

# **THE DAIRYING INDUSTRY**

**YEAR ENDED JUNE 1972**

Reference No. 10.5

THE DAIRYING INDUSTRY, AUSTRALIA  
YEAR ENDED JUNE 1972

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**EXPLANATORY NOTES**

This issue includes detailed statistics for the year ended June 1972. Supplementary issues of this bulletin are published each month, but relate mainly to monthly particulars of the production and utilisation of whole milk.

While most of the statistical information contained in this bulletin has been collected and compiled in this Bureau, some data have also been obtained from the Department of Primary Industry, the Commonwealth Dairy Produce Equalisation Committee Ltd, and the Australian Dairy Produce Board, relative to Australian and overseas prices, bounties, and stocks of dairy produce held in main cold stores. To each of these authorities thanks are due for its valuable assistance and co-operation.

Table 4 includes revised seasonally adjusted figures for whole milk produced. In the seasonal adjustment, account has been taken of both normal seasonal factors and "trading-day" effects because the quantity of milk used for butter and cheesemaking is derived from the factory production of butter and cheese. Details of the methods used in seasonally adjusting this and other series are given in *Seasonally Adjusted Indicators, 1972* (Reference No. 1.10) issued on 6 July 1972.

**SYMBOLS AND USAGES**

The following symbols, where shown in columns of figures or elsewhere in tables mean -

- |      |   |
|------|---|
| n.a. | Not available   |
| ..   | Nil or less than half the final digit shown, or not applicable. |
| p    | Preliminary - figure or series subject to revision.             |

Any discrepancies between totals and sums of components in tables are due to rounding.

## I. DAIRY BULLS, AND COWS AND HEIFERS FOR MILK PRODUCTION

TABLE 1. - DAIRY BREED BULLS, AND COWS AND HEIFERS USED OR INTENDED FOR PRODUCTION OF MILK OR CREAM (Number)

31 March -	Bulls dairy breed (a)	Cows and heifers used or intended for production of milk or cream for sale			House cows and heifers (b)
		Cows (in milk and dry)	Heifers		
			1 year and over (b)	Under 1 year	
1968	81,512	2,793,650	754,587	689,038	169,384
1969	76,617	2,700,329	768,699	624,250	164,546
1970	69,297	2,673,358	702,982	631,383	156,305
1971	64,919	2,601,138	687,104	613,985	144,567
1972 -					
New South Wales	11,717	490,893	123,550	98,089	60,673
Victoria	31,645	1,257,860	321,291	308,150	21,443
Queensland	9,808	420,360	104,486	79,225	29,343
South Australia	5,016	144,573	39,070	36,531	6,782
Western Australia	2,580	96,532	35,706	33,516	5,885
Tasmania	2,724	154,895	36,967	36,093	3,861
Northern Territory	15	254	74	66	115
Aust. Cap. Territory	24	1,133	290	218	292
<b>Australia</b>	<b>63,529</b>	<b>2,566,500</b>	<b>661,434</b>	<b>591,888</b>	<b>128,394</b>

(a) Used or intended for service; exclude bull calves (under 1 year). (b) Kept primarily for rural holdings' own milk supply.

**Classification of holdings according to size of milk cattle herd.** A classification of holdings according to size of milk cattle herd, showing number of holdings in each size group for all States and Australia, is shown in the appendix at the end of this bulletin for the years ended 31 March 1969 to 1971. Similar tables with additional data relating to area of holding for the year 1970-71, are shown in the Six Months Ended December 1971 issue of this bulletin released on 9 June 1972.

Information for 1968-69 has been published in greater detail in a series of bulletins, one for each State and one for Australia, entitled *Classification of Rural Holdings by Size and Type of Activity* (Reference No. 10.28).

An abbreviated summary of the number of holdings classified according to size of milk cattle herd at 31 March 1966 and 1969 to 1971 is shown in the table below.

TABLE 2. - NUMBER OF HOLDINGS CLASSIFIED ACCORDING TO SIZE OF MILK CATTLE HERD, AUSTRALIA, 31 MARCH 1966 AND 1969 TO 1971

31 March -	Size of milk cattle herd (numbers)					Total holdings with milk cattle
	Under 10	10-29	30-59	60-99	100 and over	
1966	17,220	10,963	15,645	19,000	14,249	77,077
1969	14,851	7,961	11,963	15,078	14,335	64,188
1970	13,090	6,651	9,960	14,120	15,749	59,570
1971	11,731	6,075	8,948	12,708	15,398	54,860

## II. WHOLE MILK

TABLE 3. - PRODUCTION AND UTILISATION OF WHOLE MILK 1971-72  
('000 gal)

State	Quantity of whole milk used for -				Total whole milk
	Factory butter	Factory cheese	Processed milk products (a)	Other purposes (b)	
New South Wales	92,584	13,415	21,167	138,177	265,343
Victoria	594,895	77,251	90,482	111,591	874,219
Queensland	79,965	17,766	(c)	(c)	167,254
South Australia	27,535	40,841	"	33,196	101,572
Western Australia	26,702	3,579	1,288	26,791	58,360
Tasmania	69,181	13,025	(c)	(c)	100,855
Aust. Cap. Terr.	"	"	"	704	704
<b>AUSTRALIA</b>	<b>890,863</b>	<b>165,878</b>	<b>124,807</b>	<b>(d)386,830</b>	<b>(d)1,568,378</b>

(a) Quantities of milk used to produce two or more products (for example, initially as full cream milk and subsequently as skim milk) are counted once only. (b) Principally fluid milk for domestic purposes. Includes milk used for farm production of butter and cheese. (c) Not available for publication. (d) Includes estimates of production in the Northern Territory.

TABLE 4. - PRODUCTION AND UTILISATION OF WHOLE MILK : AUSTRALIA

	Quantity of whole milk used for -				Total whole milk	
	Factory butter	Factory cheese	Processed milk products (a)	Other purposes (b)	Original	Seasonally adjusted (c)
- '000 gal -						
1967-68	892,898	149,444	98,555	356,587	1,497,484	"
1968-69	907,878	158,583	98,945	366,690	1,532,096	"
1969-70	1,021,105	160,594	103,557	369,494	1,654,751	"
1970-71 -						
July	49,887	10,512	6,857	30,891	98,147	138,700
August	79,743	14,532	11,500	31,054	136,829	136,600
September	99,244	17,766	14,257	30,663	161,931	127,700
October	120,714	21,322	16,911	31,906	190,853	132,300
November	126,085	20,949	16,972	31,196	195,203	135,800
December	120,267	19,847	15,849	31,274	187,237	136,900
January	101,067	17,275	13,907	30,853	163,102	134,700
February	76,464	11,769	10,196	30,071	128,499	135,700
March	63,000	10,320	9,457	32,838	115,614	137,000
April	38,099	7,027	5,715	31,337	82,177	122,800
May	26,559	5,902	3,684	31,576	67,721	122,600
June	25,498	6,931	3,775	31,037	67,241	124,900
<b>Total, 1970-71</b>	<b>926,626</b>	<b>164,150</b>	<b>129,080</b>	<b>374,699</b>	<b>1,594,555</b>	"
1971-72p -						
July	41,291	9,051	6,083	32,555	88,980	127,700
August	72,135	13,624	12,458	32,362	130,580	127,800
September	94,717	17,290	14,945	31,681	158,634	126,800
October	116,791	21,629	16,086	33,074	187,580	130,700
November	118,474	21,503	14,686	32,308	186,971	128,400
December	114,701	20,394	15,833	32,132	183,060	132,900
January	102,437	16,962	11,356	31,977	162,732	134,700
February	73,643	12,721	9,936	31,417	127,718	129,400
March	61,564	11,111	8,906	33,014	114,596	136,900
April	38,514	7,601	6,241	32,114	84,470	129,800
May	29,212	7,107	4,438	32,415	73,173	128,200
June	27,383	6,883	3,839	31,781	69,886	130,600
<b>Total, 1971-72</b>	<b>890,863</b>	<b>165,878</b>	<b>124,807</b>	<b>386,830</b>	<b>1,568,378</b>	"

- per cent -

Percentage change,  
1971-72 on  
1970-71

-3.9

1.1

-3.3

3.2

-1.6

..

