

# MILK PRODUCTION

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## SEPTEMBER MILK PRODUCTION BELOW PREVIOUS YEAR

September milk production totaled 9.73 billion pounds, down 1 percent from September 1977. Accumulated production for the first nine months of 1978 was down 1 percent from last year, but was 2 percent above the same period in 1976.

Production per cow averaged 897 pounds, 1 pound less than a year earlier but 27 pounds more than September 1976. Total milk cows averaged 10.8 million head, off 1 percent from last year.

## MILK-FEED PRICE RATIO

The September milk-feed price ratio was 1.81, up from 1.76 last month and September 1977. The increase in the ratio from August 1978 was due to higher milk prices.

MILK COWS AND MILK PRODUCTION BY MONTHS, UNITED STATES

MONTH	MILK COWS 1/			MILK PER COW 2/			MILK PRODUCTION 2/			
	1976	1977	1978	1976	1977	1978	1976	1977	1978	1978 % CHANGE FROM 1977
	THOUSANDS			POUNDS			MILLION POUNDS			PERCENT
JAN	11,087	11,036	10,931	866	898	914	9,600	9,914	9,988	101
FEB 3/	11,076	11,025	10,915	839	847	856	9,290	9,337	9,341	100
MAR	11,062	11,012	10,883	929	961	967	10,281	10,586	10,528	99
APR	11,061	11,002	10,883	946	976	982	10,464	10,743	10,686	99
MAY	11,049	10,991	10,886	1,006	1,035	1,032	11,110	11,373	11,219	99
JUN	11,049	10,975	10,854	978	1,004	1,007	10,806	11,021	10,928	99
JUL	11,052	10,970	10,851	945	975	977	10,444	10,693	10,598	99
AUG	11,049	10,976	10,855	917	947	945	10,129	10,397	10,259	99
SEP	11,039	10,972	10,847	870	898	897	9,607	9,850	9,732	99
JAN-SEP TOTAL							91,731	93,914	93,279	99
OCT	11,045	10,955		872	899		9,626	9,844		
NOV	11,044	10,952		836	861		9,231	9,429		
DEC	11,035	10,939		877	893		9,681	9,770		
ANNUAL	11,055	10,984		10,879	11,194		120,269	122,957		

1/ INCLUDES DRY COWS. EXCLUDES HEIFERS NOT YET FRESH.

2/ EXCLUDES MILK SUCKED BY CALVES.

3/ THE EXTRA DAY IN FEB 1976 ADDED 3.6 PERCENT TO MONTHLY OUTPUT.

MILK-FEED PRICE RATIOS, MILK PRICES, AND RATION VALUES, BY REGIONS AND UNITED STATES, SEPTEMBER 1978, WITH COMPARISONS 1/

REGION	MILK-FEED PRICE RATIO 2/			ALL MILK PRICE PER CWT			RATION VALUE 3/		
	SEP 1977	AUG 1978	SEP 1978	SEP 1977	AUG 1978	SEP 1978	SEP 1977	AUG 1978	SEP 1978
	POUNDS			DOLLARS					
N ATL	1.67	1.71	1.75	10.60	11.10	11.40	6.34	6.50	6.50
N CEN	1.80	1.84	1.89	9.48	10.20	10.40	5.28	5.55	5.50
S ATL	1.78	1.70	1.73	11.10	11.50	11.70	6.22	6.75	6.75
S CEN	1.76	1.69	1.71	10.40	10.80	11.00	5.91	6.40	6.45
WEST	1.78	1.75	1.78	9.83	10.30	10.50	5.53	5.90	5.90
U S	1.76	1.76	1.81	9.97	10.50	10.80	5.67	5.98	5.97

1/ DATA FOR CURRENT MONTH ARE PRELIMINARY.

2/ POUNDS OF CONCENTRATE RATION EQUAL IN VALUE TO 1 POUND MILK SOLD TO PLANTS.

3/ VALUE PER 100 POUNDS OF CONCENTRATE RATION FED TO MILK COWS.

