

Feed Management Practices at Pond Hill Dairy, LLC

Keith Moritz, Owner Fort Atkinson, WI

Outline

- Farm Overview
- Ingredient Management
- Ration Management
- Bunk Management



Pond Hill Dairy

- 1996 85 milking cows
- 2000 450 milking cows
- 2001 Expanded to 750 milking
- 2004 Partnered with Rick Faber (VT '95, DVM)

on High Index

 2012 – Partner with PHD R&D on controlled dairy research facility



Jan 2012 Herd Statistics • 93 lbs Milk • 3.71% Fat • 3.11% Protein • 171 Days in Milk • 20 months at first calving • 135,000 SCC • 12 full-time employees (1 cow feeder) Feed Storage • Ag-Bags - corn silage, alfalfa, straw, ethanol co-products, high moisture shell corn • Upright Bulk Bins - large inclusion ingredients and mixes • Tanks for liquid feeds Ag-Bag Feed Storage • Corn Silage – Inventory Segregation • Alfalfa Silage – Inventory Segregation • Wheat Straw – Storage Cost, Uniformity of Chop, Shrink

Chopped Wheat Straw



Cow Groups

- Far-off
- Close-up Heifers
- Close-up Mature Cows
- Fresh Heifers
- Fresh Mature Cows
- High Heifers
- High Mature Cows
- Mid Cows

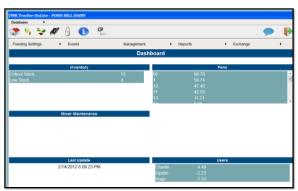
Ingredients

- Ground Corn
- Ground Wheat
- Animal Protein
- Soybean Meal
- Heifer Protein
- High Protein Mix
- Mid Protein Mix

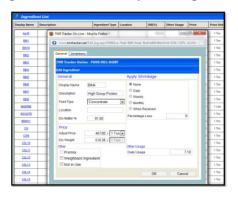


Ingredient Mixes • Close-up Mature Cows (8 lb/c/d) • Fresh Cows (20 lb/c/d) • High Cows (7 lb/c/d) • Mid Cows (6 lb/c/d) • On-farm Super Mix • Why So Many Mixes? - Mix Philosophy **Feeding Equipment** • 620 cu/ft Truck Mounted Roto-Mix Reel • 900 cu/ft Trailer Roto-Mix Reel • Caterpillar 924 Wheel Loader TMR Tracker (Digi-Star, Inc) Inventory Management Ration Management - Rations Fed Load and Delivery Reports Feed Cost Per Head TMRTracker.NET - Manage Rations online - Daily email of reports - DMI by Pen, Milk by Pen