(a) Quantities of milk used to produce two or more products (for example, initially as full cream milk and subsequently as skim milk) are counted once only. (b) Principally fluid milk for domestic purposes. Includes milk used for farm production of butter and cheese. (c) See explanatory notes.

Monthly estimates of the quantity of milk used in the manufacture of factory butter and cheese have been derived from recorded monthly output of these commodities on the basis of factors ascertained from the annual factory returns. Monthly estimates of milk used for processed milk products are obtained from factories engaged in this industry. The amount of milk used for 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 Milk Boards. Milk used for other purposes also includes milk consumed on farms, quantities used by factories for manufacture of confectionery, etc., and the milk equivalent of farm production of butter and cheese.

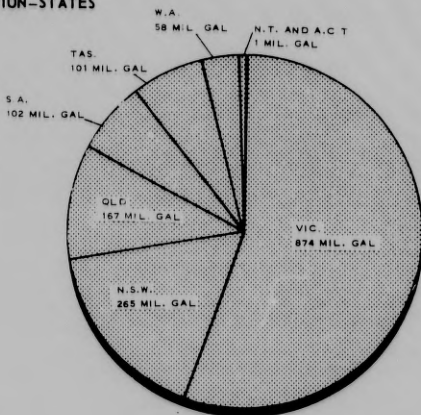
TABLE 5. - PRODUCTION OF WHOLE MILK (a)

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	A.C.T.	Australia (b)
- '000 gal -								
1967-68	310,056	734,203	217,202	88,822	55,411	90,793	900	1,497,484
1968-69	278,930	817,290	171,686	102,808	58,222	102,164	898	1,532,096
1969-70	310,876	886,116	191,401	106,236	55,873	103,213	939	1,654,751
1970-71p -								
July	18,566	49,309	11,234	9,518	5,619	3,848	47	98,147
August	19,998	81,792	11,961	10,199	5,924	6,901	48	136,829
September	21,863	100,887	12,435	11,058	6,228	9,399	55	161,931
October	25,720	119,386	14,931	12,074	6,540	12,128	68	190,853
November	28,450	118,354	18,223	11,037	5,847	13,214	73	195,203
December	29,723	109,394	20,289	9,863	5,024	12,856	82	187,237
January	29,142	91,346	19,541	7,953	3,730	11,307	77	163,102
February	23,845	70,757	15,646	5,829	2,790	9,555	70	128,499
March	23,196	60,500	14,895	5,721	2,765	8,454	77	115,614
April	18,731	38,027	11,430	5,507	2,905	5,504	66	82,177
May	17,055	26,681	9,875	6,857	3,879	3,308	60	67,721
June	15,889	27,096	8,993	7,717	5,026	2,466	50	67,241
<b>Total, 1970-71</b>	<b>272,177</b>	<b>893,530</b>	<b>169,453</b>	<b>103,336</b>	<b>56,277</b>	<b>98,940</b>	<b>773</b>	<b>1,594,555</b>
1971-72p -								
July	17,287	44,383	9,093	8,824	5,640	3,699	48	88,980
August	19,410	78,353	10,064	9,721	5,986	6,992	48	130,580
September	22,466	97,336	12,557	10,304	6,138	9,774	53	158,634
October	24,896	117,015	15,082	11,569	6,309	12,642	61	187,580
November	24,454	115,577	15,586	11,136	6,158	13,987	67	186,971
December	26,127	109,790	17,835	9,970	5,544	13,721	68	183,060
January	27,528	91,020	19,526	8,120	4,181	12,282	68	162,732
February	24,617	67,099	16,787	6,387	3,163	9,595	63	127,718
March	23,234	58,898	15,461	5,976	3,024	7,931	66	114,596
April	19,640	39,188	12,409	5,621	2,919	4,626	60	84,470
May	18,430	28,803	11,818	6,894	3,945	3,224	52	73,173
June	17,254	26,757	11,035	7,049	5,354	2,382	51	69,886
<b>Total, 1971-72</b>	<b>265,343</b>	<b>874,219</b>	<b>167,254</b>	<b>101,572</b>	<b>58,360</b>	<b>100,855</b>	<b>704</b>	<b>1,568,378</b>
- per cent -								
Percentage change, 1971-72 on 1970-71	-2.5	-2.2	-1.3	-1.7	3.7	1.9	-8.9	-1.6

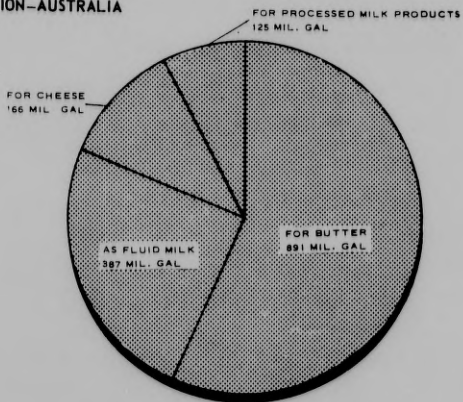
(a) For all purposes. (b) Includes estimates of production in the Northern Territory.

WHOLE MILK  
PRODUCTION AND UTILISATION  
YEAR ENDED JUNE 1972- 1.568 MIL. GAL

PRODUCTION—STATES



UTILISATION—AUSTRALIA



Average annual production of whole milk per cow. The annual quantity of milk produced per cow may reach as high as 1,000 gallons, but varies greatly with breed, locality and season. The average yields per cow (shown in Table 6 for the years 1967-68 to 1971-72) are based on the number of cows which were in milk at any time during the year (the mean of the number of cows in milk and dry and house cows at 31 March of the year shown and at 31 March of the previous year is used for this purpose).

In addition to the difficulty of ascertaining with reasonable accuracy the average number of cows in milk during any year, there are many complex problems attending the collection of particulars of the total quantity of milk obtained during the same period. The average yields per cow shown in Table 6 may, however, be accepted as sufficiently reliable to show the general trend.

TABLE 6. - AVERAGE ANNUAL PRODUCTION OF WHOLE MILK PER COW (Gallons)

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	A.C.T.	Australia (a)
1967-68	416	596	354	590	502	581	465	497
1968-69	393	663	306	708	546	647	486	525
1969-70	463	712	374	724	543	650	598	584
1970-71	442	708	348	707	520	618	570	574
1971-72	461	686	363	687	568	638	501	577

(a) Includes estimates for the Northern Territory.

TABLE 7. - PRODUCTION OF WHOLE MILK (a) : SPECIFIED COUNTRIES  
(Source for countries other than Australia and United Kingdom : World Agricultural  
Production and Trade - United States Department of Agriculture)

	1970			1971 <sup>p</sup>		
	Dairy cows	Production per cow	Milk production	Dairy cows	Production per cow	Milk production
	'000	gal	mil. gal	'000	gal	mil. gal
United States	12,483	911	11,374	12,347	933	11,518
France	9,039	645	6,362	8,968	658	5,898
Germany, Fed. Rep. of	5,593	836	4,678	5,489	825	4,530
United Kingdom (b)(c)	3,302	822	(d)2,686	3,284	847	2,754
Italy	3,500	572	2,001	3,400	598	2,035
Canada	2,471	720	1,778	2,397	720	1,726
Netherlands	1,920	918	1,764	1,890	949	1,793
Australia	(e)2,847	584	1,661	2,788	574	1,600
New Zealand	2,363	535	1,264	2,195	598	1,313
Japan	1,060	962	1,020	1,139	906	1,032

(a) A conversion factor of 10.3 lb = 1 gallon of milk was applied to countries in the source table. (b) Source : United Kingdom Ministry of Agriculture. (c) Year ended May. (d) Quantity produced for human consumption as milk or milk products. (e) Average number of cows (in milk and dry) and house cows during year ended March.

TABLE 8. - MILKING MACHINES ON RURAL HOLDINGS : NUMBER OF UNITS (a)

31 March -	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	A.C.T.	Australia (b)
1968	40,862	109,137	38,208	18,399	9,317	16,968	91	233,022
1969	39,557	112,618	35,401	17,908	9,036	17,057	97	231,698
1970	38,013	112,160	34,185	17,642	9,144	16,941	75	228,190
1971	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1972	32,621	108,218	27,489	16,261	8,401	15,573	67	208,630

(a) The number of units indicates the number of cows that can be milked simultaneously, i.e. the cow capacity of installed milking machines. (b) Includes particulars for the Northern Territory.

