

Milk Production



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June Milk Production Up 2 Percent

Milk production in the 21 major States during June totaled 10.8 billion pounds, up 2 percent from production in these same States in June 1991. May revised production, at 11.3 billion pounds was up fractionally from May 1991.

Production per cow in the 21 major States averaged 1,305 pounds for June, 43 pounds above June 1991.

The number of cows on farms in the 21 major States was 8.26 million head, 116 thousand below June 1991 and 6 thousand below May 1992.

During the April-June period, the 21 major States produced 32.9 billion pounds of milk, 84.4 percent of the U.S. production. If the remaining 29 states not surveyed monthly followed the same pattern as the 21 States, the U.S. production would be 12.9 billion for April, 13.3 billion pounds for May, and 12.8 billion for June.

April-June Milk Production Up 1 Percent

The quarterly production of milk for the U.S. was 39.0 billion pounds, 1 percent above the April-June period last year. The average number of milk cows in the U.S. during the April-June quarter was 9.85 million head, 149 thousand less than the same period last year.

Grain and Other Concentrates Fed

Grain and other concentrates fed to milk cows on July 1, 1992, averaged 17.6 pounds per cow, 3 tenths of a pound more than on July 1, 1991.

Value of Grain and Other Concentrates

The value of grain and other concentrates fed to cows on July 1, averaged \$7.82 per hundredweight, \$0.11 more than the July 1, 1991 price.

For information call Daniel Buckner (202) 720-4448. Office hours are 8:00 a.m. to 4:30 p.m. ET.

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Milk Cows and Milk Production: By Quarters, United States, 1991-92

Month	Milk Cows <u>1/</u>		Milk Per Cow <u>2/</u>		Milk Production <u>2/</u>		1992 as % of 1991
	1991	1992	1991	1992	1991	1992	
	---- 1,000 ----		---- Pounds ----		Million Pounds		Percent
Jan-Mar	10,101	9,858	3,705	3,850	37,425	37,958	101
Apr-Jun	9,999	9,850	3,864	3,958	38,633	38,987	101
Jul-Sep	9,940		3,647		36,255		
Oct-Dec	9,918		3,651		36,212		
Annual	9,990		14,867		148,526		

1/ Includes dry cows. Excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.

Milk Cows and Milk Production: By States, Revised May 1991-92

State	Milk Cows <u>1/</u>		Milk Per Cow <u>2/</u>		Milk Production <u>2/</u>		1992 as % of 1991
	1991	1992	1991	1992	1991	1992	
	---- 1,000 ----		--- Pounds ---		Million Pounds		Percent
CA	1,155	1,157	1,635	1,650	1,888	1,909	101
FL	181	182	1,250	1,320	226	240	106
ID	177	184	1,430	1,480	253	272	108
IL	193	187	1,280	1,220	247	228	92
IN	150	144	1,415	1,425	212	205	97
IA	303	307	1,165	1,160	353	356	101
KY	195	182	1,030	1,035	201	188	94
MD	103	98	1,230	1,235	127	121	95
MI	343	338	1,330	1,370	456	463	102
MN	685	660	1,300	1,315	891	868	97
MO	228	228	1,160	1,205	264	275	104
NY	751	740	1,330	1,390	999	1,029	103
NC	99	97	1,365	1,340	135	130	96
OH	337	330	1,280	1,270	431	419	97
PA	659	651	1,345	1,410	886	918	104
TN	194	197	1,010	1,000	196	197	101
TX	383	376	1,295	1,330	496	500	101
VT	164	163	1,305	1,350	214	220	103
VA	139	137	1,290	1,290	179	177	99
WA	235	246	1,660	1,710	390	421	108
WI	1,722	1,658	1,275	1,280	2,196	2,122	97
21 State:							
Total	8,396	8,262	1,339	1,363	11,240	11,258	100

1/ Includes dry cows. Excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.

