

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS : CANBERRA

AUSTRALIA

STATISTICAL BULLETIN : THE DAIRYING INDUSTRY, AUSTRALIA

YEAR ENDED JUNE, 1954

Volume 17 - No. 7

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STATISTICAL BULLETIN : THE DAIRYING INDUSTRY, AUSTRALIA

YEAR ENDED JUNE, 1954.

Volume 17 - No. 7

PREFACE

The last full issue of this Bulletin (Volume 16, No. 14) was released on 1st April, 1954. This is the seventh issue in the series to be included in Volume 17 and embraces detailed statistics to the end of June 1954. Further detailed issues of the Bulletin will be published at half yearly intervals, while supplementary issues confined to monthly particulars of production and utilisation of whole milk and factory production of butter, cheese and preserved milk products will be prepared for the intervening months.

The principal statistical information contained in this Bulletin has been supplied by State Statisticians, but I have also drawn heavily upon statistical and other data prepared by the Department of Commerce and Agriculture, the Commonwealth Dairy Produce Equalisation Committee Ltd. and the Australian Dairy Produce Board in connection with Australian and overseas prices, subsidies and stocks of dairy produce held in main cold stores. To each of these authorities I tender my thanks for their valuable assistance and co-operation.

S. R. CARVER
ACTING COMMONWEALTH STATISTICIAN

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, A.C.T. 28TH SEPTEMBER, 1954

DAIRY CATTLE

1. NUMBER OF DAIRY CATTLE - AUSTRALIA: Details of the number of dairy cattle in Australia at 31st March, of the years 1948 to 1954, together with particulars of the number of dairy cows in milk and dry recorded in 1939 are shown in the following table: -

TABLE 1 : DAIRY CATTLE : AUSTRALIA

31st March	Dairy Cows			Dairy Heifers 1 year and over	Dairy Calves under 1 year	Dairy Bulls	Total Dairy Cattle
	In Milk	Dry	Total				
1939 (a)	2,600,707	608,812	3,209,519	(b)	(b)	(b)	(b)
1948	2,267,221	818,044	3,085,265	831,484	721,899	107,533	4,746,181
1949	2,339,885	818,725	3,158,610	853,714	740,368	109,946	4,862,638
1950	2,354,217	837,218	3,191,435	865,128	723,742	109,499	4,889,804
1951	2,252,741	895,930	3,148,671	827,183	720,425	106,165	4,802,444
1952	2,098,560	874,192	2,972,752	808,858	679,901	104,666	4,566,177
1953	2,223,410	863,133	3,086,543	834,146	714,540	110,475	4,745,704
1954 (c)	(d)	(d)	(d)	(d)	(d)	(d)	4,858,120

(a) For dates of enumeration in the respective States, see Table 3. (b) Not available separately. (c) Subject to revision. (d) Not yet available.

The number of dairy cattle in Australia in March, 1954, was 4,858,000. This represented an increase of 112,000 (2.3 per cent.) on the number recorded in March, 1953 and 140,000 (2.8 per cent.) less than in March, 1943, when total dairy cattle numbers were first recorded separately.

2. NUMBER OF DAIRY CATTLE - STATES: The numbers recorded in March, 1954, were higher than in the previous year in all States except New South Wales. Numbers increased in Victoria by 76,000 (5.1 per cent.); Queensland, 19,000 (1.4 per cent.); Tasmania, 4,000 (7.0 per cent.); South Australia, 7,000 (2.9 per cent.), and Western Australia 3,000 (1.3 per cent.). Numbers decreased in New South Wales by 4,000 (0.3 per cent.).

Particulars of the total number of dairy cattle in each State as at 31st March of the years 1948 to 1954 are shown in the following table: -

TABLE 2 : TOTAL DAIRY CATTLE : STATES

31st March	N.S.W.	Vic.	Q'ld.	S.A.	W.A.	Tas.	A.C.T.	Australia
1948	1,239,761	1,476,379	1,382,564	275,131	225,474	144,041	2,831	4,746,181
1949	1,259,357	1,513,292	1,422,831	279,021	229,993	155,122	3,022	4,862,638
1950	1,273,003	1,525,183	1,432,760	271,348	226,413	157,959	3,138	4,889,804
1951	1,245,756	1,489,393	1,440,198	243,625	222,875	157,024	3,573	4,802,444
1952	1,204,870	1,438,523	1,296,659	236,575	230,469	155,536	3,545	4,566,177
1953	1,244,242	1,476,980	1,372,998	251,933	233,869	162,212	3,470	4,745,704
1954 (a)	1,240,000	1,552,989	1,392,000	259,115	237,000	173,595	3,421	4,858,120

(a) Subject to revision.

The numbers of dairy cows recorded for each State for the years 1939 and 1948 to 1954 are shown in the following table. Variations in the seasonal dates of enumeration in some States in 1939 should be noted.

TABLE 3 : TOTAL DAIRY COWS (in Milk and Dry) : STATES

31st March	N.S.W.	Vic.	Q'ld.	S.A.	W.A.	Tas.	A.C.T.	Australia
1939	985,251	(a) 859,811	(b) 997,123	(b) 52,699	(b) 19,814	(b) 93,816	1,005	3,209,519
1948	862,041	896,886	946,174	166,954	132,305	79,135	1,770	3,085,265
1949	872,431	930,252	963,473	172,865	133,219	84,433	1,937	3,158,610
1950	875,988	956,558	962,752	174,835	129,365	89,546	2,391	3,191,435
1951	855,882	943,039	967,959	160,204	127,544	91,859	2,184	3,148,671
1952	820,518	914,809	859,434	152,192	130,625	92,833	2,341	2,972,752
1953	847,932	947,061	903,621	155,956	133,923	96,040	2,010	3,086,543
1954	(d)	987,345	(d)	159,993	(d)	(d)	2,296	(d)

(a) At 1st March. (b) At 1st January. (c) Subject to revision. (d) Not yet available.

The following table shows dairy cattle numbers in each State as at 31st March in each of the years 1950 to 1954.

TABLE 4 : DAIRY CATTLE : STATES

State	31st March	Dairy Cows		Dairy Heifers 1 year & over	Dairy Calves under 1 year	Dairy Bulls	Total Dairy Cattle
		In Milk	Dry				
N.S.W.	1950	(a) 693,203	182,785	210,851	162,067	24,097	1,273,003
	1951	(a) 672,871	183,011	204,056	161,991	23,827	1,245,756
	1952	(a) 632,718	187,800	201,604	159,435	23,313	1,204,870
	1953	(a) 673,710	174,222	216,203	156,024	24,083	1,244,242
	1954(b)	(c)	(c)	(c)	(c)	(c)	1,240,000
Vic.	1950	715,327	241,231	298,563	231,104	38,958	1,525,183
	1951	674,011	269,028	281,795	227,203	37,356	1,489,393
	1952	655,127	259,682	275,987	210,758	36,969	1,438,523
	1953	673,975	273,086	270,383	220,273	39,263	1,476,980
	1954(b)	685,084	302,261	286,632	225,802	40,951	(d) 1,552,989
Q'ld.	1950	693,413	269,339	234,317	207,726	27,965	1,432,760
	1951	666,398	301,561	229,800	215,070	27,369	1,440,198
	1952	572,448	286,986	224,350	185,999	26,876	1,296,659
	1953	641,400	262,221	231,810	209,093	28,474	1,372,998
	1954(b)	(c)	(c)	(c)	(c)	(c)	(d) 1,392,000
S.A.	1950	118,263	56,572	50,827	37,358	8,328	271,348
	1951	105,765	54,439	42,341	33,483	7,597	243,625
	1952	103,658	48,534	40,166	36,718	7,499	236,575
	1953	100,880	55,076	45,941	41,694	8,342	251,933
	1954(b)	106,461	53,532	46,865	38,620	8,530	(d) 259,115
W.A.	1950	60,383	68,982	42,263	48,950	5,835	226,413
	1951	60,873	66,671	41,365	48,097	5,869	222,875
	1952	60,092	70,533	40,292	53,556	5,996	230,469
	1953	57,805	76,118	42,379	51,394	6,173	233,869
	1954(b)	(c)	(c)	(c)	(c)	(c)	(d) 237,000
Tas.	1950	71,985	17,561	27,965	36,168	4,280	157,959
	1951	71,633	20,226	27,148	33,926	4,091	157,024
	1952	73,329	19,504	26,007	32,749	3,947	155,536
	1953	74,400	21,640	26,660	35,422	4,090	162,212
	1954(b)	(c)	(c)	(c)	(c)	(c)	(d) 173,595
A.C.T.	1950	1,643	748	342	369	36	3,138
	1951	1,190	994	678	655	56	3,573
	1952	1,188	1,153	452	686	66	3,545
	1953	1,240	770	770	640	50	3,470
	1954(b)	1,387	909	303	656	55	(d) 3,421
Australia	1950	2,354,217	837,218	865,128	723,742	109,499	4,889,804
	1951	2,252,741	895,930	827,183	720,425	106,165	4,802,444
	1952	2,098,560	874,192	808,858	679,901	104,666	4,566,177
	1953	2,223,410	863,133	834,146	714,540	110,475	4,745,704
	1954(b)	(c)	(c)	(c)	(c)	(c)	(d) 4,858,120

(a) Includes other Milking Cows not in Registered Dairies. (b) Subject to revision.
(c) Not yet available. (d) Includes calves and culled cows etc. intended for slaughter or sale - Victoria, 12,238; South Australia, 5,107; A.C.T., 111; Queensland, Western Australia and Tasmania, not yet available.

