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MANUFACTURING INDUSTRIES 1965-66

No. 16 FLOUR AND OTHER GRAIN MILLS



**COMMONWEALTH BUREAU OF CENSUS AND STATISTICS
CANBERRA, AUSTRALIA**

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NO. 16. FLOUR AND OTHER GRAIN MILLS

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EXPLANATORY NOTES

GENERAL. The range of bulletins in this series for 1965-66 is the same as for 1964-65. A complete list of the series is shown inside the back cover. Where a number of industries are combined in one bulletin, the introductory paragraph on page 4 specifies the industries so included.

Statistics of the number of factories, persons employed, salaries and wages, value of fuel, materials, production and output, etc., for 1965-66 include details for the Northern Territory and Australian Capital Territory. Prior to 1964-65 details for the Territories were excluded. Statistics of materials used and articles produced do not include details for the Territories.

CLASSIFICATION OF FACTORIES. For purposes of industry classification, factories are classified to sub-classes according to the nature of their products. Where two or more distinct types of industrial activity are carried on in one establishment, a separate return is obtained, wherever practicable, for each activity, in order to allow classification on this basis. In cases where this is not practicable, factories are classified according to predominant activity. These cases are encountered most frequently in the Metal trades (e.g. General engineering firms also producing agricultural implements or Stoves, etc.) and to a lesser degree in factories concerned with Skins, Leather, Clothing and Wood products.

Each of the summaries in the Manufacturing Industries series relates, in general, to the operations of factories classified to the industry specified. However, the statistics of articles produced represent total recorded production in all factories, irrespective of industry classification.

BASIS OF THE STATISTICS. The scope of the factory statistics is fully explained in the annual bulletin Manufacturing Industry which contains comprehensive statistics both for all factory sub-classes separately and in total.

Briefly, a "factory" is defined as an establishment in which four or more persons are employed or where power (other than manual) is used in any manufacturing process. The figures do not include details relating to small establishments not classified for statistical purposes as factories.

All persons employed in the manufacturing activities of the factory are counted as factory employees. The figures relating to employment, therefore, include working proprietors as well as out-workers, but exclude all those engaged in selling and distribution, such as salesmen, travellers, collectors, carters engaged solely on outward delivery of manufactured goods, and retailing storemen.

The value of materials, etc., used includes the value, in the usual sense, of the materials used, stores used, containers, tools replaced and materials used in repairs to plant. In general, it does not include the value of customers' articles or materials repaired, assembled or treated by the factory.

The value of power, fuel, light, etc., used includes the cost of lubricants and water.

The value of factory output is the value of the goods manufactured or their value after passing through the particular process of manufacture and includes the amount received for repair work, work done on commission and receipts for other factory work. The basis of valuation of the output is the selling value of the goods at the factory, exclusive of all delivery costs and charges and excise duties, but inclusive of bounty and subsidy payments to the manufacturer of the finished article.

The value of production is the value added to materials by the process of manufacture. It is calculated by deducting from the value of factory output the value (at the factory) of the materials used, containers and packing, power, fuel and light used, tools replaced and materials used in repairs to plant (but not depreciation charges). The value of production is the source from which, in addition to wages and salaries, such items as interest, depreciation, profits, taxation, advertising and other sundry charges are met. As details of these other costs of production are not collected, the amount of profit resulting from factory operations cannot be ascertained from figures contained herein.

There are many miscellaneous expenses, such as maintenance of buildings, etc., depreciation, workers' compensation insurance, other insurances, pay-roll tax, income tax, advertising, interest on borrowed money, bad debts and many other sundry charges, which are not taken into account. Consequently it must not be inferred that, when wages and salaries are deducted from value of production, the whole of the surplus is available for profits.

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

This bulletin refers, in general, to factories which are classified to sub-classes 0901 (Flour milling), 0902 (Cereal foods and starch) and 0903 (Animal and bird-foods) of the Factory Classification (1945).

TABLE 1. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIES : SUMMARY

AUSTRALIA

Year	Factories (1) No.	Persons employed (2) No.	Salaries and wages paid (3) \$'000	Power, fuel, light, etc. used (4) \$'000	Value of materials etc. used (5) \$'000	Value of production (6) \$'000	Value of output (7) \$'000
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FLOUR MILLS

1961-62	125	4,405	9,929	1,902	123,062	23,456	149,220
1962-63	118	4,219	9,600	1,873	120,792	23,910	146,575
1963-64	114	4,512	10,560	2,020	132,713	27,962	162,703
1964-65	108	4,253	10,736	1,964	124,974	29,210	156,148
1965-66	107	4,152	10,934	1,880	122,433	30,184	154,497

