

PRODUCER STRUCTURE IN FEDERAL MILK ORDERS, MAY 2001*

During 2001, on the average, handlers regulated under Federal milk orders received milk from slightly more than 66,400 producers (dairy farmers). The volume of these milk receipts, about 120 billion pounds, accounted for 73 percent of all the milk marketed in the United States (U.S.) and 75 percent of total Grade A milk receipts.

Information on the size (volume of milk received per producer) of Federal milk order dairy farmers, along with comparisons to similar data for such farmers in earlier years, will help to show some trends taking place in the structure of U.S. dairy farmers.

Information on milk receipts per producer in May 2001 was obtained from the market administrators of the 11 Federal milk orders. These data were sorted according to the State location of the producer and were arrayed into 10 size groups based on the volume of milk received from the producer. These size groups are different than those used in previous surveys in that they have been adjusted to accommodate the larger volumes of milk marketed by today's dairy farmers. However, the current size groups have been designed to allow comparisons to those used in the previous surveys.

The merger and consolidation of Federal milk orders on January 1, 2000, significantly enlarged the marketing area covered by an order and reduced the number of orders. Consequently, now there are fewer instances of a producer marketing milk on more than one order in a month. Thus, for most States, the information in this report should be representative of the structure of producers marketing fluid grade milk. States for which the information may not be representative are California and Idaho, where the proportion of total producer milk receipts marketed under Federal orders in May 2001 was relatively small.

This report summarizes the major findings of the current survey, and presents comparisons to similar data for previous years. These findings are:

- (1) In May 2001, the average volume of milk receipts per producer was 161,316 pounds, roughly equivalent to the milk production of 101 cows. This average volume of milk was 71 percent larger than the average volume marketed by dairy farmers of 11 years ago, and more than 2.4 times as much as the average for dairy farmers of 21 years ago. (See tables 1 and 4.)
- (2) On a State basis, in May 2001, the average volume of milk receipts per producer ranged from 84,785 pounds in Kentucky, to 2,768,222 pounds in New Mexico. Other States with notably large average milk receipts per producer were Arizona, Florida, Colorado, and Washington. States with notably small averages were Rhode Island, Missouri, Pennsylvania, and Minnesota.

The State with the largest average number of milk cows per farm was New Mexico, which had 1,480 cows; the State with the lowest average was Rhode Island, which had 64 cows. There were 26 States for which the average number of milk cows per farm was larger than the all-order average (101 cows); there were

18 States where the average was smaller. In one State, the average was the same. (See table 3.)

- (3) For all Federal milk orders combined, the milk receipt size group with the largest number of producers was the 50,000-99,999 pounds size; 34 percent of producers were in this group. The milk receipt size group with the largest volume of milk was the 100,000-249,999 pounds size; nearly 26 percent of total receipts were in this group. Smaller producers, those marketing less than 250,000 pounds of milk, account for 89 percent of all producers, yet only 46 percent of all milk receipts. There were more than 1,400 producers who marketed more than 1,000,000 pounds of milk in May 2001. While these producers accounted for only 2.2 percent of all producers, they marketed 29.3 percent of total milk receipts. There were 75 dairy farmers who marketed more than 5,000,000 pounds of milk during that month. (See table 1.)
- (4) Among individual States, the importance of the various milk receipt size groups can vary greatly. For most States, the smaller producers, those marketing less than 250,000 pounds of milk, dominate. Typical of this group is Louisiana where these groups accounted for 74 percent of milk receipts. For some States, the larger producers, those marketing more than 1,500,000 pounds of milk, dominate. Typical of this group is Colorado where these groups accounted for 59 percent of milk receipts. In some States, such as Oregon the distribution of milk receipt size groups was fairly equal. Producers marketing more than 5,000,000 pounds of milk were reported in 15 States; in Kansas, this size group accounted for nearly 31 percent of milk receipts. (See table 2.)
- (5) The change in the relative importance of the milk receipts size groups over time further illustrates the significant growth in the volume of milk received per producer. In May 1990, there were 70,586 dairy farmers marketing less than 100,000 pounds of milk, slightly more than 73 percent of all producers marketing milk under Federal orders. By May 2001, there were only 40,402 producers marketing this volume of milk, a drop of 30,184, nearly all of the total decrease in producers over this time period. While the number of producers marketing more than 100,000 pounds of milk was virtually the same in the two time periods, the number of producers in the larger size groups grew significantly. In May 2001, the number of producers marketing 250,000 to 600,000 pounds of milk was nearly 50 percent larger than in May 1990. The number of producers marketing more than 600,000 pounds of milk tripled, increasing from 867 to 2,630. This latter group accounted for 11 percent in milk receipts in May 1990, 38 percent in May 2001. (See tables 1 and 4.)

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Table 1—Number of Producers, Producer Receipts, and Average Milk Receipts Per Producer for All Federal Milk Orders Combined, by Milk Receipt Size Group, May 2001

Milk receipt size groups (Pounds) 1/	Producers			Producer Receipts			
	Number	Percent	Cumulative Percent	Thousand Pounds	Percent	Cumulative Percent	Average receipts in pounds
Up to 49,999	17,947	27.2	27.2	515,731	4.8	4.8	28,736
50,000-99,999	22,455	34.0	61.2	1,641,694	15.4	20.3	73,110
100,000-249,999	18,263	27.7	88.9	2,734,535	25.7	45.9	149,731
250,000-399,999	3,249	4.9	93.8	1,009,344	9.5	55.4	310,663
400,000-599,999	1,477	2.2	96.0	715,721	6.7	62.1	484,577
600,000-999,999	1,202	1.8	97.8	915,842	8.6	70.7	761,932
1,000,000-1,499,999	576	0.9	98.7	701,656	6.6	77.3	1,218,152
1,500,000-2,499,999	479	0.7	99.4	919,009	8.6	85.9	1,918,599
2,500,000-4,999,999	298	0.5	99.9	1,006,805	9.5	95.4	3,378,541
5,000,000 or more	75	0.1	100	489,918	4.6	100	6,532,246
Total 2/	66,021	100	---	10,650,255	100	---	161,316

1/ These milk receipt size groups can be converted to approximate herd-size groups by assuming that the U.S. average milk production per cow of 1,592 pounds in May 2001 is representative for these producers. For example, the “up to 49,999” milk receipt size group would convert to a “1-31” herd size group (1-31 cows).