3. HOLDINGS WITH DAIRY CATTLE : CLASSIFICATION ACCORDING TO SIZE OF HERD : STATES

Special tabulations relating to rural holdings for the year 1949-50, which showed, inter alia, a classification of holdings with dairy cattle according to size of herd were included in a previous issue of this Bulletin (Vol. 15, No. 9).

WHOLE MILK

4. ANNUAL PRODUCTION AND UTILIZATION OF WHOLE MILK - AUSTRALIA: The production of milk on farms for all purposes during 1953-54 is estimated at 1190.4 million gallons. This was lower than output during 1952-53 by 28.2 million gallons (2.3 per cent.) but was at approximately the same level as output during the last pre-war year 1938-39.

In 1938-39 approximately 78 per cent. of Australia's milk supply was used for butter-making, 5 per cent. for cheese manufacture, 3 per cent. for condensary products and 14 per cent. for fluid consumption and other purposes. There has since been a considerable decline in the proportion of milk available for butter-making, with corresponding increases in the quantity used for other purposes. In 1953-54 approximately 63 per cent. of the total milk supply was used for butter, 9 per cent. for cheese, 6 per cent. for condensary products and 22 per cent. for other purposes, including fluid consumption.

Particulars of the production and utilization of whole milk in each of the years 1938-39 and 1948-49 to 1953-54, are shown in the following table:-

TABLE 5 : PRODUCTION AND UTILIZATION OF WHOLE MILK : AUSTRALIA.

Year	Total Quantity Produced		Quantity used for -							
			Butter (Factory and Farm)		Cheese (Factory and Farm)		Condensary Products		Other Purposes (a)	
	'000 gallons	%	'000 gallons	%	'000 gallons	%	'000 gallons	%	'000 gallons	%
1938-39	1,189,174	100.0	925,308	77.8	64,994	5.5	33,367	2.8	165,505	13.9
1948-49	1,212,644	100.0	781,230	64.5	93,720	7.7	87,653	7.2	250,041	20.6
1949-50	1,241,759	100.0	806,682	65.0	96,757	7.8	89,565	7.2	248,755	20.0
1950-51	1,199,716	100.0	762,692	63.6	96,532	8.0	84,828	7.1	255,664	21.3
1951-52	1,051,287	100.0	630,771	60.0	87,360	8.3	76,324	7.3	256,832	24.4
1952-53	1,218,595	100.0	775,136	63.6	100,224	8.2	83,635	6.9	259,600	21.3
1953-54(b)	1,190,415	100.0	747,687	62.8	106,191	8.9	73,230	6.2	263,307	22.1

(a) Principally fluid milk for domestic purposes.

(b) Subject to revision.

Graphs illustrating the production and utilization of whole milk for various periods are included inside the back cover of this Bulletin.

5. MONTHLY PRODUCTION AND UTILIZATION OF WHOLE MILK - AUSTRALIA: In the following table, particulars are given of the total production of whole milk in Australia by monthly and six-monthly periods from January, 1953 to June, 1954, distinguishing between the quantities used for the manufacture of butter, cheese, products of milk condensaries and the quantity of whole milk consumed for all other purposes.

Figures from July, 1953 are estimates, except in the case of whole milk used in condensaries, particulars of which are as recorded by factories in this industry. The quantities of milk used in the manufacture of factory butter and cheese have been estimated from recorded monthly output on the basis of factors ascertained from the annual factory returns. The quantity of milk used for all other purposes represents the quantity recorded by Milk Boards in the several States, plus an estimate of the quantity consumed in areas outside those controlled by the boards. Milk consumed on farms, (except that used for making farm butter and cheese) and quantities used by factories for manufacture of ice cream and confectionery, are included.

TABLE 6 : MONTHLY PRODUCTION AND UTILIZATION OF WHOLE MILK : AUSTRALIA
(1000 Gallons)

Month	Total Whole Milk Produced	Quantity of Whole Milk used for -			
		Butter (Factory & Farm)	Cheese (Factory & Farm)	Condensary Products	Other Purposes (a)
1953 - January	121,029	79,991	10,475	9,045	21,518
February	106,231	71,323	7,086	6,674	21,148
March	99,677	66,627	5,655	5,270	22,125
April	78,740	49,793	3,765	3,466	21,716
May	67,522	39,762	3,188	2,659	21,913
June	61,866	34,642	3,196	2,482	21,546
Total, January-June:	535,065	342,138	33,365	29,596	129,966
1953(b) - July	62,860	33,835	4,252	3,096	21,677
August	77,048	43,029	7,189	5,136	21,694
September	102,156	61,154	11,631	7,730	21,641
October	131,026	83,206	15,861	9,904	22,055
November	141,529	93,362	15,901	10,175	22,091
December	134,731	88,529	14,289	9,677	22,236
Total, July-December:	649,350	403,115	69,123	45,718	131,394
1954(b) - January	121,525	81,242	10,993	7,520	21,770
February	108,135	73,304	7,826	5,496	21,509
March	108,080	73,769	6,734	5,125	22,452
April	78,345	48,073	4,160	4,071	22,041
May	66,054	37,315	3,621	2,922	22,196
June	58,926	30,869	3,734	2,378	21,945
Total, January-June:	541,065	344,572	37,068	27,512	131,913
TOTAL YEAR, 1953-54:	1,190,415	747,687	106,191	73,230	263,307

(a) Principally fluid milk for domestic purposes.

(b) Subject to revision.

6. **ANNUAL AND MONTHLY PRODUCTION OF WHOLE MILK - STATES:** In the following table particulars of production of whole milk for all purposes are given by States for the years 1938-39 and 1949-50 to 1953-54. Monthly and six-monthly totals from January, 1953 to June, 1954 are also shown.

Victoria is the principal milk-producing State and in 1953-54 the output from that State, 472.3 million gallons, represented 39.7 per cent. of total production. Output from New South Wales was 277.7 million gallons or 23.3 per cent. of the total, and that of Queensland, 251.0 million gallons (21.1 per cent.). Production in the remaining States accounted for 15.9 per cent. of the total Australian output.

Wholemilk production in Australia during the year ended June, 1954, is estimated at 1190.4 million gallons. This is lower than the output for the year 1952-53 by 28.2 million gallons (or 2.3 per cent.) but higher than the average production for the three pre-war years ended 1938-39 by 48.6 million gallons (or 4.3 per cent.). The output in 1953-54 was, however, 63.6 million gallons less than the record production of 1,254.0 million gallons in 1939-40. Whole milk production in 1953-54 was higher than in the previous year in Victoria (by 35.9 million gallons or 8.2 per cent.), South Australia (by 1.3 million gallons or 1.6 per cent.), Western Australia (by 0.8 million gallons or 1.5 per cent.) and Tasmania (by 8.1 million gallons or 18.4 per cent.). Production fell in New South Wales (by 39.6 million gallons or 12.5 per cent.) and Queensland (by 34.7 million gallons or 12.2 per cent.).

Milk production in 1953-54, compared with the average of the three pre-war years ended 1938-39, showed a substantial increase in all States except New South Wales and Queensland. These increases amounted to 69.1 million gallons (or 17.2 per cent.) in Victoria, 17.2 million gallons (or 25.1 per cent.) in South Australia, 8.2 million gallons (or 19.4 per cent.) in Western Australia, and 19.8 million gallons (or 60.9 per cent.) in Tasmania. The decline in New South Wales and Queensland was 41.3 million gallons (12.9 per cent.) and 24.9 million gallons (9.0 per cent.) respectively.

