PennState Extension

Lactating Cow Ration Summary

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Lactating Cow Ration Summary

Ration Entered: Per Head

Month: December

	Market $/Ton As Fed	Cost $/Ton As Fed	Group 1 High	Group 2 Mid	Group 3 Low	Group 4 Fresh	Total Cows	Market Value $/Lb. As-Fed	Market Value	Market Value Category Subtotal	Market Value Cost/Cow /Day	Cost Value $/Lb. As-Fed	Cost Value	Cost Value Category Subtotal	Cost Value Cost/Cow /Day
Number of Animals			65	60	50	20	195								
Forages (Home-Raised)															
Corn sil avg analysis	$57.20	$35.00	45.00	45.00	45.00	45.00	8,775	$0.029	$1.29			$0.018	$0.79		
Leg sil avg analysis	$118.00	$90.00	15.00	15.00	15.00	15.00	2,925	$0.059	$0.89			$0.045	$0.68		
MML hay avg analysis	$212.00	$150.00	1.00	1.00	1.00	1.00	195	$0.106	$0.11			$0.075	$0.08		
Grass hay avg analysis	$208.00	$120.00	2.00	2.00	2.00	2.00	390	$0.104	$0.21			$0.060	$0.12		
MMG hay avg analysis	$208.00	$135.00	3.00	3.00	3.00	3.00	585	$0.104	$0.31			$0.068	$0.20		
MMG sil avg analysis	$92.44	$75.00	5.00	5.00	5.00	5.00	975	$0.046	$0.23			$0.038	$0.19		
SM grn sil boot	$44.76	$35.00	7.00	7.00	7.00	7.00	1,365	$0.022	$0.16			$0.018	$0.12		
Grass sil avg analysis	$90.13	$60.00	6.00	6.00	6.00	6.00	1,170	$0.045	$0.27			$0.030	$0.18		
Sor-Sud sil avg	$70.67	$45.00	4.50	4.50	4.50	4.50	878	$0.035	$0.16			$0.023	$0.10		
Leg hay avg analysis	$236.00	$175.00	3.50	3.50	3.50	3.50	683	$0.118	$0.41	$785.49	$4.03	$0.088	$0.31	$537.71	$2.76
Forage Substitutes (Home-Raised)															
Cttn seed hulls	$320.00	$236.00	1.00	1.00	1.00	1.00	195	$0.160	$0.16			$0.118	$0.12		
Alf dehy pellets, 17%	$387.60	$236.00	1.50	1.50	1.50	1.50	293	$0.194	$0.29	$87.89	$0.45	$0.118	$0.18	$57.53	$0.30
Concentrates (Home-Raised)															
Bakery Product	$125.84	$115.00	2.00	2.00	2.00	2.00	390	$0.063	$0.13			$0.058	$0.12		
Corn, shelled	$144.79	$125.00	5.00	5.00	5.00	5.00	975	$0.072	$0.36			$0.063	$0.31		
Molasses, LIQ	$179.60	$150.00	1.00	1.00	1.00	1.00	195	$0.090	$0.09			$0.075	$0.08		
Canola meal	$302.36	$285.00	2.50	2.50	2.50	2.50	488	$0.151	$0.38	$186.34	$0.96	$0.143	$0.36	$167.46	$0.86
Purchased Forages, Forage Substitutes or Concentrates															
Milk cow concentrate	$278.00	$278.00	7.50	7.50	7.50	7.50	1,463	$0.139	$1.04			$0.139	$1.04		
Brewer's grain	$55.00	$55.00	1.00	1.00	1.00	1.00	195	$0.028	$0.03			$0.028	$0.03		
Amino Plus	$650.00	$650.00	0.50	0.50	0.50	0.50	98	$0.325	$0.16			$0.325	$0.16		
Soybean meal	$350.00	$350.00	2.50	2.50	2.50	2.50	488	$0.175	$0.44			$0.175	$0.44		
Rumensin	$1,200.00	$1,200.00	0.05	0.05	0.05	0.05	10	$0.600	$0.03			$0.600	$0.03		
Cow Mineral	$1,050.00	$1,050.00	0.32	0.32	0.32	0.32	62	$0.525	$0.17			$0.525	$0.17		
Linseed oil	$450.00	$450.00	0.10	0.10	0.10	0.10	20	$0.225	$0.02			$0.225	$0.02		
Soyplus	$550.00	$550.00	0.50	0.50	0.50	0.50	98	$0.275	$0.14			$0.275	$0.14		
Dicalcium phosphate	$850.00	$850.00	1.00	1.00	1.00	1.00	195	$0.425	$0.43			$0.425	$0.43		
Fermenten	$1,250.00	$1,250.00	1.50	1.50	1.50	1.50	293	$0.625	$0.94			$0.625	$0.94		
Limestone	$1,450.00	$1,450.00	2.50	2.50	2.50	2.50	488	$0.725	$1.81			$0.725	$1.81		
Feather meal	$560.00	$560.00	1.25	1.25	1.25	1.25	244	$0.280	$0.35			$0.280	$0.35		
Fish meal	$450.00	$450.00	1.15	1.15	1.15	1.15	224	$0.225	$0.26			$0.225	$0.26		
Donuts	$850.00	$850.00	0.50	0.50	0.50	0.50	98	$0.425	$0.21	$1,174.73	$6.02	$0.425	$0.21	$1,174.73	$6.02
Lbs As-Fed per Cow			**125.4**	**125.4**	**125.4**	**125.4**	**24,447**		**$11.46**	**$2,234.44**	**$11.46**		**$9.94**	**$1,937.42**	**$9.94**

