Dairy Farm Operating Trends

June 30, 2017





To Our Valued Clients and Other Friends in the Dairy Industry

The following pages contain the Frazer, LLP's Dairy Farm Operating Trends for the six months ended June 30, 2017.

The data is compiled from dairy operations in Southern California, the San Joaquin Valley, Kern County, Arizona, Idaho, New Mexico, the Texas Panhandle, and the Pacific Northwest, which consists of Washington and Oregon operating collectively, with a combined milk production of over 2.4 billion pounds and more than 208,000 head of mature cows for the six months ended June 30, 2017.

This report includes a comparison of the results in the regions listed above for the six months ended June 30, 2017, both on a "per hundredweight of milk" basis and on a "per head" basis. Also included are selected financial ratios and other statistical analysis for the year.

This publication is designed as a reference tool and a management aid for dairy farm managers and advisors. Frazer, LLP believes the information to be reliable, but is not responsible for errors in reported source information.

Our publication continues to be recognized as the top industry source for relevant dairy statistics. This report is provided to and widely utilized by dairy farmers, lending institutions, universities, colleges and other agribusiness industries.

We appreciate all of your past and present support and thank you for your continued reliance on Frazer, LLP. If you have any comments or questions, please contact our Agribusiness partners, Ralph Lizardo, Tim Gulling or Sharon A. Davis at our Brea office at (714) 990-1040 and Angela Blaylock, David Bekedam, Mike Edwards or Bob Matlick at our Visalia office at (559) 732-4135.

For more information regarding our firm, our Agribusiness department and our publication, please visit our website at <u>www.frazerllp.com</u>.

Sincerely, rozer LLP

FRAZER, LLP Certified Public Accountants and Consultants

September 2017

DAIRY FARM OPERATING TRENDS

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Comparison by Area on a Per Hundredweig
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COMPARISON BY AREA FOR THE SIX MONTHS ENDED JUNE 30, 2017 (BASED ON AVERAGE AMOUNTS PER HEAD)

		Southern California	Sa	in Joaquin Valley		Kern County			Arizona		Idaho		New Mexico	Р	anhandle		Pacific Northwest	Your June 30, 2017 Amounts
Income:																		
Milk sales	\$	1,945	\$	1,996	\$	1,926		\$	2,117	\$	2,000	\$	1,784	\$	1,938	\$	2,015	\$
Calves and other	-	20		69		25			63		18		34		28		11	
Total income	\$	1,965	\$	2,065	\$	1,951		\$	2,180	\$	2,018	\$	1,818	\$	1,966	\$	2,026	\$
Cost of operations: Feed:	ŕ	707	¢	760	¢	660		¢	765	¢		¢	<u> </u>	¢	545	¢	050	¢
Grain Hay and forages	\$	707 305	\$	760 267	\$	662 339		\$	755 395	\$	668 287	\$	682 262	\$	515 292	\$	656 291	\$
	-	505		207					393		207		202		292		231	
Total feed	\$	1,012	\$	1,027	\$	1,001	_	\$	1,150	\$	955	\$	944	\$	807	\$	947	\$
Labor, (including fringe costs)	\$	263	\$	211	\$	158		\$	237	\$	227	\$	209	\$	212	\$	254	\$
Herd replacement costs	\$	296	\$	190	\$	139		\$	190	\$	192	\$	136	\$	164	\$	177	\$
Other costs:																		
Milk hauling	\$	42	\$	38	\$	39		\$	59	\$	39	\$	77	\$	71	\$	58	\$
State and association charges		22		23		22			32		24		53		30		33	
Veterinary, breeding, testing, etc.		75		57		37			58		62		35		67		70	
Supplies		53		71		48			85		80		81		77		58	
Repairs and maintenance		96		65		64			71		98		90		76		85	
Utilities		22 31		29 77		32			37 70		22 45		27 41		18 57		17 88	
Occupancy costs Depreciation - equipment		17		42		44 28			70 34		45 46		33		57 42		29	
Interest		40		55		36			67		40 50		46		36		37	
Miscellaneous		67		78		61			110		81		28		70		78	
Total other costs	\$	465	\$	535	\$	411		\$	623	\$	547	\$	511	\$	544	\$	553	\$
Total cost of operations	\$	2,036	\$	1,963	\$	1,709	_	\$	2,200	\$	1,921	\$	1,800	\$	1,727	\$	1,931	\$
Net income (loss)	\$	(71)	\$	102	\$	242		\$	(20)	\$	97	\$	18	\$	239	\$	95	\$

COMPARISON BY AREA FOR THE SIX MONTHS ENDED JUNE 30, 2017 (BASED ON PER HUNDREDWEIGHT OF MILK BASIS)