2/ Totals and Cumulative Percents may not add due to rounding.

Table 2--Number of Producers, Volume of Producer Milk Receipts, and Average Milk Receipts Per Producer, Based on Milk Marketed Under Federal Orders, by Milk Receipt Size Group, by State, May 2001 1/

Milk receipt size groups (pounds)	Producers		Producer Receipts			Milk receipt size groups (pounds)	Producers		Producer Receipts		
	Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)		Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)
<u>ALABAMA</u>						<u>CALIFORNIA</u>					
Up to 50,000	18	13.3	569	2.0	31,576	Up to 50,000	20	5.1	409	0.1	20,462
50,000-99,999	35	25.9	2,655	9.5	75,849	50,000-99,999	18	4.6	1,414	0.4	78,546
100,000-249,999	43	31.9	6,659	23.9	154,858	100,000-249,999	52	13.3	9,052	2.3	174,086
250,000-399,999	27	20.0	8,660	31.0	320,740	250,000-399,999	57	14.6	18,350	4.6	321,933
400,000-599,999	3	2.2	1,486	5.3	495,418	400,000-599,999	47	12.0	23,216	5.8	493,957
600,000-999,999	3/ 9	6.7	7,874	28.2	874,882	600,000-999,999	59	15.1	45,553	11.4	772,080
1,000,000-1,499,999	4/ ---	---	---	---	---	1,000,000-1,499,999	52	13.3	64,147	16.1	1,233,597
1,500,000-2,499,999	0	0	0	0	0	1,500,000-2,499,999	50	12.8	93,714	23.5	1,874,287
2,500,000-4,999,999	0	0	0	0	0	2,500,000-4,999,999	29	7.4	95,733	24.0	3,301,121
5,000,000 or more	0	0	0	0	0	5,000,000 or more	7	1.8	47,931	12.0	6,847,223
Total 5/	135	100	27,902	100	206,683	Total 5/	391	100	399,519	100	1,021,788
<u>ARIZONA</u>						<u>COLORADO</u>					
Up to 50,000	0	0	0	0	0	Up to 50,000	15	8.3	186	0.1	12,427
50,000-99,999	0	0	0	0	0	50,000-99,999	17	9.4	1,063	0.7	62,523
100,000-249,999	3	2.7	483	0.2	161,001	100,000-249,999	37	20.4	5,774	3.6	156,049
250,000-399,999	1	0.9	294	0.1	294,177	250,000-399,999	20	11.1	6,149	3.9	307,455
400,000-599,999	6	5.3	3,099	1.2	516,580	400,000-599,999	15	8.3	7,527	4.7	501,803
600,000-999,999	20	17.7	15,586	6.0	779,281	600,000-999,999	24	13.3	18,868	11.9	786,167
1,000,000-1,499,999	18	15.9	22,297	8.6	1,238,729	1,000,000-1,499,999	21	11.6	25,725	16.2	1,224,996
1,500,000-2,499,999	25	22.1	51,149	19.7	2,045,968	1,500,000-2,499,999	19	10.5	37,745	23.8	1,986,590
2,500,000-4,999,999	30	26.5	96,124	37.1	3,204,122	2,500,000-4,999,999	9	5.0	28,882	18.2	3,209,149
5,000,000 or more	10	8.9	70,348	27.1	7,034,808	5,000,000 or more	4	2.2	26,832	16.9	6,707,939
Total 5/	113	100	259,380	100	2,295,401	Total 5/	181	100	158,751	100	877,080
<u>ARKANSAS</u>						<u>CONNECTICUT</u>					
Up to 50,000	100	27.2	3,157	7.7	31,569	Up to 50,000	39	19.3	943	2.4	24,183
50,000-99,999	132	35.9	9,772	23.9	74,030	50,000-99,999	47	23.3	3,387	8.5	72,058
100,000-249,999	112	30.4	16,710	40.8	149,198	100,000-249,999	69	34.2	10,963	27.6	158,880
250,000-399,999	19	5.2	5,786	14.1	304,533	250,000-399,999	22	10.9	6,956	17.5	316,168
400,000-599,999	1	0.3	418	1.0	417,973	400,000-599,999	15	7.4	6,974	17.6	464,948
600,000-999,999	3/ 4	1.1	5,128	12.5	1,281,907	600,000-999,999	5	2.5	3,789	9.5	757,767
1,000,000-1,499,999	0	0	0	0	0	1,000,000-1,499,999	3/ 5	2.5	6,712	16.9	1,342,436
1,500,000-2,499,999	4/ ---	---	---	---	---	1,500,000-2,499,999	4/ ---	---	---	---	---
2,500,000-4,999,999	0	0	0	0	0	2,500,000-4,999,999	0	0	0	0	0
5,000,000 or more	0	0	0	0	0	5,000,000 or more	0	0	0	0	0
Total 5/	368	100	40,971	100	111,334	Total 5/	202	100	39,724	100	196,651

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Table 2--Number of Producers, Volume of Producer Milk Receipts, and Average Milk Receipts Per Producer, Based on Milk Marketed Under Federal Orders, by Milk Receipt Size Group, by State, May 2001 1/ -Con