TABLE 7 : TOTAL PRODUCTION OF WHOLE MILK : STATES

('000 Gallons)

Period	New South Wales	Vic-toria	Queens-land	South Aust-ralia	Western Aust-ralia	Tas-man-ia	Aust. Cap. Terr.	Australia
1938-39	311,384	377,881	347,336	72,521	45,562	34,140	350	1,189,174
1949-50	311,580	469,253	281,125	89,388	49,476	40,243	694	1,241,759
1950-51	298,159	445,671	278,111	83,545	52,407	41,136	687	1,199,716
1951-52	241,209	446,818	181,148	86,482	48,937	46,100	593	1,051,287
1952-53	317,385	436,417	285,757	84,249	49,830	44,269	688	1,218,595
1953-54 (a)	277,747	472,296	251,010	85,584	50,582	52,415	781	1,190,415
1953 -								
January	31,444	48,693	24,255	7,073	3,677	5,830	57	121,029
February	31,241	35,854	27,698	5,099	2,229	4,053	57	106,231
March	30,441	28,507	31,236	4,425	1,958	3,053	57	99,677
April	24,528	20,062	26,482	3,915	1,897	1,799	57	78,740
May	20,545	15,969	22,926	4,253	2,425	1,347	57	67,522
June	17,890	15,133	19,368	4,853	3,335	1,231	56	61,866
Total, Jan.-June	156,089	164,218	151,965	29,618	15,521	17,313	341	535,065
1953 (a) -								
July	16,923	17,888	16,714	5,937	4,113	1,237	48	62,860
August	18,492	29,099	15,148	7,252	4,926	2,074	57	77,048
September	22,063	45,216	16,145	9,028	5,807	3,825	72	102,156
October	26,875	62,076	18,154	10,700	6,783	6,348	90	131,026
November	28,018	66,928	22,185	10,224	6,541	7,545	88	141,529
December	24,522	64,806	22,964	8,902	5,734	7,725	78	134,731
Total, July-Dec.	136,893	286,013	111,310	52,043	33,904	28,754	433	649,350
1954 (a) -								
January	27,140	48,882	28,130	6,936	3,837	6,531	69	121,525
February	27,808	38,547	28,986	5,490	2,421	4,820	63	108,135
March	30,324	35,029	31,084	4,809	1,980	4,791	63	108,080
April	22,362	24,940	21,272	4,242	1,961	3,505	63	78,345
May	17,991	20,700	16,726	5,475	2,710	2,405	47	66,054
June	15,229	18,185	13,502	6,589	3,769	1,609	43	58,926
Total, Jan.-June	140,854	186,283	139,700	33,541	16,678	23,661	348	541,065
TOTAL YEAR								
1953-54	277,747	472,296	251,010	85,584	50,582	52,415	781	1,190,415

(a) Subject to revision.

7. AVERAGE ANNUAL PRODUCTION PER COW - STATES: The annual quantity of milk produced per dairy cow reaches as high as 1,000 gallons, varying greatly with breed, locality and season. The average annual yields per cow shown in the table below for the years 1938-39 and 1949-50 to 1953-54 are based on the number of dairy cows which were in milk at any time during the year. The average is therefore, below that for cows which were yielding during the greater part of the year.

It should be noted that in addition to the difficulty of ascertaining with reasonable accuracy the average number of cows in milk during any year, there are many further difficulties attending the collection of particulars of the total quantity of milk obtained during the same period. The average yield per cow shown hereunder may, however, be accepted as sufficiently reliable to show the general trend.

TABLE 8 : AVERAGE ANNUAL PRODUCTION OF MILK PER COW : STATES

(Gallons)

Year	New South Wales	Vic-toria	Queens-land	South Aust-ralia	Western Aust-ralia	Tas-man-ia	Aust. Cap. Terr.	Aust-ralia
1938-39	313	425	361	475	382	366	336	370
1949-50	356	497	292	514	377	463	321	391
1950-51	344	469	288	499	408	454	300	378
1951-52	288	481	198	554	379	499	262	343
1952-53	380	469	324	547	377	469	316	402
1953-54 (a)	(b)	488	(b)	542	(b)	(b)	363	(b)

(a) Subject to revision.

(b) Not yet available.

8. MILKING MACHINES ON RURAL HOLDINGS: Particulars of the number of milking machines on rural holdings in each State of Australia, as at 31st March of the years 1943 and 1949 to 1953 were shown in a previous issue of this bulletin (Vol. 16, No. 14).

BUTTER

9. ANNUAL PRODUCTION OF BUTTER - AUSTRALIA: The total production of butter during the year ended June, 1954 is estimated at 160,000 tons (factory production being 156,000 tons and farm production 4,000 tons). This represents a decrease of 7,000 tons (or 4.4 per cent.) over the previous year's production of 167,000 tons. Total production in 1953-54 was 43,000 tons (21.3 per cent.) less than in 1938-39 and 31,000 tons (or 16.1 per cent.) below the average production for the three pre-war years ended 1938-39. The 1952-53 production figure is 50,000 tons (or 23.7 per cent.) below the record production of 210,000 tons in 1934-35.

The following table shows the production of butter in factories for each State and the grand total in factories and on farms for Australia, for the years 1938-39 and 1949-50 to 1953-54.

TABLE 9 : PRODUCTION OF BUTTER
(Tons of 2,240 lb.)

Year ended 30th June	Factory Production							Grand Total Factory & Farm
	New South Wales	Vic- toria	Queens- land	South Aust- ralia	Western Aust- ralia	Tas- mania	Australia	
1939	50,822	56,611	68,919	7,836	6,545	4,053	194,786	203,500
1950	36,817	63,358	48,196	8,236	6,769	5,069	168,445	173,599
1951	34,318	57,982	47,447	7,377	6,797	5,710	159,631	163,934
1952	23,438	59,236	27,850	7,767	6,705	6,170	131,166	135,319
1953	37,087	57,323	49,009	7,630	6,480	6,059	163,588	167,481
1954 (a)	29,701	63,656	41,794	7,580	6,262	7,269	156,252	160,117

(a) Subject to revision.

10. MONTHLY FACTORY PRODUCTION OF BUTTER - AUSTRALIA: Output of Factory Butter in 1953-54 was lower than the previous year despite the fact that production in 1953-54 for the months of November, January, February and March exceeded that in each of these months during 1952-53.

In the table on the opposite page, monthly and annual figures for factory production of butter are shown for each State for the years ended June, 1939 and 1951 to 1954.

11. OVERSEA EXPORTS OF BUTTER: In the table on page 10, particulars are given of the quantity of butter exported from Australia during the years 1938-39, and 1950-51 to 1953-54 according to countries of destination.

Total exports of butter during 1953-54 amounted to 40,000 tons, compared with 50,000 tons in 1952-53 and the record shipment of 118,000 tons in 1939-40. The average quantity exported during the five pre-war years ended 1938-39 was 96,000 tons. The quantity exported to the United Kingdom in 1953-54 comprised 72.3 per cent. of the total exported, as compared with 95 per cent. in 1938-39.

TABLE 10 : MONTHLY FACTORY PRODUCTION OF BUTTER : STATES
(Tons of 2,240 lb.)

State	Year	July	August	Sept.	Oct.	Nov.	Dec.	Total Year	Jan.	Feb.	March	April	May	June	Total Year
New South Wales	1938-39	1,981	2,182	3,087	4,840	5,620	5,099	22,809	4,334	4,833	5,418	5,304	4,668	3,456	50,822
	1950-51	1,220	1,543	2,285	3,836	4,282	4,677	17,843	4,828	3,694	3,294	2,266	1,404	989	34,318
	1951-52	1,031	1,193	1,450	2,597	2,395	1,943	10,609	2,023	1,630	2,611	2,564	2,208	1,793	23,438
	1952-53	1,512	1,873	2,939	4,007	4,126	4,001	18,458	3,946	4,024	3,894	2,910	2,173	1,682	37,087
	1953-54(a)	1,419	1,606	2,145	3,005	3,228	2,585	13,988	3,230	3,520	3,911	2,347	1,594	1,111	29,701
Victoria	1938-39	2,180	3,461	5,629	7,729	7,636	6,375	33,010	4,557	3,069	3,664	4,017	4,332	3,961	56,610
	1950-51	2,567	4,214	6,394	8,691	8,862	7,319	38,047	5,586	3,572	3,735	2,701	2,276	2,065	57,982
	1951-52	2,782	4,369	6,218	9,017	8,925	7,966	39,277	6,295	4,413	3,347	2,398	1,929	1,577	59,236
	1952-53	2,104	3,705	6,122	8,197	8,269	8,447	36,844	6,762	4,813	3,628	2,262	1,579	1,435	57,323
	1953-54(a)	1,820	3,508	6,004	8,744	9,693	9,304	39,073	6,854	5,332	4,823	3,125	2,455	1,994	63,656
Queensland	1938-39	4,055	4,424	4,730	5,502	6,897	7,097	32,705	5,446	6,860	7,633	6,361	5,631	4,283	68,919
	1950-51	2,271	2,865	3,513	4,558	5,266	6,196	24,669	5,899	5,409	4,701	3,189	2,027	1,553	47,447
	1951-52	1,727	1,700	1,571	2,061	1,827	1,534	10,420	2,140	2,221	3,314	3,473	3,261	3,021	27,850
	1952-53	2,826	3,035	3,689	4,194	4,254	4,303	22,301	4,225	5,014	5,680	4,697	3,914	3,178	49,009
	1953-54(a)	2,587	2,250	2,442	2,852	3,743	3,932	17,806	4,988	5,226	5,567	3,586	2,644	1,977	41,794
South Australia	1938-39	604	761	1,000	987	802	712	4,866	514	434	466	473	470	614	7,837
	1950-51	597	794	898	977	897	678	4,841	565	394	343	300	421	513	7,377
	1951-52	637	835	863	1,060	929	703	5,027	587	453	387	337	435	541	7,767
	1952-53	681	770	930	1,022	868	855	5,126	642	448	359	303	324	428	7,630
	1953-54(a)	525	675	862	998	922	813	4,795	555	425	392	329	455	629	7,580
Western Australia	1938-39	506	680	810	957	949	732	4,634	483	317	257	194	274	385	6,544
	1950-51	602	773	907	1,029	973	763	5,047	472	191	119	113	323	532	6,797
	1951-52	734	828	943	1,101	957	718	5,281	394	154	87	103	250	436	6,705
	1952-53	657	740	912	1,033	933	806	5,081	444	177	103	91	201	383	6,480
	1953-54(a)	526	668	838	988	949	798	4,767	445	184	91	91	232	452	6,262
Tasmania	1938-39	89	137	275	470	657	695	2,323	538	303	291	234	193	172	4,054
	1950-51	81	166	420	806	965	996	3,434	831	531	427	272	133	82	5,710
	1951-52	102	194	466	912	1,018	1,025	3,717	898	630	451	257	136	81	6,170
	1952-53	82	202	547	876	1,018	1,125	3,850	886	577	399	177	95	75	6,059
	1953-54(a)	74	212	507	917	1,129	1,174	4,013	979	729	684	458	271	135	7,269
AUSTRALIA:	1938-39	9,415	11,645	15,531	20,485	22,561	20,710	100,347	15,872	15,816	17,729	16,583	15,568	12,871	194,783
	1950-51	7,338	10,355	14,417	19,897	21,245	20,629	93,881	18,181	13,791	12,619	8,841	6,584	5,734	159,631
	1951-52	7,013	9,119	11,511	16,748	16,051	13,889	74,331	12,337	9,501	10,197	9,132	8,219	7,449	131,166
	1952-53	7,862	10,325	15,139	19,329	19,468	19,537	91,660	16,905	15,053	14,063	10,440	8,286	7,181	163,588
	1953-54(a)	6,951	8,919	12,798	17,504	19,664	18,606	84,442	17,051	15,416	15,468	9,936	7,651	6,298	156,252

