

ISU Extension DAIRY BUDGET			Pasture Based System			October, 2011		HERD DATA INPUT		
For: Holstein/Holstein Cross Breed Cows on Pasture						Total Herd		Milk/Cow	18,000 lbs	
Income		Price	Unit	Amount	Cwt Eq.	1 Cow	Cows Only	with Heifers	Cows in Herd	120
Milk Sales	\$21.00	cwt.	180.00	180.00	\$3,780	\$453,600	\$453,600	Weight/Cow	1,200 lbs	
Bull Calves	\$125	head	0.47	2.80	\$59	\$7,050	\$7,050	Cull Rate	27%	
Cull Cows (Factor Death Loss)	\$750	head	0.31	11.07	\$233	\$27,900	\$27,900	1st Calving	24 months	
Manure	\$3.00	ton	20.00	2.86	\$60	\$7,200	\$7,200	No. Heifers Needed	6	
Heifer Sales	\$250	head	0.47	5.60	\$118	\$14,100	\$6,000	Heifer Raising Budget		
Expenses				Totals	202.32	\$4,249	\$509,850	\$501,750	1 Heifer	for 24 months
Feed Costs (DM = Dry Matter)		Feed Wastage		10%				Feed Costs	Quantities	
Hay/Haylage - DM	\$164.71	ton	2.25	\$2.01	\$408	\$48,918	\$62,124	\$384.19	2.50 ton	
Pasture Forage - DM	\$67.00	ton	2.25	\$0.82	\$166	\$19,899	\$23,699	\$110.55	1.50 ton	
Corn Silage - DM	\$198.79	ton	2.25	\$2.43	\$492	\$59,040	\$66,556	\$218.67	1.00 ton	
Corn Equivalent - US No. 2	\$6.00	bu	60.0	\$1.96	\$396	\$47,520	\$53,418	\$171.60	26.00 bu.	
By Product Feed	\$0.12	lb.	1500.0	\$0.98	\$198	\$23,760	\$23,760			
Protein Supplement	\$0.12	lb.	0.0	\$0.00	\$0	\$0	\$2,269	\$66.00	500.00 lb.	
Salt and Minerals	\$0.14	lb.	261.0	\$0.20	\$40	\$4,823	\$5,088	\$7.70	50.00 lb.	
Fat Supplement	\$0.35	lb.	0.0	\$0.00	\$0	\$0	\$0	\$0.00	0.00 lb.	
Milk Replacer/Calf Feed	\$0.18	lb.	0.0	\$0.00	\$0	\$0	\$1,361	\$39.60	200.00 lb.	
Total Feed Costs =				\$8.40	\$1,700	\$203,960	\$238,275	\$998	6.55 tons/heifer	
Livestock Costs								Livestock Costs		
Dairy Supplies	\$135.00	head	1.00	\$0.67	\$135	\$16,200	\$16,544	\$10.00	head	
Freight/Trucking/Hauling	\$0.29	cwt	180.00	\$0.26	\$52	\$6,264	\$6,436	\$5.00	head	
Veterinary & Medicine	\$0.65	cwt.	180.00	\$0.58	\$117	\$14,040	\$15,415	\$40.00	head	
Breeding Fees	\$48.00	head	1.00	\$0.24	\$48	\$5,760	\$6,963	\$35.00	head	
DHIA/Accounting/Legal	\$29.00	head	1.00	\$0.14	\$29	\$3,480	\$3,480	\$0.00	head	
Marketing	\$0.30	cwt	180.00	\$0.27	\$54	\$6,480	\$6,514	\$1.00	head	
Bedding Costs	\$90.00	ton	0.33	\$0.15	\$30	\$3,564	\$5,111	\$45.00	0.5 ton	
Gas/Fuel/Oil	\$3.60	gallons	12.00	\$0.21	\$43	\$5,184	\$6,298	\$32.40	9 gallons	
Electricity	\$0.10	KWHr	540.00	\$0.27	\$54	\$6,480	\$7,082	\$17.50	175 KWHr	
Other (oper. interest, phone)	\$90.00	head	1.00	\$0.44	\$90	\$10,800	\$11,144	\$10.00	head	
Facilities & Equipment Costs		Use a % of value for Depreciation, Interest, Repairs, Taxes & Insurance						Facilities & Equipment Costs		
Milking Center/Parlor	\$800	head	12.0%	\$0.47	\$96	\$11,520	\$11,520			
Dairy Housing	\$1,600	head	10.0%	\$0.79	\$160	\$19,200	\$19,200		Cost/Head/Day	
Manure Storage/Handling	\$600	head	10.0%	\$0.30	\$60	\$7,200	\$8,809	\$46.80	\$0.07 head	
Heifer Housing							\$5,321	\$154.80	\$0.22 head	
Machinery and Equipment	\$1,500	head	18.0%	\$1.33	\$270	\$32,400	\$32,895	\$14.40	\$0.02 head	
Investment/Cow	\$4,500	Use a % of value for Interest and Insurance								
Cow Ownership Costs	\$1,350	cow	6.50%	\$0.43	\$88	\$10,530	\$12,536	\$120.25	Ownership Cost	
Heifer Replacement Costs	\$1,600	/heifer		\$2.14	\$432	\$51,840		\$250.00	Initial Value	
Labor and Mgt Costs	\$12.00	hour	42	\$2.49	\$504	\$60,480	\$69,555	\$264.00	22 hrs/h	
Total Expenses:				\$19.58	\$3,962	\$475,382	\$545,656	\$2,044	Total	\$2
Net Returns After All Cost including Labor and Assets =				\$1.42	\$287	\$34,468	\$34,564	\$2,044	Adjusted	Cost/