OTHER GRAIN MILLS

1961-62 (g)	91	3,659	7,256	1,650	35,124	21,533	58,306
1962-63 (g)	87	3,766	7,597	1,690	37,628	23,434	62,752
1963-64	80	3,602	7,572	1,669	39,583	24,987	66,240
1964-65	81	3,776	8,363	1,702	41,440	27,163	70,305
1965-66	82	3,904	9,307	1,814	41,952	28,411	72,176

ANIMAL AND BIRD FOOD FACTORIES

1961-62 (h)	151	1,447	3,166	450	30,465	7,912	30,827
1962-63 (h)	157	1,523	3,357	473	32,337	8,966	41,776
1963-64	174	1,720	3,923	558	37,571	10,731	48,860
1964-65	190	1,998	4,753	681	52,360	14,340	67,381
1965-66	187	2,075	5,279	795	65,021	16,991	82,807

(a) Average over whole year; includes working proprietors. (b) Excludes amounts drawn by working proprietors. (c) Includes water and lubricating oil.
 (d) Includes also value of containers, packing, etc., replacements of tools and repairs to plant. (e) Value of production equals column (7) less total of columns (4) and (5). (f) Value, at the factory, of goods produced. (g) Includes Animal and bird food factories for Tasmania. (h) Excludes Tasmania.

TABLE 2. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIES : SUMMARY
STATES, 1965-66

Particulars	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
FLOUR MILLS									
	Number								
Factories	34	25	12	18	13	5	..	..	107
Persons employed (a) -									
Males	1,179	1,235	516	417	273	120	..	..	3,742
Females	145	133	72	32	18	10	..	..	410
TOTAL	1,324	1,368	590	449	291	130	..	..	4,152
	\$'000								
Salaries and wages paid (b)	3,689	3,562	1,489	1,141	739	314	..	..	10,934
Value of -									
Power, fuel, light etc. used (c)	673	627	202	195	143	40	..	..	1,800
Materials, etc. used (d)	39,312	43,340	15,297	13,266	8,472	2,746	..	..	122,433
Production (e)	11,989	9,457	4,136	2,187	1,732	683	..	..	30,184
Output (f)	51,975	53,424	19,635	15,648	10,347	3,469	..	..	154,497
Land and buildings (g)	6,646	6,323	2,163	1,356	1,123	661	..	..	18,272
Plant and machinery (g)	4,947	4,502	1,257	1,450	688	662	..	..	13,506
	Horsepower								
Rated hp of engines ordinarily in use	18,676	21,449	5,449	5,308	4,122	1,966	..	..	56,970

For footnotes (a) to (f) see Table 1.

(g) Depreciated or book values at end of year.

TABLE 2. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIES : SUMMARY - contd
STATES, 1965-66

Particulars	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
OTHER GRAIN MILLS									
	Number								
Factories	27	26	7	10	9	2	1	..	62
Persons employed (a) -									
Males	1,586	798	141	101	75	(h)	(h)	..	2,718
Females	455	453	120	86	54	(h)	(h)	..	1,186
<u>TOTAL</u>	2,041	1,251	261	187	129	(h)	(h)	..	3,904
	\$'000								
Salaries and wages paid (b)	5,261	2,002	584	368	228	(h)	(h)	..	9,307
Value of -									
Power, fuel, light etc. used (c)	1,079	500	75	91	50	(h)	(h)	..	1,814
Materials, etc. used (d)	25,996	11,510	1,871	1,429	1,021	(h)	(h)	..	41,952
Production (e)	18,699	6,708	1,556	641	671	(h)	(h)	..	28,411
Output (f)	45,774	18,718	3,502	2,161	1,742	(h)	(h)	..	72,176
Land and buildings (g)	5,591	3,429	652	248	334	(h)	(h)	..	10,344
Plant and machinery (g)	6,899	4,276	351	400	192	(h)	(h)	..	12,139
	Horsepower								
Rated hp of engines ordinarily in use	19,220	10,378	1,084	1,853	978	(h)	(h)	..	33,724

For footnotes (a) to (f) see Table 1. (g) Depreciated or book values at end of year.
(h) Not available for publication.