	Southern Salifornia	S	San Joaquin Valley	Kern County		Arizona	ldaho	New Mexico	F	Panhandle	Pacific Northwest	Your June 30, 2017 Amounts
Income:												
Milk sales	\$ 17.31	\$	16.34	\$ 16.67	\$	17.07	\$ 16.75	\$ 16.20	\$	17.74	\$ 19.38	\$
Calves and other	 0.19		0.57	0.21		0.51	0.16	0.30		0.24	0.09	
Total income	\$ 17.50	\$	16.91	\$ 16.88	 \$	17.58	\$ 16.91	\$ 16.50	\$	17.98	\$ 19.47	\$
Cost of operations: Feed: Grain Hay and forages	\$ 6.29 2.71	\$	6.26 2.21	\$ 5.73 2.94	\$	6.09 3.19	\$ 5.60 2.40	\$ 6.20 2.38	\$	4.71 2.68	\$ 6.31 2.80	\$
	 2.11		<u> </u>	2.04		0.10	2.40	2.00		2.00	2.00	
Total feed	\$ 9.00	\$	8.47	\$ 8.67	 \$	9.28	\$ 8.00	\$ 8.58	\$	7.39	\$ 9.11	\$
Labor, (including fringe costs)	\$ 2.34	\$	1.74	\$ 1.36	 \$	1.91	\$ 1.90	\$ 1.90	\$	1.93	\$ 2.44	\$
Herd replacement costs	\$ 2.63	\$	1.56	\$ 1.21	 \$	1.53	\$ 1.61	\$ 1.24	\$	1.50	\$ 1.70	\$
Other costs: Milk hauling	\$ 0.37	\$	0.31	\$ 0.34	\$	0.48	\$ 0.32	\$ 0.70	\$	0.65	\$ 0.56	\$
State and association charges	0.19		0.19	0.19		0.26	0.20	0.48		0.28	0.32	
Veterinary, breeding, testing, etc.	0.67		0.47	0.32		0.47	0.52	0.31		0.62	0.67	
Supplies	0.47		0.59	0.42		0.69	0.67	0.74		0.70	0.56	
Repairs and maintenance	0.85		0.53	0.56		0.57	0.83	0.82		0.70	0.82	
Utilities	0.20		0.24	0.28		0.30	0.19	0.24		0.17	0.17	
Occupancy costs	0.27		0.64	0.38		0.56	0.37	0.37		0.52	0.85	
Depreciation - equipment	0.15		0.34	0.25		0.27	0.38	0.30		0.38	0.28	
Interest Miscellaneous	0.35 0.61		0.45 0.60	0.31 0.53		0.54 0.87	0.42 0.69	0.42 0.25		0.33 0.64	0.35 0.75	
	 0.01		0.00	0.00		0.07	0.09	0.20		0.04	0.75	
Total other costs	\$ 4.13	\$	4.36	\$ 3.58	 \$	5.01	\$ 4.59	\$ 4.63	\$	4.99	\$ 5.33	\$
Total cost of operations	\$ 18.10	\$	16.13	\$ 14.82	 \$	17.73	\$ 16.10	\$ 16.35	\$	15.81	\$ 18.58	\$
Net income (loss)	\$ (0.60)	\$	0.78	\$ 2.06	 \$	(0.15)	\$ 0.81	\$ 0.15	\$	2.17	\$ 0.89	\$

SUMMARY OF FINANCIAL STATISTICS

COMPARISON BY AREA FOR THE SIX MONTHS ENDED JUNE 30, 2017

	Southern California		n Joaquin Valley	(Kern County	_	Arizona	ldal	10		ew exico
1 Current Ratio	0.36 : 1		1.11 : 1		1.52 : 1	_	0.61:1	1.0	D:1	1.	17 : 1
2 Herd Line Debt Per Cow	\$ 859	\$	792	\$	473	_	\$ 1,091	\$	528	\$	320
3 Total Debt Per Cow	\$ 2,085	\$	2,646	\$	1,853	_	\$ 3,122	2 \$ 2	654	\$	1,875
4 Debt to Equity Ratio	0.81 : 1		1.16 : 1		0.54 : 1	_	2.10 : 1	0.9	9:1	0.	72 : 1
5 Return on Total Assets	-1.1%		1.4%		3.2%	_	-0.3%	6	1.3%		0.3%
6 Income (loss) per milking cow per month	\$ (13.43)	\$	19.50	\$	48.83	-	\$ (3.27	') \$ 18	8.38	\$	3.53
	1. The current ra	-	presents curre	ent as	sets divided						

- by current liabilities.
- 2. Herd line debt per cow equals the total debt secured by the herd divided by the average total herd size. Heifers are included on a mature equivalent basis.
- 3. Total debt per cow equals the total current liabilities and long-term debt divided by the average total herd size. Heifers are included on a mature equivalent
- 4. Debt to equity ratio represents total debt divided by total equity.
- 5. The return on total assets represents the net income divided by the total assets, stated at cost.
- 6. Income (loss) per milking cow per month represents each region's accrual based financial results divided by the number of milking cows, divided by six

Ра	nhandle	Pacific orthwest	Your June 30, 2017 Results
	0.87 : 1	0.90 : 1	
\$	203	\$ 799	\$
\$	1,546	\$ 2,669	\$
	0.72 : 1	1.75 : 1	
	4.4%	1.6%	
\$	46.60	\$ 17.77	\$

FOR THE SIX MONTHS ENDED JUNE 30, 2017 AND YEAR ENDED DECEMBER 31, 2016 SOUTHERN CALIFORNIA (BASED ON PER HUNDREDWEIGHT OF MILK BASIS)

	June 30, 2017	Dec	ember 31, 2016
Income: Milk sales Calves and other	\$ 17.31 0.19	\$	15.91 0.54
Total income	\$ 17.50	\$	16.45
Cost of operations: Feed: Grain Hay and forages	\$ 6.29 2.71	\$	6.10 2.92
Total feed	\$ 9.00	\$	9.02
Labor, (including fringe costs)	\$ 2.34	\$	2.16
Herd replacement costs	\$ 2.63	\$	1.65
Other costs: Milk hauling State and association charges Veterinary, breeding, testing, etc Supplies Repairs and maintenance Utilities Occupancy costs Depreciation - equipment Interest Miscellaneous	\$ 0.37 0.19 0.67 0.47 0.85 0.20 0.27 0.15 0.35 0.61	\$	0.36 0.19 0.66 0.31 0.67 0.22 0.38 0.13 0.40 0.47
Total other costs	\$ 4.13	\$	3.79
Total cost of operations	\$ 18.10	\$	16.62
Net loss	\$ (0.60)	\$	(0.17)

SUMMARY OF FINANCIAL STATISTICS SOUTHERN CALIFORNIA June 30 2017 1 Current Ratio 0.36 : 2 Herd Line Debt Per Cow 859 \$ 3 Total Debt Per Cow \$ 2,08 4 Debt to Equity Ratio 0.81: 5 Return on Total Assets -1.1 6 Loss per milking cow per month \$ (13.43 1. The current ratio represents current assets divided by current liabilities. 2. Herd line debt per cow equals the total debt secured by the herd divided by the average total herd size. Heifers are included on a mature equivalent basis. 3. Total debt per cow equals the total current liabilities and long-term debt divided by the average total herd size. Heifers are included on a mature equivalent basis. 4. Debt to equity represents the total debt divided by the total equity. 5. The return on total assets represents the net income divided by the total assets, stated at cost. 6. Income per milking cow per month represents each region's accrual based financial results divided by the number of milking cows, divided by six months.