**III. BUTTER**  
**TABLE 9. - FACTORY PRODUCTION OF BUTTER (a)**

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Aust.
	- '000 lb -						
1967-68 (b)	71,281	241,240	63,546	12,133	13,248	30,865	432,313
1968-69 (b)	52,172	278,646	42,916	14,292	13,870	34,966	436,862
1969-70 (b)	63,854	312,200	49,888	17,087	12,941	35,568	491,539
1970-71p (c) -							
July	2,443	15,456	2,268	1,398	1,365	1,165	24,095
August	2,853	27,787	2,530	1,493	1,527	2,365	38,556
September	3,533	35,144	2,667	1,616	1,706	3,339	48,006
October	4,783	42,264	3,579	1,802	1,779	4,214	58,421
November	5,996	42,242	4,989	1,574	1,513	4,618	61,033
December	6,571	38,868	5,735	1,446	1,076	4,525	58,221
January	6,613	31,219	5,537	1,072	525	3,931	48,897
February	4,750	23,578	4,246	797	247	3,340	36,957
March	3,976	18,773	3,894	726	160	2,907	30,436
April	2,442	10,636	2,548	679	252	1,799	18,358
May	1,674	6,667	1,898	933	651	952	12,774
June	1,298	6,753	1,497	1,052	1,158	516	12,272
<b>Total, 1970-71</b>	<b>46,933</b>	<b>299,486</b>	<b>41,387</b>	<b>14,588</b>	<b>11,959</b>	<b>33,671</b>	<b>448,024</b>
1971-72p (c) -							
July	1,638	13,149	1,555	1,239	1,427	986	19,994
August	2,511	25,240	1,945	1,372	1,621	2,266	34,954
September	3,619	32,927	2,728	1,630	1,737	3,290	45,932
October	4,717	40,595	3,576	1,561	1,774	4,396	56,620
November	4,499	40,803	3,894	1,573	1,717	4,951	57,438
December	5,183	38,120	4,748	1,393	1,426	4,757	55,627
January	5,846	32,225	5,437	1,106	809	4,244	49,668
February	4,678	21,925	4,525	881	376	3,285	35,671
March	3,895	18,244	4,036	792	267	2,666	29,901
April	2,432	10,944	2,842	713	291	1,417	18,639
May	1,972	7,042	2,590	930	689	926	14,150
June	1,643	6,580	2,254	903	1,042	584	13,008
<b>Total, 1971-72</b>	<b>42,634</b>	<b>287,797</b>	<b>40,131</b>	<b>14,093</b>	<b>13,178</b>	<b>33,770</b>	<b>431,602</b>
	- per cent -						
Percentage change, 1971-72 on 1970-71	-9.2	-3.9	-3.0	-3.4	10.2	0.3	-3.7

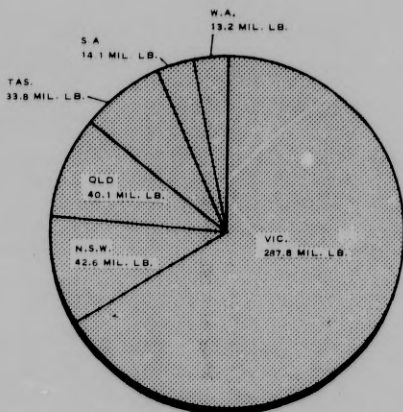
(a) Includes butter equivalent of butteroil production. (b) Derived from annual factory census. (c) Source: Commonwealth Dairy Produce Equalisation Committee Ltd and State Departments of Agriculture.

**TABLE 10 - PRODUCTION AND UTILISATION OF BUTTER: AUSTRALIA**

	Changes in stocks (a)	Factory production	Exports (b)		Available for consumption in Australia	
			Quantity	Proportion of production	Total quantity	Per head
1967-68	(-) 3,068	432,313	177,331	41.0	258,050	21.6
1968-69	(+) 9,112	436,862	170,709	39.1	257,040	21.2
1969-70	(+)10,307	491,539	226,075	46.0	255,157	20.6
1970-71	(-)15,165	448,024	205,187	45.8	258,002	20.4
1971-72p	(+)48,508	431,602	136,085	31.5	247,009	19.2

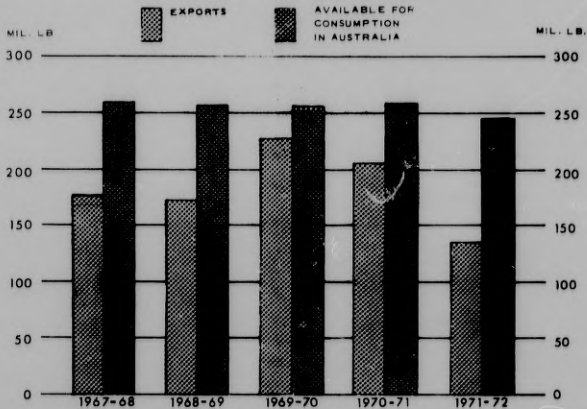
(a) Balance figure (includes imports). (b) Includes ghee, butter concentrate expressed as butter, and butter shipped as ships' stores.

## BUTTER FACTORY PRODUCTION, STATES : 1971-72



Factory Production, Australia - 431.6 Mil lb.

## EXPORTS AND CONSUMPTION : AUSTRALIA



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.

TABLE 11. - BULK BUTTER GRADED FOR EXPORT (a): AUSTRALIA  
(Source: Department of Primary Industry)

	Choice quality		First quality		Second and pestry quality (b)		Total	
	'000 lb	%	'000 lb	%	'000 lb	%	'000 lb	%
1967-68	136,312	80.2	25,581	15.1	8,021	4.7	169,914	100.0
1968-69	145,577	86.1	16,923	10.0	6,658	3.9	169,158	100.0
1969-70	176,642	87.7	18,716	9.3	6,002	3.0	201,360	100.0
1970-71	129,074	87.2	14,301	9.7	4,557	3.1	147,932	100.0
1971-72	73,425	90.0	6,430	7.9	1,752	2.1	81,607	100.0

(a) Includes unsalted. (b) Includes rejected butter.

TABLE 12. - EXPORTS OF BUTTER (a) TO VARIOUS COUNTRIES: AUSTRALIA

Country of consignment	1967-68	1968-69	1969-70	1970-71	1971-72p	Proportion of total	
						1970-71	1971-72
	- '000 lb -					%	
Ceylon	1,338	2,793	2,875	2,966	1,445	1.9	1.8
Chile	"	"	"	"	954	"	1.2
Germany, East	"	"	"	"	1,543	"	2.0
Hong Kong	3,005	3,474	4,379	4,708	5,172	3.0	6.6
Hungary	"	"	"	"	2,993	"	3.8
Iran	3	"	"	"	12,774	"	16.3
Japan	49	66	128	199	4,726	0.1	6.0
Malaysia	2,514	2,244	2,137	2,133	9,245	1.4	11.8
Malta	257	248	252	141	1,141	0.1	1.5
Mozambique	207	169	519	257	704	0.1	0.9
New Caledonia	696	559	624	837	909	0.5	1.2
Papua and New Guinea	1,376	1,404	1,601	1,671	1,944	1.1	2.5
Saudi Arabia	3,031	2,536	3,011	4,511	3,818	2.9	4.9
Singapore	3,408	3,301	2,728	3,096	2,343	2.0	3.0
South Africa	"	"	1	786	2,471	0.5	3.1
United Kingdom	125,093	116,213	153,694	122,597	23,566	78.9	30.1
Zambia	"	"	43	143	1,297	0.1	1.7
Other Countries	7,657	7,858	7,835	11,459	1,284	7.4	1.6
Total	148,634	140,865	179,827	155,444	78,329	100.0	100.0

(a) Excludes ghee, butter concentrate and ships' stores.