Milk receipt size groups (pounds)	Producers		Producer Receipts			Milk receipt size groups (pounds)	Producers		Producer Receipts		
	Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)		Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)
	<u>DELAWARE</u>						<u>IDAHO</u>				
Up to 50,000	29	34.5	1,010	7.7	34,829	Up to 50,000	192	26.8	4,503	1.2	23,456
50,000-99,999	20	23.8	1,319	10.1	65,929	50,000-99,999	130	18.2	9,245	2.6	71,116
100,000-249,999	23	27.4	4,130	31.7	179,548	100,000-249,999	138	19.3	21,545	6.0	156,120
250,000-399,999	5	6.0	1,762	13.5	352,367	250,000-399,999	59	8.2	19,387	5.4	328,585
400,000-599,999	4	4.8	2,063	15.8	515,847	400,000-599,999	42	5.9	20,287	5.6	483,021
600,000-999,999	3/ 3	3.6	2,761	21.2	920,335	600,000-999,999	58	8.1	47,021	13.0	810,713
1,000,000-1,499,999	4/ ---	---	---	---	---	1,000,000-1,499,999	21	2.9	24,739	6.8	1,178,054
1,500,000-2,499,999	0	0	0	0	0	1,500,000-2,499,999	50	7.0	99,055	27.4	1,981,092
2,500,000-4,999,999	0	0	0	0	0	2,500,000-4,999,999	17	2.4	59,076	16.3	3,475,069
5,000,000 or more	0	0	0	0	0	5,000,000 or more	9	1.3	57,076	15.8	6,341,794
Total 5/	84	100	13,044	100	155,291	Total 5/	716	100	361,934	100	505,494
	<u>FLORIDA</u>						<u>ILLINOIS</u>				
Up to 50,000	34	13.2	607	0.3	17,856	Up to 50,000	384	29.6	8,329	5.4	21,689
50,000-99,999	15	5.8	1,161	0.5	77,368	50,000-99,999	372	28.7	27,191	17.6	73,095
100,000-249,999	35	13.6	6,221	2.7	177,740	100,000-249,999	418	32.3	63,681	41.2	152,346
250,000-399,999	21	8.1	6,698	2.9	318,958	250,000-399,999	75	5.8	22,836	14.8	304,481
400,000-599,999	35	13.6	17,775	7.6	507,866	400,000-599,999	28	2.2	13,366	8.7	477,341
600,000-999,999	41	15.9	32,441	13.9	791,256	600,000-999,999	11	0.8	8,528	5.5	775,275
1,000,000-1,499,999	28	10.9	33,855	14.5	1,209,116	1,000,000-1,499,999	3/ 8	0.6	10,511	6.8	1,313,870
1,500,000-2,499,999	27	10.5	52,002	22.3	1,926,006	1,500,000-2,499,999	4/ ---	---	---	---	---
2,500,000-4,999,999	3/ 22	8.5	82,346	35.3	3,742,855	2,500,000-4,999,999	0	0	0	0	0
5,000,000 or more	4/ ---	---	---	---	---	5,000,000 or more	0	0	0	0	0
Total 5/	258	100	233,104	100	903,503	Total 5/	1,296	100	154,441	100	119,168
	<u>GEORGIA</u>						<u>INDIANA</u>				
Up to 50,000	125	24.2	3,156	2.7	25,246	Up to 50,000	685	43.2	17,247	9.0	25,179
50,000-99,999	97	18.8	7,406	6.4	76,351	50,000-99,999	435	27.4	31,597	16.5	72,637
100,000-249,999	168	32.6	27,227	23.5	162,064	100,000-249,999	354	22.3	53,651	28.1	151,557
250,000-399,999	57	11.0	17,112	14.8	300,203	250,000-399,999	49	3.1	14,787	7.7	301,778
400,000-599,999	33	6.4	15,199	13.1	460,566	400,000-599,999	23	1.5	11,105	5.8	482,837
600,000-999,999	17	3.3	12,453	10.8	732,553	600,000-999,999	14	0.9	10,717	5.6	765,484
1,000,000-1,499,999	10	1.9	12,333	10.6	1,233,256	1,000,000-1,499,999	12	0.8	13,752	7.2	1,145,961
1,500,000-2,499,999	3/ 9	1.7	20,951	18.1	2,327,915	1,500,000-2,499,999	8	0.5	14,406	7.5	1,800,741
2,500,000-4,999,999	4/ ---	---	---	---	---	2,500,000-4,999,999	3/ 6	0.4	23,681	12.4	3,946,797
5,000,000 or more	0	0	0	0	0	5,000,000 or more	4/ ---	---	---	---	---
Total 5/	516	100	115,836	100	224,488	Total 5/	1,586	100	190,943	100	120,393

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Table 2--Number of Producers, Volume of Producer Milk Receipts, and Average Milk Receipts Per Producer, Based on Milk Marketed Under Federal Orders, by Milk Receipt Size Group, by State, May 2001 1/ -Con