0, ,	De	cember 31, 2016	
1		0.43 : 1	
59	\$	1,271	
35	\$	2,898	
1		1.28 : 1	
1%		-0.6%	
43)	\$	(4.26)	

SOUTHERN CALIFORNIA

	June 30, 2017	De	ecember 31, 2016	De	ecember 31, 2015	De	ecember 31, 2014	De	cember 31, 2013	De	ecember 31, 2012	De	ecember 31, 2011
Income: Milk sales Calves and other	\$ 17.31 0.19	\$	15.91 0.54	\$	16.03 1.08	\$	22.79 0.93	\$	18.90 0.27	\$	16.91 0.26	\$	18.85 0.44
Total income	\$ 17.50	\$	16.45	\$	17.11	\$	23.72	\$	19.17	\$	17.17	\$	19.29
Total cost of operations: Feed Labor Herd replacement costs Other costs	\$ 9.00 2.34 2.63 4.13	\$	9.02 2.16 1.65 3.79	\$	10.25 1.92 1.00 3.98	\$	11.45 1.87 0.93 4.23	\$	11.80 1.71 1.30 3.90	\$	11.99 1.67 1.44 3.65	\$	11.64 1.72 1.54 4.39
Total costs of operations	\$ 18.10	\$	16.62	\$	17.15	\$	18.48	\$	18.71	\$	18.75	\$	19.29
Net income (loss)	\$ (0.60)	\$	(0.17)	\$	(0.04)	\$	5.24	\$	0.46	\$	(1.58)	\$	0.00
Cost of operations as a percentage of income	103.43%		101.03%		100.23%		77.91%		97.60%		109.20%		100.00%
Feed costs as a percentage of milk sales	51.99%		56.69%		63.94%		50.24%		62.43%		70.90%		61.75%
Net income (loss) per milking cow per month	\$ (13.43)	\$	(4.26)	\$	(2.17)	\$	114.66	\$	9.54	\$	(31.10)	\$	0.24

FOR THE SIX MONTHS ENDED JUNE 30, 2017 AND YEAR ENDED DECEMBER 31, 2016 SAN JOAQUIN VALLEY (BASED ON A PER HUNDREDWEIGHT OF MILK BASIS)

		June 30, 2017	Dec	ember 31, 2016	
Income:	۴	40.04	۴	45.04	
Milk sales Calves and other	\$	16.34 0.57	\$	15.34 0.34	
Total income	\$	16.91	\$	15.68	
Cost of operations:					
Feed: Grain	¢	6.26	¢	6.25	
Hay and forages	\$	0.20 2.21	\$	6.25 3.67	
		2.21		0.07	
Total feed	\$	8.47	\$	9.92	
Labor, (including fringe costs)	\$	1.74	\$	1.48	
Herd replacement costs	\$	1.56	\$	1.22	
Other costs:					
Milk hauling	\$	0.31	\$	0.32	
State and association charges	Ŧ	0.19	Ŧ	0.19	
Veterinary, breeding, testing, etc		0.47		0.30	
Supplies		0.59		0.54	
Repairs and maintenance		0.53		0.67	
Utilities		0.24		0.49	
Occupancy costs		0.64		0.46 0.27	
Depreciation - equipment Interest		0.34 0.45		0.27	
Miscellaneous		0.60		0.40	
Total other costs	\$	4.36	\$	4.11	
Total cost of operations	\$	16.13	\$	16.73	
Net income (loss)	\$	0.78	\$	(1.05)	

SUMMARY OF FINANCIAL STATISTICS

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	June 30, 2017	December 31, 2016	
Current Ratio	1.11 : 1	0.89 : 1	
Herd Line Debt Per Cow	\$ 792	\$ 1,080	
Total Debt Per Cow	\$ 2,646	\$ 3,235	
Debt to Equity Ratio	1.16 : 1	1.85 : 1	
Return on Total Assets	1.4%	-3.5%	
Income (loss) per milking cow per month	\$ 19.50	\$ (23.12)	
	 current liabili 2. Herd line deb the herd divid are included of 3. Total debt pe long-term deb Heifers are in 4. Debt to equity total equity. 5. The return on divided by the 6. Income per m each region's 	atio represents current assets dividenties. If per cow equals the total debt secure led by the average total herd size. He on a mature equivalent basis. If cow equals the total current liabilities of divided by the average total herd sidentiated of divided on a mature equivalent basis included on a mature equivalent basis by represents the total debt divided by a total assets represents the net income total assets, stated at cost. nilking cow per month represents accrual based financial results divident f milking cows, divided by six monthers	red by eifers es and size. o the me ed by

SAN JOAQUIN VALLEY

SAN JOAQUIN VALLEY

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
0.30 0.79 \$ 15.16 \$ 17.18 \$ 8.68 \$ 10.87 1.72 1.80 1.49 0.73 4.45 4.75 4.75 \$ 16.34 \$ 18.15
\$ 8.68 \$ 10.87 1.72 1.80 1.49 0.73 4.45 4.75 \$ 16.34 \$ 18.15
1.72 1.80 1.49 0.73 4.45 4.75 \$ 16.34 \$ 18.15
1.72 1.80 1.49 0.73 4.45 4.75 \$ 16.34 \$ 18.15
1.49 0.73 4.45 4.75 \$ 16.34 \$ 18.15
4.45 4.75 \$ 16.34 \$ 18.15
\$ 16.34 \$ 18.15
\$ (1.18) \$ (0.97)
107.78% 105.65%
58.41% 66.32%
\$ (23.12) \$ (13.20)

FOR THE SIX MONTHS ENDED JUNE 30, 2017 AND YEAR ENDED DECEMBER 31, 2016 KERN COUNTY (BASED ON A PER HUNDREDWEIGHT OF MILK BASIS)

