

**NORTHEAST REGION  
EX-LARGE COW/CALF BUDGET 2017**

BREED HERD SIZE 523 COW to BULL 20 CALF CROP PERCENT<sup>1</sup> 85%  
CULL RATE 15% REPLACEMENT HEIFER'S KEPT 78

**VALUE OF PRODUCTION**

	<u>QUANTITY</u>	<u>WEIGHT</u>	<u>PRICE</u> <sup>2</sup>	<u>VALUE</u>	<u>VALUE PER COW</u>	<u>NEW VALUE</u>
STEER CALVES	222	550	\$1.52	\$185,644	\$355.30	_____
HEIFER CALVES	144	515	\$1.47	\$108,779	\$208.19	_____
CULL COWS	98	1000	\$0.52	\$51,155	\$97.90	_____
CULL BULLS	1	1200	\$0.62	\$744	\$1.42	_____
FEE HUNTING	1			<u>\$12,000</u>	\$22.97	_____
<b>TOTAL</b>	<b>465</b>			<b>\$358,322</b>	<b>\$685.78</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	104.50	\$160	\$16,720	\$32.00	_____
	STATE	AUY	30.0%	\$43.32	\$6,790	\$13.00	_____
	FEDERAL LEASE	AUY	7.0%	\$20.88	\$10,910	\$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	19	\$690	\$13,159	\$25.19	_____
	PROTEIN SUPP	TON	98	\$340	\$33,309	\$63.75	_____
	OTHER		0.00	\$0	<u>\$0</u>	<u>\$0.00</u>	_____
	<b>TOTAL</b>				<b>\$80,889</b>	<b>\$154.81</b>	_____
<b>2. OTHER VARIABLE COSTS</b>					<b>COST</b>		
	VET AND MEDICINE				\$9,176	\$17.56	_____
	LIVESTOCK HAULING				\$2,673	\$5.12	_____
	HIRED LABOR				\$32,000	\$61.24	_____
	OPERATING COSTS-EQUIP & MACH				\$3,605	\$6.90	_____
	OPERATING COSTS-VEHICLE				\$12,360	\$23.66	_____
	RANCH MAINTENANCE				\$15,000	\$28.71	_____
	BEEF CHECKOFF				\$366	\$0.70	_____
	LIVESTOCK PURCHASES				<u>\$21,000</u>	<u>\$40.19</u>	_____
	<b>TOTAL</b>				<b>\$96,180</b>	<b>\$184.08</b>	_____
<b>3. INTEREST ON VARIABLE COSTS</b>							
	SUM OF VARIABLE COSTS X MONTHS BORROWED						
	X INTEREST RATE PER MONTH						
	ANNUAL INTEREST RATE				6.50%		
	NUMBER OF MONTHS BORROWED				6	<b>VALUE PER COW</b>	
					\$5,755	\$11.01	_____
	<b>TOTAL</b>				<b>\$182,823</b>	<b>\$349.90</b>	_____
	<b>TOTAL</b>				<b>\$175,499</b>	<b>\$335.88</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			\$14,775	\$28.28
	Overhead			\$5,000	\$9.57
	<b>Total</b>			<b>\$19,775</b>	<b>\$37.85</b>
<b>NON CASH COSTS</b>					
	Purchased Livestock			\$16,008	\$30.64
	Machinery & Equipment			\$14,775	\$28.28
	Housing & Improvements			\$34,724	\$66.46
	Interest on Retained Livestock <sup>6</sup>			\$33,374	\$63.87
	Management & Operation Labor ( 6% of gross returns)			<u>\$10,530</u>	<u>\$20.15</u>
	<b>Total</b>			<b>\$109,411</b>	<b>\$209.40</b>
<b>TOTAL FIXED COSTS</b>				<b>\$129,186</b>	<b>\$247.25</b>
<b>TOTAL CASH AND VARIABLE COSTS</b>				<b>\$202,599</b>	<b>\$387.75</b>
<b>TOTAL COSTS</b>				<b>\$312,010</b>	<b>\$597.15</b>
<b>RETURN ABOVE TOTAL CASH COSTS</b>				<b>\$155,723</b>	<b>\$298.04</b>
<b>RETURN ABOVE TOTAL COSTS</b>				<b>\$46,312</b>	<b>\$88.64</b>

**BREAKEVEN CALCULATIONS**

	<u>VARIABLE COSTS</u>	<u>TOTAL COSTS</u>
REQUIRED AVG. CALF PRICES CASH COST (cwt)	\$77.30	\$85.67
REQUIRED AVG. CALF PRICES TOTAL COSTS(cwt)	\$77.30	\$131.93