

**Lucas Hoff - Calf Backgrounding With Unharvested Corn Grazing (44 Days)**  
 (Transition to hay & corn and fed until sold on February 6, 2014)

**Table 1. Total Feeding and Farming Cost**

Corn Graz Days	44							
Mixed Hay	1350	9	11	20		Lbs	Cost/lb	Total
Bly Hay	1400	6	15	21		27000	0.0375	1012.5
Corn	20	48		48		29400	0.0375	1102.5
Stress Brl	250	4		4		960	0.066	63.36
						1000	0.56408	564.08
								2742.44
Farming Cost			gal/ac	ac				
Seed	8						244.8	1958.4
Fertilizer	2.78	per gal	4	30		120		333.6
			oz/ac	ac	#Appl	total oz	\$/oz	
Roundup	16	per gal	22	30	3	1980	0.125	247.5
Planting Chg	16			30				480
Spraying Chg	6			30				180
								180
								<b>Total Feeding &amp; Farming Cost</b>
								<b>5941.94</b>

**Table 2. Net Beef Gain Value Compared to Corn Grain Value**

<b>Calf Gain</b>			
Start Wt, lb	11/2/2013	101590	
End Wt, lb	12/16/2013	115676	
Days	44		
Gain, lb		14086	
No Calves	199		
An Days	8756		
ADG, lb		1.61	
Gross Value of Gain, \$	1.78	14086	\$25,073.08
Feed & Farming			\$5,941.94
Net to Corn Grazing W/ Suppl.			\$19,131.14
Net/Ac (30 Ac Field)		30	\$637.70
5-Yr Avg Farm Corn Yld Value (65bu/ac * \$3.70)	3.7	65	\$240.50
Corn Yield Breakeven/Ac vs Beef (@ \$3.70/bu)		3.7	172.4
Corn Grazing Beef/Ac Advantage vs Corn Grain			<b>\$397.20</b>
Beef Value Equivalent on bushel basis, \$			<b>\$6.11</b>
Corn Grain Equivalent Increase/bu, \$			<b>\$2.41</b>

**Table 3. Backgrounding feed cost after Corn Grazing**

Dec 16 to Feb 6					Lbs	Cost/lb	Total
<b>Hay Fed and Buckets of Corn:</b>							
Mixed Hay, lb	1350			6	8100	\$0.04	\$303.75
Bly Hay, lb	1400			6	8400	\$0.04	\$315.00
Corn, lb	20	8	160	15	2400	\$0.07	\$158.40
<b>Mixed Ration:</b>							
Corn, lbs	1500			52	78000	\$0.07	\$5,148.00
Mod DDGS, lb	1020			52	53040	\$0.05	\$2,811.12
Mixed Hay, lb	2280			52	118560	\$0.04	\$4,446.00
Dist Pro Mineral, lb	80			53	4240	\$0.30	\$1,280.48
<b>Total Cost</b>							<b>\$14,462.75</b>

**Table 4. Backgrounding Cost/Lb of Gain After Corn Grazing**

<b>Calf Gain Dec 16 to Feb 6, 2014</b>			
Start Wt, lb	12/16/2013		115676
End Wt, lb	2/6/2014		136173
Days	52		20497
Gain, lb			20497
No Calves	199		
No Calves Sold	196		
Pct Death Loss(3)	1.51		
An Days	10192		
ADG, lbs			2.01
Gross Return, \$	1.67	\$226,992.84	
Gain, lbs			20497
Feed Cost (From Table 3)		\$14,462.75	
Fd Cost/Lb Gain, \$			\$0.71