Whole Farm IOFC	Market	Cost
Feed Cost/Cow/Day	$11.46	$9.94
Milk Lbs Shipped	5,459,123	5,459,123
Number of Days in Shipment	365	365
Daily Milk Sold	14,957	14,957
Lbs Milk/Cow/Day	76.7	76.7
Gross Milk Price per CWT.	$15.00	$15.00
Milk Income per Cow/Day	$11.51	$11.51
Income Over Feed Cost - Current	$0.05	$1.57

Whole Farm IOFC	Market	Cost
Income Over Feed Cost - Breakeven	$6.75	$6.75
IOFC Compared to Breakeven	($6.70)	($5.18)
Benchmark Range (60% of milk income)	$4.60	$4.60
Benchmark Range (40% of milk income)	$6.90	$6.90

Historical IOFC Compared to Benchmarks:

Month, Day, Year	Gross Milk Price/cwt	Milk income/cow	Market cost/cow	Farm cost/cow	Market IOFC	Farm IOFC	Average milk lbs	Benchmark Range Low	Benchmark Range High	Farm Breakeven	IOFC Deficit/Surplus Market IOFC vs. Breakeven	IOFC Deficit/Surplus Farm IOFC vs. Breakeven
MM/DD/YYYY	$19.00	$14.25	$ 6.00	$ 5.65	$8.25	$8.60	75.0	$ 5.70	$ 8.55	$ 7.82	$ 0.43	$ 0.78
12/01/2015	$15.00	$11.51	$11.46	$9.94	$0.05	$1.57	76.7	$4.60	$6.90	$6.75	($6.71)	($5.19)
	$15.00	$11.70	$10.46	$4.25	$1.24	$7.45	78.0	$4.68	$7.02	$6.75	($5.51)	$0.70
	$15.00	$11.55	$9.46	$9.46	$2.09	$2.09	77.0	$4.62	$6.93	$6.75	($4.66)	($4.66)
	$15.00	$11.40	$8.46	$8.46	$2.94	$2.94	76.0	$4.56	$6.84	$6.75	($3.81)	($3.81)
	$15.00	$11.25	$7.46	$7.46	$3.79	$3.79	75.0	$4.50	$6.75	$6.75	($2.11)	($2.96)
	$15.00	$11.10	$6.46	$6.46	$4.64	$4.64	74.0	$4.44	$6.66	$6.75	($2.11)	($2.11)
	$15.00	$10.95	$5.46	$5.46	$5.49	$5.49	73.0	$4.38	$6.57	$6.75	($1.26)	($1.26)
	$15.00	$10.80	$4.46	$4.46	$6.34	$6.34	72.0	$4.32	$6.48	$6.75	($0.41)	($0.41)
	$15.00	$10.65	$3.46	$3.46	$7.19	$7.19	71.0	$4.26	$6.39	$6.75	$0.44	$0.44
	$15.00	$10.50	$2.46	$2.46	$8.04	$8.04	70.0	$4.20	$6.30	$6.75	$1.29	$1.29
	$15.00	$10.80	$1.00	$1.00	$9.80	$9.80	72.0	$4.32	$6.48	$6.75	$3.05	$3.05
	$15.00	$10.95	$8.50	$8.50	$2.45	$2.45	73.0	$4.38	$6.57	$6.75	($4.30)	($4.30)