TABLE 2. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIES : SUMMARY - continued
STATES, 1965-66

Particulars	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
ANIMAL AND BIRD FOOD FACTORIES									
	Number								
Factories	81	30	31	15	23	7	..	..	187
Persons employed (a) -									
Males	799	315	335	132	183	12	..	..	1,776
Females	118	75	51	24	30	1	..	..	299
TOTAL	917	390	386	156	213	13	..	..	2,075
	£'000								
Salaries and wages paid (b)	2,469	1,034	935	363	459	19	..	..	5,279
Value of -									
Power, fuel, light etc. used (c)	368	171	108	71	76	2	..	..	795
Materials, etc. used (d)	34,863	11,327	9,393	3,927	5,265	245	..	..	65,021
Production (e)	8,495	2,803	3,379	997	1,272	44	..	..	16,991
Output (f)	43,727	14,300	12,881	4,996	6,612	291	..	..	82,807
Land and buildings (g)	3,651	1,512	1,852	558	753	23	..	..	8,350
Plant and machinery (g)	2,581	1,058	1,493	457	658	14	..	..	6,261
	Horsepower								
Rated hp of engines ordinarily in use	12,576	3,811	6,178	3,926	3,081	196	..	..	29,768

For footnotes (a) to (f) see Table 1. (g) Depreciated or book values at end of year.

TABLE 3. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIES
AVERAGE SALARIES AND WAGES, OUTPUT, PRODUCTION ETC. PER EMPLOYEE : AUSTRALIA

Year	Salaries and wages per employee (a) \$	Value of output per person engaged (b) \$	Value of production per person engaged (b) \$	Ratio of salaries and wages to value of production %
FLOUR MILLS				
1961-62	2,262	33,875	5,325	42.33
1962-63	2,299	34,742	5,667	40.49
1963-64	2,343	36,060	6,197	37.76
1964-65	2,527	36,715	6,868	36.75
1965-66	2,638	37,210	7,270	36.22
OTHER GRAIN MILLS				
1961-62 (c)	1,995	15,935	5,885	33.70
1962-63 (c)	2,028	16,663	6,222	32.42
1963-64	2,110	18,390	6,937	30.31
1964-65	2,223	18,619	7,194	30.79
1965-66	2,394	18,488	7,277	32.75
ANIMAL AND BIRD FOOD FACTORIES				
1961-62 (d)	2,243	26,833	5,468	40.02
1962-63 (d)	2,255	27,430	5,887	37.45
1963-64	2,338	28,407	6,239	36.55
1964-65	2,430	33,724	7,177	33.14
1965-66	2,597	39,907	8,188	31.07

(a) Excludes working proprietors and amounts drawn by them. (b) Includes working proprietors. (c) Includes Animal and bird food factories for Tasmania. (d) Excludes Tasmania.

TABLE 4. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIES
PERSONS EMPLOYED (a)

Number employed in each factory	1961-62		1962-63		1963-64		1964-65		1965-66	
	No. of fac-tories	No. em-ployed	No. of fac-tories	No. em-ployed	No. of fac-tories	No. em-ployed	No. of fac-tories	No. em-ployed	No. of fac-tories	No. em-ployed
FLOUR MILLS										
Under 4	4	10	3	5	2	4	2	4	3	8
4	2	8	3	12	3	12	3	12	1	4
5 to 10	23	171	17	124	12	94	12	99	14	107
11 to 20	23	358	25	378	22	330	21	317	23	351
21 to 50	47	1,618	43	1,447	42	1,410	38	1,243	35	1,125
51 to 100	20	1,455	21	1,483	27	1,853	25	1,688	25	1,743
Over 100	6	809	6	781	6	906	7	911	6	835
<u>Total</u>	125	4,429	118	4,230	114	4,609	108	4,274	107	4,173
Average number employed per factory	35		36		40		40		39	

For footnotes see Page 9.

TABLE 4. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIES

PERSONS EMPLOYED (a) - continued

Number employed in each factory	1961-62		1962-63		1963-64		1964-65		1965-66	
	No. of fac-tories	No. em-ployed	No. of fac-tories	No. em-ployed	No. of fac-tories	No. em-ployed	No. of fac-tories	No. em-ployed	No. of fac-tories	No. em-ployed
OTHER GRAIN MILLS (b)										
Under 4	14	28	12	25	7	16	6	12	9	21
4	7	28	5	20	4	16	6	24	6	24
5 to 10	15	121	14	112	12	92	11	88	11	92
11 to 20	10	158	12	190	15	220	15	226	13	189
21 to 50	26	873	23	750	20	656	21	725	23	811
51 to 100	10	691	13	914	15	1,070	14	947	13	1,023
Over 100	9	1,776	8	1,757	7	1,555	8	1,781	7	1,762
<u>Total</u>	91	3,675	87	3,768	80	3,625	81	3,803	82	3,922
Average number employed per factory	40		43		45		47		48	

ANIMAL AND BIRD FOOD FACTORIES (c)