Milk Cows and Milk Production: By Months, 21 Selected States, 1991-92

State	Milk Cows 1/		Milk Per Cow 2/		Milk Production 2/		1992 as % of 1991
	1991	1992	1991	1992	1991	1992	
	---- 1,000 ----		---- Pounds ----		Million Pounds		Percent
Jan	8,510	8,296	1,251	1,288	10,645	10,684	100
Feb	8,484	8,273	1,169	1,237	9,922	10,230	103
Mar	8,460	8,262	1,310	1,343	11,084	11,092	100
Apr	8,416	8,254	1,297	1,316	10,918	10,866	100
May	8,396	8,262	1,339	1,363	11,240	11,258	100
Jun	8,372	8,256	1,262	1,305	10,567	10,772	102
Jul	8,353		1,254		10,472		
Aug	8,357		1,239		10,352		
Sep	8,350		1,189		9,927		
Oct	8,346		1,224		10,212		
Nov	8,329		1,192		9,926		
Dec	8,322		1,252		10,418		
Annual	8,392		14,977		125,683		

1/ Includes dry cows. Excludes heifers not yet fresh.
 2/ Excludes milk sucked by calves.

Milk Cows and Milk Production: By State, June 1991-92

State	Milk Cows 1/		Milk Per Cow 2/		Milk Production 2/		1992 as % of 1991
	1991	1992	1991	1992	1991	1992	
	---- 1,000 ----		---- Pounds ----		Million Pounds		Percent
CA	1,156	1,157	1,570	1,600	1,815	1,851	102
FL	178	182	1,130	1,135	201	207	103
ID	178	184	1,420	1,450	253	267	106
IL	191	185	1,220	1,200	233	222	95
IN	148	145	1,290	1,335	191	194	102
IA	303	307	1,140	1,140	345	350	101
KY	195	181	900	930	176	168	95
MD	103	98	1,100	1,155	113	113	100
MI	342	339	1,300	1,350	445	458	103
MN	680	660	1,210	1,275	823	842	102
MO	227	228	1,040	1,090	236	249	106
NY	749	745	1,260	1,320	944	983	104
NC	98	96	1,210	1,190	119	114	96
OH	337	330	1,170	1,235	394	408	104
PA	659	650	1,270	1,340	837	871	104
TN	192	195	950	960	182	187	103
TX	382	376	1,160	1,195	443	449	101
VT	163	162	1,245	1,300	203	211	104
VA	139	136	1,165	1,185	162	161	99
WA	237	245	1,590	1,660	377	407	108
WI	1,715	1,655	1,210	1,245	2,075	2,060	99
21 State: Total	8,372	8,256	1,262	1,305	10,567	10,772	102

1/ Includes dry cows. Excludes heifers not yet fresh.
 2/ Excludes milk sucked by calves.

Milk Cows and Milk Production: Revised January-March, 1991-92

State	Jan-Mar Milk Cows <u>1/</u>		Jan-Mar Milk Production <u>2/</u>		1992 as % of 1991
	1991	1992	1991	1992	
	----- 1,000 -----		-- Million Pounds --		Percent
AL	42	42	148	145	98
AK	1.1	0.7	3.65	2.83	78
AZ	96	97	445	472	106
AR	68	67	207	210	101
CA	1,152	1,159	5,269	5,349	102
CO	77	79	325	342	105
CT	33	33	133	139	105
DE	9.1	9.2	34.9	34.0	97
FL	184	181	717	720	100
GA	112	104	412	418	101
HI	11.0	10.6	35.7	37.2	104
ID	179	176	686	716	104
IL	194	186	709	680	96
IN	151	144	576	576	100
IA	302	302	1,064	1,068	100
KS	98	93	315	315	100
KY	199	184	569	542	95
LA	81	79	265	265	100
ME	41	41	153	159	104
MD	106	99	361	355	98
MA	31	30	120	121	101
MI	343	338	1,305	1,339	103
MN	690	668	2,576	2,545	99
MS	63	60	207	209	101
MO	229	222	725	743	102
MT	24	24	84	84	100
NE	102	98	319	319	100
NV	20.0	19	80.0	83	104
NH	20	21	79	86	109
NJ	25	25	91	92	101
NM	93	97	422	505	120
NY	767	748	2,777	2,891	104
NC	100	98	409	401	98
ND	85	78	264	246	93
OH	339	330	1,180	1,178	100
OK	99	95	307	304	99
OR	100	102	391	420	107
PA	679	664	2,529	2,641	104
RI	2.3	2.2	8.8	8.7	99
SC	34	31	114	113	99
SD	137	131	416	410	99
TN	194	196	536	539	101
TX	387	376	1,453	1,455	100
UT	79	81	298	317	106
VT	164	163	602	634	105
VA	140	139	529	536	101
WA	237	242	1,069	1,161	109
WV	24	23	68	69	101
WI	1,747	1,661	6,010	5,937	99
WY	9.0	8.3	27.9	26.4	95
US <u>3/</u>	10,101	9,858	37,425	37,958	101

1/ Includes dry cows, excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.