(a) Subject to revision.

TABLE 11 : EXPORTS OF BUTTER (a) TO VARIOUS COUNTRIES : AUSTRALIA
(Tons of 2,240 lb.)

Country to which exported	1938-39 (b)	1950-51	1951-52	1952-53	1953-54(c)
United Kingdom ..	96,898	43,333	4,505	32,153	28,988
Australian Territories	123	200	216	203	205
Canada	-	-	1	-	1
Ceylon	357	935	762	919	926
Guiana (British) ..	27	357	275	133	146
Hong Kong	366	847	482	682	1,000
India	126	363	362	217	282
Malaya, Federation of ..	764	607	1,350	852	774
Malta	90	312	85	256	386
Mauritius	66	155	205	209	208
Singapore	(d)	1,427	1,003	1,442	1,376
Union of South Africa ..	-	344	-	85	81
West Indies	56	932	1,036	770	491
Other British Countries ..	210	1,575	471	613	654
Total British Countries:	99,083	51,387	10,753	38,534	35,518
China	170	101	63	2	23
Egypt	646	1,135	900	574	479
France	-	12	-	4,755	2
French Dependencies ..	54	154	106	409	205
Indonesia	1,970	19	17	98	29
Italy	-	405	4	2,146	-
Japan	-	145	154	1,795	795
Philippines	411	186	112	176	164
Other Foreign Countries ..	(e) 147	1,514	542	1,563	2,870
Total Foreign Countries:	3,398	3,671	1,898	11,518	4,567
GRAND TOTAL:	102,481	55,058	12,651	50,052	40,085

(a) Includes Ghee expressed as Butter, but excludes Ships' Stores. (b) Excludes Ghee. (c) Subject to revision. (d) Included in Federation of Malaya. (e) Includes Palestine 1938-39, 61 tons.

12. **BULK BUTTER GRADED FOR EXPORT:** All Butter exported comes under the provisions of the Exports (Dairy Produce) Regulations and is subject to supervision, inspection and examination by officers appointed for that purpose. Grading is carried out according to quality which is fixed by regulation as follows:- Flavour and aroma, 50 points; texture, 30 points; condition, 20 points. Butter graded at 93 to 100 points is of choicest quality; at 90 to 92 points, first quality; at 86 to 89 points, second quality; and at 80 to 85 points, pastry or cooking quality.

The following table shows particulars of the quantities and relative proportions of bulk butter graded for export according to quality for the years 1938-39 and 1950-51 to 1953-54.

TABLE 12 : BULK BUTTER GRADED FOR EXPORT
(Source : Department of Commerce and Agriculture)

Year	Choicest Quality		First Quality		Second and Pastry Quality (a)		Total	
	Tons	%	Tons	%	Tons	%	Tons	%
1938-39	56,535	54.3	35,081	33.7	12,504	12.0	104,120	100.0
1950-51	31,108	50.3	25,152	40.7	5,579	9.0	61,839	100.0
1951-52	17,930	56.4	10,898	34.3	2,964	9.3	31,792	100.0
1952-53	31,319	48.8	25,469	39.7	7,369	11.5	64,157	100.0
1953-54								
N.S.W.	58	12.1	35	7.3	387	80.6	480	100.0
Vic.	20,131	69.6	6,437	22.2	2,379	8.2	28,947	100.0
Q'ld.	5,021	20.9	16,573	69.0	2,433	10.1	24,027	100.0
S.A.	10	0.7	701	50.7	672	48.6	1,383	100.0
W.A.	-	-	-	-	44	100.0	44	100.0
Tas.	1,999	50.4	1,357	34.2	611	15.4	3,967	100.0
TOTAL:	27,219	46.2	25,103	42.7	6,526	11.1	58,848	100.0

(a) Includes Rejected.

13. PRODUCTION, EXPORTS AND CONSUMPTION OF BUTTER - AUSTRALIA: Details of the production, exports and consumption of butter for Australia for the years 1938-39 and 1949-50 to 1953-54 are shown in the following table:-

TABLE 13 : PRODUCTION, EXPORTS AND CONSUMPTION OF BUTTER : AUSTRALIA

Year ended 30th June	Changes in Stock (a)	Production (Factory & Farm)	Exports (b)		Available for Consumption in Australia	
			Quantity	Proportion of Production	Quantity	Per Head
	Tons	Tons	Tons	%	Tons	lb.
1939	(c)	203,500	(d)102,834	50.5	100,666	32.5
1950	(+) 801	173,599	81,949	47.2	90,849	25.3
1951	(-) 5,866	163,934	55,224	33.7	114,576	30.9
1952	(+) 3,494	135,319	12,941	9.6	118,884	31.2
1953	(+) 2,449	167,481	50,525	30.2	114,507	29.3
1954(e)	(-) 2,585	160,117	40,535	25.3	122,167	30.7

(a) Includes allowance for imports and for movements in stocks other than those held in main cold stores. (b) Includes Ghee expressed as Butter as well as Butter shipped as Ships' Stores. (c) Not available. (d) Excludes Ghee. (e) Subject to revision.

Note: The rationing of butter in Australia commenced on 7th June, 1943 at the rate of 8 oz. per head per week. On 5th June, 1944, this rate was reduced to 6 oz. per head per week, continuing at this level until 16th June, 1950, when rationing of butter in Australia ceased.

14. STOCKS OF BUTTER HELD IN MAIN COLD STORES - AUSTRALIA: In the following table details of the stocks of butter held in main cold stores are given as at the end of each month from July, 1948 to June, 1954.

TABLE 14 : STOCKS OF BUTTER HELD IN MAIN COLD STORES - AUSTRALIA

(Source : Australian Dairy Produce Board)

(Tons of 2,240 lb.)