Milk receipt size groups (pounds)	Producers		Producer Receipts			Milk receipt size groups (pounds)	Producers		Producer Receipts		
	Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)		Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)
	<u>IOWA</u>						<u>LOUISIANA</u>				
Up to 50,000	728	30.7	18,234	6.4	25,047	Up to 50,000	62	14.4	1,780	3.1	28,710
50,000-99,999	797	33.6	58,587	20.5	73,510	50,000-99,999	129	30.0	10,032	17.5	77,769
100,000-249,999	676	28.5	99,428	34.7	147,082	100,000-249,999	196	45.6	30,378	52.9	154,992
250,000-399,999	91	3.8	28,103	9.8	308,827	250,000-399,999	35	8.1	10,896	19.0	311,313
400,000-599,999	34	1.4	16,640	5.8	489,405	400,000-599,999	5	1.2	2,289	4.0	457,734
600,000-999,999	26	1.1	18,999	6.6	730,749	600,000-999,999	3	0.7	2,020	3.5	673,257
1,000,000-1,499,999	13	0.5	16,737	5.8	1,287,486	1,000,000-1,499,999	0	0	0	0	0
1,500,000-2,499,999	2	0.1	4,342	1.5	2,171,153	1,500,000-2,499,999	0	0	0	0	0
2,500,000-4,999,999	3/ 6	0.3	25,065	8.8	4,177,543	2,500,000-4,999,999	0	0	0	0	0
5,000,000 or more	4/ ---	---	---	---	---	5,000,000 or more	0	0	0	0	0
Total 5/	2,373	100	286,136	100	120,580	Total 5/	430	100	57,395	100	133,477
	<u>KANSAS</u>						<u>MAINE</u>				
Up to 50,000	201	32.4	4,120	3.2	20,500	Up to 50,000	143	31.4	4,507	8.0	31,517
50,000-99,999	177	28.5	13,042	10.1	73,686	50,000-99,999	162	35.5	11,684	20.9	72,126
100,000-249,999	187	30.1	27,828	21.6	148,812	100,000-249,999	99	21.7	14,742	26.3	148,908
250,000-399,999	26	4.2	7,707	6.0	296,421	250,000-399,999	31	6.8	9,626	17.2	310,512
400,000-599,999	7	1.1	3,423	2.7	489,067	400,000-599,999	9	2.0	4,300	7.7	477,818
600,000-999,999	6	1.0	4,477	3.5	746,222	600,000-999,999	9	2.0	6,329	11.3	703,197
1,000,000-1,499,999	2	0.3	2,525	2.0	1,262,367	1,000,000-1,499,999	3/ 3	0.7	4,821	8.6	1,606,835
1,500,000-2,499,999	5	0.8	10,343	8.0	2,068,667	1,500,000-2,499,999	4/ ---	---	---	---	---
2,500,000-4,999,999	4	0.6	15,793	12.3	3,948,220	2,500,000-4,999,999	0	0	0	0	0
5,000,000 or more	6	1.0	39,431	30.6	6,571,899	5,000,000 or more	0	0	0	0	0
Total 5/	621	100	128,691	100	207,232	Total 5/	456	100	56,009	100	122,826
	<u>KENTUCKY</u>						<u>MARYLAND</u>				
Up to 50,000	652	36.8	19,520	13.0	29,938	Up to 50,000	138	18.6	4,570	4.1	33,115
50,000-99,999	650	36.6	46,756	31.1	71,933	50,000-99,999	200	27.0	15,122	13.6	75,610
100,000-249,999	409	23.1	60,016	39.9	146,739	100,000-249,999	304	41.0	47,631	42.7	156,680
250,000-399,999	48	2.7	14,898	9.9	310,383	250,000-399,999	70	9.4	20,863	18.7	298,048
400,000-599,999	9	0.5	4,122	2.7	457,965	400,000-599,999	18	2.4	8,934	8.0	496,355
600,000-999,999	3/ 6	0.3	5,096	3.4	849,334	600,000-999,999	7	0.9	5,683	5.1	811,887
1,000,000-1,499,999	4/ ---	---	---	---	---	1,000,000-1,499,999	3/ 5	0.7	8,615	7.7	1,723,050
1,500,000-2,499,999	0	0	0	0	0	1,500,000-2,499,999	4/ ---	---	---	---	---
2,500,000-4,999,999	0	0	0	0	0	2,500,000-4,999,999	4/ ---	---	---	---	---
5,000,000 or more	0	0	0	0	0	5,000,000 or more	0	0	0	0	0
Total 5/	1,774	100	150,409	100	84,785	Total 5/	742	100	111,419	100	150,160

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Table 2--Number of Producers, Volume of Producer Milk Receipts, and Average Milk Receipts Per Producer, Based on Milk Marketed Under Federal Orders, by Milk Receipt Size Group, by State, May 2001 1/ -Con

Milk receipt size groups (pounds)	Producers		Producer Receipts			Milk receipt size groups (pounds)	Producers		Producer Receipts		
	Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)		Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)
<u>MASSACHUSETTS</u>						<u>MISSISSIPPI</u>					
Up to 50,000	60	25.4	1,922	6.5	32,038	Up to 50,000	49	15.6	1,330	2.9	27,136
50,000-99,999	75	31.8	5,309	18.0	70,782	50,000-99,999	98	31.2	7,297	15.7	74,455
100,000-249,999	78	33.1	12,610	42.9	161,665	100,000-249,999	120	38.2	18,578	40.0	154,815
250,000-399,999	14	5.9	4,333	14.7	309,468	250,000-399,999	39	12.4	12,146	26.2	311,429
400,000-599,999	3/ 9	3.8	5,238	17.8	581,989	400,000-599,999	2	0.6	951	2.0	475,410
600,000-999,999	4/ ---	---	---	---	---	600,000-999,999	3/ 6	1.9	6,106	13.2	1,017,688
1,000,000-1,499,999	4/ ---	---	---	---	---	1,000,000-1,499,999	4/ ---	---	---	---	---
1,500,000-2,499,999	0	0	0	0	0	1,500,000-2,499,999	4/ ---	---	---	---	---
2,500,000-4,999,999	0	0	0	0	0	2,500,000-4,999,999	0	0	0	0	0
5,000,000 or more	0	0	0	0	0	5,000,000 or more	0	0	0	0	0
Total 5/	236	100	29,411	100	124,624	Total 5/	314	100	46,407	100	147,792
<u>MICHIGAN</u>						<u>MISSOURI</u>					
Up to 50,000	887	35.5	24,533	6.4	27,658	Up to 50,000	504	28.8	15,220	9.3	30,198
50,000-99,999	614	24.6	43,901	11.5	71,500	50,000-99,999	689	39.4	49,391	30.2	71,685
100,000-249,999	637	25.5	98,976	25.9	155,378	100,000-249,999	493	28.2	72,007	44.0	146,059
250,000-399,999	189	7.6	58,574	15.3	309,916	250,000-399,999	49	2.8	14,596	8.9	297,876
400,000-599,999	82	3.3	40,101	10.5	489,038	400,000-599,999	7	0.4	3,472	2.1	496,008
600,000-999,999	49	2.0	35,763	9.4	729,847	600,000-999,999	3/ 6	0.3	8,793	5.4	1,465,507
1,000,000-1,499,999	20	0.8	25,042	6.6	1,252,076	1,000,000-1,499,999	4/ ---	---	---	---	---
1,500,000-2,499,999	11	0.4	19,931	5.2	1,811,931	1,500,000-2,499,999	0	0	0	0	0
2,500,000-4,999,999	10	0.4	34,940	9.2	3,494,042	2,500,000-4,999,999	4/ ---	---	---	---	---
5,000,000 or more	0	0	0	0	0	5,000,000 or more	0	0	0	0	0
Total 5/	2,499	100	381,761	100	152,765	Total 5/	1,748	100	163,479	100	93,523
<u>MINNESOTA</u>						<u>NEBRASKA</u>					
Up to 50,000	2,128	32.3	61,739	9.0	29,013	Up to 50,000	144	28.5	3,253	3.5	22,589
50,000-99,999	2,505	38.1	181,561	26.3	72,479	50,000-99,999	146	28.9	10,717	11.5	73,407
100,000-249,999	1,565	23.8	225,712	32.7	144,225	100,000-249,999	150	29.6	23,112	24.8	154,077
250,000-399,999	182	2.8	56,627	8.2	311,139	250,000-399,999	30	5.9	9,380	10.0	312,669
400,000-599,999	99	1.5	47,001	6.8	474,756	400,000-599,999	12	2.4	5,431	5.8	452,562
600,000-999,999	58	0.9	43,613	6.3	751,954	600,000-999,999	10	2.0	7,620	8.2	761,979
1,000,000-1,499,999	21	0.3	25,359	3.7	1,207,574	1,000,000-1,499,999	6	1.2	7,314	7.8	1,219,002
1,500,000-2,499,999	18	0.3	32,680	4.7	1,815,555	1,500,000-2,499,999	4	0.8	8,097	8.7	2,024,204
2,500,000-4,999,999	5	0.1	15,134	2.2	3,026,704	2,500,000-4,999,999	3/ 4	0.8	18,431	19.7	4,607,791
5,000,000 or more	0	0	0	0	0	5,000,000 or more	4/ ---	---	---	---	---
Total 5/	6,581	100	689,426	100	104,760	Total 5/	506	100	93,354	100	184,495