	June 30, 2017	De	ecember 31, 2016
Income: Milk sales Calves and other	\$ 16.67 0.21	\$	15.34 0.34
Total income	\$ 16.88	\$	15.68
Cost of operations: Feed: Grain Hay and forages	\$ 5.73 2.94	\$	6.25 3.67
Total feed	\$ 8.67	\$	9.92
Labor, (including fringe costs)	\$ 1.36	\$	1.48
Herd replacement costs	\$ 1.21	\$	1.22
Other costs: Milk hauling State and association charges Veterinary, breeding, testing, etc Supplies Repairs and maintenance Utilities Occupancy costs Depreciation - equipment Interest Miscellaneous	\$ 0.34 0.19 0.32 0.42 0.56 0.28 0.38 0.25 0.31 0.53	\$	0.32 0.19 0.30 0.54 0.67 0.49 0.46 0.27 0.40 0.47
Total other costs	\$ 3.58	\$	4.11
Total cost of operations	\$ 14.82	\$	16.73
Net income (loss)	\$ 2.06	\$	(1.05)

SUMMARY OF FINANCIAL STATISTICS

	June 30, 2017	December 31, 2016	
1 Current Ratio	1.52 : 1	1.37 : 1	
2 Herd Line Debt Per Cow	\$ 473	\$ 892	
3 Total Debt Per Cow	\$ 1,853	\$ 3,335	
4 Debt to Equity Ratio	0.54:1	1.05 : 1	
5 Return on Total Assets	3.2%	-2.5%	
6 Income (loss) per milking cow per month	\$ 48.83	\$ (23.52)	
	 current liabilit 2. Herd line debt the herd divide are included o 3. Total debt per long-term deb Heifers are inc 4. Debt to equity total equity. 5. The return on divided by the 6. Income per mi each region's 	tio represents current ass les. per cow equals the total ed by the average total he n a mature equivalent bas cow equals the total curre t divided by the average t cluded on a mature equival represents the total debt total assets represents the total assets, stated at cos lking cow per month repre- accrual based financial re milking cows, divided by	debt secured by erd size. Heifers sis. ent liabilities and otal herd size. alent basis. divided by the e net income st. esents esults divided by

See accompanying explanation of income and cost factors.

KERN COUNTY

		June 30, 2017	De	cember 31, 2016	De	ecember 31, 2015	De	ecember 31, 2014	De	cember 31, 2013	De	ecember 31, 2012	De	cember 31, 2011
Income: Milk sales	\$	16.67	\$	15.34	\$	15.81	\$	22.46	\$	19.13	\$	16.97	\$	19.02
Calves and other	φ	0.21	φ	0.34	φ	0.69	φ	0.45	φ	0.23	φ	0.25	φ	0.19
Total income	\$	16.88	\$	15.68	\$	16.50	\$	22.91	\$	19.36	\$	17.22	\$	19.21
Total cost of operations:														
Feed	\$	8.67	\$	9.92	\$	11.09	\$	11.77	\$	12.52	\$	12.15	\$	9.78
Labor		1.36		1.48		1.40		1.28		1.29		1.25		1.31
Herd replacement costs		1.21		1.22		0.80		0.77		1.20		1.20		1.24
Other costs		3.58		4.11		3.89		4.00		3.85		3.92		3.86
Total costs of operations	\$	14.82	\$	16.73	\$	17.18	\$	17.82	\$	18.86	\$	18.52	\$	16.19
Net income (loss)	\$	2.06	\$	(1.05)	\$	(0.68)	\$	5.09	\$	0.50	\$	(1.30)	\$	3.02
Cost of operations as a percentage of income		87.80%		106.70%		104.12%		77.78%		97.42%		107.55%		84.28%
		07.00 /0		100.7076		104.12 /0		11.1070		97.4270		107.55%		04.2070
Feed costs as a percentage														
of milk sales		52.01%		64.67%		70.15%		52.40%		65.45%		71.60%		51.42%
						(14.95)	\$	149.10	•	36.88	\$	(8.21)		82.44

FOR THE SIX MONTHS ENDED JUNE 30, 2017 AND YEAR ENDED DECEMBER 31, 2016 ARIZONA (BASED ON A PER HUNDREDWEIGHT OF MILK BASIS)

	June 30, 2017	December 31, 2016				
Income: Milk sales Calves and other	\$ 17.07 0.51	\$	15.56 0.57			
Total income	\$ 17.58	\$	16.13			
Cost of operations: Feed: Grain Hay and forages	\$ 6.09 3.19	\$	6.24 2.39			
Total feed	\$ 9.28	\$	8.63			
Labor, (including fringe costs)	\$ 1.91	\$	2.03			
Herd replacement costs	\$ 1.53	\$	1.33			
Other costs: Milk hauling State and association charges Veterinary, breeding, testing, etc. Supplies Repairs and maintenance Utilities Occupancy costs Depreciation - equipment Interest Miscellaneous	\$ 0.48 0.26 0.47 0.69 0.57 0.30 0.56 0.27 0.54 0.87	\$	0.49 0.33 0.29 0.78 0.56 0.37 0.27 0.29 0.54 1.11			
Total other costs	\$ 5.01	\$	5.03			
Total cost of operations	\$ 17.73	\$	17.02			
Net loss	\$ (0.15)	\$	(0.89)			

SUMMARY OF FINANCIAL STATISTICS June 30 2017 0.61:1 1 Current Ratio 2 Herd Line Debt Per Cow 1,091 \$ 3 Total Debt Per Cow \$ 3,122 4 Debt to Equity Ratio 2.10:1 5 Return on Total Assets -0.3% 6 Loss per milking cow per month (3.27)\$ total equity.

),	Dec	ember 31, 2016		
1		0.63 : 1		
1	\$	1,234		
2	\$	3,447		
		2.16 : 1		
%		-2.8%		
7)	\$	(20.02)		

ARIZONA

1. The current ratio represents current assets divided by current liabilities.

2. Herd line debt per cow equals the total debt secured by the herd divided by the average total herd size. Heifers are included on a mature equivalent basis.