End of Month	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54
July	6,351	5,491	6,668	1,499	7,819	4,980
August	5,920	4,083	5,893	773	7,270	3,098
September	10,530	8,602	5,395	4,093	8,641	3,761
October	11,298	12,934	7,723	8,249	9,062	6,174
November	10,895	14,589	12,938	12,781	12,504	11,795
December	16,316	14,796	16,285	15,310	18,635	19,027
January	14,125	14,893	15,549	15,574	22,482	21,265
February	11,813	14,960	15,245	15,174	24,147	22,477
March	13,370	15,881	16,198	15,515	24,267	23,947
April	11,147	15,440	11,493	13,726	20,003	18,835
May	8,398	11,004	6,831	11,291	15,936	13,368
June	6,100	8,324	3,458	7,380	9,994	8,059

15. BUTTER PRICES - AUSTRALIA AND UNITED KINGDOM

(1) Wholesale Price in Australia: A statement on price movements to 6th March, 1942 was given in an earlier issue of this Bulletin (Volume 6, No. 4). In a subsequent issue of the Bulletin (Volume 11, No. 8) details were given of the prices fixed by the Commonwealth Prices Commissioner until the control of prices was transferred to State Governments on 20th September, 1948. Prices have remained unchanged since 1st July, 1952. Details of prices operating in each of the States from 20th September, 1948 are shown in the following table:-

TABLE 15 : WHOLESALE PRICES OF BUTTER (a)
(s.d. per cwt. - Australian currency)

Date from which Prices Became Effective	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania
20th September, 1948	215.10	215.10	215.10	215.10	220.6	215.10
29th August, 1951	269.11.6		269.11.6			
1st September, 1951		312. 8		312. 8	317.4	312. 8
17th October, 1951	312. 8		312. 8			
1st July, 1952	417. 8	417. 8	417. 8	417. 8	422.4	417. 8

(a) Maximum prices fixed by State Governments for bulk butter.

(ii) **Contract Prices:** The price of Australian butter and dry butter fat sold to the United Kingdom has been fixed in accordance with the terms of the several contracts between the two Governments, particulars of which are shown in the following table.

The Commonwealth Government announced in September, 1948, an extension of the agreement under which the United Kingdom purchases Australian dairy products for an additional seven years from 30th June, 1948. The negotiated prices for butter, shown below for the year 1953-54, are subject to review in succeeding years of the agreement.

TABLE 16 : CONTRACT PRICES OF BUTTER : F.O.B. AUSTRALIAN PORTS
(s.d. per cwt.)

Year ended June	Choicest Grade		First Grade		Second Grade		Pastry Grade	
	Sterling	Aust. Currency	Sterling	Aust. Currency	Sterling	Aust. Currency	Sterling	Aust. Currency
1945	147. 9	184. 8½	146. 6	183. 1½	142. 11	178. 7½	140. 0	175. 0
1946	173. 6	216. 10½	172. 3	215. 4	168. 6	210. 7½	165. 6	206. 10½
1947	203. 6	254. 4½	202. 3	252. 10	198. 6	248. 1½	195. 6	244. 4½
1948	233. 6	291. 10½	232. 3	290. 3½	288. 6	285. 7½	225. 6	281. 10½
1949	251. 0	313. 9	249. 9	312. 4	246. 0	307. 6	243. 0	303. 9
1950	271. 6	339. 4½	270. 3	337. 9½	246. 0	307. 6	243. 0	303. 9
1951	292. 0	365. 0	290. 9	363. 5½	282. 0	352. 6	278. 0	347. 6
1952	314. 0	392. 6	312. 9	390. 11½	304. 0	380. 0	294. 0	367. 6
1953	326. 0	407. 6	324. 9	405. 11½	316. 0	395. 0	306. 0	382. 6
1954								

(iii) **Equalisation Rate:** Particulars of the average prices paid for butter sold locally and overseas in 1938-39 and in each year 1945-46 to 1951-52 together with the interim rates for the years 1952-53 to 1954-55 are included in Section 29 of this Bulletin dealing with Commonwealth Subsidies.

CHEESE

16. **ANNUAL PRODUCTION OF CHEESE - AUSTRALIA:** The production of cheese in 1953-54 was a record. Total production at 49,230 tons exceeded production in 1952-53 (the previous record) by 2,624 tons (5.6 per cent.) and the average for the years 1936-37 to 1938-39 by 24,382 tons (or 98.1 per cent.). All States, other than New South Wales, Queensland and Tasmania, showed increases in 1952-53 compared with 1938-39 production. The most noticeable increases over this period were in Victoria and Western Australia where production increased by 202.0 per cent. and 188.5 per cent. respectively.

The following table shows production of cheese in factories for each State and the grand total in factories and on farms for Australia in the years 1938-39 and 1948-49 to 1953-54.

TABLE 17 : PRODUCTION OF CHEESE
(Tons of 2,240 lb.)

Year ended 30th June	Factory Production							Grand Total Factory & Farm
	New South Wales	Vic-toria	Queens-land	South Aust-ralia	Western Aust-ralia	Tas-manian	Aust-ralia	
1939	3,211	8,637	7,031	8,239	436	1,420	28,976	29,304
1949	2,490	18,352	9,390	11,654	870	404	43,160	43,202
1950	2,827	21,193	9,050	10,587	701	418	44,776	44,796
1951	2,960	22,570	8,678	8,932	748	412	44,300	44,309
1952	1,995	22,240	4,700	10,615	624	408	40,582	40,598
1953	3,162	22,377	9,439	10,454	895	265	46,592	46,606
1954(a)	3,208	26,085	6,749	11,627	1,258	292	49,219	49,230

(a) Subject to revision.

17. **MONTHLY FACTORY PRODUCTION OF CHEESE - AUSTRALIA:** Monthly and annual details of production of cheese in factories in the various States during each of the years ended June, 1939 and 1951 to 1954, are given in the table on the opposite page.

TABLE 18 : MONTHLY FACTORY PRODUCTION OF CHEESE : STATES
(Tons of 2,240 lb.)

State	Year	July	August	Sept.	Oct.	Nov.	Dec.	Total 4-Year	Jan.	Feb.	March	April	May	June	Total Year
New South Wales	1938-39	113	108	173	314	408	383	1,499	286	288	308	323	280	228	3,212
	1950-51	65	102	236	386	426	473	1,688	417	335	271	135	69	45	2,960
	1951-52	44	55	160	300	328	228	1,115	168	88	176	194	154	100	1,995
	1952-53	91	132	282	427	437	377	1,746	389	329	291	178	116	113	3,162
	1953-54 (a)	113	170	358	487	477	356	1,961	310	274	291	199	108	65	3,208
Victoria	1938-39	288	436	839	1,507	1,534	1,259	5,863	664	373	359	358	511	509	8,637
	1950-51	668	1,427	2,578	3,686	3,841	3,322	15,522	2,342	1,222	1,360	870	660	594	22,570
	1951-52	859	1,475	2,528	3,560	3,573	3,359	15,354	2,397	1,578	1,202	781	516	412	22,240
	1952-53	642	1,456	2,491	3,535	3,688	3,481	15,293	2,728	1,793	1,227	652	376	308	22,377
	1953-54 (a)	612	1,537	2,893	4,135	4,250	4,083	17,510	2,907	2,018	1,663	941	553	493	26,085
Queensland	1938-39	486	559	600	588	650	680	3,563	534	606	682	586	576	483	7,030
	1950-51	411	635	839	966	1,050	1,120	5,021	933	886	739	458	319	322	8,678
	1951-52	430	425	453	491	333	217	2,349	233	177	387	457	521	576	4,700
	1952-53	682	849	936	958	928	805	5,158	710	681	839	726	698	627	9,439
	1953-54 (a)	584	542	584	595	582	536	3,423	688	641	754	502	394	347	6,749
South Australia	1938-39	548	715	998	1,342	1,079	826	5,508	531	353	382	339	481	645	8,239
	1950-51	465	778	1,273	1,735	1,642	1,082	6,975	638	279	199	151	246	444	8,932
	1951-52	762	1,048	1,412	1,752	1,679	1,197	7,850	817	539	358	236	339	476	10,615
	1952-53	740	1,087	1,418	1,753	1,682	1,448	8,128	915	431	208	150	246	376	10,454
	1953-54 (a)	601	955	1,394	1,909	1,829	1,445	8,133	1,040	617	335	225	544	733	11,627
Western Australia	1938-39	37	43	76	98	96	37	387	18	6	6	5	5	8	435
	1950-51	45	78	128	163	133	88	635	35	9	4	2	26	37	748
	1951-52	40	46	102	139	122	75	524	27	4	1	2	28	38	624
	1952-53	63	83	112	133	134	126	651	77	17	28	29	38	55	895
	1953-54 (a)	76	123	161	207	202	175	944	101	30	20	22	54	87	1,258
Tasmania	1938-39	45	89	134	179	223	277	947	179	89	89	45	45	27	1,421
	1950-51	-	-	10	39	83	90	222	77	52	39	19	3	-	412
	1951-52	-	1	11	48	77	82	219	73	56	41	12	7	-	408
	1952-53	-	-	7	31	54	60	152	50	36	23	4	-	-	265
	1953-54 (a)	-	-	7	39	52	50	148	47	34	31	18	14	-	292
COMMONWEALTH TOTAL:	1938-39	1,517	1,950	2,820	4,028	3,990	3,462	17,767	2,212	1,715	1,826	1,656	1,898	1,900	28,974
	1950-51	1,654	3,020	5,064	6,975	7,175	6,175	30,063	4,442	2,783	2,612	1,635	1,323	1,442	44,300
	1951-52	2,135	3,050	4,666	6,290	6,112	5,158	27,411	3,715	2,442	2,165	1,682	1,565	1,602	40,582
	1952-53	2,218	3,607	5,246	6,837	6,923	6,297	31,128	4,869	3,237	2,616	1,739	1,474	1,479	46,592
	1953-54 (a)	1,986	3,327	5,397	7,372	7,392	6,645	32,119	5,093	3,614	3,094	1,907	1,667	1,725	49,219

(a) Subject to revision.