Under 4	53	95	55	96	64	104	69	117	67	126
4	9	36	9	36	13	52	16	64	13	52
5 to 10	38	254	40	278	44	318	52	375	48	334
11 to 20	32	427	36	503	31	444	24	358	29	405
21 to 50	17	500	13	363	16	403	23	660	24	763
51 to 100	2	157	4	269	6	428	5	337	5	310
Over 100	..	..	..	..	..	..	1	112	1	101
<u>Total</u>	151	1,469	157	1,545	174	1,749	190	2,023	187	2,091
Average number employed per factory	10		10		10		11		11	

TOTAL MILLS AND FACTORIES

Under 4	71	133	70	126	73	124	77	133	79	155
4	18	72	17	68	20	80	25	100	20	80
5 to 10	76	546	71	514	68	504	75	562	73	533
11 to 20	65	943	73	1,071	68	994	60	901	65	945
21 to 50	90	2,991	79	2,560	78	2,469	82	2,628	82	2,699
51 to 100	32	2,303	38	2,666	48	3,351	44	2,972	43	3,076
Over 100	15	2,585	14	2,538	13	2,461	16	2,804	14	2,698
<u>TOTAL</u>	367	9,573	362	9,543	368	9,983	379	10,100	376	10,186
Average number employed per factory	26		26		27		27		27	

(a) Average number employed during period of operation whether for the whole or only part of the year. Includes working proprietors. (b) Includes Animal and bird food factories, in Tasmania, prior to 1 July 1963. (c) Excludes Tasmania prior to 1 July 1963.

TABLE 5. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIES
PERSONS EMPLOYED (a) BY OCCUPATIONAL STATUS
AUSTRALIA, 1965-66

Occupational status	Flour mills		Other grain mills		Animal and bird food factories	
	Males	Females	Males	Females	Males	Females
Working proprietors	8	..	14	3	40	2
Managerial and clerical staff, including salaried managers and working directors	527	254	280	202	229	160
Chemists, draftsmen and other laboratory and research staff	107	62	122	41	27	10
Workers in factory (skilled and unskilled), foremen and overseers, carters (excluding delivery only), messengers and persons working regularly at home ..	3,100	94	2,302	940	1,480	127
TOTAL	3,742	410	2,718	1,186	1,776	299

(a) Average number employed calculated on a "whole year" basis, i.e. in factories working less than a full year, the average numbers are reduced to whole year equivalents.

TABLE 6. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIES
PERSONS EMPLOYED (a) BY OCCUPATIONAL STATUS
AUSTRALIA

Occupational status	1961-62	1962-63	1963-64	1964-65	1965-66
MALES -					
Working proprietors	66	55	51	52	62
Managerial and clerical staff, including salaried managers and working directors	956	965	966	1,010	1,036
Chemists, draftsmen and other laboratory and research staff	187	201	220	226	256
Workers in factory (skilled and unskilled), foremen and overseers, carters (excluding delivery only), messengers and persons working regularly at home	6,545	6,568	6,816	6,900	6,882
{ <u>Males</u>	7,754	7,789	8,053	8,188	8,236
{ <u>Females</u>	1,757	1,719	1,781	1,839	1,895
TOTAL { <u>Persons</u>	9,511	9,508	9,834	10,027	10,131

(a) See footnote (a) Table 5.

TABLE 7. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIES

PERSONS EMPLOYED BY AGE AND SEXAUSTRALIA

(Excluding working proprietors)

Last pay day in June	Under 16 years	16 to 20 years	21 years and over	Total all ages
FLOUR MILLS				
Males				
1962	8	200	3,703	3,911
1963	10	187	3,614	3,811
1964	10	241	3,796	4,047
1965	5	261	3,601	3,867
1966	5	250	3,410	3,665
Females				
1962	9	126	287	422
1963	7	133	265	405
1964	4	143	319	466
1965	10	142	250	402
1966	7	147	269	423
OTHER GRAIN MILLS				
Males				
1962 (a)	14	181	2,352	2,547
1963 (a)	11	178	2,466	2,655
1964	9	152	2,333	2,494
1965	13	181	2,389	2,583
1966	11	200	2,557	2,768
Females				
1962 (a)	39	221	910	1,170
1963 (a)	29	281	812	1,122
1964	23	263	826	1,112
1965	21	273	903	1,197
1966	9	241	902	1,152

For footnotes see page 12.

TABLE 7. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIESPERSONS EMPLOYED BY AGE AND SEX - continuedAUSTRALIA

(Excluding working proprietors)

Last pay day in June	Under 16 years	16 to 20 years	21 years and over	Total all ages
ANIMAL AND BIRD FOOD FACTORIES				
Males				
1962 (b)	12	86	1,169	1,267
1963 (b)	11	93	1,177	1,281
1964	9	123	1,386	1,518
1965	7	164	1,621	1,792
1966	7	155	1,566	1,728
Females				
1962 (b)	2	46	105	153
1963 (b)	3	45	117	165
1964	8	60	148	216
1965	8	63	186	257
1966	7	76	233	316

(a) Includes Animal and bird food factories for Tasmania. (b) Excludes Tasmania.