3/ Milk cows will not add due to rounding.

Milk Cows and Milk Production: Preliminary April-June, 1991-92

State	Apr-Jun Milk Cows <u>1/</u>		Apr-Jun Milk Production <u>2/</u>		1992 as % of 1991
	1991	1992	1991	1992	
	----- 1,000 -----		--- Million Pounds ---		Percent
AL	41	42	137	145	106
AK	1.0	0.7	3.71	3.21	87
AZ	94	98	442	463	105
AR	68	66	211	209	99
CA	1,155	1,157	5,509	5,600	102
CO	78	80	345	364	106
CT	33	33	134	139	104
DE	9.2	9.1	33.4	34.1	102
FL	180	182	663	686	103
GA	108	101	372	386	104
HI	10.9	10.9	37.8	40.0	106
ID	177	182	747	790	106
IL	192	186	725	666	92
IN	149	144	606	593	98
IA	303	307	1,048	1,058	101
KS	98	90	315	325	103
KY	196	182	580	542	93
LA	80	80	245	252	103
ME	42	41	159	164	103
MD	103	98	364	354	97
MA	31	30	120	121	101
MI	343	338	1,343	1,364	102
MN	685	660	2,587	2,555	99
MS	62	59	197	199	101
MO	228	227	767	787	103
MT	24	24	87	88	101
NE	100	97	325	329	101
NV	19.0	19.0	88.0	81.3	92
NH	20	21	80	85	106
NJ	25	25	91	91	100
NM	94	108	493	554	112
NY	752	743	2,902	3,000	103
NC	99	97	393	375	95
ND	84	79	275	261	95
OH	337	330	1,236	1,230	100
OK	98	98	308	319	104
OR	100	104	430	451	105
PA	662	652	2,597	2,688	104
RI	2.3	2.2	9	8.9	99
SC	32	30	102	98	96
SD	137	131	444	440	99
TN	193	196	575	579	101
TX	383	376	1,442	1,449	100
UT	80	83	325	343	106
VT	163	163	622	644	104
VA	139	137	522	514	98
WA	236	245	1,137	1,228	108
WV	23	23	69	70	101
WI	1,722	1,656	6,363	6,194	97
WY	8.6	7.9	27.5	27.5	100
US <u>3/</u>	9,999	9,850	38,633	38,987	101

1/ Includes dry cows, excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.

3/ Milk cows will not add due to rounding.

Grain and Other Concentrates: Quantity Fed Daily
and Value by States, July 1, 1991-92

State	: Grain and Other Concentrates : Value per 100 Pounds of Concentrate		: Fed Daily per Milk Cow : Ration Fed to Milk Cows	
	: 1991	: 1992	: 1991	: 1992
	: ----- Pounds -----		: ----- Dollars -----	
AL	17.2	18.9	8.30	8.50
AK	18.0	18.0	13.50	13.00
AZ	22.0	21.7	7.10	6.80
AR	16.7	18.4	7.80	8.30
CA	19.0	19.5	7.65	7.40
CO	19.5	25.5	7.00	7.05
CT	15.3	16.1	8.90	8.60
DE	15.6	16.2	9.00	8.23
FL	28.0	26.0	7.10	7.10
GA	21.2	21.4	8.00	7.95
ID	17.1	19.0	6.80	6.70
IL	15.9	17.0	7.40	8.40
IN	16.6	17.3	7.75	7.40
IA	15.1	16.3	7.50	7.05
KS	21.0	20.0	7.45	7.75
KY	15.2	16.2	8.40	8.40
LA	17.5	17.0	8.05	8.35
ME	15.4	16.3	8.80	8.50
MD	16.1	16.5	8.70	8.75
MA	14.7	12.2	9.10	8.60
MI	17.5	17.0	6.60	7.10
MN	16.9	16.9	6.80	7.60
MS	16.5	17.6	8.00	8.10
MO	17.0	17.0	7.50	7.55
MT	16.0	16.0	6.90	6.95
NE	15.2	16.0	6.50	6.90
NV	23.0	21.0	7.80	8.90
NH	14.6	14.5	8.90	8.60
NJ	13.2	13.5	9.50	9.50
NM	24.0	24.0	6.60	6.30
NY	14.7	14.7	8.90	9.00
NC	16.4	16.8	8.30	8.60
ND	15.2	16.2	5.50	5.70
OH	17.0	16.2	8.30	8.40
OK	18.0	17.6	7.10	7.85
OR	17.0	16.0	9.00	8.65
PA	14.8	14.5	8.80	8.98
RI	15.2	15.8	8.90	9.30
SC	17.0	17.0	8.10	8.00
SD	14.8	15.4	6.50	6.40
TN	15.0	15.0	9.00	9.00
TX	21.6	21.5	7.40	7.50
UT	17.7	18.5	6.90	7.40
VT	13.7	15.4	9.00	8.90
VA	15.2	16.2	8.90	9.20
WA	19.5	20.0	8.00	7.75
WV	13.8	14.2	9.00	8.90
WI	16.6	16.9	7.35	7.50
WY	11.1	12.7	6.60	6.40
US	17.3	17.6	7.71	7.82