3. Total debt per cow equals the total current liabilities and long-term debt divided by the average total herd size. Heifers are included on a mature equivalent basis.

4. Debt to equity represents the total debt divided by the

5. The return on total assets represents the net income divided by the total assets, stated at cost.

6. Income per milking cow per month represents each region's accrual based financial results divided by the number of milking cows, divided by six months.

ARIZONA

		June 30, 2017	De	ecember 31, 2016	De	ecember 31, 2015	_	Dee	cember 31, 2014	De	cember 31, 2013	De	ecember 31, 2012	De	cember 31, 2011
Income: Milk sales	\$	17.07	\$	15.56	\$	16.33	_	\$	23.35	\$	20.10	\$	18.48	\$	20.74
Calves and other	-	0.51		0.57		0.87	_		1.20		0.35		0.32		0.28
Total income	\$	17.58	\$	16.13	\$	17.20	_	\$	24.55	\$	20.45	\$	18.80	\$	21.02
Total cost of operations:															
Feed	\$	9.28	\$	8.63	\$	9.49		\$	10.74	\$	11.68	\$	11.49	\$	10.61
Labor		1.91		2.03		1.97			2.06		1.89		1.89		1.67
Herd replacement costs		1.53		1.33		0.87			0.69		1.02		1.02		1.29
Other costs	-	5.01		5.03		5.01	_		5.30		4.96		4.64		5.39
Total costs of operations	\$	17.73	\$	17.02	\$	17.34	-	\$	18.79	\$	19.55	\$	19.04	\$	18.96
Net income (loss)	\$	(0.15)	\$	(0.89)	\$	(0.14)	_	\$	5.76	\$	0.90	\$	(0.24)	\$	2.06
Cost of operations as a percentage of income		100.85%		105.52%		100.81%	_		76.54%		95.60%		101.28%		90.20%
Feed costs as a percentage of milk sales		54.36%		55.46%		58.11%	_		46.00%		58.11%		62.18%		51.16%
Net income (loss) per milking cow per month	\$	(3.27)	\$	(20.02)	\$	(0.14)	_	\$	124.79	\$	25.32	\$	(4.28)	\$	42.84

FOR THE SIX MONTHS ENDED JUNE 30, 2017 AND YEAR ENDED DECEMBER 31, 2016 IDAHO (BASED ON A PER HUNDREDWEIGHT OF MILK BASIS)

	J	lune 30, 2017	Dec	cember 31, 2016
Income:				
Milk sales	\$	16.75	\$	15.52
Calves and other	·	0.16		0.23
Total income	\$	16.91	\$	15.75
Cost of operations: Feed:				
Grain	\$	5.60	\$	5.50
Hay and forages	Ψ	2.40	Ψ	2.94
Thay and foragee		2.10		2.01
Total feed	\$	8.00	\$	8.44
Labor, (including fringe costs)	\$	1.90	\$	1.70
Herd replacement costs	\$	1.61	\$	1.79
Other costs:				
Milk hauling	\$	0.32	\$	0.28
State and association charges	Ŷ	0.20	Ŷ	0.24
Veterinary, breeding, testing, etc.		0.52		0.48
Supplies		0.67		0.57
Repairs and maintenance		0.83		0.63
Utilities		0.19		0.19
Occupancy costs		0.37		0.53
Depreciation - equipment		0.38		0.29
Interest		0.42		0.33
Miscellaneous		0.69		0.65
Total other costs	\$	4.59	\$	4.19
Total cost of operations	\$	16.10	\$	16.12
Net income (loss)	\$	0.81	\$	(0.37)

SUMMARY OF FINANCIAL STATISTICS

		2017
1 Current Ratio		1.00 : ′
2 Herd Line Debt Per Cow	\$	528
3 Total Debt Per Cow	\$	2,654
4 Debt to Equity Ratio		0.99 : <i>′</i>
5 Return on Total Assets		1.39
6 Income (loss) per milking cow per month	\$	18.38
	2. 3. 4. 5.	total eq The retu divided
	6.	Income each re the num

June 30, 2017	Dec	cember 31, 2016	
1.00 : 1		0.94 : 1	
528	\$	503	
2,654	\$	2,440	
0.99 : 1		1.08 : 1	
1.3%		-1.2%	
18.38	\$	(1.69)	

IDAHO

irrent ratio represents current assets divided by nt liabilities.

ine debt per cow equals the total debt secured by rd divided by the average total herd size. Heifers cluded on a mature equivalent basis.

lebt per cow equals the total current liabilities and erm debt divided by the average total herd size. are included on a mature equivalent basis.

equity represents the total debt divided by the quity.

turn on total assets represents the net income by the total assets, stated at cost.

e per milking cow per month represents egion's accrual based financial results divided by mber of milking cows, divided by six months.

IDAHO

		June 30, 2017	De	cember 31, 2016	De	cember 31, 2015	De	cember 31, 2014	De	cember 31, 2013	De	cember 31, 2012	De	cember 31, 2011
Income: Milk sales	\$	16.75	\$	15.52	\$	15.90	\$	22.55	\$	19.05	\$	18.07	\$	18.88
Calves and other	<u> </u>	0.16	-	0.23	-	0.79		0.62		0.40		0.43		0.20
Total income	\$	16.91	\$	15.75	\$	16.69	\$	23.17	\$	19.45	\$	18.50	\$	19.08
Total cost of operations:														
Feed	\$	8.00	\$	8.44	\$	8.93	\$	10.48	\$	10.73	\$	10.29	\$	9.78
Labor		1.90		1.70		1.60		1.75		1.63		1.64		1.63
Herd replacement costs		1.61		1.79		1.09		0.66		1.10		1.00		1.02
Other costs	-	4.59		4.19		4.09		4.69		4.59		4.67		4.77
Total costs of operations	\$	16.10	\$	16.12	\$	15.71	\$	17.58	\$	18.05	\$	17.60	\$	17.20
Net income (loss)	\$	0.81	\$	(0.37)	\$	0.98	\$	5.59	\$	1.40	\$	0.90	\$	1.88
Cost of operations as a percentage of income		95.21%		102.35%		94.13%		75.87%		92.80%		95.14%		90.15%
Feed costs as a percentage of milk sales		47.76%		54.38%		56.16%		46.47%		56.33%		56.95%		51.80%
Net income (loss) per milking				(1.69)	\$	27.14	\$	138.34	\$	40.28	\$	32.95	\$	56.87