## SEPTEMBER 1978 MILK COWS AND MILK PRODUCTION

STATE	MILK COWS 1/			MILK PER COW 2/			MILK PRODUCTION 2/			
	1976	1977	1978	1976	1977	1978	1976	1977	1978	1978 AS PCT OF 1977
	THOUSANDS			POUNDS			MILLION POUNDS		PERCENT	
ALABAMA	86	84	84	650	660	645	56	55	54	98
ARKANSAS	87	88	88	680	725	688	59	64	61	95
CALIFORNIA	810	834	839	1180	1205	1150	956	1005	965	96
COLORADO	72	70	71	945	985	1045	68	69	74	107
FLORIDA	202	197	197	755	735	730	153	145	144	99
GEORGIA	128	129	129	805	785	775	103	101	100	99
IDAHO	142	140	140	930	1000	1020	132	140	143	102
ILLINOIS	235	236	233	855	865	845	201	204	197	97
INDIANA	209	208	207	895	900	890	187	187	184	98
IOWA	392	383	377	805	885	870	316	339	328	97
KANSAS	139	139	137	865	845	850	120	117	116	99
KENTUCKY	281	278	270	710	760	755	200	211	204	97
LOUISIANA	137	131	126	625	645	645	86	84	81	96
MARYLAND	140	137	134	940	965	950	132	132	127	96
MICHIGAN	405	405	408	955	995	980	387	403	400	99
MINNESOTA	874	859	816	710	745	750	621	640	612	96
MISSISSIPPI	116	111	104	595	610	625	69	68	65	96
MISSOURI	307	294	283	770	820	850	236	241	241	100
NEBRASKA	139	131	126	820	840	850	114	110	107	97
NEW YORK	912	916	912	870	905	915	793	829	834	101
N. CAROLINA	147	151	141	875	900	890	129	136	125	92
N. DAKOTA	110	106	99	620	620	680	68	66	67	102
OHIO	400	400	393	925	920	920	370	368	362	98
OKLAHOMA	117	116	113	770	795	795	90	92	90	98
OREGON	92	93	93	915	940	940	84	87	87	100
PENNSYLVANIA	707	707	703	890	920	930	629	650	654	101
TENNESSEE	210	207	212	850	855	860	179	177	182	103
TEXAS	319	314	310	825	860	900	263	270	279	103
UTAH	79	78	76	960	960	1000	76	75	76	101
VERMONT	194	192	187	865	900	910	168	173	170	98
VIRGINIA	175	172	173	900	940	905	158	162	157	97
WASHINGTON	181	174	185	1100	1175	1150	199	204	213	104
WISCONSIN	1804	1805	1811	880	905	900	1588	1634	1630	100
OTHER 17 3/ STATES	691	687	670	893	891	900	617	612	603	99
UNITED STATES	11039	10972	10847	870	898	897	9607	9850	9732	99

1/ INCLUDES DRY COWS. EXCLUDES HEIFERS NOT YET FRESH.

2/ EXCLUDES MILK SUCKED BY CALVES.

3/ INCLUDES STATES FOR WHICH INDIVIDUAL MONTHLY ESTIMATES ARE NOT AVAILABLE.