Continued

Table 2--Number of Producers, Volume of Producer Milk Receipts, and Average Milk Receipts Per Producer, Based on Milk Marketed Under Federal Orders, by Milk Receipt Size Group, by State, May 2001 1/ -Con

Milk receipt size groups (pounds)	Producers		Producer Receipts			Milk receipt size groups (pounds)	Producers		Producer Receipts		
	Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)		Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)
	<u>NEW HAMPSHIRE</u>						<u>NEW YORK</u>				
Up to 50,000	21	12.6	575	2.1	27,415	Up to 50,000	1,768	26.5	53,306	5.5	30,150
50,000-99,999	59	35.3	4,175	15.0	70,765	50,000-99,999	2,295	34.3	167,661	17.4	73,055
100,000-249,999	61	36.5	9,620	34.6	157,697	100,000-249,999	1,930	28.9	287,640	29.8	149,036
250,000-399,999	11	6.6	3,541	12.8	321,948	250,000-399,999	290	4.3	89,839	9.3	309,789
400,000-599,999	9	5.4	4,307	15.5	478,597	400,000-599,999	168	2.5	81,745	8.5	486,577
600,000-999,999	3/ 6	3.6	5,548	20.0	924,723	600,000-999,999	121	1.8	92,704	9.6	766,145
1,000,000-1,499,999	0	0	0	0	0	1,000,000-1,499,999	61	0.9	76,090	7.9	1,247,385
1,500,000-2,499,999	4/ ---	---	---	---	---	1,500,000-2,499,999	38	0.6	71,009	7.4	1,868,666
2,500,000-4,999,999	0	0	0	0	0	2,500,000-4,999,999	3/ 13	0.2	44,368	4.6	3,412,919
5,000,000 or more	0	0	0	0	0	5,000,000 or more	4/ ---	---	---	---	---
Total 5/	167	100	27,768	100	166,273	Total 5/	6,684	100	964,362	100	144,279
	<u>NEW JERSEY</u>						<u>NORTH CAROLINA</u>				
Up to 50,000	30	19.7	937	4.7	31,248	Up to 50,000	65	14.9	1,716	1.8	26,405
50,000-99,999	49	32.2	3,643	18.1	74,349	50,000-99,999	75	17.2	5,870	6.3	78,270
100,000-249,999	57	37.5	8,234	41.0	144,454	100,000-249,999	185	42.5	30,411	32.4	164,382
250,000-399,999	10	6.6	3,284	16.3	328,374	250,000-399,999	64	14.7	19,794	21.1	309,282
400,000-599,999	2	1.3	950	4.7	475,246	400,000-599,999	26	6.0	12,354	13.2	475,150
600,000-999,999	4	2.6	3,056	15.2	763,984	600,000-999,999	10	2.3	7,202	7.7	720,210
1,000,000-1,499,999	0	0	0	0	0	1,000,000-1,499,999	4	0.9	4,605	4.9	1,151,310
1,500,000-2,499,999	0	0	0	0	0	1,500,000-2,499,999	6	1.4	11,786	12.6	1,964,411
2,500,000-4,999,999	0	0	0	0	0	2,500,000-4,999,999	0	0	0	0	0
5,000,000 or more	0	0	0	0	0	5,000,000 or more	0	0	0	0	0
Total 5/	152	100	20,105	100	132,267	Total 5/	435	100	93,739	100	215,492
	<u>NEW MEXICO</u>						<u>NORTH DAKOTA</u>				
Up to 50,000	0	0	0	0	0	Up to 50,000	74	31.2	2,222	8.7	30,026
50,000-99,999	2	1.2	118	6/	58,891	50,000-99,999	96	40.5	7,043	27.4	73,369
100,000-249,999	9	5.4	1,653	0.4	183,661	100,000-249,999	57	24.1	7,674	29.9	134,633
250,000-399,999	4	2.4	1,320	0.3	329,882	250,000-399,999	3	1.3	903	3.5	301,033
400,000-599,999	8	4.8	3,839	0.8	479,877	400,000-599,999	2	0.8	832	3.2	415,916
600,000-999,999	12	7.1	10,195	2.2	849,609	600,000-999,999	1	0.4	863	3.4	863,466
1,000,000-1,499,999	13	7.7	16,390	3.5	1,260,779	1,000,000-1,499,999	3/ 4	1.7	6,140	23.9	1,534,988
1,500,000-2,499,999	34	20.2	69,422	14.8	2,041,813	1,500,000-2,499,999	4/ ---	---	---	---	---
2,500,000-4,999,999	68	40.5	250,981	53.3	3,690,898	2,500,000-4,999,999	0	0	0	0	0
5,000,000 or more	18	10.7	116,680	24.8	6,482,233	5,000,000 or more	0	0	0	0	0
Total 5/	168	100	470,598	100	2,768,222	Total 5/	237	100	25,678	100	108,345