TABLE 13. - STOCKS OF BUTTER HELD IN MAIN COLD STORES: AUSTRALIA  
(Source: Australian Dairy Produce Board)  
(<sup>c</sup>000 lb)

End of month	1967-68	1968-69	1969-70	1970-71	1971-72
July	19,163	21,340	22,953	26,098	4,500
August	20,037	22,550	26,230	19,911	5,685
September	27,220	31,969	37,059	25,507	13,579
October	38,974	32,803	35,056	26,374	31,432
November	38,985	43,956	45,553	41,346	48,158
December	55,523	41,077	52,037	52,539	57,801
January	68,522	47,342	42,428	59,707	65,229
February	69,153	57,380	52,593	58,975	73,933
March	68,461	52,416	59,559	48,312	77,793
April	55,299	52,559	54,790	38,174	72,424
May	40,589	41,041	46,202	23,498	54,741
June	29,745	27,559	32,782	11,455	38,358

## IV. CHEESE

TABLE 14. - FACTORY PRODUCTION OF CHEESE

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Aust.
	- '000 lb -						
1967-68 (a)	12,074	73,570	22,181	32,773	4,373	10,414	155,386
1968-69 (a)	12,285	75,281	17,813	42,311			164,972
1969-70 (a)	18,895	73,722	20,492	39,302	3,912	(b)	168,219
1970-71p (c) -						11,896	
July	1,018	4,035	1,090	3,980	495	288	10,906
August	1,159	6,940	1,221	4,515	520	744	15,100
September	1,454	8,860	1,291	5,221	528	1,101	18,454
October	1,916	10,596	1,667	5,754	541	1,660	22,135
November	2,079	10,065	2,062	5,176	506	1,855	21,742
December	2,170	9,315	2,534	4,291	492	1,783	20,586
January	1,944	8,616	2,297	3,209	379	1,507	17,952
February	1,255	6,695	1,396	1,638	121	1,223	12,328
March	1,386	5,912	1,207	1,325	11	1,039	10,881
April	1,000	3,516	889	1,417	53	550	7,423
May	825	2,062	654	2,250	244	186	6,221
June	768	2,323	640	2,904	337	303	7,276
<b>Total, 1970-71</b>	<b>16,975</b>	<b>78,935</b>	<b>16,947</b>	<b>41,681</b>	<b>4,226</b>	<b>12,239</b>	<b>171,004</b>
1971-72p (c) -							
July	788	3,653	654	3,508	521	424	9,548
August	1,043	6,820	836	4,219	523	917	14,357
September	1,529	8,727	1,431	4,577	508	1,363	18,135
October	1,783	11,005	1,884	5,733	525	1,741	22,671
November	1,777	11,136	1,867	5,278	510	1,889	22,558
December	1,750	10,280	2,237	4,520	460	2,099	21,345
January	1,704	8,064	2,489	3,337	348	1,821	17,763
February	1,494	6,782	1,846	1,855	153	1,253	13,383
March	1,321	6,494	1,513	1,498	40	915	11,781
April	1,110	3,994	1,172	1,463	44	411	8,194
May	1,088	2,818	1,097	2,217	230	130	7,580
June	1,015	2,394	992	2,458	362	61	7,282
<b>Total, 1971-72</b>	<b>16,402</b>	<b>82,165</b>	<b>18,019</b>	<b>40,662</b>	<b>4,223</b>	<b>13,025</b>	<b>174,497</b>
	- per cent -						
Percentage change, 1971-72 on 1970-71	-3.4	4.1	6.3	-2.4	-0.1	6.4	2.0

(a) Derived from annual factory census. (b) Not available for publication. (c) Source: Commonwealth Dairy Produce Equalisation Committee Ltd and producers NOT within the Equalisation Scheme.

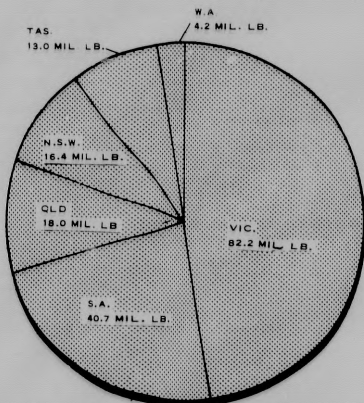
TABLE 15. - FACTORY PRODUCTION OF CHEESE BY VARIETIES: AUSTRALIA ('000 lb)

	1966-67	1967-68	1968-69	1969-70	1970-71p
Fetta	1,042				
Cheddar	137,657	1,124	1,085	1,298	
Cottage	1,876	137,616	146,116	149,645	
Edam	531	2,215	2,612	3,274	
Blue Vein	187	691			
Grating		102			
Soft			8,220	6,123	
Gouda	8,975	9,790			n.a.
Other	(a)	(a)	(a)	(a)	
	3,566	3,848	868	1,039	
			6,070	6,840	
<b>Total</b>	<b>153,834</b>	<b>155,386</b>	<b>164,972</b>	<b>168,219</b>	<b>171,004</b>

(a) Not collected separately.

## CHEESE

## FACTORY PRODUCTION, STATES : 1971-72



Factory Production, Australia - 174.5 Mil lb

## EXPORTS AND CONSUMPTION : AUSTRALIA

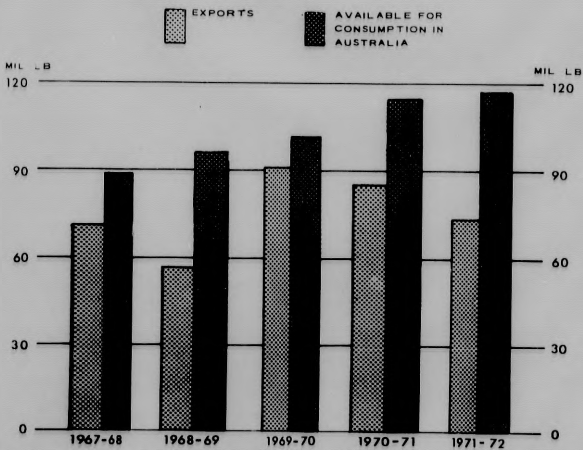


TABLE 16. - PRODUCTION AND UTILISATION OF CHEESE: AUSTRALIA

	Changes in stocks (a)	Factory production	Exports (b)		Available for consumption in Australia	
			Quantity	Proportion of production	Total quantity	Per head
	'000 lb	'000 lb	'000 lb	%	'000 lb	lb
1967-68	(-10,526	155,386	76,249	49.1	89,663	7.5
1968-69	(+12,509	164,972	56,494	34.2	95,968	7.9
1969-70p	(-22,519	168,219	90,199	53.6	100,540	8.1
1970-71p	(-23,546	171,004	80,571	47.1	113,979	9.0
1971-72p	(-17,839	174,497	73,808	42.3	118,528	9.2

(a) Balance figure (includes imports). (b) Includes ships' stores.

Bulk cheddar cheese graded for export. As in the case of butter, bulk cheddar cheese exported comes under the provisions of the Exports (Dairy Produce) Regulations and is graded according to quality in a manner similar to butter.

TABLE 17. - BULK CHEESE GRADED FOR EXPORT: AUSTRALIA  
(Source: Department of Primary Industry)

	Bulk cheddar									
	Choicest quality		First quality		Second quality (a)		Other cheese		Total	
	'000 lb	%	'000 lb	%	'000 lb	%	'000 lb	%	'000 lb	%
1966-67	10,500	16.7	34,886	55.5	1,295	2.1	16,194	25.8	62,875	100.0
1967-68	19,967	26.2	40,214	52.7	1,972	2.6	14,154	18.5	76,307	100.0
1968-69	29,036	35.0	31,339	37.8	2,721	3.3	19,839	23.9	82,935	100.0
1969-70	22,723	28.0	34,248	42.3	4,236	5.2	19,831	24.5	81,038	100.0
1970-71	24,131	30.8	28,285	36.2	2,227	2.8	23,671	30.2	78,314	100.0
1971-72	26,258	34.2	18,008	23.4	1,655	2.1	30,951	40.3	76,872	100.0

(a) Includes rejected.