Grain and Other Concentrates: Quantity Fed Annually and Value
by State and United States, 1990 1/

State	Annual Quantity Fed to Milk Cows			Annual Average	Annual Average
	Total	Per Cow	Per Cwt of Milk	Value of Feed per Cwt	Feed Value Per Cwt of Milk
	-- 1,000 Tons --		Pounds	----- Dollars -----	
AL	136	6,470	53	8.74	4.63
AK	4	6,300	45	13.45	6.05
AZ	394	8,370	48	7.36	3.53
AR	221	6,390	54	8.12	4.38
CA	4,188	7,380	40	7.82	3.13
CO	304	7,900	46	7.10	3.27
CT	103	6,240	40	9.23	3.69
DE	25	5,530	40	8.28	3.31
FL	986	10,950	78	7.58	5.91
GA	425	7,650	59	8.44	4.98
ID	576	6,430	39	6.80	2.65
IL	592	6,070	42	8.08	3.39
IN	489	6,270	43	7.56	3.25
IA	932	6,110	44	7.05	3.10
KS	336	6,790	54	7.04	3.80
KY	598	5,800	53	8.50	4.51
LA	268	6,610	57	8.35	4.76
ME	117	5,560	38	9.01	3.42
MD	303	5,870	44	8.96	3.94
MA	92	5,950	40	8.88	3.55
MI	1,074	6,240	41	6.80	2.79
MN	2,155	6,070	43	7.60	3.27
MS	191	6,160	51	8.50	4.34
MO	760	6,610	50	7.97	3.99
MT	64	5,280	39	7.14	2.78
NE	296	5,690	44	6.70	2.95
NV	64	6,400	39	8.24	3.21
NH	58	5,740	38	8.89	3.38
NJ	65	5,010	37	9.18	3.40
NM	351	8,650	46	6.38	2.93
NY	2,105	5,480	38	9.06	3.44
NC	327	6,540	43	9.10	3.91
ND	247	5,610	45	5.76	2.59
OH	1,050	6,140	45	8.30	3.74
OK	318	6,290	51	8.16	4.16
OR	298	6,020	37	8.82	3.26
PA	1,889	5,530	38	9.20	3.50
RI	7	6,030	39	9.28	3.62
SC	112	6,390	50	8.51	4.26
SD	387	5,520	45	6.30	2.84
TN	549	5,600	50	9.25	4.63
TX	1,579	8,180	57	7.74	4.41
UT	247	6,180	39	7.24	2.82
VT	439	5,380	37	8.98	3.32
VA	401	5,690	40	9.10	3.64
WA	834	7,040	38	8.15	3.10
WV	62	5,180	46	9.00	4.14
WI	5,364	6,120	44	7.88	3.47
WY	20	3,820	31	6.26	1.94
US	32,402	6,397	43.7	7.98	3.49

1/ Estimates for all places where milk produced, either for sale or for home use.

Grain and Other Concentrates: Quantity Fed Annually and Value
by State and United States, 1991 ^{1/}