18. OVERSEA EXPORTS OF CHEESE: In the table below, details are given of the quantity of cheese exported from Australia during the years 1938-39, and 1950-51 to 1953-54.

The quantity of cheese exported during 1953-54, viz. 23,000 tons, exceeded exports during the pre-war year 1938-39, by 7,000 tons, (43.0 per cent.), but was 700 tons (3.1 per cent.) lower than in 1952-53. In 1938-39, the United Kingdom received 97 per cent. of Australia's exports compared with 79 per cent. in 1953-54.

TABLE 19 : EXPORTS OF CHEESE TO VARIOUS COUNTRIES : AUSTRALIA
(Tons of 2,240 lb.)

Country to which exported	1938-39	1950-51	1951-52	1952-53	1953-54 (c)
Australian Territories	-	-	-	-	66
United Kingdom ..	15,535	14,170	13,232	17,644	18,085
Ceylon	13	197	189	191	169
Hong Kong	88	170	280	326	165
India	57	194	313	246	253
Malta	-	240	106	172	248
Malaya, Federation of	90	354	315	75	43
Singapore	(a)	281	268	361	289
Union of South Africa ..	-	55	14	70	2
West Indies	-	738	568	269	108
Other British Countries	34	1,039	484	544	489
<u>Total British Countries:</u>	15,817	17,438	15,769	19,898	19,917
China	37	-	-	-	3
Egypt	67	1,077	1,070	718	679
French Dependencies ..	21	58	69	73	63
Indonesia	27	19	37	28	32
Israel	(b)	403	200	308	120
Japan	-	69	145	675	698
Lebanon	(b)	366	69	162	91
Philippines	65	136	340	677	716
Other Foreign Countries	4	430	299	1,125	623
<u>Total Foreign Countries:</u>	221	2,558	2,229	3,766	3,025
<u>GRAND TOTAL:</u>	16,038	19,996	17,998	23,664	22,942

(a) Included with Federation of Malaya. (b) Not available separately. (c) Subject to revision.

19. BULK CHEESE GRADED FOR EXPORT: As with butter, cheese exported comes under the provisions of the Exports (Dairy Produce) Regulations and is graded according to quality in a similar manner to butter (See Section 12, ante). Cheese graded at 93 to 100 points is of choicest quality; at 90 to 92 points, first quality; at 86 to 89 points, second quality; and at 80 to 85 points, third quality.

The following table shows particulars of the quantities and relative proportions of bulk cheese graded for export according to quality for the years 1938-39 and 1950-51 to 1953-54.

TABLE 20 : BULK CHEESE GRADED FOR EXPORT
(Source : Department of Commerce and Agriculture)

Year	Choicest Quality		First Quality		Second and Third Quality (a)		Total	
	Tons	%	Tons	%	Tons	%	Tons	%
1938-39	2,896	17.7	7,758	47.4	5,713	34.9	16,367	100.0
1950-51	441	2.8	10,761	68.5	4,511	28.7	15,713	100.0
1951-52	526	3.4	10,921	70.7	3,992	25.9	15,439	100.0
1952-53	561	3.3	13,575	80.0	2,834	16.7	16,970	100.0
1953-54 -								
New South Wales	-	-	137	66.2	70	33.8	207	100.0
Victoria	203	1.8	9,726	83.8	1,676	14.4	11,605	100.0
Queensland	-	-	686	65.7	359	34.3	1,045	100.0
South Australia	117	2.0	5,034	84.6	795	13.4	5,946	100.0
Western Australia	-	-	-	-	-	-	-	-
Tasmania	-	-	-	-	-	-	-	-
<u>Total:</u>	320	1.7	15,583	82.9	2,900	15.4	18,803	100.0

(a) Includes Rejected.

20. **PRODUCTION, EXPORTS AND CONSUMPTION OF CHEESE - AUSTRALIA:** Details of the production, exports and consumption of cheese for Australia for the years 1938-39 and 1949-50 to 1953-54 are shown in the following table.

TABLE 21 : PRODUCTION, EXPORTS AND CONSUMPTION OF CHEESE : AUSTRALIA

Year ended June	Changes in Stock	Production (Factory and Farm)	Exports (a)		Available for Consump- tion in Australia	
			Quantity	Proportion of Production	Quantity	Per Head
	Tons	Tons	Tons	%	Tons	lb.
1939	(b)	29,304	16,063	54.7	13,241	4.3
1950	(-) 1,005	44,796	23,065	51.5	22,736	6.3
1951	(+) 13	44,310	20,084	45.3	24,213	6.5
1952	(-) 129	40,598	17,936	44.3	22,791	6.0
1953	(-) 63	46,606	23,666	50.8	23,003	5.9
1954(c)	(+) 443	49,230	22,652	46.0	26,135	6.6

(a) Includes Ships' Stores after allowance for a small quantity of cheese imported.

(b) Not available. (c) Subject to revision.

21. **STOCKS OF CHEESE HELD IN MAIN COLD STORES - AUSTRALIA:** In the following table details of the stocks of cheese held in the main cold stores are given as at the end of each month from July, 1948 to June, 1954.

TABLE 22 : STOCKS OF CHEESE HELD IN MAIN COLD STORES - AUSTRALIA

(Source : Australian Dairy Produce Board)

(Tons of 2,240 lb.)

End of Month	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54
July ..	3,688	1,396	1,001	1,705	1,305	1,014
August ..	2,325	1,391	957	1,727	1,939	1,107
September ..	4,033	2,283	1,805	1,823	2,575	2,075
October ..	3,949	4,067	4,165	2,894	3,657	3,829
November ..	5,731	4,188	6,137	3,734	4,012	4,163
December ..	4,963	4,855	5,759	4,643	4,520	6,051
January ..	4,567	4,682	4,568	4,144	5,467	4,996
February ..	3,647	3,831	4,227	4,111	3,618	3,912
March ..	3,508	3,488	4,060	3,407	3,347	3,729
April ..	2,441	2,478	3,024	2,834	3,172	3,117
May ..	2,835	2,111	2,128	1,817	2,459	2,593
June ..	2,686	1,681	1,694	1,565	1,502	1,945

22. **CHEESE PRICES - AUSTRALIA AND UNITED KINGDOM:**

(i) **Wholesale Price in Australia:** A statement on the movements in the wholesale price for cheese in Australia up to 20th September, 1948 was given in a previous issue of this Bulletin (Vol. 11, No. 8). On that date the control of prices was transferred from the Commonwealth to State Governments. Details of the maximum wholesale prices for cheese operating in each of the States from 20th September, 1948 are shown in the following table. No changes have been made since July, 1952.

TABLE 23 : WHOLESALE PRICES OF CHEESE (a)

(s.d. per cwt. - Australian Currency)

Date from which Prices Became Effective	New South Wales	Victoria	Queens- land	South Australia	Western Australia	Tasmania
20th September, 1948	130. 8	130. 8	130. 8	130. 8	(b)	130. 8
29th August, 1951			170. 4			
21st September, 1951	170. 4					
1st October, 1951		200. 8		200. 8		200. 8
17th October, 1951	200. 8		200. 8			
1st July, 1952	256. 8	256. 8	256. 8	256. 8		256. 8

(a) Maximum prices fixed by State Governments for bulk cheese. (b) Not available.

(ii) **Contract Prices:** As in the case of butter, contracts have been negotiated between the Governments of the Commonwealth and the United Kingdom for the sale of cheese. Prices under the relevant contracts are shown in the table below for the years 1944-45 to 1953-54.

In Section 15 (11) of this Bulletin, reference is made to the extension announced in September, 1948, of the agreement under which the United Kingdom purchases Australian dairy products, for an additional seven years from 30th June, 1948. As with butter prices, the prices shown below for cheese for 1953-54 are subject to review in succeeding years of the agreement.

TABLE 24 : CONTRACT PRICES OF CHEESE : F.O.B. AUSTRALIAN PORTS
(s.d. per cwt)

Year ended June	Choiceest and First Grade		Second Grade		Third Grade	
	Sterling	Australian Currency	Sterling	Australian Currency	Sterling	Australian Currency
1945	86. 0	107. 6	84. 0	105. 0	82. 0	102. 6
1946	86. 0	107. 6	84. 0	105. 0	82. 0	102. 6
1947	101. 0	126. 3	99. 0	123. 9	97. 0	121. 3
1948	116. 6	145. 7½	114. 6	143. 1½	112. 6	140. 7½
1949	131. 6	164. 4½	129. 6	161. 10½	127. 6	159. 4½
1950	140. 0	175. 0	138. 0	172. 6	136. 0	170. 0
1951	151. 0	188. 9	138. 0	172. 6	136. 0	170. 0
1952	161. 6	201. 10½	151. 6	189. 4½	141. 6	176. 10½
1953	176. 0	220. 0	166. 0	207. 6	156. 0	195. 0
1954	182. 6	228. 1½	172. 6	215. 7½	162. 6	203. 1½

(111) Equalisation rate: Particulars of the average prices paid for cheese sold locally and overseas in 1938-39 and in each year 1945-46 to 1951-52 together with the interim rates for the years 1952-53 to 1954-55 are included in Section 29 of this Bulletin, dealing with Commonwealth Subsidies.

