

El Toro Feeders - 150 Head (75 Trial Group - 75 Control Group)

Date In 11/11/16 Date Out 01/10/17
Total Days on Feed = 59

Breed - Holstein

	Un-Treated Water	Treated Water
Weight -		
In	288 #	288 #
59 Day Check	453 #	460 #
Gain	2.79 /hd/day	2.91 /hd/day total gain after changing water chemistry
Feed Consumption	12.21 lb./hd/day	10.68 lb./hd/day
Cost of Feed	\$ 1.46 Cost hd/day	\$ 1.28 Cost hd/day
Feed Conversion	4.37%	3.67%
Water Consumption		460# Calves
Cost of NSF Hydrogen Peroxide		\$ 0.042 hd/day @ 4.6 Gal /hd/day Assume 100 PPM
Cost of H2SO4 40%		\$ 0.008 hd/day @ 4.6 Gal /hd/day Assume pH 6.8 - 7.0
		\$ 0.050 hd/day @ 4.6 Gal /hd/day
Benefit Assumption		
Feed Cattle Pricing	\$1.49 / lb (Aug 01, 2017)	
460# Model		
NSF Hydrogen Peroxide Gain	\$ 0.172 hd/ day (based upon .116 / hd /day gain)	
Feed Savings	\$ 0.180 hd/ day (based upon 3.67 Feed Conversion equivalent to 12.5 % less feed @ \$240/Ton)	
Sub-Total	\$ 0.352 Gross Profit / hd /day	
Less Cost of Water	\$ (0.050) (4.6 Gal /hd /day)	
Total	\$ 0.302 Net Profit / hd /day	
750# Model		
NSF Hydrogen Peroxide Gain	\$ 0.172 hd/ day (based upon .116 / hd /day gain)	
Feed Savings	\$ 0.269 hd/ day (based upon 3.67 Feed Conversion equivalent to 12.5 % less feed @ \$240/Ton)	
Sub-Total	\$ 0.441 Gross Profit / hd /day	
Less Cost of Water	\$ (0.083) (7.5 Gal /hd /day)	
Total	\$ 0.358 Net Profit / hd /day	
1400# Model		
NSF Hydrogen Peroxide Gain	\$ 0.172 hd/ day (based upon .116 / hd /day gain)	
Feed Savings	\$ 0.479 hd/ day (based upon 3.67 Feed Conversion equivalent to 12.5 % less feed @ \$240/Ton)	
Sub-Total	\$ 0.651 Gross Profit / hd /day	
Less Cost of Water	\$ (0.154) (14 Gal /hd /day)	
Total	\$ 0.497 Net Profit / hd /day	