State	Annual Quantity Fed to Milk Cows			Annual Average Value of Feed per Cwt	Annual Average Feed Value Per Cwt of Milk
	Total	Per Cow	Per Cwt of Milk		
	-- 1,000 Tons --		Pounds		----- Dollars -----
AL	133	6,480	51	8.50	4.32
AK	3	6,250	47	13.10	6.11
AZ	394	8,290	46	7.19	3.30
AR	233	6,850	57	7.90	4.48
CA	4,193	7,260	39	7.66	2.96
CO	301	7,800	45	7.00	3.16
CT	97	5,880	37	8.80	3.22
DE	26	5,510	39	8.30	3.23
FL	853	9,470	68	7.29	4.94
GA	405	7,570	56	8.08	4.56
ID	555	6,230	38	6.58	2.53
IL	563	5,890	40	8.06	3.23
IN	469	6,330	41	7.61	3.12
IA	830	5,480	40	7.35	2.91
KS	314	6,470	51	7.41	3.80
KY	526	5,390	48	8.49	4.07
LA	252	6,300	54	8.16	4.37
ME	115	5,470	37	8.91	3.33
MD	268	5,150	38	8.62	3.31
MA	82	5,260	35	8.93	3.15
MI	1,052	6,170	40	6.80	2.70
MN	2,005	5,870	41	7.16	2.90
MS	177	5,810	48	8.20	3.96
MO	702	6,210	49	7.52	3.71
MT	70	5,830	41	6.99	2.84
NE	275	5,500	43	6.70	2.90
NV	101	10,480	60	7.88	4.75
NH	57	5,710	36	8.93	3.18
NJ	61	4,890	35	9.15	3.20
NM	460	9,790	48	6.52	3.11
NY	1,886	4,990	34	9.00	3.08
NC	313	6,320	41	8.84	3.64
ND	228	5,550	44	5.53	2.41
OH	1,033	6,130	44	8.14	3.57
OK	324	6,550	53	7.38	3.89
OR	291	5,810	35	8.92	3.14
PA	1,820	5,440	36	9.01	3.20
RI	7	5,620	38	8.91	3.35
SC	93	5,650	46	8.24	3.83
SD	377	5,540	45	6.24	2.80
TN	513	5,290	47	9.04	4.29
TX	1,490	7,840	55	7.56	4.14
UT	240	6,070	38	7.00	2.68
VT	423	5,150	35	8.97	3.18
VA	368	5,260	36	8.90	3.25
WA	848	7,150	38	8.00	3.07
WV	56	4,810	41	8.90	3.69
WI	5,057	5,900	42	7.20	3.00
WY	18	4,020	32	6.30	2.04
US	30,957	6,195	41.7	7.73	3.22

^{1/} Estimates for all places where milk produced, either for sale or for home use.

Milk Cows: Percent of Operations by Size Groups, by Selected States, and United States, 1990-91 ^{1/}

State	Operations Having:							
	1-29 Head		30-49 Head		50-99 Head		100+ Head	
	1990	1991	1990	1991	1990	1991	1990	1991
Percent								
CA	42.2	38.1	3.1	2.8	8.0	6.7	46.7	52.4
FL	70.8	67.0	2/	2/	2/	2/	29.2	33.0
ID	45.9	42.1	12.7	14.2	19.1	21.6	22.3	22.1
IL	23.1	23.3	30.8	23.3	33.3	40.0	12.8	13.4
IN	60.0	58.3	16.0	16.1	19.0	19.6	5.0	6.0
IA	37.2	34.3	32.1	28.6	25.6	30.0	5.1	7.1
KY	53.8	47.3	21.5	25.4	18.5	20.0	6.2	7.3
MD	27.8	26.2	19.4	18.8	32.8	35.0	20.0	20.0
MI	30.8	28.3	26.1	26.7	27.7	28.3	15.4	16.7
MN	25.2	25.3	41.3	40.0	29.0	30.0	4.5	4.7
MO	55.0	56.0	17.5	14.7	22.5	24.0	5.0	5.3
NY	20.4	20.5	24.2	23.8	40.8	41.0	14.6	14.7
NC	57.0	47.3	7.0	8.0	15.5	18.0	20.5	26.7
OH	48.9	49.4	21.1	20.2	23.3	23.6	6.7	6.8
PA	31.0	29.6	32.9	33.1	28.4	29.0	7.7	8.3
TN	57.8	55.0	14.0	11.5	17.8	23.0	10.4	10.5
TX	62.6	62.5	4.1	4.0	10.5	10.9	22.8	22.6
VT	18.5	15.4	22.2	23.1	40.8	42.3	18.5	19.2
VA	56.7	56.3	7.3	7.5	20.0	19.9	16.0	16.3
WA	51.0	55.0	5.0	4.0	19.0	18.0	25.0	23.0
WI	23.3	23.4	37.0	36.3	32.7	33.1	7.0	7.2
Oth Sts	60.0	59.0	12.1	11.6	16.7	17.5	11.3	11.9
US	40.9	39.8	23.3	22.8	24.8	25.9	11.0	11.5

^{1/} An operation is any place having one or more milk cows on hand during the year. Percents reflect average distributions of various probability surveys conducted during the year but are based primarily on end-of-year surveys.

