

Dave Barbano Impact if the use of data from DHI testing could increase milk volume by 1% or increase milk protein by 0.02 or 0.04%

NALMA Meeting - September 2007

1000 Cow Dairy

pounds		lbs milk		Gross Rev	Milk			increased	impact		price per	impact of	
milk/da	cows	cwts	/cwt	per day	365 Days	Cost of	milk volume	1%	protein		increase over one year	0.02%	0.04%
				\$/Day	\$/year	Production	Net	impact/year	1% lbs/day	\$/lb			
80	1000	800	12	80000	9600	\$3,504,000	????????	????????	\$35,040.00	0.8	\$2.00	\$11,680.00	\$23,360.00
80	1000	800	15	80000	12000	\$4,380,000	????????	????????	\$43,800.00	0.8	\$2.50	\$14,600.00	\$29,200.00
80	1000	800	18	80000	14400	\$5,256,000	????????	????????	\$52,560.00	0.8	\$3.50	\$20,440.00	\$40,880.00
80	1000	800	21	80000	16800	\$6,132,000	????????	????????	\$61,320.00	0.8	\$4.00	\$23,360.00	\$46,720.00

5000 Cow Dairy

milk/da		cows		lbs milk		Gross Rev	Gross Revenue			impact	impact		impact of 0.02%	
				per day	\$/Day	365 Days	Cost of	Production	Net	1%	1% lbs/day		increase	0.02%
						\$/year								
80	5000	4000	12	400000	48000	\$17,520,000	????????	????????	\$175,200.00	0.8	2.00	\$58,400.00	\$116,800.00	
80	5000	4000	15	400000	60000	\$21,900,000	????????	????????	\$219,000.00	0.8	2.50	\$73,000.00	\$146,000.00	
80	5000	4000	18	400000	72000	\$26,280,000	????????	????????	\$262,800.00	0.8	3.50	\$102,200.00	\$204,400.00	
80	5000	4000	21	400000	84000	\$30,660,000	????????	????????	\$306,600.00	0.8	4.00	\$116,800.00	\$233,600.00	

individual cow productivity
individual cow culling decision

component testing information could be used to better manage dairy rations to increase productivity
component testing information on individual cows could improve decision making in culling