARIABLE COSTS</u>	<u>TOTAL COSTS</u>
REQUIRED AVG. CALF PRICES CASH COST (cwt)	\$80.69	\$89.61
REQUIRED AVG. CALF PRICES TOTAL COSTS(cwt)	\$80.69	\$148.60