^{2/} Combined with other size groups.

Milk Cows: Percent of Inventory by Size Groups, by Selected States, and United States, 1990-91 ^{1/}

State	Inventory on Operations Having:							
	1-29 Head		30-49 Head		50-99 Head		100+ Head	
	1990	1991	1990	1991	1990	1991	1990	1991
Percent								
CA	0.2	0.2	0.4	0.4	2.0	1.6	97.4	97.8
FL	0.6	0.7	2/	2/	2/	2/	99.4	99.3
ID	3.2	3.9	6.0	6.2	16.2	16.3	74.6	73.6
IL	3.6	3.2	21.0	16.9	41.0	48.7	34.4	31.2
IN	20.7	15.9	17.4	17.2	38.7	40.7	23.2	26.2
IA	13.2	12.5	28.1	23.1	40.4	42.9	18.2	21.5
KY	12.0	8.9	25.0	25.3	36.5	36.8	26.5	29.0
MD	4.6	4.8	12.0	11.4	33.3	36.2	50.0	47.6
MI	5.8	5.3	17.8	16.3	35.0	34.0	41.4	44.4
MN	10.0	9.9	35.9	35.3	40.0	40.7	14.1	14.1
MO	9.6	9.1	20.9	18.2	46.5	49.1	23.0	23.6
NY	3.6	3.3	15.5	15.0	42.6	42.4	38.3	39.3
NC	1.7	1.7	5.2	5.4	22.8	20.4	70.3	72.5
OH	16.2	15.2	17.6	17.6	41.2	41.5	25.0	25.7
PA	8.6	7.6	27.9	26.7	40.2	41.2	23.3	24.5
TN	15.4	10.3	12.8	9.2	28.7	32.8	43.1	47.7
TX	1.3	1.3	2.5	2.1	10.8	11.0	85.4	85.6
VT	2.4	1.8	13.4	12.3	41.5	42.9	42.7	43.0
VA	6.0	5.4	6.0	6.0	30.5	30.0	57.5	58.6
WA	3.0	2.6	2.0	1.6	17.8	14.7	77.2	81.1
WI	8.8	8.4	29.8	29.4	42.7	42.3	18.7	19.9
Oth Sts	7.0	7.0	12.5	12.5	31.0	31.0	49.5	49.5
US	6.9	6.3	17.3	16.6	31.5	31.7	44.3	45.4

^{1/} Percents reflect average distributions of various probability surveys conducted during the year but are based primarily on end-of-year surveys.
^{2/} Combined with other size groups.

Survey Procedures: Primary data used to determine these estimates were obtained from a sample of producers. Individual states maintain a list of all known milk producers and information on the size of their herd. States use all known sources of producers to insure that their lists are as complete as possible. About 20,000 producers are sampled in January and data are collected from about 10,000 respondents. There are about 7,300 respondents in each of the remaining quarters. Generally all larger producers and a sample of smaller producers are included in the survey. Questionnaires are mailed to producers near the end of the month to obtain data for the first day of the month, January 1, February 1, etc. Toward the end of the data collection period, statisticians review mail returns to insure that each size group is adequately represented. If additional reports are needed in some size groups, statisticians obtain these by telephone.

Estimation Procedures: Each state statistician prepares their estimate by plotting survey expansions and averages on time series charts. The individual state estimates are reviewed by the Agricultural Statistics Board for reasonableness.

Revision Policy: Milk production, rate per cow, and number of cows are subject to revision the following month for monthly states or the following quarter for the quarterly states. Normally, Federal Market Order sales are the main reason for revisions, however, not all orders have data available in time for this revision. A second revision is made in February each year based on additional check data. In the event that some additional changes are necessary a third revision is made in February the following year. Estimates are again reviewed after data for the five year Census of Agriculture, conducted by the Department of Commerce are available.

Reliability: Since all operations with dairy animals are not included in the sample, estimates are subject to sampling variability. Survey data are subject to non-sampling errors such as omissions, duplications, mistakes in reporting, recording, and processing the data. These errors cannot be measured directly but they are minimized through a careful review of all reported data for consistency and reasonableness. Generally, the original estimates are within one half percent of the final estimate.

Special in this issue: Operations by size group, inventory by size group, and annual quantity and value of grain and other concentrates.

The next "Milk Production" report will be released at 3:00 p.m. ET on August 14, 1992.

