

Utah State University  
 Extension Economics  
 Dairy Manure and Waste Water Disposal Budget  
 Average Costs and Returns, Utah, 1998

	Units	Number	Price	Value per Cow	Value per Cwt of Milk	Total	Your Values
<b>Returns (manure credit):</b>							
Nitrogen	Pound	11,070	0.02	1.93	0.01	221.40	
Phosphorous	Pound	16,948	0.25	36.84	0.20	4,237.00	
Total Returns				38.77	0.21	4,458.40	
<b>Costs:</b>							
<b>Cash costs:</b>							
Fuel and Lubrication				20.67	0.11	2,377.00	
Equipment repairs				19.31	0.11	2,221.00	
Labor (hired and owner)	Hour	1,350	7.00	82.17	0.45	9,450.00	
Interest on Debt				7.83	0.04	900.00	
Total cash costs				132.21	0.72	15,204.00	
<b>Non-cash Costs:</b>							
Depreciation & Interest on Facility and Equipment				60.96	0.33	7,010.00	
Property taxes on Facilities				6.52	0.04	750.00	
Total Non-cash Costs				67.48	0.37	7,760.00	
Total Costs				199.69	1.09	22,964.00	
Net Returns				(160.92)	(0.88)	(18,505.60)	
<b>Assumptions:</b>							
Number of Holstein cows in herd		115					
Milk production per cow per year (lbs)		18,250					
Wash water (gallons per day)		750					
<b>Equipment used: Cost</b>							
John Deere 7800				\$75,000			
John Deere 5510 with loader				\$25,000			
Honey Wagon				\$15,000			
Scraper				\$2,000			
Cost of new waste facility				\$75,000			
Cost share				\$56,250			

Budget prepared by: E. Bruce Godfrey and Spencer Birch with input provided by dairymen who recently installed waste management facilities. Analysis derived using D-Waste program from Washington State University.