	$15.00	$11.10	$10.00	$10.00	$1.10	$1.10	74.0	$4.44	$6.66	$6.75	($5.65)	($5.65)
	$15.00	$11.25	$9.00	$9.00	$2.25	$2.25	75.0	$4.50	$6.75	$6.75	($4.50)	($4.50)
	$15.00	$11.40	$8.00	$8.00	$3.40	$3.40	76.0	$4.56	$6.84	$6.75	($3.35)	($3.35)
	$15.00	$11.55	$7.00	$7.00	$4.55	$4.55	77.0	$4.62	$6.93	$6.75	($2.20)	($2.20)
	$15.00	$11.70	$6.00	$6.00	$5.70	$5.70	78.0	$4.68	$7.02	$6.75	($1.05)	($1.05)
	$15.00	$12.00	$5.00	$5.00	$7.00	$7.00	80.0	$4.80	$7.20	$6.75	$0.25	$0.25
	$15.00	$12.15	$4.00	$4.00	$8.15	$8.15	81.0	$4.86	$7.29	$6.75	$1.40	$1.40
	$15.00	$12.30	$3.00	$3.00	$9.30	$9.30	82.0	$4.92	$7.38	$6.75	$2.55	$2.55
	$15.00	$12.00	$2.00	$2.00	$10.00	$10.00	80.0	$4.80	$7.20	$6.75	$3.25	$3.25
	$15.00	$11.85	$1.00	$1.00	$10.85	$10.85	79.0	$4.74	$7.11	$6.75	$4.10	$4.10
	$15.00	$11.70	$5.50	$5.50	$6.20	$6.20	78.0	$4.68	$7.02	$6.75	($0.55)	($0.55)
	$15.00	$11.55	$5.40	$5.40	$6.15	$6.15	77.0	$4.62	$6.93	$6.75	($0.60)	($0.60)
	$15.00	$11.40	$5.30	$5.30	$6.10	$6.10	76.0	$4.56	$6.84	$6.75	($0.65)	($0.65)
	$15.00	$11.25	$5.20	$5.20	$6.05	$6.05	75.0	$4.50	$6.75	$6.75	($0.70)	($0.70)
	$15.00	$11.10	$5.10	$5.10	$6.00	$6.00	74.0	$4.44	$6.66	$6.75	($0.75)	($0.75)
	$15.00	$10.95	$5.00	$5.00	$5.95	$5.95	73.0	$4.38	$6.57	$6.75	($0.80)	($0.80)
	$15.00	$11.10	$5.25	$5.25	$5.85	$5.85	74.0	$4.44	$6.66	$6.75	($0.90)	($0.90)
	$15.00	$11.25	$5.35	$5.35	$5.90	$5.90	75.0	$4.50	$6.75	$6.75	($0.85)	($0.85)
	$15.00	$11.40	$5.45	$5.45	$5.95	$5.95	76.0	$4.56	$6.84	$6.75	($0.80)	($0.80)
	$15.00	$11.55	$5.55	$5.55	$6.00	$6.00	77.0	$4.62	$6.93	$6.75	($0.75)	($0.75)
	$15.00	$11.70	$5.65	$5.65	$6.05	$6.05	78.0	$4.68	$7.02	$6.75	($0.70)	($0.70)
	$15.00	$11.85	$5.75	$5.75	$6.10	$6.10	79.0	$4.74	$7.11	$6.75	($0.65)	($0.65)
	$15.00	$12.00	$5.85	$5.85	$6.15	$6.15	80.0	$4.80	$7.20	$6.75	($0.60)	($0.60)
	$15.00	$12.15	$5.95	$5.95	$6.20	$6.20	81.0	$4.86	$7.29	$6.75	($0.55)	($0.55)