PRESERVED MILK PRODUCTS

23. ANNUAL PRODUCTION OF PRESERVED MILK PRODUCTS - AUSTRALIA: In addition to the production of butter and cheese, considerable quantities of wholemilk are used in the production of preserved milk products. In 1938-39, 33.4 million gallons (2.8 per cent. of the total production) were used in this way but by 1953-54 this has increased to 73.2 million gallons (6.2 per cent. of the total production). The actual quantities used for condensary products increased by 39.9 million gallons (119.5 per cent.) over this period. The 73.2 million gallons used in 1953-54 was 10.4 million gallons (12.4 per cent.) less than the quantity used in the previous year.

Condensed milk production in 1953-54, at 42,029 tons was lower than the quantity produced in 1952-53 by 13,460 tons (24.3 per cent.) but was 26,510 tons (170.8 per cent.) greater than the 1938-39 figure. Production of powdered milk (both full cream and skim) increased from 10,712 tons in 1938-39 to 36,931 tons in 1952-53 and 37,548 tons in 1953-54.

Particulars of the production of preserved milk products and the quantity of milk used in their manufacture for the years 1938-39 and 1949-50 to 1953-54 are given in the following table.

TABLE 25 : PRODUCTION OF CONDENSED, POWDERED, ETC. MILK
PRODUCTS : AUSTRALIA

Year	Full Cream Milk Products				Total	Milk By-Products	
	Condensed Milk (sweetened and Unsweetened)	Concentrated Whole Milk(a)	Powdered Full Cream Milk	Infants' and Invalids' and Foods (incl. Malted Milk and Milk Sugar)	Whole Milk Equivalent of Full Cream Milk Products	Powdered Skim Milk	Powdered Buttermilk and Whey
	Tons	Tons	Tons	Tons	'000 gals.	Tons	Tons
1938-39	15,519	(b) 6,59	10,712	(c) 1,259	33,367	(d)	(e) 556
1949-50	49,767	17,270	22,539	10,531	89,565	9,393	2,989
1950-51	50,507	18,351	17,594	12,100	84,828	6,583	3,192
1951-52	52,467	16,743	15,121	12,066	76,324	10,887	2,938
1952-53	55,385	14,047	22,211	10,042	83,635	16,103	4,073
1953-54(f)	42,029	17,638	18,638	11,597	73,230	18,911	4,937

(a) Principally for use in ice-cream manufacture. (b) Details not collected from all producers. (c) Malted Milk and Milk Sugar only. (d) Not available; included with Powdered Milk, Full Cream. (e) Powdered Buttermilk only. (f) Subject to revision

24. MONTHLY PRODUCTION OF PRESERVED MILK PRODUCTS - AUSTRALIA: The following table shows particulars of monthly, six-monthly and annual production of condensed, concentrated and powdered milk and infants' foods together with the quantity of whole milk used in their manufacture for the period January, 1953 to June, 1954.

TABLE 26 : MONTHLY PRODUCTION OF CONDENSED, POWDERED ETC. MILK PRODUCTS

AUSTRALIA

Year	Full Cream Milk Products				Total Whole Milk Equivalent of Full Cream Milk Products	Milk By-Products	
	Condensed Milk (Sweetened and Unsweetened)	Concentrated Whole Milk (a)	Powdered Full Cream Milk	Infants' and Invalids' Foods (Incl. Malted Milk and Milk Sugar)		Powdered Skim Milk	Powdered Buttermilk and Whey
	Tons	Tons	Tons	Tons	'000 gals.	Tons	Tons
1953 -							
January	5,447	1,619	2,683	942	9,045	2,055	522
February	3,445	1,180	1,958	950	6,674	1,596	358
March	3,248	1,089	1,350	1,050	5,270	1,259	249
April	2,139	618	960	502	3,466	704	211
May	1,532	359	623	780	2,659	446	183
June	1,196	322	578	841	2,482	248	164
TOTAL: Jan.-June	17,007	5,187	8,152	5,065	29,596	6,308	1,687
1953 (b) -							
July	1,484	556	900	900	3,096	338	196
August	2,598	1,043	1,497	1,024	5,136	967	361
September	4,141	1,988	2,006	1,233	7,730	1,925	310
October	6,339	2,392	2,273	1,250	9,904	3,040	647
November	7,331	2,297	2,222	1,102	10,175	2,964	621
December	6,572	2,128	2,209	1,177	9,677	2,794	528
TOTAL: July-Dec.	28,465	10,404	11,107	6,686	45,718	12,028	2,663
1954 (b) -							
January	3,515	2,192	2,034	1,103	7,520	2,115	615
February	2,630	1,595	1,625	852	5,496	1,853	423
March	2,640	1,516	1,436	950	5,125	1,497	408
April	2,014	1,102	1,120	613	4,071	655	349
May	1,564	439	671	718	2,922	449	241
June	1,201	372	644	675	2,378	314	238
TOTAL: Jan.-June	13,564	7,216	7,530	4,911	27,512	6,883	2,274
TOTAL: YEAR 1953-54	42,029	17,620	18,637	11,597	73,230	18,911	4,937

(a) Principally for use in ice-cream manufactures. (b) Subject to revision.

25. OVERSEA EXPORTS OF PRESERVED MILK PRODUCTS - AUSTRALIA: The following table shows particulars of the oversea exports of Preserved Milk Products during the years 1938-39 and 1949-50 to 1953-54.

TABLE 27 : OVERSEA EXPORTS OF PRESERVED MILK PRODUCTS (a) : AUSTRALIA
(Tons of 2,240 lb.)

Year	Preserved, Condensed, Concentrated, etc. (b)		Dried or in Powdered Form				
	Sweetened Full Cream	Unsweetened	Full Cream	Skim	Infants' and Invalids' Foods		Malted Milk
					Essentially of Milk	Other	
1938-39	5,613	337	1,340	257	731	(c)	252
1949-50	31,471	831	10,654	8,514	3,351	2,209	1,222
1950-51	32,590	2,052	7,587	3,821	2,698	2,864	1,006
1951-52	29,692	1,070	5,621	7,077	2,839	2,500	1,054
1952-53	37,908	2,056	12,215	13,786	1,898	2,064	1,414
1953-54(d)	25,363	1,537	8,143	15,563	2,637	1,949	1,724

(a) Excludes Ships' Stores. (b) Excludes Sweetened Condensed Skim Milk amounting to 1 ton in 1949-50, 5 tons in 1950-51, 2 tons in 1951-52, 31 tons in 1952-53 and 42 tons in 1953-54. (c) Less than half of one ton. (d) Subject to revision.

BUTTER, CHEESE AND CONDENSED, ETC. MILK FACTORIES

26. SUMMARY OF STATISTICS - AUSTRALIA: The following table furnishes a summary of the principal statistics relating to factories engaged in the production of butter, cheese and preserved milk products. Further details will be found in *Manufacturing Industries Bulletin*, No. 21 - "Butter, Cheese and Condensed, Concentrated, etc. Milk", published by this Bureau.

TABLE 28 : BUTTER, CHEESE AND CONDENSED, CONCENTRATED, ETC. MILKFACTORIES : AUSTRALIA

Year	Factories (1)	Persons Employed (a) (2)	Salaries & Wages Paid (b) (3)	Power, Fuel and Light etc. Used (4)	Value of Other Materials etc. Used (c) (5)	Value of Production (d) (6)	Value of Output (7)
	Number	Number	£'000	£'000	£'000	£'000	£'000
1938-39	523	6,851	1,570	390	29,162	3,543	33,095
1947-48	449	9,642	3,578	874	44,419	7,110	52,403
1948-49	434	10,016	4,237	1,070	52,837	7,335	61,242
1949-50	428	10,469	4,941	1,340	60,762	8,099	70,201
1950-51	409	10,707	6,020	1,504	61,581	10,790	73,875
1951-52	399	10,473	7,186	1,837	68,038	12,535	82,410
1952-53	384	10,641	8,098	2,339	97,291	14,350	113,980

(a) Includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors.
(c) Includes also value of containers, packing, etc., replacements of tools and repairs to plant. (d) Value of production equals column (7) less the sum of columns (4) and (5).