TABLE 8. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIESCLASS OF ENGINE AND RATED HORSEPOWER : AUSTRALIA

Class of engine	Rated horsepower of engines					
	Ordinarily in use			In reserve or idle		
	1963-64	1964-65	1965-66	1963-64	1964-65	1965-66
Steam - Reciprocating	173	145	153	108	..	..
Turbine	810	24	24	..	800	800
Internal combustion -						
Petrol & other light oils	1,997	1,623	2,321	2,450	2,206	2,936
Heavy oils ..	172	972		795	790	
Water ..	830	830	830	..	..	..
Total hp prime movers	3,982	3,594	3,328	3,353	3,786	3,736
Motors driven by electricity -						
Purchased ..	104,123	110,135	117,134	13,238	12,699	14,310
Own generation ..	(a) 1,146	(a) 324	(a) 343	395	..	..
Total hp electricity motors	105,269	110,459	117,477	13,633	12,699	14,310
TOTAL POWER EMPLOYED	108,105	113,729	120,462	16,986	16,485	18,046

(a) These motors are driven by electricity generated by prime movers and, to avoid duplication, are excluded from statistics of total power employed.

TABLE 9. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIES

POWER, FUEL, LIGHT, ETC. USED : AUSTRALIA

Particulars	Unit of quantity	Quantity			Value (\$'000)		
		1963-64	1964-65	1965-66	1963-64	1964-65	1965-66
Power, fuel and light -							
Coal - Black	ton	19,024	16,431	16,557	163	132	145
Brown	"	3,300	3,190	3,427	10	9	10
Brown coal briquettes	"	9,666	13,595	11,428	63	89	74
Coke	"	462	469	495	7	7	7
Wood	"	1,020	2,103	2,541	4	8	11
Fuel oil	'000 gal	3,375	3,865	4,331	425	463	492
Electricity	-	}	(a)	(a)	3,134	3,145	3,233
Gas	-				153	160	172
Other (charcoal, etc.)	-				5	12	2
Water and lubricating oil	-	}			(a)	(a)	291
TOTAL			(a)	(a)			(a)

(a) Value only available.

TABLE 10. - FLOUR, OTHER GRAIN MILLS AND ANIMAL AND BIRD FOOD FACTORIES

VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY, ETC. : AUSTRALIA

(\$'000)

Year	Book value as at 30 June (a)		Additions and replacements made during year		Depreciation allowed during year	
	Land and buildings	Plant and machinery	Land and buildings	Plant and machinery	Land and buildings	Plant and machinery
1961-62	26,695	24,574	1,155	4,035	206	2,363
1962-63	29,729	26,518	2,057	3,589	228	2,517
1963-64	33,488	28,442	2,088	5,327	260	3,074
1964-65	34,500	30,841	1,710	5,410	298	2,969
1965-66	36,966	32,906	2,236	5,619	308	3,122

(a) Includes estimated value of rented premises and machinery.

TABLE 11. - SELECTED MATERIALS USED IN FACTORIES CLASSIFIED TO SUB-CLASSES
0901 (FLOUR MILLS), 0902 (CEREAL FOODS AND STARCH) AND 0903 (ANIMAL
AND BIRD FOODS) : AUSTRALIA (a)

Item	Commodity code no.	Sub- class	Unit of quantity	1964-65		1965-66	
				Quantity	Value \$'000	Quantity	Value \$'000
Wheat	061.01,03,	0901	'000 bus	71,643	104,596	66,031	98,386
	06,07,08,	0902	"	1,103	1,686	1,131	1,666
	09	0903	"	6,451	9,325	9,828	14,607
Maize - For other products	061.21	0901	"	49	68	17	34
	061.28	0902	"	1,704	3,031	1,352	2,485
		0903	"	1,032	1,491	614	906
Oats - For purposes other than stockmeal	061.31	0901	"	3,380	2,236	3,232	(b)
	061.38	0902	"	2,799	(b)	2,632	2,431
	061.41	0903	"	5,629	4,387	4,747	4,166
Barley - For purposes other than stockmeal	061.51	0901	"	1,545	1,424	1,558	1,669
	061.58	0902	"	105	115	82	96
	061.61	0903	"	3,657	3,581	3,577	3,836
Rice - Paddy	061.66	0902	'000 tons	139	8,515	150	9,282
Polished (incl. broken)	061.67	0902	'000 cwt	122	822	149	1,007
Unpolished (incl. broken)	061.69	0902	"				
Rye - For purposes other than stockmeal	061.71	0901	'000 bus	144	226	193	287
	061.78	0902	"				
		0903	"	96	104	177	183
Sorghum - For purposes other than stockmeal	061.81	0901	"	234	288	187	229
	061.88	0902	"				
		0903	"	2,957	3,772	3,148	4,045
Flour - For self raising flour	062.12	0901	'000 short ton *	10	(b)	9	(b)
	062.13	0902	"	139	(b)	152	(b)
		0903	"	1	60	1	97
	062.20						
	062.26						
Sugar	102.15,18,	0901	'000 70lb bags	187	1,041	178	981
	24,29,34, 41	0902	"				
Bran (Wheaten) for fodder and food	152.02	0901	'000 short ton *	16	(b)	18	(b)
		0903	"	71	(b)	67	(b)
Pollard (Wheaten) incl. pollard used for fodder and food	152.06	0901	"	29	(b)	34	(b)
		0903	"	94	(b)	97	(b)
Screenings, wheaten	152.10	0903	"	5	165	8	290
Wheatmeal, for stock food (incl. crushed wheat, offal)	152.14	0901	"	11	(b)	20	(b)
		0903	"	142	(b)	206	(b)