SEPTEMBER MILK COWS AND JULY-SEPTEMBER MILK PRODUCTION

STATE	SEP MILK COWS 1/			JUL THROUGH SEP MILK PRODUCTION 2/			
	1976	1977	1978	1976	1977	1978	1978 AS % OF 1977
	THOUSANDS			MILLION POUNDS			PERCENT
ALA	86	84	84	167	166	160	96
ALAS	1.5	1.5	1.4	4.07	4.44	3.80	86
ARIZ	69	68	66	217	220	215	98
ARK	87	88	88	186	197	192	97
CALIF	810	834	839	3,030	3,136	3,060	98
COLO	72	70	71	214	220	227	103
CONN	53	52	49	152	153	151	99
DEL	12.3	11.9	11.6	33.9	34.8	31.3	90
FLA	202	197	197	470	451	451	100
GA	128	129	129	302	298	296	99
HAW	13.0	12.9	12.8	36.4	37.5	37.4	100
IDAHO	142	140	140	411	432	441	102
ILL	235	236	233	635	633	611	97
IND	209	208	207	572	575	569	99
IOWA	392	383	377	1,007	1,078	1,033	96
KANS	139	139	137	373	366	356	97
KY	281	278	270	632	676	643	95
LA	137	131	126	264	262	253	97
MAINE	59	58	57	166	167	167	100
MD	140	137	134	393	398	383	96
MASS	53	51	48	146	149	144	97
MICH	405	405	408	1,176	1,220	1,212	99
MINN	874	859	816	2,093	2,164	2,065	95
MISS	116	111	104	221	219	209	95
MO	307	294	283	768	770	759	99
MDNT	26	27	27	71	78	77	99
NEBR	139	131	126	363	347	333	96
NEV	14.2	14.3	14.9	50.7	50.6	48.0	95
N H	31	31	31	82	84	84	100
N J	46	47	46	137	137	133	97
N MEX	31	31	32	106	107	120	112
N Y	912	916	912	2,444	2,551	2,580	101
N C	147	151	141	388	406	383	94
N DAK	110	106	99	243	241	234	97
OHIO	400	400	393	1,147	1,155	1,154	100
OKLA	117	116	113	282	282	275	98
OREG	92	93	93	271	277	279	101
PA	707	707	703	1,905	1,986	2,002	101
R I	5.3	4.9	4.6	14.7	14.7	13.8	94
S C	56	56	52	127	127	122	96
S DAK	172	171	169	439	417	400	96
TENN	210	207	212	544	535	553	103
TEX	319	314	310	817	833	845	101
UTAH	79	78	76	241	241	243	101
VT	194	192	187	521	529	535	101
VA	175	172	173	481	490	481	98
WASH	181	174	185	626	654	680	104
W VA	37	38	37	87	84	81	96
WIS	1,804	1,805	1,811	5,093	5,257	5,234	100
WYO	11.5	11.5	10.9	29.7	30.3	29.3	97
U S	11,039	10,972	10,847	30,179	30,940	30,589	99

1/ INCLUDES DRY COWS, EXCLUDES HEIFERS NOT YET FRESH. 2/ EXCLUDES MILK SUCKED BY CALVES.

GRAIN AND OTHER CONCENTRATES FED DAILY PER MILK COW IN HERDS KEPT BY REPORTERS,  
OCTOBER 1, BY STATES

STATE	1976	1977	1978
	POUNDS		
ALA	14.4	13.7	16.0
ARIZ	15.3	16.0	20.0
ARK	11.7	12.0	12.9
CALIF	15.0	16.8	15.2
COLO	14.6	13.6	14.4
CONN	13.6	13.7	15.3
DEL	13.2	13.3	13.4
FLA	16.0	16.0	16.5
GA	15.0	16.0	18.0
IDAHO	10.9	11.6	11.7
ILL	12.8	12.7	12.2
IND	13.5	13.4	14.2
IOWA	12.3	13.6	13.8
KANS	15.7	15.0	16.5
KY	11.3	12.4	12.5
LA	12.6	12.9	13.6
MAINE	14.0	13.9	13.8
MD	13.3	14.4	13.4
MASS	12.7	13.4	12.5
MICH	12.6	12.9	14.3
MINN	10.7	11.2	12.3
MISS	12.6	13.0	13.1
MO	12.5	13.0	15.0
MONT	11.0	12.0	12.0
NEBR	11.5	11.5	12.5
NEV	12.0	12.5	15.0
N H	12.6	11.4	11.1
N J	11.8	12.9	13.0
N MEX	15.0	17.0	17.0
N Y	11.8	11.9	12.4
N C	14.6	15.0	13.5
N DAK	10.1	10.0	11.4
OHIO	14.3	13.7	14.7
OKLA	14.2	14.6	14.9
OREG	11.0	12.5	14.0
PA	12.7	13.9	13.5
R I	9.1	11.2	13.5
S C	14.5	13.9	14.5
S DAK	11.7	11.4	11.8
TENN	13.1	14.7	14.1
TEX	17.5	16.8	18.5
UTAH	11.4	13.4	12.0
VT	11.4	10.7	12.1
VA	11.1	12.6	14.2
WASH	12.2	14.0	13.9
W VA	10.5	11.0	9.5
WIS	11.6	12.4	12.4
WYO	9.0	10.0	10.9
U S	12.6	13.3	13.6



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