TABLE 18. - EXPORTS OF CHEESE (a) TO VARIOUS COUNTRIES: AUSTRALIA

Country of Consignment	1967-68	1968-69	1969-70	1970-71	1971-72p	Proportion of total	
						1970-71	1971-72
	- '000 lb -					%	
Bahrain	435	572	551	832	696	1.0	0.9
Hong Kong	423	473	594	610	568	0.8	0.8
Indonesia	254	249	304	627	389	0.8	0.5
Japan	14,865	17,290	24,463	24,652	31,128	30.7	42.4
Kuwait	1,000	1,494	2,387	2,423	2,350	3.0	3.2
Libya	117	180	272	588	571	0.7	0.8
Malta	323	299	857	1,300	1,549	1.6	2.1
Okinawa	43	327	591	593	741	0.7	1.0
Panama	52	86	549	1,101	640	1.4	0.9
Papua and New Guinea	275	269	267	459	395	0.6	0.5
Philippines	5,861	6,848	5,584	8,592	5,506	10.7	7.5
Saudi Arabia	3,057	5,548	4,807	6,254	7,407	7.8	10.1
Singapore	638	674	904	1,067	785	1.3	1.1
Trucial States	286	559	650	778	683	1.0	0.9
United Kingdom	40,852	10,745	33,659	20,711	9,800	25.8	13.3
United States of America	2,406	3,082	4,411	3,405	3,639	4.2	5.0
Other Countries	5,149	7,381	9,187	6,388	6,631	7.9	9.0
Total	76,036	56,096	90,037	80,380	73,478	100.0	100.0

(a) Australian produce only i.e. excludes re-exports. Also excludes ships' stores.

**TABLE 19. - EXPORTS OF CHEESE (a) BY VARIETIES : AUSTRALIA**  
 ('000 lb)

	1967-68	1968-69	1969-70	1970-71	1971-72p
Processed (b)	11,049	16,922	20,267	18,902	20,440
Other -					
Cheddar and epicure cheddar	55,479	28,821	62,016	51,087	43,537
Parmesan (incl. parmigiano and reggiono)	129	64	70	155	364
Other	9,379	10,289	7,584	10,236	9,137
<b>Total</b>	<b>76,036</b>	<b>56,096</b>	<b>90,037</b>	<b>80,380</b>	<b>73,478</b>

(a) Excludes ships' stores. (b) Including pastes and spreads.

**TABLE 20. - IMPORTS OF CHEESE FROM VARIOUS COUNTRIES : AUSTRALIA**

Country of origin	1967-68	1968-69	1969-70	1970-71	1971-72p	Proportion of total	
						1970-71	1971-72
	- '000 lb -					%	
Bulgaria	921	1,043	1,541	1,018	1,072	7.8	8.2
Denmark	1,960	2,009	2,146	1,887	2,282	14.5	17.5
Finland	309	729	1,013	589	139	4.5	1.1
France	290	278	267	286	334	2.2	2.6
Germany, Fed. Rep. of	315	342	592	345	212	2.7	1.6
Greece	395	439	339	619	765	4.8	5.9
Hungary	138	217	330	249	265	1.9	2.0
Italy	991	1,132	1,197	892	1,131	6.9	8.7
Netherlands	1,371	1,272	1,481	1,502	1,284	11.5	9.9
New Zealand	849	1,954	2,630	2,566	2,572	19.7	19.8
Norway	683	912	819	822	773	6.3	5.9
Romania	608	624	1,018	1,173	1,201	9.0	9.2
Sweden	391	530	576	497	208	3.8	1.6
Switzerland	281	350	357	410	404	3.2	3.1
Other countries	181	291	416	156	374	1.2	2.9
<b>Total</b>	<b>9,683</b>	<b>12,122</b>	<b>14,722</b>	<b>13,011</b>	<b>13,016</b>	<b>100.0</b>	<b>100.0</b>

**TABLE 21. - IMPORTS OF CHEESE BY VARIETIES : AUSTRALIA**  
 ('000 lb)

	1967-68	1968-69	1969-70	1970-71	1971-72p
Processed (a) - cheddar	41	86	318	669	254
other	957	990	1,383	1,193	1,002
Blue vein	660	708	786	659	686
Cheddar	769	1,796	2,297	1,756	2,243
Edam and gouda	1,808	1,711	1,963	1,666	1,326
Parmesan (incl. parmigiano and reggiono)	155	149	258	159	201
Provoolone	410	460	613	385	518
Camembert			308	264	367
Emmenthaler			402	305	431
Fetta			1,640	1,888	2,272
Kasmeri	4,883	6,222	131	191	362
Pecorino			6	5	3
Other (incl. curd)			4,617	3,871	3,351
<b>Total</b>	<b>9,683</b>	<b>12,122</b>	<b>14,722</b>	<b>13,011</b>	<b>13,016</b>

(a) Including pastes and spreads.

**TABLE 22. - STOCKS OF CHEESE HELD IN MAIN COLD STORES : AUSTRALIA**  
 (Source : Australian Dairy Produce Board)  
 ('000 lb)

End of month	1967-68	1968-69	1969-70	1970-71	1971-72
July	9,663	8,268	22,841	9,081	6,487
August	9,451	10,604	23,959	9,872	8,355
September	13,577	14,511	26,880	13,274	9,939
October	20,480	19,976	25,070	14,885	11,554
November	23,598	23,253	24,725	15,868	12,215
December	23,598	27,866	22,373	16,912	13,794
January	28,923	28,260	21,022	18,256	15,115
February	28,367	25,668	21,560	13,720	13,879
March	19,094	29,646	18,305	14,220	11,861
April	18,173	28,134	14,773	10,649	9,312
May	10,709	27,556	13,550	9,804	8,429
June	7,130	23,914	10,349	8,295	8,223

## V. PROCESSED MILK PRODUCTS

TABLE 23. - PRODUCTION OF PROCESSED MILK PRODUCTS : AUSTRALIA  
A. CONDENSED MILK, ICE CREAM MIX, INFANTS' AND INVALIDS' FOOD AND CASEIN

	Condensed, concentrated and evaporated milk			Liquid ice cream mix	Infant, invalid and health beverages		Casein
	Full cream				Infants' milk powder	Other (incl. malted milk)	
	Sweet- ened (a)	Unsweet- ened	Skim				
- '000 lb -							
1967-68	47,316	87,946	18,932	9,065	16,233	32,001	44,815
1968-69	40,439	98,658	19,670	7,238	17,610	36,838	64,963
1969-70	36,551	120,893	40,146	8,906	21,186	35,273	71,188
1970-71 p -							
July	2,257	4,416	2,485	599	1,839	3,110	2,253
August	3,534	11,451	2,558	722	1,672	3,398	5,255
September	3,991	15,004	4,332	892	1,737	3,778	7,792
October	3,868	14,245	5,549	886	1,513	3,743	9,441
November	3,452	16,617	5,158	990	2,035	3,351	9,589
December	3,714	17,890	3,201	1,027	1,697	2,309	8,770
January	3,069	17,369	2,365	877	1,516	2,104	6,347
February	3,924	14,439	1,653	756	952	2,610	4,926
March	3,595	10,999	1,192	846	1,404	3,376	4,226
April	2,419	7,232	1,120	666	591	2,384	2,165
May	1,810	3,218	696	845	1,022	2,768	1,161
June	1,178	3,361	1,323	527	1,508	2,844	863
<b>Total, 1970-71</b>	<b>36,809</b>	<b>136,240</b>	<b>31,633</b>	<b>9,632</b>	<b>17,485</b>	<b>35,376</b>	<b>62,788</b>
1971-72p							
July	1,830	6,913	1,026	561	1,718	2,947	3,287
August	4,391	15,470	1,794	730	1,615	3,007	6,207
September	4,769	19,197	2,416	661	2,519	1,894	8,312
October	4,976	19,797	2,945	676	2,108	3,008	10,281
November	4,613	19,494	2,818	728	2,893	2,959	10,083
December	3,292	16,774	3,269	814	2,867	2,347	8,930
January	3,333	17,110	2,523	702	2,567	2,585	7,204
February	3,487	13,951	1,409	694	2,951	2,505	4,516
March	3,069	9,915	879	861	2,547	3,362	3,381
April	1,644	8,404	678	442	1,834	2,670	2,456
May	552	3,256	3,386	483	1,561	3,180	1,202
June	872	986	1,552	400	1,296	3,199	1,180
<b>Total, 1971-72</b>	<b>36,828</b>	<b>151,269</b>	<b>24,694</b>	<b>7,751</b>	<b>26,476</b>	<b>33,664</b>	<b>67,040</b>
- per cent -							
Percentage change, 1971-72 on 1970-71	0.1	11.0	-21.9	-19.5	51.4	-4.8	6.8

(a) Includes "coffee and milk."