FOR THE SIX MONTHS ENDED JUNE 30, 2017 AND YEAR ENDED DECEMBER 31, 2016 NEW MEXICO (BASED ON A PER HUNDREDWEIGHT OF MILK BASIS)

	June 30, 2017	Dec	ember 31, 2016
Income: Milk sales Calves and other	\$ 16.20 0.30	\$	15.84 0.37
Total income	\$ 16.50	\$	16.21
Cost of operations: Feed: Grain Hay and forages	\$ 6.20 2.38	\$	6.20 2.98
Total feed	\$ 8.58	\$	9.18
Labor, (including fringe costs)	\$ 1.90	\$	2.09
Herd replacement costs	\$ 1.24	\$	1.38
Other costs: Milk hauling State and association charges Veterinary, breeding, testing, etc Supplies Repairs and maintenance Utilities Occupancy costs Depreciation - equipment Interest Miscellaneous	\$ 0.70 0.48 0.31 0.74 0.82 0.24 0.37 0.30 0.42 0.25	\$	0.98 0.39 0.53 0.51 0.67 0.37 0.41 0.34 0.54 0.81
Total other costs	\$ 4.63	\$	5.55
Total cost of operations	\$ 16.35	\$	18.20
Net income (loss)	\$ 0.15	\$	(1.99)

SUMMARY OF FINANCIAL STATISTICS

	June 30, 2017	Dec	ember 31, 2016
1 Current Ratio	1.17 : 1		0.84 : 1
2 Herd Line Debt Per Cow	\$ 320	\$	652
3 Total Debt Per Cow	\$ 1,875	\$	2,616
4 Debt to Equity Ratio	0.72 : 1		1.35 : 1
5 Return on Total Assets	0.3%		-5.4%
6 Income (loss) per milking cow per month	\$ 3.53	\$	(36.35)
	 current liabilit 2. Herd line debt the herd divide are included o 3. Total debt per long-term deb Heifers are inc 4. Debt to equity total equity. 5. The return on divided by the 6. Income per mi each region's 	ies. per cow e ed by the a on a mature cow equa t divided b cluded on a represents total asset total asset ilking cow accrual ba	ents current assets divided by quals the total debt secured by werage total herd size. Heifers e equivalent basis. Is the total current liabilities and y the average total herd size. a mature equivalent basis. Is the total debt divided by the s represents the net income ts, stated at cost. per month represents sed financial results divided by ws, divided by six months.

NEW MEXICO

NEW MEXICO

		June 30, 2017	De	ecember 31, 2016	De	ecember 31, 2015	De	ecember 31, 2014	De	cember 31, 2013	De	ecember 31, 2012	De	cember 31, 2011
Income: Milk sales	\$	16.20	\$	15.84	\$	16.50	\$	23.46	\$	19.53	\$	18.31	\$	19.89
Calves and other	Ψ	0.30	Ψ	0.37	Ψ	0.75	¥ 	1.03	Ψ	0.43	Ψ	0.39	Ψ	0.29
Total income	\$	16.50	\$	16.21	\$	17.25	\$	24.49	\$	19.96	\$	18.70	\$	20.18
Total cost of operations:														
Feed	\$	8.58	\$	9.18	\$	10.39	\$	11.98	\$	12.16	\$	12.54	\$	10.62
Labor		1.90		2.09		2.05		1.81		1.62		1.70		1.62
Herd replacement costs Other costs		1.24 4.63		1.38 5.55		0.95 5.80		0.57 6.03		0.82 5.20		0.82 5.20		1.12 5.03
	-	4.00		0.00		0.00		0.00		5.20		5.20		0.00
Total costs of operations	\$	16.35	\$	18.20	\$	19.19	\$	20.39	\$	19.80	\$	20.26	\$	18.39
Net income (loss)	\$	0.15	\$	(1.99)	\$	(1.94)	\$	4.10	\$	0.16	\$	(1.56)	\$	1.79
Cost of operations as		00.00%		110 000/		111 050/		00.000/		00.200/		100.240/		04 4 20/
a percentage of income		99.09%		112.28%		111.25%		83.26%		99.20%		108.34%		91.13%
Feed costs as a percentage														
of milk sales		52.96%		57.95%		62.97%		51.07%		62.26%		68.49%		53.39%
Net income (loss) per milking	\$	3.53	<u>^</u>		<u> </u>	(14.91)	•	6 6 6	*	<u> </u>	^		<u> </u>	
cow per month		くちく	*	(36.35)	\$	114 411	\$	99.60	3	23.28	\$	(15.48)	\$	49.14

FOR THE SIX MONTHS ENDED JUNE 30, 2017 AND YEAR ENDED DECEMBER 31, 2016 PANHANDLE (BASED ON A PER HUNDREDWEIGHT OF MILK BASIS)

	June 30, 2017	D	ecember 31, 2016
Income: Milk sales Calves and other	\$ 17.74 0.24	\$	17.41 0.25
Total income	\$ 17.98	\$	17.66
Cost of operations: Feed: Grain Hay and forages	\$ 4.71 2.68	\$	5.47 2.78
Total feed	\$ 7.39	\$	8.25
Labor, (including fringe costs)	\$ 1.93	\$	2.18
Herd replacement costs	\$ 1.50	\$	1.56
Other costs: Milk hauling State and association charges Veterinary, breeding, testing, etc Supplies Repairs and maintenance Utilities Occupancy costs Depreciation - equipment Interest Miscellaneous	\$ 0.65 0.28 0.62 0.70 0.70 0.17 0.52 0.38 0.33 0.64	\$	0.69 0.26 0.73 0.76 0.81 0.20 0.59 0.46 0.40 0.89
Total other costs	\$ 4.99	\$	5.79
Total cost of operations	\$ 15.81	\$	17.78
Net income (loss)	\$ 2.17	\$	(0.12)

