

Butterfat, Total Protein and True Protein Content of Producer Deliveries
and a Calculated Fat to True Protein Ratio

ORDER	November 1998								December 1998								January 1999								February 1999							
	Milk Lbs.	Fat	Fat Lbs.	Protein	True Prot.	Prot. Lbs.	Ratio		Milk Lbs.	Fat	Fat Lbs.	Protein	True Prot.	Prot. Lbs.	Ratio		Milk Lbs.	Fat	Fat Lbs.	Protein	True Prot.	Prot. Lbs.	Ratio		Milk Lbs.	Fat	Fat Lbs.	Protein	True Prot.	Prot. Lbs.	Ratio	
So. Michigan	345,111	3.83%	13,218	3.30%	3.11%	10,733	1.232		368,252	3.81%	13,954	3.25%	3.06%	11,207	1.245		375,078	3.85%	14,441	3.28%	3.09%	11,590	1.246		338,844	3.77%	12,774	3.25%	3.06%	10,369	1.232	
E. Ohio/W. PA	263,429	3.89%	10,247	3.30%	3.11%	8,193	1.251		290,033	3.86%	11,195	3.27%	3.08%	8,939	1.253		289,547	3.88%	11,234	3.28%	3.08%	8,947	1.256		262,441	3.84%	10,078	3.25%	3.08%	8,031	1.255	
Ohio Valley	201,814	3.87%	7,810	3.36%	3.17%	6,398	1.221		249,590	3.87%	9,658	3.31%	3.12%	7,789	1.240		257,861	3.92%	10,108	3.33%	3.14%	8,097	1.248		222,389	3.84%	8,540	3.29%	3.10%	6,894	1.239	
Indiana	147,901	3.85%	5,694	3.35%	3.16%	4,674	1.218		164,578	3.84%	6,320	3.29%	3.10%	5,102	1.239		171,929	3.90%	6,705	3.32%	3.13%	5,381	1.246		152,823	3.80%	5,800	3.26%	3.07%	4,886	1.238	
Chicago Regional	523,181	3.87%	20,247	3.28%	3.09%	16,166	1.252		558,355	3.84%	21,364	3.23%	3.04%	16,913	1.263		1,348,533	3.84%	51,784	3.23%	3.04%	40,995	1.263		1,247,170	3.79%	47,288	3.18%	2.99%	37,290	1.268	
Upper Midwest	246,151	3.83%	9,428	3.25%	3.06%	7,532	1.252		251,780	3.79%	9,542	3.21%	3.02%	7,803	1.255		1,017,571	3.81%	38,769	3.25%	3.06%	31,138	1.245		905,621	3.77%	34,142	3.21%	3.02%	27,350	1.248	
Iowa	147,910	3.87%	5,724	3.32%	3.13%	4,830	1.236		159,642	3.83%	6,114	3.27%	3.08%	4,917	1.244		337,752	3.86%	13,037	3.29%	3.10%	10,470	1.245		328,692	3.79%	12,457	3.24%	3.05%	10,026	1.243	
Neb/W. Iowa	94,293	3.85%	3,630	3.31%	3.12%	2,942	1.234		107,218	3.81%	4,085	3.28%	3.09%	3,313	1.233		181,362	3.82%	6,184	3.32%	3.13%	5,051	1.220		159,852	3.75%	5,964	3.26%	3.07%	4,907	1.221	
W Idaho/E. Oregon	46,844	3.79%	1,775	3.40%	3.21%	1,504	1.181		60,282	3.72%	2,242	3.32%	3.13%	1,887	1.188		151,019	3.70%	5,588	3.31%	3.12%	4,712	1.188		291,820	3.64%	10,622	3.30%	3.11%	9,078	1.171	
Great Basin	133,740	3.75%	5,015	3.30%	3.11%	4,159	1.206		183,728	3.76%	6,945	3.31%	3.12%	5,732	1.212		186,046	3.72%	6,921	3.26%	3.07%	5,712	1.212		181,643	3.65%	6,830	3.24%	3.05%	5,540	1.197	
Pacific Northwest	535,732	3.76%	20,144	3.32%	3.13%	16,768	1.201		559,377	3.77%	21,089	3.29%	3.10%	17,341	1.216		569,520	3.73%	21,243	3.26%	3.07%	17,484	1.215		521,477	3.73%	19,451	3.27%	3.08%	16,061	1.211	
Total	2,686,106		102,933			83,698			2,948,785		112,508			90,735			4,866,218		185,994			149,577			4,612,572		173,756			140,229		
Wgt Avg		3.832%			3.116%		1.2298			3.815%			3.077%		1.2400			3.822%			3.074%		1.2435			3.787%			3.040%		1.2391	

National Weighted Average Fat to True Protein Ratio

Month	Milk Lbs.	Wgt Avg Ratio
November	2,686,106	1.2298
December	2,948,785	1.2400
January	4,866,218	1.2435
February	4,612,572	1.2391
March	5,118,710	1.2434
April	2,777,485	1.2358
May	5,102,813	1.2298
June	4,752,875	1.2275
July	2,371,311	1.2244
August	2,355,717	1.2062
September	2,438,175	1.2018
October	4,909,774	1.2211
Annual Wgt Avg Fat to True Protein Ratio		1.2306

Weighted Average Fat to True Protein Ratio by Order

Order	Wgt Avg Ratio
So. Michigan	1.2257
E. Ohio/W. PA	1.2404
Ohio Valley	1.2249
Indiana	1.2242
Chicago	1.2587
Up Midwest	1.2437
Iowa	1.2348
Neb/W. Iowa	1.2201
SW Idaho/E. OR	1.1695
Grt Basin	1.1940
Pac NW	1.2012

NOTE: True Prot. = Protein - .19%
SOURCE: 1999 Annual Federal Milk Order Market Statistics; Bi-Monthly Federal Milk Order Statistics - 1999