TABLE 29 : BUTTER, CHEESE AND CONDENSED, CONCENTRATED ETC. MILKFACTORIES : STATES, 1952-53

Particulars	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Australia
Number of Factories ..	79	138	89	40	15	23	384
Number Employed (a)							
Males ..	2,006	4,533	1,408	725	266	281	9,219
Females ..	276	702	206	116	56	66	1,422
Total	2,282	5,235	1,614	841	322	347	10,641
Value of Salaries & Wages paid (b)	£	£	£	£	£	£	£
Power, Fuel and Light etc. used ..	1,779,275	4,171,807	1,085,975	589,854	241,978	229,147	8,098,036
Materials etc. used ..	658,364	1,209,464	217,080	130,897	70,864	51,984	2,338,653
Production (c)	19,639,295	40,295,142	25,905,951	5,533,247	3,124,819	2,792,769	97,291,223
Output ..	2,978,237	7,619,777	1,902,983	863,297	549,349	436,419	14,350,062
Land and Buildings ..	23,275,896	49,124,383	28,026,014	6,527,441	3,745,032	3,281,172	113,979,938
Plant and Machinery ..	2,302,927	3,279,320	1,196,076	426,858	142,591	223,418	7,571,190
Horse-power of Engines Ordinarily in use ..	3,119,470	4,743,009	1,460,871	403,870	281,442	236,176	10,249,838
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
	24,246	30,664	20,100	5,442	1,876	2,100	84,428

(a) Average over whole year; includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors. (c) See Note (d) to Table 28.

CASEIN

27. PRODUCTION, IMPORTS, EXPORTS AND UTILIZATION : AUSTRALIA: In the following table particulars of the quantities of casein produced, imported, exported and available for utilization in Australia are shown for the years 1938-39 and 1949-50 to 1953-54.

TABLE 30 : PRODUCTION, IMPORTS, EXPORTS AND UTILIZATION OF CASEIN : AUSTRALIA.
(Tons of 2,240 lb.)

Year	Net Change in Factory Stocks	Production	Imports	Total Supplies	Exports	Quantity available for Utilisation in Australia
1938-39	(a)	2,592	23	2,615	132	2,483
1949-50	(+) 33	3,566	-	3,533	710	2,823
1950-51	(+) 65	4,760	-	4,695	2,467	2,228
1951-52	(-) 33	4,131	117	4,281	805	3,476
1952-53	(a)	2,621	50	2,671	938	1,733
1953-54(b)	(a)	3,756	-	3,756	1,786	1,970

(a) Not available.

(b) Subject to revision.

28. CASEIN EQUALISATION PLAN: Details of the equalisation plan operated by the Casein Equalisation Committee from July, 1946 to September, 1949, were given in Volume 7, No.8 of this Bulletin, and of the current plan operated by the Casein Equalisation advisory Committee in Volume 16, No. 7 of this Bulletin.

The average realization for the period 21st January, 1952 to 30th June, 1952 was 144s. 7.4d. per cwt. After due consideration of the proportion of local and export sales already affected, an interim equalisation value of 147s. 0d. per cwt. was fixed for the year ending 30th June, 1953.

ASSISTANCE TO DAIRYING INDUSTRY29. SUBSIDIES

(1) Butter, Cheese and Processed Milk Products: Under the provision of the various Dairy Industry Assistance Acts, the first of which was passed in 1942, the Commonwealth Government has provided subsidies on milk supplied for the manufacture of butter, cheese and processed milk products. Subsidies were paid on a seasonal basis prior to 1st April, 1946, but from that date have been on a flat rate basis. The payment of Commonwealth Subsidy on milk supplied for the manufacture of processed milks was discontinued from 1st July, 1948 but was resumed on 1st July, 1949 and ceased again from 1st July, 1952.

The table on the following page shows particulars of the rates realized on local, interstate and overseas sales and the average equalisation and subsidy rates in operation for the years ended June, 1939 and 1946 to 1955 in respect of butter and cheese. The average equalization and subsidy rates shown for 1951-52 and all rates including rate of overall return to manufacturers for 1952-53 to 1954-55 are of a tentative nature.

Under the new 5-year Stabilization Plan which came into operation on 1st July, 1952, the Commonwealth Government, with the approval of the States, determines the ex-factory prices of butter and cheese, guarantees to dairy farmers a return, based upon costs of efficient production, in respect of quantities of butter and cheese sold within the Commonwealth plus an additional 20% (if produced) and hence determines the amount of subsidy it will make available to lift the return on that part of output covered by the guarantee to the guaranteed level.

Amounts realized on exports of butter and cheese in excess of the f.o.b. equivalent of the guaranteed return have been credited to the Dairying Industry Stabilization Fund, which was established in July, 1948, for the purpose of stabilising returns from exports. During 1951-52 the Stabilization Fund met the deficiency in respect of all exports which did not return sufficient to meet the basic return to the factory. Since 1st July, 1952, it has been available to the industry to be used, in whatever manner considered desirable by it, to make good any deficiency in respect of all exports other than the 20% provided for under the Commonwealth Government's five year Stabilization Plan. After allowing for outstanding debits, the amount standing to the credit of the Dairying Industry Stabilisation Fund at 30th June, 1954 totalled approximately £1,948,000.

**TABLE 31 : BUTTER AND CHEESE : RATES REALIZED ON SALES, AVERAGE
EQUALIZATION RATES AND RATES OF COMMONWEALTH SUBSIDY UNDER DAIRY INDUSTRY**

ASSISTANCE ACTS

(Source : Commonwealth Dairy Produce Equalization Committee, Ltd.)

(Rates per cwt.)

(s.d.)

BUTTER

Year ended 30th June	Rates realized on Sales			Average Equalization Rate	Rate of Subsidy	Rate of Over- all Return to Manufacturers
	Local	Interstate	Overseas			
1939	154 5.5	146 5.5	121 7.5	136 3.5	-	136 3.5
1946	161 8.5	150 6.8	182 5.5	171 3.3	33 4.0	204 7.3
1947	162 1.6	150 4.1	210 3.8	183 3.0	30 8.3	213 11.3
1948	178 1.9	174 8.8	243 5.6	210 1.9	35 4.1	245 6.0
1949	209 9.0	197 3.5	267 0.6	237 6.7	28 11.3	266 6.0
1950	209 9.6	196 2.0	293 2.4	248 11.2	43 11.2	292 10.4
1951	208 6.4	193 11.9	307 11.2	241 8.4	82 3.9	324 0.3
1952	291 9.6	291 7.6	429 1.1	307 8.9	121 4.2	429 1.1
1953	(a)	(a)	(a)	(b)393 0.0	(b)85 0.0	(b)478 0.0
1954	(a)	(a)	(a)	(b)398 0.0	(b)83 0.0	(b)481 0.0
1955	(a)	(a)	(a)	(b)393 0.0	(b)79 0.0	(b)472 0.0

CHEESE

Year ended 30th June	Rates realized on Sales			Average Equalization Rate	Rate of Subsidy	Rate of Over- all Return to Manufacturers
	Local and Interstate		Overseas			
	As	As				
	Cheddar Cheese	Processed Cheese				
1939	94 8.6	81 1.3	59 3.2	71 7.6	-	71 7.6
1946	104 0.1	95 0.0	102 11.0	101 1.3	17 11.6	119 0.9
1947	103 11.2	95 0.6	116 5.2	109 2.2	13 8.9	122 11.1
1948	106 8.4	(c)	133 1.5	119 9.3	19 7.6	139 4.9
1949	123 7.0	(c)	148 7.9	138 1.0	11 3.9	149 4.9
1950	122 9.5	(c)	162 3.3	141 4.8	23 10.9	165 3.7
1951	123 9.8	(c)	171 4.2	144 1.6	37 10.9	182 0.5
1952	184 1.1	(c)	240 4.2	208 11.6	31 4.6	240 4.2
1953	(a)	(a)	(a)	(b)230 0.0	(b)32 0.0	(b)262 0.0
1954	(a)	(a)	(a)	(b)228 0.0	(b)32 0.0	(b)260 0.0
1955	(a)	(a)	(a)	(b)210 0.0	(b)24 6.0	(b)234 6.0

(a) Not yet available. (b) Rates are of an interim nature only. (c) Not applicable.

Note: The Australian Equalization Scheme excluded South Australia and Western Australia in respect of butter prior to April, 1946 and Western Australia in respect of cheese prior to January, 1947.

(11) Whole Milk: In addition to the subsidies referred to above the Commonwealth Government also subsidized the production of whole milk consumed directly for several years up to 1948-49. Details of the amounts distributed were given in a previous issue of this Bulletin (Vol. 12 No. 8).

30. DAIRY INDUSTRY EXTENSION GRANT: In a previous issue of this Bulletin (Vol. 11 No. 14) reference was made to the annual grant of £250,000 for five years from 1st July, 1948, by the Commonwealth Government, to be expended by State Governments for the purpose of promoting improved farming practices in the dairying industry. This assistance has been continued by the Commonwealth Government for a further period of five years from 1st July, 1953 again by means of annual grants of £250,000.

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