SUMMARY OF FINANCIAL STATISTICS

June 30 2017

1 Current Ratio		0.87 : 1
2 Herd Line Debt Per Cow	\$	203
3 Total Debt Per Cow	\$	1,546
4 Debt to Equity Ratio		0.72 : 1
5 Return on Total Assets		4.4%
6 Income (loss) per milking cow per month	\$	46.60
	2. 3. 4.	The curr current Herd line the herd are inclu Total del long-terr Heifers a Debt to e total equ The retu divided to Income p each reg the numb

),	Dec	ember 31, 2016	
1		0.80 : 1	
3	\$	481	
6	\$	2,275	
1		1.13 : 1	
%		-0.4%	
0	\$	(1.46)	

rrent ratio represents current assets divided by liabilities.

he debt per cow equals the total debt secured by divided by the average total herd size. Heifers uded on a mature equivalent basis.

ebt per cow equals the total current liabilities and rm debt divided by the average total herd size. are included on a mature equivalent basis.

equity represents the total debt divided by the uity.

urn on total assets represents the net income by the total assets, stated at cost.

per milking cow per month represents gion's accrual based financial results divided by nber of milking cows, divided by six months.

PANHANDLE

		June 30, 2017	De	cember 31, 2016	De	cember 31, 2015	De	cember 31, 2014	De	ecember 31, 2013	De	ecember 31, 2012	De	cember 31, 2011
Income: Milk sales	\$	17.74	\$	17.41	\$	17.69	\$	23.85	\$	20.65	\$	19.05	\$	20.57
Calves and other	¢	0.24	¢	0.25	<u>۴</u>	0.68		0.46	<u></u>	0.44	<u>۴</u>	0.49	<u></u>	0.26
Total income	\$	17.98	\$	17.66	\$	18.37	\$	24.31	\$	21.09	\$	19.54	\$	20.83
Total cost of operations: Feed Labor Herd replacement costs Other costs	\$	7.39 1.93 1.50 4.99	\$	8.25 2.18 1.56 5.79	\$	9.45 1.95 1.01 5.65	\$	10.79 1.65 0.67 5.37	\$	12.86 1.65 1.16 5.01	\$	12.12 1.65 1.11 4.75	\$	10.10 1.76 1.35 4.81
Total costs of operations	\$	15.81	\$	17.78	\$	18.06	\$	18.48	\$	20.68	\$	19.63	\$	18.02
Net income (loss)	\$	2.17	\$	(0.12)	\$	0.31	\$	5.83	\$	0.41	\$	(0.09)	\$	2.81
Cost of operations as a percentage of income		87.93%		100.68%		98.31%		76.02%		98.06%		100.46%		86.51%
Feed costs as a percentage of milk sales		41.66%		47.39%		53.42%		45.24%		62.28%		63.62%		49.10%
Net income (loss) per milking	\$	46.60	\$	(1.46)	\$	16.08	\$	129.99	\$	17.31	\$	(1.12)	\$	53.28

FOR THE SIX MONTHS ENDED JUNE 30, 2017 AND YEAR ENDED DECEMBER 31, 2016 PACIFIC NORTHWEST (BASED ON A PER HUNDREDWEIGHT OF MILK BASIS)

		June 30, 2017	De	December 31, 2016				
Income:								
Milk sales	\$	19.38	\$	17.21				
Calves and other		0.09		0.22				
Total income	\$	19.47	\$	17.43				
Cost of operations:								
Feed:								
Grain	\$	6.31	\$	5.62				
Hay and forages		2.80		3.65				
Total feed	\$	9.11	\$	9.27				
Labor, (including fringe costs)	\$	2.44	\$	2.07				
Herd replacement costs	\$	1.70	\$	1.27				
Other costs:								
Milk hauling	\$	0.56	\$	0.62				
State and association charges	Ψ	0.32	Ψ	0.29				
Veterinary, breeding, testing, etc		0.67		0.56				
Supplies		0.56		0.51				
Repairs and maintenance		0.82		0.70				
Utilities		0.17		0.20				
Occupancy costs		0.85		0.83				
Depreciation - equipment		0.28		0.35				
Interest		0.35		0.30				
Miscellaneous		0.75		0.60				
Total other costs	\$	5.33	\$	4.96				
Total cost of operations	\$	18.58	\$	17.57				
Net income (loss)	\$	0.89	\$	(0.14)				

SUMMARY OF FINANCIAL STATISTICS

	June 30, 2017	December 31, 2016	
1 Current Ratio	0.90 : 1	1.33 : 1	
2 Herd Line Debt Per Cow	\$ 799	\$ 625	
3 Total Debt Per Cow	\$ 2,669	\$ 2,873	
4 Debt to Equity Ratio	1.75 : 1	1.02 : 1	
5 Return on Total Assets	1.6%	-0.5%	
6 Income (loss) per milking cow per month	\$ 17.77	\$ (3.90)	
	 current liabilitie 2. Herd line debt the herd divide are included or 3. Total debt per long-term debt Heifers are inc 4. Debt to equity total equity. 5. The return on t divided by the 6. Income per mil each region's a 	io represents current asseres. per cow equals the total de d by the average total here n a mature equivalent basis cow equals the total curren divided by the average tot luded on a mature equivale represents the total debt di total assets represents the total assets, stated at cost. king cow per month represents accrual based financial resu	ebt secured by I size. Heifers s. It liabilities and al herd size. ent basis. vided by the net income

