



# DAIRY PROOF POSITIVE



## Dairy Performance Proof

Hinz Farm LLC - Pickett, WI

Milk Efficiency shows this dairy making more milk from less feed. And, using \$5.00/bu.corn, we showed a significant Return On Investment from using a QLF liquid supplement.

### Diets as Balanced

Nutrient	Before Dairy Balancer 11 10/27/10	After Dairy Balancer 11 11/5/10
Crude Protein (CP), % of DM	16.9	17.1
Metabolizable Protein (MP), % of DM	11.9	11.9
Rumen-Degradable Protein (RDP), % of CP	59.2	59.2
Rumen-Undegradable Protein (RUP), % of CP	40.9	40.8
Non-Fiber Carbohydrate (NFC)	40.4	38.9
Net Energy Lactation (NE <sub>L</sub> ), Mcal/lb	0.78	0.77
Sugar	2.7	4.3
Supplemental Sugar, lb/d	0.0	0.66
Starch	27.6	25.1
Total Starch & Sugar	30.3	29.4
Forage Dry Matter % (~50:50 Hlg:CS)	52.3	52.6
Formulated Dry Matter Intake, lb/d	45.0	44.8

#### Before and After Diet Changes

- Removed 2.24 lbs. of HMSC
- Added 3.00 lbs. of Dairy Balancer 11
- For additional 7 cents per cow per day calculated at \$5.00 per bushel corn

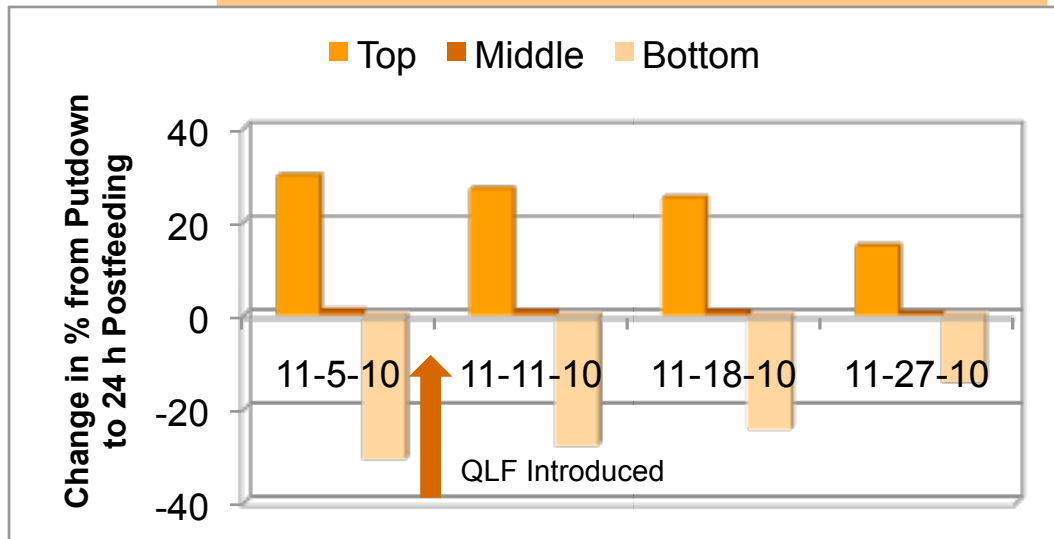
## Dairy Balancer 11 Performance Results November 2010 Pricing

Item	Before Dairy Balancer 11 11/2 & 11/4 Average	After Dairy Balancer 11 11/16, 11/18, & 11/20 Average	Difference
Milk, lb/hd	69.65	70.45	
Butterfat % (BF)	3.73	3.79	
BF Income, \$/day (using \$2.24/lb)	\$5.82	\$5.98	
Protein %	2.96	2.99	
Protein Income, \$/day (using \$2.29/lb)	\$4.72	\$4.82	
Total Income, \$/day	\$10.54	\$10.80	\$0.26
DM Intake, lb/d <sup>*A</sup>	45.37	42.07	
Feed Cost Savings (\$0.105/lb DM)	N/A	\$0.35/cow/day	
Total Cost Benefit (Milk Income + Feed Savings)	N/A	+\$0.61	
Return on Investment (\$0.07) <sup>*B</sup>	N/A	9:1	
Milk Efficiency (lb ECM/lb DMI)	1.55	1.71	

\*A - Actual dry matter intake as measured in high and low groups

\*B - Added Liquid Feed investment at \$5/bu corn

### High Group Cows Sorting Behavior



#### Put-down Particle Distribution

	11/5	11/27
Top	14.5	17.1
Middle	37.3	37.4
Bottom	48.2	45.5

Similar initial particle distribution

- Pre-QLF: Cows are leaving long particles in the bunk (+30 Units Top Screen), preferentially eating short particles (-30 units bottom pan).
- Sorting behavior is changed over several weeks. Cows don't correct sorting behavior "overnight".
- By 11/27, preferential consumption of short particles is reduced.