Continued

Table 2--Number of Producers, Volume of Producer Milk Receipts, and Average Milk Receipts Per Producer, Based on Milk Marketed Under Federal Orders, by Milk Receipt Size Group, by State, May 2001 1/ -Con

Milk receipt size groups (pounds)	Producers		Producer Receipts			Milk receipt size groups (pounds)	Producers		Producer Receipts		
	Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)		Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)
<u>OHIO</u>						<u>PENNSYLVANIA</u>					
Up to 50,000	836	30.6	25,103	7.8	30,027	Up to 50,000	1,780	21.4	58,379	6.7	32,797
50,000-99,999	895	32.7	64,613	20.2	72,193	50,000-99,999	3,846	46.3	282,645	32.6	73,491
100,000-249,999	765	28.0	116,179	36.3	151,868	100,000-249,999	2,282	27.5	333,338	38.5	146,073
250,000-399,999	142	5.2	43,261	13.5	304,652	250,000-399,999	249	3.0	77,345	8.9	310,623
400,000-599,999	49	1.8	24,466	7.6	499,304	400,000-599,999	80	1.0	38,464	4.4	480,798
600,000-999,999	33	1.2	24,528	7.7	743,261	600,000-999,999	51	0.6	37,786	4.4	740,897
1,000,000-1,499,999	6	0.2	6,823	2.1	1,137,163	1,000,000-1,499,999	14	0.2	16,509	1.9	1,179,183
1,500,000-2,499,999	3/ 8	0.3	15,327	4.8	1,915,902	1,500,000-2,499,999	3/ 10	0.1	21,894	2.5	2,189,445
2,500,000-4,999,999	4/ ---	---	---	---	---	2,500,000-4,999,999	4/ ---	---	---	---	---
5,000,000 or more	0	0	0	0	0	5,000,000 or more	0	0	0	0	0
Total 5/	2,734	100	320,299	100	117,154	Total 5/	8,312	100	866,360	100	104,230
<u>OKLAHOMA</u>						<u>SOUTH CAROLINA</u>					
Up to 50,000	94	19.7	2,981	4.1	31,715	Up to 50,000	10	8.2	308	0.9	30,760
50,000-99,999	148	31.0	10,917	14.9	73,762	50,000-99,999	21	17.2	1,602	4.8	76,305
100,000-249,999	188	39.3	29,103	39.7	154,801	100,000-249,999	36	29.5	6,029	17.9	167,472
250,000-399,999	29	6.1	8,904	12.2	307,043	250,000-399,999	28	23.0	9,077	26.9	324,174
400,000-599,999	10	2.1	5,125	7.0	512,536	400,000-599,999	17	13.9	8,087	24.0	475,728
600,000-999,999	5	1.0	4,193	5.7	838,630	600,000-999,999	3/10	8.2	8,625	25.6	862,518
1,000,000-1,499,999	1	0.2	1,044	1.4	1,044,312	1,000,000-1,499,999	4/ ---	---	---	---	---
1,500,000-2,499,999	3/ 3	0.6	10,999	15.0	3,666,297	1,500,000-2,499,999	0	0	0	0	0
2,500,000-4,999,999	0	0	0	0	0	2,500,000-4,999,999	0	0	0	0	0
5,000,000 or more	4/ ---	---	---	---	---	5,000,000 or more	0	0	0	0	0
Total 5/	478	100	73,267	100	153,277	Total 5/	122	100	33,728	100	276,462
<u>OREGON</u>						<u>SOUTH DAKOTA</u>					
Up to 50,000	40	11.3	903	0.6	22,586	Up to 50,000	164	25.2	4,999	5.0	30,482
50,000-99,999	33	9.3	2,505	1.8	75,901	50,000-99,999	232	35.6	17,023	17.1	73,377
100,000-249,999	121	34.2	20,438	14.6	168,911	100,000-249,999	192	29.4	29,045	29.2	151,276
250,000-399,999	64	18.1	20,309	14.5	317,327	250,000-399,999	25	3.8	7,475	7.5	299,010
400,000-599,999	36	10.2	17,012	12.2	472,565	400,000-599,999	17	2.6	8,215	8.3	483,220
600,000-999,999	31	8.8	23,309	16.6	751,889	600,000-999,999	8	1.2	5,600	5.6	699,964
1,000,000-1,499,999	12	3.4	14,474	10.3	1,206,170	1,000,000-1,499,999	8	1.2	10,313	10.4	1,289,145
1,500,000-2,499,999	9	2.5	16,051	11.5	1,783,431	1,500,000-2,499,999	2	0.3	3,394	3.4	1,696,875
2,500,000-4,999,999	8	2.3	25,021	17.9	3,127,617	2,500,000-4,999,999	4	0.6	13,351	13.4	3,337,834
5,000,000 or more	0	0	0	0	0	5,000,000 or more	0	0	0	0	0
Total 5/	354	100	140,022	100	395,543	Total 5/	652	100	99,415	100	152,478

Continued

Table 2--Number of Producers, Volume of Producer Milk Receipts, and Average Milk Receipts Per Producer, Based on Milk Marketed Under Federal Orders, by Milk Receipt Size Group, by State, May 2001 1/ -Con