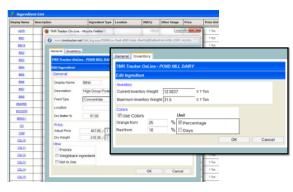
TMR Tracker Online Home Screen



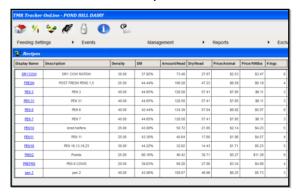
Ingredient Inventory Management



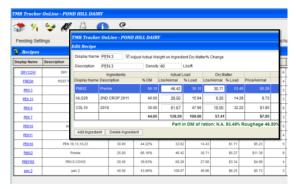
Ingredient Management



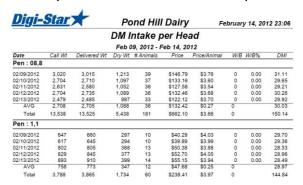
Recipes



Recipes



Daily Emailed - Customizable Report



Far-off Dry Cow Load Report

Digi-Star 🖈			Pond Hill Dairy				February 15, 2012 10:53				
					Loa	d R	eport				
				F	eb 08,	2012 -	Feb 15,	2012			
Load: DRY	cow									Fel	b 08, 2012
		Call V	٧t	Loade	ed Wt	Dev	iation		Price		
Ingredient	Time	Actual	Dry	Actual	Dry		%	Planned	Actual	Error	Name
BIN5	13:11	14	13	20	18	6	42.9%	\$7.00	\$10.00	\$3.00	Elpidio
STRAW2	13:14	257	226	260	229	3	1.2%	\$7.00	\$7.00	\$0.00	Elpidio
WBG	13:17	246	59	245	59	-1	0.4%	\$4.00	\$4.00	\$0.00	Elpidio
HLG26	13:18	1269	558	1275	561	6	0.5%	\$44.00	\$45.00	\$1.00	Elpidio
CSL9	15:26	1817	509	1815	508	-2	0.1%	\$55.00	\$54.00	\$-1.00	Elpidio
DRYMIN	15:26	6	6	5	5	-1	16.7%	\$8.00	\$6.00	\$-2.00	Elpidio
Total		3609	1371	3620	1380	11	10.3%	\$125.00	\$126.00	\$1.00	
Delivery: DRYCOW_		Call Wt		Delivered Wt		Deviation		Price			
Pen	Time						%	Planned	Actual	Error	Name
9	15:56	3609		3175		-434	12.0%	\$124.64	\$110.59	\$-14.05	Elpidio
Total		3609		3175		-434	12.0%	\$124.64	\$110.59	\$-14.05	

Super Mix Concept

<u>Digi-</u>	Sta	r		F	ond	Hill	Dairy	,	Februa	ry 15, 20	012 10:53
					Loa	d Re	port				
				F	eb 08,	2012 -	Feb 15,	2012			
Load: PMIX	(2									Feb	b 08, 2012
		Call	Wt	Load	ed Wt	Devi	ation		Price		
Ingredient	Time	Actual	Dry	Actual	Dry		%	Planned	Actual	Error	Name
HLG26	07:45	2218	976	2250	990	32	1.4%	\$78.00	\$79.00	\$1.00	Elpidio
WBG	07:49	4066	976	4070	977	4	0.1%	\$65.00	\$65.00	\$0.00	Elpidio
EB-100	07:56	444	391	450	396	6	1.4%	\$342.00	\$347.00	\$5.00	Elpidio
HG MIX	08:12	3685	3372	3680	3367	-5	0.1%	\$860.00	\$859.00	\$-1.00	Elpidio
CORN	08:18	4166	3562	4145	3544	-21	0.5%	\$500.00	\$497.00	\$-3.00	Elpidio
PRO-LAK	08:18	163	147	175	158	12	7.4%	\$79.00	\$85.00	\$6.00	Elpidio
SB HULL	08:22	1823	1659	1825	1661	2	0.1%	\$202.00	\$203.00	\$1.00	Elpidio
WHEAT	08:23	1868	1708	1890	1729	22	1.2%	\$207.00	\$210.00	\$3.00	Elpidio
Syrup	8:39	2568	976	2795	1062	227	8.8%	\$66.00	\$72.00	\$6.00	Elpidio
PMIX2	08:56	6131	4019	6125	4015	-6	0.1%	\$700.00	\$700.00	\$0.00	Elpidio
HLG26	09:02	2916	1283	2935	1291	19	0.7%	\$102.00	\$103.00	\$1.00	Elpidio
CSL9	09:07	10820	3030	10835	3034	15	0.1%	\$325.00	\$325.00	\$0.00	Elpidio
Total		40868	22097	41175	22223	307	1.8%	\$3526.00	\$3545.00	\$19.00	

High Cow Load Report



Use Feed Bunks vs Feed Apron



Why Feed Bunks?

- Slick bunks much easier to manage with an actual bunk rather than an open surface
- Not economical to feed \$0.12/ DM lb ration (refusals) to heifers
- Increases bunk space in some pens, cows can eat from both sides
- Capital and labor of pushing feed up to cows





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Importance of Feed Delivery Time

<u>Digi-Star</u>			Pond	Hill Dairy	Februa	February 15, 2012 13:14		
		D	MI Load	/Delivery 1	ime			
			Feb 08,	2012 - Feb 15, 2	012			
Pen	Date	# Animals	DMI	Cost	1st Mixing Time	1st Delivery		
3	02/08/2012	129	59.44	8.09	11:24	12:05		
3	02/09/2012	129	61.62	8.08	11:18	12:01		
3	02/10/2012	135	59.51	7.88	10:33	10:58		
3	02/11/2012	135	59.21	7.85	10:59	11:19		
3	02/12/2012	135	58.73	7.89	08:12	08:25		
3	02/13/2012	135	59.32	7.98	10:49	11:10		
	Augrago	122	E0 64	7.06	10:22	10:50		