For footnotes see page 15.

TABLE 11. - SELECTED MATERIALS USED IN FACTORIES CLASSIFIED TO SUB-CLASSES
0901 (FLOUR MILLS), 0902 (CEREAL FOODS AND STARCH) AND 0903 (ANIMAL
AND BIRD FOODS) : AUSTRALIA (a) - continued

Materials used	Commodity code no.	Sub- class	Unit of quantity	1964-65		1965-66	
				Quantity	Value \$'000	Quantity	Value \$'000
Maize meal, for stock food (incl. crushed maize, offal)	152.25	0901	'000	2	(b)	1	(b)
		0902	short				
		0903	ton *				
Oatmeal for stock food (incl. crushed oats, offal)	152.29	0901	"	22	(b)	13	(b)
		0902	"	16	(b)	14	(b)
		0903	"	53	(b)	51	(b)
Barley, flour and meal (incl. crushed barley, offal)	152.33	0901	"	22	(b)	15	(b)
		0902	"	76	(b)	62	(b)
		0903	"	1,607	(b)	(c)	(b)
Rice meal and offal	152.37	0901	"	6,705	(b)	4,756	208
		0903	"	2,521	(b)	5,467	(b)
Rye flour and meal (incl. crushed rye, offal)	152.41	0901	"	5,707	(b)	1,595	(b)
		0903	"				
		0902	"				
Sorghum meal	152.45	0901	"	70,236	(b)	47,115	(b)
		0903	"	(c)	(b)	(c)	(b)
		0902	"	74,516	(b)	93,141	(b)
Mixed crushed grain	152.65	0901	"	6,770	311	10,135	551
		0903	"	40,382	1,671	84,542	3,874
		0902	"	55,538	2,290	57,076	2,770
Oilseed meals (linseed, peanut etc.)	153.01	0901	'000 lb	172,201	6,751	172,994	7,969
		0903	"	432	82	481	88
		0902	"	405	67	354	58
Meat meal	156.02	0901	"	81	22	80	20
		0903	"				
		0902	"				
Food phosphate	406.92	0901	"				
		0903	"				
		0902	"				
Cream of tartar	407.20	0901	"				
		0903	"				
		0902	"				

(a) Excludes Northern Territory and Australian Capital Territory. (b) Quantity only available. (c) Not available for publication. * Short ton of 2,000 lb.

TABLE 12. - SELECTED ARTICLES PRODUCED IN ALL FACTORIES : AUSTRALIA (a)

(NOTE. These details relate to production in all factories, irrespective of classification.)

Item	Commodity code no.	Unit of quantity	1964-65		1965-66	
			Quantity	Value \$'000	Quantity	Value \$'000
Oats, hulled (shelled)	061.41	ton *	5,047	341	5,418	335
Pearl barley	061.61	"	2,017	174	1,922	184
Rice (polished, unpolished or broken)	061.68	'000 cwt	1,969	11,570	2,080	14,232
Flour, white (incl. sharps)	062.01	'000 tons *	1,504	112,054	1,370	105,301
Semolina	062.04	ton *	16,532	1,275	19,744	1,558
Wheatmeal - For baking	062.32	"	48,902	3,799	44,267	3,514
Granulated for porridge (incl. pre-cooked)	062.38	"	2,131	417	1,998	382

For footnotes see Page 16.

* Short ton of 2,000 lb.

TABLE 12. - SELECTED ARTICLES PRODUCED IN ALL FACTORIES : AUSTRALIA(a) - continued

(NOTE. These details relate to production in all factories, irrespective of classification.)