Milk receipt size groups (pounds)	Producers		Producer Receipts			Milk receipt size groups (pounds)	Producers		Producer Receipts		
	Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)		Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)
	<u>TENNESSEE</u>						<u>VERMONT</u>				
Up to 50,000	220	23.2	6,471	5.4	29,414	Up to 50,000	326	22.0	10,303	4.4	31,605
50,000-99,999	295	31.1	21,865	18.2	74,118	50,000-99,999	456	30.8	33,377	14.4	73,196
100,000-249,999	327	34.5	50,756	42.3	155,217	100,000-249,999	479	32.4	72,006	31.0	150,325
250,000-399,999	82	8.6	25,953	21.6	316,501	250,000-399,999	113	7.6	35,367	15.2	312,986
400,000-599,999	15	1.6	7,115	5.9	474,329	400,000-599,999	45	3.0	21,819	9.4	484,866
600,000-999,999	3/ 9	0.9	7,861	6.6	873,497	600,000-999,999	36	2.4	26,524	11.4	736,784
1,000,000-1,499,999	4/ ---	---	---	---	---	1,000,000-1,499,999	17	1.1	20,303	8.7	1,194,323
1,500,000-2,499,999	0	0	0	0	0	1,500,000-2,499,999	7	0.5	12,703	5.5	1,814,761
2,500,000-4,999,999	0	0	0	0	0	2,500,000-4,999,999	0	0	0	0	0
5,000,000 or more	0	0	0	0	0	5,000,000 or more	0	0	0	0	0
Total 5/	948	100	120,021	100	126,605	Total 5/	1,479	100	232,403	100	157,136
	<u>TEXAS</u>						<u>VIRGINIA</u>				
Up to 50,000	84	8.4	2,685	0.6	31,966	Up to 50,000	148	16.0	3,873	2.8	26,170
50,000-99,999	125	12.6	9,449	2.0	75,595	50,000-99,999	196	21.2	14,718	10.5	75,093
100,000-249,999	347	34.9	57,940	12.3	166,973	100,000-249,999	448	48.5	70,276	50.0	156,865
250,000-399,999	141	14.2	44,784	9.5	317,615	250,000-399,999	96	10.4	29,503	21.0	307,324
400,000-599,999	86	8.6	42,063	9.0	489,102	400,000-599,999	21	2.3	9,729	6.9	463,301
600,000-999,999	107	10.8	80,931	17.2	756,365	600,000-999,999	10	1.1	7,522	5.4	752,213
1,000,000-1,499,999	35	3.5	43,444	9.3	1,241,249	1,000,000-1,499,999	4	0.4	4,940	3.5	1,235,015
1,500,000-2,499,999	42	4.2	81,504	17.4	1,940,575	1,500,000-2,499,999	0	0	0	0	0
2,500,000-4,999,999	23	2.3	77,845	16.6	3,384,561	2,500,000-4,999,999	0	0	0	0	0
5,000,000 or more	5	0.5	28,571	6.1	5,714,233	5,000,000 or more	0	0	0	0	0
Total 5/	995	100	469,216	100	471,574	Total 5/	923	100	140,562	100	152,288
	<u>UTAH</u>						<u>WASHINGTON</u>				
Up to 50,000	76	15.9	1,917	1.5	25,220	Up to 50,000	29	4.4	961	0.2	33,148
50,000-99,999	113	23.6	8,533	6.6	75,512	50,000-99,999	35	5.4	2,699	0.6	77,103
100,000-249,999	150	31.3	24,254	18.8	161,694	100,000-249,999	164	25.1	28,306	6.2	172,599
250,000-399,999	57	11.9	17,682	13.7	310,203	250,000-399,999	102	15.6	32,359	7.1	317,243
400,000-599,999	32	6.7	15,363	11.9	480,082	400,000-599,999	82	12.6	40,023	8.7	488,081
600,000-999,999	28	5.8	20,893	16.2	746,169	600,000-999,999	104	15.9	79,647	17.4	765,839
1,000,000-1,499,999	13	2.7	16,109	12.5	1,239,119	1,000,000-1,499,999	56	8.6	68,116	14.9	1,216,363
1,500,000-2,499,999	5	1.0	9,847	7.6	1,969,388	1,500,000-2,499,999	53	8.1	98,317	21.5	1,855,037
2,500,000-4,999,999	5	1.0	14,675	11.4	2,935,076	2,500,000-4,999,999	21	3.2	66,625	14.6	3,172,622
5,000,000 or more	0	0	0	0	0	5,000,000 or more	7	1.1	40,661	8.9	5,808,669
Total 5/	479	100	129,271	100	269,878	Total 5/	653	100	457,714	100	700,940

Continued

Table 2--Number of Producers, Volume of Producer Milk Receipts, and Average Milk Receipts Per Producer, Based on Milk Marketed Under Federal Orders, by Milk Receipt Size Group, by State, May 2001 1/ -Con

Milk receipt size groups (pounds)	Producers		Producer Receipts			Milk receipt size groups (pounds)	Producers		Producer Receipts		
	Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)		Number	Percent	1,000 pounds	Percent	Average 2/ (pounds)
	<u>WEST VIRGINIA</u>						<u>WISCONSIN</u>				
Up to 50,000	56	32.0	1,513	7.9	27,014	Up to 50,000	4,779	30.4	135,591	7.7	28,372
50,000-99,999	51	29.1	3,648	18.9	71,522	50,000-99,999	5,866	37.3	429,451	24.5	73,210
100,000-249,999	51	29.1	7,945	41.3	155,775	100,000-249,999	4,040	25.7	585,433	33.5	144,909
250,000-399,999	12	6.9	3,638	18.9	303,134	250,000-399,999	510	3.2	158,142	9.0	310,083
400,000-599,999	3/ 5	2.9	2,516	13.1	503,196	400,000-599,999	225	1.4	109,879	6.3	488,352
600,000-999,999	4/ ---	---	---	---	---	600,000-999,999	178	1.1	136,412	7.8	766,358
1,000,000-1,499,999	0	0	0	0	0	1,000,000-1,499,999	77	0.5	90,785	5.2	1,179,032
1,500,000-2,499,999	0	0	0	0	0	1,500,000-2,499,999	30	0.2	55,975	3.2	1,865,846
2,500,000-4,999,999	0	0	0	0	0	2,500,000-4,999,999	3/ 14	0.1	48,451	2.8	3,460,800
5,000,000 or more	0	0	0	0	0	5,000,000 or more	4/ ---	---	---	---	---
Total 5/	175	100	19,258	100	110,048	Total 5/	15,719	100	1,750,120	100	111,338