**TABLE 23. - PRODUCTION OF PROCESSED MILK PRODUCTS : AUSTRALIA - continued**  
**B. POWDERED MILK**

	Skim							
	Full cream		Without added ingredients		With added ingredients		Buttermilk or mixed skim and buttermilk	
	Spray	Roller	Spray	Roller	Bakers' powder	Other	Spray	Roller
	- '000 lb -							
1967-68	46,125	1,147	161,071	18,606	5,937	10,415	15,836	17,756
1968-69	53,083	1,341	122,104	14,916	5,765	13,445	14,902	18,957
1969-70	49,494	1,091	171,195	13,791	8,182	15,725	21,834	18,841
1970-71p -								
July		2,849	8,999	754	504	1,828	890	1,040
August		4,435	14,731	1,147	593	1,831	1,703	1,778
September	5,763	165	17,155	1,046	694	2,188	1,980	2,378
October	6,835	80	23,822	1,766	777	2,184	2,771	2,271
November	7,200	71	26,545	1,876	790	1,546	2,951	2,422
December	7,485	104	23,745	1,844	767	1,303	2,916	1,980
January	6,660	59	19,695	1,583	632	1,433	2,410	1,586
February	5,008	77	11,342	1,083	262	1,211	1,822	1,247
March	4,329	54	6,686	829	295	736	1,165	1,041
April	2,484	151	4,024	380	454	816	772	628
May	1,412	109	3,457	356	416	1,107	386	534
June	1,136	46	4,633	310	482	1,081	552	642
<b>Total, 1970-71</b>	<b>55,335</b>	<b>1,176</b>	<b>164,835</b>	<b>12,972</b>	<b>6,666</b>	<b>17,265</b>	<b>20,318</b>	<b>17,547</b>
1971-72p -								
July	2,478	79	4,753	512	460	1,571	854	968
August	5,165	135	11,508	1,028	467	2,396	1,016	1,429
September	6,720	163	17,461	2,019	464	2,382	1,243	1,879
October	9,000	193	23,274	1,939	554	2,262	1,540	2,261
November	8,890	220	24,150	1,928	605	1,895	1,495	2,877
December	7,556	169	24,907	2,177	384	2,079	1,559	2,439
January	7,303	199	20,829	1,839	427	1,569	1,334	1,771
February	5,494	225	13,441	1,516	362	1,124	1,311	1,214
March	4,124	181	9,948	1,411	704	1,332	1,111	958
April	3,008	71	4,561	1,024	326	1,290	659	584
May	1,825	159	4,332	545	359	1,317	710	601
June	1,920	23	5,006	301	362	1,763	708	581
<b>Total, 1971-72</b>	<b>63,485</b>	<b>1,816</b>	<b>164,168</b>	<b>16,240</b>	<b>5,475</b>	<b>20,981</b>	<b>13,540</b>	<b>17,563</b>
	- per cent -							
Percentage change, 1971-72 on 1970-71	14.7	54.4	-0.4	-25.2	-17.9	21.5	-33.4	0.1

TABLE 24. - PRODUCTION AND UTILISATION OF PROCESSED MILK PRODUCTS : AUSTRALIA

	Net change in factory stocks (a)	Production	Exports (b)		Quantity available for consumption in Australia
			Quantity	Proportion of production	
('000 lb)	('000 lb)	('000 lb)	(per cent)	('000 lb)	
CONDENSED, CONCENTRATED AND EVAPORATED MILK (c)					
1967-68	(d)(-12,271	154,194	25,565	16.6	130,900
1968-69	(d)(+1,448	158,767	23,877	15.0	133,442
1969-70	(d)(-12,061	197,590	24,438	12.4	175,213
1970-71	(d)(+13,299	204,682	21,440	10.5	179,944
1971-72p	(d)(+12,427	212,791	19,603	9.2	190,761
LIQUID ICE CREAM MIX					
1967-68	(+) 31	9,065	771	8.5	8,263
1968-69	(-) 3	7,238	497	6.9	6,745
1969-70	(-) 9	8,906	537	6.0	8,378
1970-71	(-) 1	9,632	1,237	12.8	8,395
1971-72p	(-) 9	7,751	969	12.5	6,790
INFANTS' AND INVALIDS' FOOD (INCLUDING MALTED MILK)					
1967-68	(-)7,983	48,234	26,785	55.5	29,432
1968-69	(-)7,547	54,448	29,079	53.4	32,916
1969-70	(-)5,194	56,459	29,652	52.5	32,001
1970-71	(-)4,940	52,861	31,650	59.9	26,151
1971-72p	(-)1,880	60,140	29,729	49.4	32,290
CASEIN					
1967-68	(+1,637	44,815	37,020	82.6	6,158
1968-69	(+) 611	64,963	58,217	89.6	6,135
1969-70	(-) 106	71,188	66,812	93.9	4,482
1970-71	(-)2,109	62,788	59,301	94.4	5,596
1971-72p	(+1,246	67,040	65,670	98.0	124
POWDERED MILK (FULL CREAM, SKIM AND BUTTERMILK)					
1967-68	(+26,652	276,893	118,736	42.9	131,505
1968-69	(-)20,632	244,513	121,958	49.9	143,187
1969-70	(-) 6,395	300,153	164,224	54.7	142,324
1970-71	(-) 6,833	296,114	169,207	57.1	133,929
1971-72p	(+) 8,766	303,268	139,371	46.0	155,131

(a) Includes allowance for imports. (b) Includes ships' stores. (c) Includes full cream and skim milk. (d) Excludes condensed, concentrated and evaporated skim milk.

TABLE 25. - EXPORTS OF PROCESSED MILK PRODUCTS (a) : AUSTRALIA

Year -	Preserved, condensed, concentrated, etc.		Liquid ice cream mix	Infants' and invalids' food (b) (essentially of milk)	Casein	Dried or in powdered form	
	Sweetened	Unsweetened				Full cream	Skim
1967-68	13,228	11,638	771	26,783	37,020	24,865	87,025
1968-69	12,653	10,512	497	29,079	58,217	30,006	88,259
1969-70	10,606	13,130	537	29,652	66,812	33,789	116,751
1970-71	8,915	11,922	1,237	31,646	59,301	37,425	109,843
1971-72p	9,346	9,792	969	29,725	65,671	32,769	92,336
- per cent -							
Percentage change, 1971-72 on 1970-71	4.8	-17.9	-21.7	-6.1	10.7	-12.4	-15.9

(a) Excludes ships' stores. (b) Includes malted milk.

## VI. FACTORIES PRODUCING BUTTER, CHEESE AND PROCESSED MILK PRODUCTS

Details relating to small establishments not classified for statistical purposes as factories are not included in the figures shown below. It should also be noted that owing to changes in the manufacturing industries census units, the scope of the census and the items of data, direct comparisons with figures for years prior to 1968-69 are not possible.

Statistics on factories producing butter, cheese and processed milk products for the years 1963-64 to 1967-68 were included in Volume 32 No. 7 of this bulletin issued on 14 October 1969.

TABLE 26. - FACTORIES PRODUCING BUTTER, CHEESE AND PROCESSED MILK PRODUCTS: AUSTRALIA

	Number of establishments in operation during the year	Employment (incl. working proprietors) at end of June	Wages and salaries	Turnover	Stocks at end of June		Purchases transfers in and selected expenses	Fixed capital expenditure (outlay on fixed tangible assets less disposals)	
					Opening	Closing		Value added	
	No.	No.	'000	'000	'000	'000	'000	'000	'000
1968-69	466	21,975	69,142	772,623	41,124	42,863	616,617	157,746	19,485
1969-70	440	22,448	76,174	837,427	41,961	43,052	668,705	169,815	21,316