Item	Commodity code no.	Unit of Quantity	1964-65		1965-66	
			Quantity	Value \$'000	Quantity	Value \$'000
Wheat germ	062.41	ton*	2,676	178	2,891	188
Sausage binder and similar meals	062.43	"	5,088	491	8,498	723
Oatmeal and rolled oats -						
Kilned - for porridge	062.61	'000 cwt	312	3,595	307	3,172
Unkilned	062.63,65	"	544	1,785	404	1,382
Macaroni, vermicelli and spaghetti (dry)	065.01	"	393	3,953	393	4,189
Cereal breakfast foods - (ready to eat) all types	066.01,06, 11.16,21,31	}	879	20,735	904	21,867
Flour, self raising	068.01		902	6,004	864	5,764
Split peas	093.14	"	126	749	133	973
Health, invalid and baby food	125.01	"	32	830	31	799
Starch - Wheat	127.11	'000 lb	113,397	(b)	130,908	(b)
Other	127.14,17, 19	}	18,874	(b)	14,628	1,003
Glucose	127.21		'000 lb	57,444	3,965	60,779
Gluten - Dried	127.31	"	16,874	3,285	19,992	3,806
Wet	127.34	"	20,987	1,807	21,863	1,908
Dextrin	127.41	"	13,827	1,188	15,101	1,387
Bran, wheat	152.02	'000 tons*	229	8,392	206	8,093
Pollard, wheaten	152.06	"	326	13,173	303	12,896
Screenings from wheat	152.10	ton*	2,066	(b)	3,865	(b)
Wheatmeal - For stock food	152.14	'000 tons*	208	(b)	284	(b)
Maize meal, crushed maize and offal	152.25	"	43	(b)	26	(b)
Oats, crushed for stock feed	152.29	"	170	(b)	151	(b)
Rice meal and offal for stock feed	152.37	"	12	305	13	589
Sorghum meal	152.45	"	81	(b)	57	(b)
Grain, mixed crushed - (For sale)	152.65	ton*	8,105	(b)	9,516	523
Pea meal	155.02	cwt	48,379	104	60,582	139
Prepared animal and bird foods -						
Dog and cat food - Canned (all types)	159.01	'000 lb	33,713	3,199	44,809	4,629
Dog biscuits (whole)	159.02	"	10,451	960	15,777	1,344
Other (incl. cubes, meals, etc.)	159.03	"	21,605	1,537	35,343	2,630
Poultry feed - Pellets and crumbles	159.11	'000 tons*	592	39,732	673	50,015
Mash	159.15	"	196	12,841	216	15,718
Other stock and poultry feeds	159.21	"	263	16,386	301	20,888

(a) Excludes Northern Territory and Australian Capital Territory. (b) Quantity only available. * Short ton of 2,000 lb.

TABLE 13. - PRINCIPAL ARTICLES PRODUCED IN ALL FACTORIES : AUSTRALIA(a)(NOTE. These details relate to production in all factories, irrespective of classification.)

Item	Commodity code no.	Unit of quantity	1961-62	1962-63	1963-64	1964-65	1965-66
Flour (wheaten)(b)	062.01,32	'000 tons*	1,506	1,465	1,672	1,553	1,414
Pearl barley	061.61	ton	2,204	2,157	1,940	2,017	1,922
Rice -							
Polished (incl. broken)	061.67	'000 cwt	1,538	1,693	1,596	1,969	2,080
Unpolished (incl. broken)	061.69	"					
Oatmeal for porridge (kilned)	062.61	'000 cwt	304	296	295	312	307
Macaroni, vermicelli and spaghetti	065.01	"	348	351	373	393	393
Prepared breakfast foods	066.01,11,16,21,31	"	797	813	834	879	904
Split peas	093.14	"	116	126	135	126	133
Starch, all types	127.11,14,19,17	mill. lb	83	92	102	132	146

(a) Excludes Northern Territory and Australian Capital Territory. (b) Includes wheatmeal for baking and sharps. * Short ton of 2,000 lb.

TABLE 14. - PRODUCTION OF FLOUR (a) IN ALL MILLS : AUSTRALIA(b)(NOTE. These details relate to production in all factories, irrespective of classification.)

(Tons of 2,000 lb)

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Total
1961-62	548,687	456,980	155,870	171,831	143,125	29,053	1,505,546
1962-63	526,704	434,740	162,927	173,263	137,990	29,147	1,464,771
1963-64	620,775	517,868	181,010	179,281	145,192	27,412	1,671,538
1964-65	572,059	469,374	182,875	164,383	136,499	27,962	1,553,152
1965-66	500,656	426,654	189,499	154,444	115,602	27,582	1,414,437
1966-67(c)	540,747	405,381	165,605	142,446	104,317	26,113	1,384,609

(a) Includes wheatmeal for baking and sharps. (b) Excludes Northern Territory and Australian Capital Territory. (c) Preliminary; subject to revision.