1/ Total receipts of milk from producers located in each State by handlers regulated under Federal milk orders. The plants to which milk from a particular State is delivered are not located necessarily in that State. Data for the following States are not shown either because there was a small number of producers marketing milk under Federal orders or the data is administratively confidential; Montana, Nevada, Rhode Island, and Wyoming. Data for Alaska and Hawaii are not shown as none of the producers in these States marketed milk under Federal orders. 2/ Average milk receipts per producer. Figures are computed using unrounded numbers. 3/ Includes data for the next larger size group. See 4/. 4/ There were fewer than three producers in this size group; therefore, the data were considered to be potentially confidential. The data have been included with the next smaller size group. 5/ Totals may not add due to rounding. 6/ Less than 0.05 percent.

Table 3—For Dairy Farmers Marketing Milk Under Federal Orders: Average Milk Receipts Per Producer, Average Number of Milk Cows Per Farm, and Receipts as a Proportion of State Milk Marketings, By State, May 2001

State 1/	Average milk receipts per producer	Average number of milk cows per farm 2/	Order receipts as a percent of State marketings 3/	State 1/	Average milk receipts per producer	Average number of milk cows per farm 2/	Order receipts as a percent of State marketings 3/
	<u>Pounds</u>	<u>Number</u>	<u>Percent</u>		<u>Pounds</u>	<u>Number</u>	<u>Percent</u>
Alabama	206,683	159	100	New Hampshire	166,273	108	98
Arizona	2,295,401	1,241	100	New Jersey	132,267	91	95
Arkansas	111,334	101	99	New Mexico	2,768,222	1,480	95
California	1,021,788	560	12	New York	144,279	94	95
Colorado	877,080	471	97	North Carolina	215,492	144	93
Connecticut	196,651	120	97	North Dakota	108,345	85	64
Delaware	155,291	110	94	Ohio	117,154	77	96
Florida	903,503	610	100	Oklahoma	153,277	121	59
Georgia	224,488	147	95	Oregon	395,543	249	96
Idaho	505,494	276	48	Pennsylvania	104,230	65	92
Illinois	119,167	74	91	Rhode Island	90,805	64	86
Indiana	120,393	78	96	South Carolina	276,462	176	99
Iowa	120,580	75	88	South Dakota	152,478	107	72
Kansas	207,232	142	100	Tennessee	126,605	97	99
Kentucky	84,785	71	100	Texas	471,574	329	97
Louisiana	133,477	131	99	Utah	296,878	196	95
Maine	122,826	84	97	Vermont	157,136	102	100
Maryland	150,160	110	96	Virginia	152,288	108	82
Massachusetts	124,624	83	94	Washington	700,940	359	92
Michigan	152,765	91	91	West Virginia	110,048	81	86
Minnesota	104,760	68	94	Wisconsin	111,338	73	98
Mississippi	147,792	112	100				
Missouri	93,523	75	92	All States			
Nebraska	184,495	136	85	Combined	161,316	101	75

1/ Information for Montana, Nevada, and Wyoming is not shown as there was a small number of producers from these States that marketed milk under Federal orders. Information for Alaska and Hawaii is not shown as none of the producers in these States marketed milk under Federal orders.

2/ Average milk receipts per producer divided by average milk production per cow as reported by NASS. For some States, the monthly milk production per cow was estimated from quarterly data.

3/ Figures were computed using annual Federal milk order receipts and annual fluid grade milk marketings reported by NASS. **Note:** NASS statistic now includes milk sold directly to consumers and milk produced by institutional herds. This explains the relatively low figure for Oklahoma where the volume of milk sold by producer handlers is proportionally large.

Table 4—Number of Producers, Producer Receipts, and Average Milk Receipts per Producer for all Federal Milk Orders Combined, by Milk Receipt Size Group, May, 1980, 1985, 1990, and 1995

Milk receipt size Groups (pounds)	1980		1985		1990		1995	
	Number of Producers	Producer Receipts	Number of Producers	Producer Receipts	Number of Producers	Producer Receipts	Number of Producers	Producer Receipts
	<u>Percent of Total</u>							
Up to 19,999	9.4	1.8	7.0	1.2	6.0	0.8	5.7	0.6
20,000 - 29,999	10.6	4.1	8.7	2.9	6.6	1.8	5.6	1.2
30,000 - 49,999	27.8	16.9	24.4	12.9	19.4	8.3	16.5	5.8
50,000 - 69,999	21.7	19.6	22.0	17.1	20.7	13.1	18.4	9.6
70,000 - 99,999	16.4	20.7	18.8	20.5	20.6	18.2	20.6	15.0
100,000 - 149,999	9.0	16.4	11.5	18.0	14.6	18.7	16.6	17.5
150,000 - 249,999	3.7	10.5	5.2	12.7	7.9	15.6	10.0	16.4
250,000 - 399,999	0.9	4.3	1.5	5.9	2.4	7.9	3.6	9.6
400,000 - 599,999	0.3	2.0	0.4	2.8	0.9	4.6	1.3	5.5
600,000 or more	0.2	3.7	0.4	6.0	0.9	11.0	1.6	18.7
Total	100	100	100	100	100	100	100	100
Number of Producers	117,376		115,998		96,298		89,675	
Producer Receipts (1,000 pounds)	7,703,460		8,858,209		9,090,974		10,306,414	
Average milk receipts Per producer (Pounds)	65,631		76,365		94,405		114,931	