PACIFIC NORTHWEST

PACIFIC NORTHWEST

		June 30, 2017	De	ecember 31, 2016	De	ecember 31, 2015	 De	cember 31, 2014	De	ecember 31, 2013	De	cember 31, 2012	De	cember 31, 2011
Income: Milk sales	\$	19.38	\$	17.21	\$	16.79	\$	23.19	\$	20.48	\$	18.56	\$	20.58
Calves and other Total income	\$	0.09	\$	0.22	\$	0.40	 \$	0.43 23.62	\$	0.34 20.82	\$	0.83	\$	0.57 21.15
Total cost of operations:		-	•				 Ŧ		.		,		Ŧ	
Feed Labor Herd replacement costs	\$	9.11 2.44 1.70	\$	9.27 2.07 1.27	\$	9.58 1.85 0.69	\$	11.18 1.83 0.72	\$	11.83 1.73 1.15	\$	10.53 1.70 1.29	\$	9.87 1.71 1.36
Other costs	•	5.33		4.96		5.23	 •	5.36	•	5.17	•	5.18		5.22
Total costs of operations Net income (loss)	\$ \$	<u>18.58</u> 0.89	\$\$	(0.14)	\$ \$	(0.16)	 \$\$\$	<u>19.09</u> 4.53	\$\$\$	<u>19.88</u> 0.94	\$\$\$	<u>18.70</u> 0.69	\$\$\$	<u>18.16</u> 2.99
Cost of operations as a percentage of income		95.43%		100.80%		100.93%		80.80%		95.46%		96.44%		85.86%
Feed costs as a percentage of milk sales		47.01%		53.86%		57.06%		48.21%		57.76%		56.73%		47.96%
Net income (loss) per milking cow per month	\$	17.77	\$	(3.90)	\$	(3.06)	\$	110.56	\$	32.97	\$	19.67	\$	74.13

EXPLANATION OF INCOME AND COST FACTORS

Basis of presentation	Information is included both on a "per head" basis and a "per hundredweight of milk" basis. The "per head" statistics are based on the total average number of milking and dry cows in a herd for the period. The Panhandle region includes the triangle from Clovis, New Mexico, up to Amarillo, Texas and down to Lubbock, Texas. The Pacific Northwest region includes the states of Washington and Oregon.
Milk sales	Includes milk income, quality and production bonuses, patronage dividends, USDA program payments, and gains and losses on milk futures.
Calves and other income	This is primarily composed of the sale of calves, heifers, other livestock and equipment, and miscellaneous other income.
Feed	Grain includes all minerals and supplements while "Hay and Other" represents alfalfa and all forage costs
Labor	Includes wages and fringe costs such as payroll taxes, workers' compensation insurance, medical insurance, union benefits, etc. Compensation to owner-employees or partners is not included.
Herd replacement cost	Represents the difference between the actual price paid for purchased cows (or estimated cost of self-raised cows) at the time the cows were added to the milking herd less the sales price received for cows disposed of. This difference is amortized over the productive life of the cows.
Occupancy cost	Includes property taxes and depreciation of buildings on owner occupied facilities, rent paid and depreciation of improvements on leased facilities. It does not include interest paid on real property.
Miscellaneous cost	Includes auto, truck and fuel expenses, insurance, professional fees, quality penalties and other dairy expenses not specifically classified in another category.
Net income	Is stated before a provision for income taxes or a return on the dairy owner's investment.

OUR FIRM AND THE DAIRY INDUSTRY

Frazer, LLP has been associated with the dairy industry since the early 1950's. At that time, many immigrants from Europe were arriving in California's "Dairy Valley" and establishing their farming operations. These early dairies averaged 50 cows and the families provided most of the labor. Frazer, LLP's partners, situated in "Dairy Valley," were instrumental in the creation of federal and state laws to help dairymen. We have consistently supported pro-agricultural organizations in their efforts to help shape policy and better the living and working environments for dairy families.

As development expanded in the dairy farming area, our firm helped many dairies relocate throughout California, and other states throughout the West and Mid-West. Many families we are servicing now have their third generation stepping into the operation's management. We have grown with these families into their multiple operations, often totaling 10,000 cows or more. Today, Frazer, LLP has clients in California, Arizona, Texas, New Mexico, Colorado, Idaho, Utah, Nevada, Oregon, Washington, Nebraska, Kansas, Wisconsin, Iowa, and South Dakota. Also, we actively consult with many dairies throughout the United States.

As we look to the future, the trend towards efficiently operated dairies will continue. Along with this trend, the dairy industry is facing continued challenges in its operations, efficiency building efforts which are continuous, expansion and relocation activities including the ability to construct new dairies. The dairy industry brings many jobs to an area and allows associated businesses to grow and flourish. This creates further conflict between the local communities, governments and the environmentalists. Dairy producers face volatility in many facets of their business. Milk pricing and feed market updates can be monitored daily by producers via the CME website boards. Making the correct market decision with respect to milk and feed pricing are crucial to the successful operations of any facility. These decisions to contract any pricing of commodities often carry substantial risk/reward to the producers operation. And finding and keeping quality labor remains a constant challange.

As we are well through 2017, milk prices which began to slowly rise at the end of 2016 have continued to rise through the date of these reports. Major issues looming for producers in the nation are domestic and global demand, and worldwide competition. Sources of quality labor is getting more competitive while there is increased demand on higher wages and benefits that are putting additional strains on producers. Milk and feed futures continue to react with volatility, and obtaining future credit has become increasingly difficult as lending regulations remain strenuous at best. Milk production continues to rise and heifer inventories are rising dramatically as the impact of improved breeding, sexed semen, and continuous beefing of lower end producing cows, which started several years ago now translates into exploding heifer programs and first calf herds. All of these factors require that producers do as much as they can to conserve resources, improve efficiencies, and make the right decisions day to day for their operations in order to insure a viable future.

Frazer, LLP will be instrumental in providing the assistance needed to make these decisions.



NOTES

Services Provided to the Dairy Industry:

Assurance and Accounting

- Audits, reviews, and compilations
- Budgeting and cash flow management
- Fair market value financial statements
- Payroll
- Preparation of cash or accrual basis financial statements
- QuickBooks

Tax Planning and Compliance

- Estate tax and gifting strategies
- Optimizing tax strategies
- Research tax credits
- Strategic planning for ownership changes
- Tax return preparation

Consulting and Business Advisory Services

- Asset purchase consulting
- Entity selection
- Lease or buy consulting
- Loan packaging and debt restructuring
- Tax deferred exchanges

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