TABLE 15. - FACTORY STOCKS OF WHEAT, WHEAT PRODUCTS,
CEREAL BREAKFAST FOODS AND OTHER CEREAL PRODUCTS : AUSTRALIA (a)

Item	Commodity code no.	Stocks held on -	
		30 June 1965	30 June 1966
Wheat	061.01	'000 bushels 10,534	'000 bushels 10,339
Pearl barley	061.61	cwt 2,076	cwt 1,721
White flour (incl. sharps)	062.01	ton (2,000 lb) 63,014	ton (2,000 lb) 59,757
Semolina	062.04	378	632
Wheatmeal for baking	062.32	1,483	1,748
Wheatmeal, granulated and rolled (for porridge)	062.38	7	11
Wheat germ	062.41	70	141
Oatmeal and rolled oats (for human consumption)	062.59	cwt 21,138	cwt 18,506
Barley meal and flour (for human consumption)	062.71	(b)	(b)
Breakfast food, granulated and rolled n.e.i.	062.91	1,823	2,575
Cereal breakfast foods, prepared - From wheat - Wheat flakes, biscuits, etc., edible bran	066.01,06	14,897	19,548
From maize (corn) - Cornflakes, etc.	066.11	(b)	(b)
From rice	066.21	(b)	(b)
Other	066.31	(b)	(b)
Other cereal products for human consumption - Health, invalid and baby foods (cereal based)	125.01	2,500	2,369
Starch (incl. cornflour) all types	127.11,14, 17,19	'000 lb 8,199	'000 lb 10,708
Glucose	127.21	3,347	3,744
Dried gluten	127.31	1,032	1,916
Wet gluten	127.34	101	85
Dextrin	127.41	2,979	3,324
Wheatmeal - For stock feed (incl. crushed wheat and offal)	152.14	tons (2,000 lb) 930	tons (2,000 lb) 1,127

(a) Excludes Northern Territory and Australian Capital Territory. (b) Not available for publication.

TABLE 16. - EXPORTS OF FLOUR AND OTHER CEREAL PRODUCTS : AUSTRALIA

Statistical item	Description	1961-62	1962-63	1963-64	1964-65	1965-66
03154	Flour, wheaten - tons (2,000lb)	579,274	523,062	684,629	572,114	390,739
	Plain white \$A'000	34,794	31,390	42,238	37,334	24,754
03153	White, self raising centals	14,571	21,465	17,229	21,086	11,037
	\$A'000	100	124	114	124	109
03151	Sharps centals	367,955	337,704	532,527	441,262	428,244
	\$A'000	1,170	200	1,232	1,426	1,420
03110		tons	14,027	11,991	9,946	10,814
03120	Rice, uncleaned					11,411
03125	\$A'000	1,572	1,392	1,192	1,272	1,347
03130	Rice, cleaned, whole tons	31,401	35,823	43,685	40,169	50,225
	\$A'000	3,672	4,510	5,846	6,080	6,617
03215	Barley, pearl and centals	13,427	2,813	3,550	4,264	5,222
	scotch \$A'000	46	20	18	17	20
03230	Gluten and gluten centals	73,667	93,187	90,333	71,810	73,369
	flour \$A'000	1,264	1,546	1,450	1,203	1,238
03211	Oatmeal, wheatmeal centals	621,817	698,942	786,754	875,104	592,619
03250	and rolled oats \$A'000	1,876	2,222	2,400	3,232	2,408
	(for porridge)					
03310	Semolina centals	25,481	25,589	27,129	32,418	17,630
	\$A'000	110	112	122	142	82
03152	Wholemeal flour (for centals	85,303	52,407	56,377	56,412	50,159
	baking) \$A'000	254	158	172	172	172
03260	Breakfast foods n.e.i. centals	33,334	20,342	30,814	24,180	23,914
	\$A'000	122	204	360	270	216
03390	Other prepared cereals centals	15,729	16,885	23,206	26,213	25,280
	\$A'000	26	150	122	124	173
03240	Macaroni and centals	4,805	5,430	7,362	6,651	10,133
	Vermicelli \$A'000	50	58	78	69	109

NOTE. Values are expressed in \$A f.o.b. port of shipment.

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CANBERRA, A.C.T. 2600 9 FEBRUARY 1968

NOTE. Inquiries concerning these statistics may be made in Canberra by telephoning (3) 9111 Extension 2267 or, in each State capital, by telephoning the office of the Bureau of Census and Statistics.