TABLE 27. - FACTORIES PRODUCING BUTTER, CHEESE AND PROCESSED MILK PRODUCTS

	Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Aust. (a)
- Number -								
Number of establishments in operation during the year	1968-69	117	161	69	58	26	30	466
	1969-70	108	160	63	56	23	26	440
Employment (incl. working proprietors) at end of June -								
Males	1968-69	5,585	6,956	1,807	1,596	973	649	17,669
	1969-70	5,652	7,034	1,905	1,541	910	685	17,865
Females	1968-69	1,322	1,497	454	524	344	180	4,306
	1969-70	1,406	1,635	474	495	362	185	4,583
Total	1968-69	6,907	8,453	2,261	2,120	1,317	829	21,975
	1969-70	7,058	8,669	2,379	2,036	1,272	870	22,448
- \$'000 -								
Wages and salaries	1968-69	21,149	28,936	6,163	6,032	3,769	2,558	69,142
	1969-70	24,014	30,989	7,002	6,556	4,177	2,827	76,174
Turnover	1968-69	168,286	394,845	77,235	57,377	37,125	33,134	772,623
	1969-70	183,586	425,376	86,773	59,888	39,363	37,337	837,427
Stocks at end of June -								
Opening	1968-69	8,189	23,141	3,883	1,966	1,493	2,279	41,124
	1969-70	8,988	22,246	3,382	2,107	1,559	3,478	41,961
Closing	1968-69	9,068	22,367	3,233	2,072	1,604	4,317	42,863
	1969-70	9,599	23,419	3,961	2,248	1,575	2,022	43,052
Purchases, transfers in and selected expenses	1968-69	130,853	318,444	61,236	44,523	30,250	27,845	616,617
	1969-70	140,031	346,805	71,293	47,569	32,468	26,693	668,705
Value added	1968-69	38,312	75,627	15,349	12,960	6,986	7,328	157,746
	1969-70	44,165	79,745	16,059	12,462	6,913	9,188	169,815
Fixed capital expenditure (outlay on fixed tangible assets less disposals)	1968-69	6,135	8,534	1,569	1,322	957	847	19,485
	1969-70	4,620	8,166	2,191	1,952	1,621	1,479	21,316

(a) Includes Northern Territory and the Australian Capital Territory.

## VII. MARKETING ARRANGEMENTS AND ASSISTANCE TO THE DAIRYING INDUSTRY

**Butter and Cheese Equalisation Scheme.** A voluntary butter and cheese price equalisation scheme, based on arrangements between the manufacturers and the Commonwealth Dairy Produce Equalisation Committee Ltd., has been in operation for a number of years. The Committee, which comprises members of the State Dairy Produce Boards and other persons representing the industry, enters into agreements with manufacturers to secure to them equal rates from sales of butter and cheese, and for this purpose fixes basic prices at which these products, sold in Australia or abroad, are to be taken into account. The effect is that the local and export trade are distributed in equitable proportions amongst the manufacturers. The Committee equalises returns to factories through an Equalisation Fund. Details of butter and cheese equalisation rates are shown in Table 28.

**Casein Equalisation Plan.** Details of the Equalisation Plan, operated by the Casein Equalisation Advisory Committee from July 1946 to June 1950 and from 21 January 1952 to date, were given in Volume 30, No. 14 of this bulletin.

The average casein equalisation realisation per cwt for 1966-67 was \$23.556; for 1967-68, \$24.606; for 1968-69, \$24.629 and for 1969-70, \$24.789. For 1970-71 the current interim rate is \$24.283 per cwt; for 1971-72 the interim rate is \$28.500 and for 1972-73 the initial interim rate is \$35.000.

**Wholesale prices of butter and cheddar cheese in Australia.** Wholesale prices of choicest grade bulk butter and cheddar cheese in Australia are determined by the Australian Dairy Industry Council. Prices currently prevailing for butter are those determined at 3 August 1971 (\$56.84 per cwt) replacing those stipulated at 31 March 1969 (\$54.60 per cwt); cheddar cheese increased from \$35.28 per cwt determined at 3 August 1971 to \$38.64 per cwt as from 8 November 1971. Details of prices operating prior to 1969 are shown in Volume 33, No. 14 of this bulletin.

**Overseas marketing.** Historical information on overseas marketing appears in Volume 30, No. 14 of this bulletin.

Butter imports from Australia into the United Kingdom has been subject to quota control with Australia's basic quota entitlement for the year 1 April 1971 to 31 March 1972 fixed at 66,780 tons, compared with 67,600 tons for 1970-71 and 65,100 tons for 1969-70. In 1971-72 the United Kingdom quota system was replaced by open individual licencing and this arrangement has remained in force during 1972-73.

Prior to 1 April 1971, Australia and New Zealand shared a combined basic quota entitlement for imports of cheese into the United Kingdom. For the year ended 31 March 1971 Australia's share of the quota was 11,900 tons. From 1 April 1971, Australia and New Zealand are no longer subject to a shared quota. For the year ended 31 March 1972 Australia's basic quota entitlement was fixed at 12,500 tons but in view of the United Kingdom supply situation cheese arrangements were suspended in 1971-72 and have remained suspended during 1972-73.

Details of the average rates realised on all butter and cheddar cheese sold overseas are given in Table 28.

**Commonwealth bounties and stabilisation plans.** Bounties are distributed by the Commonwealth Dairy Produce Equalisation Committee Limited through factories to milk producers by payments on butter and cheese manufactured.

Since 1952, these bounties have been disbursed under the provision of a series of five-year stabilisation plans. The current plan, which came into operation on 1 July 1972, is the fifth in the series. Details of the four previous plans and of earlier arrangements for financial assistance to the dairying industry are given in Volume 30, No. 14 of this bulletin.

Under the terms of the new five year plan which commenced on 1 July 1972, the Government has undertaken to allocate each year for the five years of the plan a minimum of \$27 million as Commonwealth financial assistance for Butter and cheese and related butterfat products produced in Australia.

For 1972-73 the Commonwealth made available \$27 million and in addition, agreed to compensate the Commonwealth Dairy Produce Equalisation Committee for any loss sustained as a result of fixing its initial interim equalisation value for butter at a level which enabled factories to make an opening pay rate of 34 cents per lb commercial butter basis. This is the same opening pay rate as applied for 1971-72.

The Dairying Industry Stabilisation Fund was established in July 1948 for the purpose of stabilising returns from exports of butter and cheese. Details of the fund are given in Volume 30, No. 14 of this bulletin.

Bounty on the butterfat content of processed milk products produced was payable from 1 July 1942 until 30 June 1948, and again from 1 July 1949 until 30 June 1952. No Commonwealth bounty was paid on the production of processed milk products under the various stabilisation plans. However, in 1962 the Commonwealth Government provided a separate bounty, under the provisions of the Processed Milk Products Bounty Act 1962, for the payment of a maximum amount of \$700,000 as a bounty on exports of processed milk products in 1962-63, to prevent a decline in the industry in this country. The bounty is to continue under present legislation until 30 June 1977, the maximum amounts made available being \$1,000,000 for 1963-64 and \$800,000 for each subsequent year.

TABLE 28. - BUTTER AND CHEESE: RATES REALISED ON SALES, AVERAGE EQUALISATION RATES AND RATES OF COMMONWEALTH BOUNTY UNDER DAIRYING INDUSTRY ACTS: AUSTRALIA  
(Source: Commonwealth Dairy Produce Equalisation Committee Ltd)  
(\$ per cwt)

Year	Rates realised on sales				Average equalisation rate	Rate of bounty	Rate of overall return to manufacturer.
	Intra-state	Inter-state	Manufacturing	Overseas			
<b>BUTTER</b>							
1967-68	49.22	47.17	31.87	27.60	39.50	6.31	45.81
1968-69	49.75	47.54	32.02	26.67	38.91	6.02	44.93
1969-70	51.53	48.57	32.17	26.93	38.21	5.40	43.61
1970-71	51.44	49.21	32.13	26.21	38.90	9.40	48.30
1971-72	(a)	(a)	(a)	(a)	(b)41.75	(b)7.72	(b)49.47
1972-73	(a)	(a)	(a)	(a)	(b)38.50	(b)5.75	(b)44.25
<b>CHEDDAR CHEESE</b>							
1967-68		31.53		17.81	25.04	2.38	27.42
1968-69		31.51		17.73	24.84	2.87	27.71
1969-70		31.57		19.81	26.01	2.58	28.59
1970-71		32.41		18.51	26.62	4.24	30.86
1971-72		(a)		(a)	(b)29.25	(b)3.69	(b)32.94
1972-73(a)		(a)		(a)	(b)29.20	(b)2.75	(b)31.95

(a) Not yet available. (b) Rates are of an interim nature and represent only payments made to date; further payments by the Commonwealth Dairy Produce Equalisation Committee Ltd are expected.

TABLE 29. - AVERAGE OVERALL RETURNS ON COMMERCIAL BUTTER: AUSTRALIA  
(cents per lb)

(Source: Commonwealth Dairy Produce Equalisation Committee Ltd)

Year	Rate of overall return to manufacturer	Estimated manufacturing cost	Return to dairy farmer
1967-68	40.904	4.583	36.321
1968-69	40.114	4.750	35.364
1969-70	38.933	4.911	34.022
1970-71	43.125	5.161	37.964
1971-72	(a)44.170	5.161	(a)39.009
1972-73	(a)39.509	5.357	(a)34.000

(a) Rates are of an interim nature and represent only payments made to date; further payments by the Dairy Produce Equalisation Committee Ltd are expected.

#### Commonwealth Extension Services Grant

For over a decade, prior to 1966-67 the Commonwealth Government had provided moneys to strengthen State extension services to primary producers. As part of these activities there had been a Commonwealth Dairy Industry Extension Grant, under which a total of \$9,600,000 had been provided up to and including 1965-66. As from 1 July 1966 the Commonwealth Government increased the total funds that it made available for extension purposes and decided that all grants, including the Dairy Industry Extension Grant, would be brought into a comprehensive arrangement in support of extension and regional research activities. (The various joint Commonwealth/Industry research funds, such as the Dairy Produce Research Trust Account, continued independently of these arrangements). Under the amalgamated Commonwealth Extension Services Grant, support for such activities of benefit to the dairy industry has increased beyond the level formerly obtaining (\$700,000 in 1965-66).

Support will continue to be available in the current five-year term of the Grant, which commenced on 1 July 1971.

**Dairy industry research and sales promotion.** At the request of the Australian Dairy Industry Council, legislation was enacted in 1958 to provide for a sales promotion campaign for butter and cheese in Australia and also for research into dairy industry problems. The legislation provided for a statutory levy to be imposed on all butter and cheese manufactured in Australia.

In 1965, in the interests of efficiency and economy, the levy on production of butter and cheese for research and sales promotion and the levy on exports of butter and cheese, which provided the Australian Dairy Produce Board with funds for overseas market development, were combined into one levy to cover all the Board's requirements.

The Butterfat Levy Act 1965-66 provided a maximum rate of levy of \$0.60 per cwt for butterfat used in the manufacture of butter, butterfat products and cheese, to be apportioned between the three primary functions of the Board in the following ratio : Overseas Marketing (2 parts), \$0.24 : Local Promotion (2 parts) \$0.24 : and Research (1 part), \$0.12. The operative rate of levy from 1 July 1967 was fixed at \$0.53 per cwt of butterfat, divided as follows : Overseas Marketing, \$0.21 : Local Promotion, \$0.22 : and Research, \$0.10. From 1 October 1971, the rate of levy was fixed at \$0.58 per cwt of butterfat, divided as follows : Overseas Marketing, \$0.24 : Local Promotion, \$0.24 : and Research, \$0.10.

In February 1972, the Commonwealth Government agreed to industry proposals to broaden the scope of the Research levy so that it would apply to all milk produced in Australia. The Dairying Research Levy Act 1972 was enacted to impose a maximum rate of levy of \$0.12 per cwt butterfat, or \$0.04 per gallon of milk, for research purposes. The operative rate from 1 July 1972 was set at \$0.10 per cwt butterfat or \$0.033 per gallon of milk. The levy is payable either on a butterfat or gallonage basis, according to the normal method of payment to producer by the purchaser.

The Commonwealth Government contributes one-half of the cost incurred on approved projects included in the programme of research, with a maximum contribution of \$1.00 for \$1.00 against funds raised by way of levy and allocated to research.

The research programme is administered by the Dairying Research Committee which is responsible to the Minister of Primary Industry for the operation of the scheme.

The levy provisions of the Butterfat Levy Act 1965-1972, in respect of overseas marketing and local promotion continued unchanged.

## VIII. APPENDIX

TABLE 30. - HOLDINGS CLASSIFIED ACCORDING TO SIZE OF MILK CATTLE HERD (a) : NUMBER OF HOLDINGS, 31 MARCH

	Size of milk cattle herd (numbers)														200 & over	Total	Holdings with no milk cattle	Total all holdings
	1-4	5-9	10-14	15-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-149	150-199				
1969																		
N.S.W.	2,340	113	111	108	342	501	774	917	1,046	961	989	811	2,181	589	387	12,170	63,933	76,103
Vic.	4,066	1,950	1,199	839	1,771	1,155	1,167	1,281	1,384	1,518	1,507	1,511	5,471	1,774	968	27,061	43,995	71,056
Qld	1,585	306	304	287	788	1,113	1,233	1,255	1,061	884	658	452	883	160	68	11,037	33,037	44,074
S.A.	1,767	1,094	723	443	599	480	397	332	252	226	287	167	356	78	48	7,159	21,978	29,137
W.A.	594	42	35	33	71	100	111	129	167	128	121	109	339	158	162	2,299	20,705	23,004
Tas.	624	350	242	217	338	374	315	314	310	239	217	168	471	146	88	4,413	5,971	10,384
N.T.	8	..	3	..	1	1	1	..	..	1	1	..	2	..	..	17	300	317
A.C.T.	11	1	3	3	1	2	..	1	1	1	..	2	..	1	5	32	163	195
Aust.	10,995	3,856	2,620	1,930	3,411	3,736	3,998	4,229	4,221	3,958	3,679	3,220	9,703	2,906	1,726	64,188	190,082	254,270
1970																		
N.S.W.	2,037	93	89	84	247	423	658	804	936	876	827	731	2,064	588	406	10,863	65,045	75,908
Vic.	3,871	1,580	1,027	672	1,134	970	983	1,080	1,170	1,255	1,379	1,391	5,556	2,053	1,133	25,254	44,244	69,498
Qld	1,272	172	157	181	564	785	945	973	1,034	915	756	638	1,494	322	167	10,375	33,544	43,929
S.A.	1,604	944	641	411	567	411	374	321	251	220	207	151	399	100	58	6,659	22,376	29,035
W.A.	648	89	52	45	85	93	110	123	132	124	120	97	337	159	173	2,387	20,550	22,937
Tas.	487	277	198	171	320	334	289	282	270	243	218	174	477	156	100	3,996	6,163	10,159
N.T.	7	..	1	1	1	1	..	1	1	1	2	..	1	..	1	18	304	322
A.C.T.	9	..	1	..	2	..	..	..	..	..	1	..	..	..	5	18	175	193
Aust.	9,935	3,155	2,166	1,565	2,920	3,017	3,359	3,584	3,794	3,634	3,510	3,182	10,328	3,378	2,043	59,570	192,311	251,881
1971																		
N.S.W.	1,818	67	56	65	179	346	519	703	740	800	745	699	1,880	587	416	9,620	65,745	75,365
Vic.	3,337	1,334	892	642	1,005	835	924	946	1,059	1,133	1,236	1,319	5,547	2,219	1,234	23,662	44,893	68,555
Qld	1,228	114	126	140	469	669	816	868	899	842	718	605	1,460	348	163	9,465	33,934	43,399
S.A.	1,464	776	524	380	500	372	364	314	233	205	175	170	424	99	76	6,076	23,011	29,087
W.A.	601	113	126	99	205	187	155	113	78	69	60	38	123	36	24	2,027	20,565	22,592
Tas.	595	269	186	171	306	287	271	257	287	215	195	185	497	151	109	3,981	5,945	9,926
N.T.	5	1	2	1	1	..	..	2	..	..	1	..	..	..	..	13	370	383
A.C.T.	9	..	..	..	..	..	..	..	..	1	..	1	..	..	5	16	171	187
Aust.	9,057	2,674	1,912	1,498	2,665	2,696	3,049	3,203	3,296	3,265	3,130	3,017	9,931	3,440	2,027	54,860	194,634	249,494

(a) Herds comprising dairy-breed bulls used (or intended) for service, dairy-breed full calves (except in New South Wales and Tasmania) intended for service and/or cows, heifers, and heifer calves used (or intended) for the production of milk or cream for sale. In New South Wales most of the herds classified to the size group 1-4 comprise a single dairy-breed bull which is being run with cows kept for own milk supply and/or cows used to raise vealers.

J. P. O'NEILL

Commonwealth Statistician

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS  
CANBERRA, A.C.T. 2600

NOTE. Inquiries concerning these statistics may be made in Canberra by telephoning 49 0211 extension 384 or, in each State capital, by telephoning the office of the Bureau of Census and Statistics.