



AUSTRALIAN BUREAU OF STATISTICS
Canberra



CROPS AND PASTURES
AUSTRALIA

1986-87

CATALOGUE NO. 7321.0

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**CROPS AND PASTURES
AUSTRALIA
1986-87**

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AUSTRALIAN BUREAU OF STATISTICS

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EXPLANATORY NOTES

Scope and coverage

1. Statistics in this publication are, unless otherwise specified, derived from the annual Agricultural Census conducted throughout Australia at 31 March, which collects data from establishments with agricultural activity.
2. The ABS excludes from the Census those establishments which make only a small contribution to overall agricultural production. From 1986-87 the scope of the Census is establishments undertaking agricultural activity having an estimated value of agricultural operations (EVAO) of \$20,000 or more. The scope of previous Censuses was establishments undertaking agricultural activity having an EVAO of \$2,500 or more.
3. This change in scope will mean that the current Census results are not directly comparable to previous Census results. To assist users in making comparisons, selected data from the 1985-86 Census has been retabulated on both the \$2,500 and \$20,000 bases. The effect of these changes is shown in Table 30. Bridging comparisons for all commodities are available to interested users upon request.
4. In addition to the census, some basic data are collected for a limited range of commodities from those establishments having an EVAO of between \$5,000 and \$19,999. This data is used together with census data to derive estimates of totals for selected commodities for all establishments having an EVAO greater than \$5,000 (see Table 31).
5. In addition to the information derived from the Agricultural Census, some statistics in this publication (in Tables 6-9) have been provided by the Australian Wheat Board.
6. The information in this publication is presented in a framework comprising the following three sections:

I Summary

II Commodities

- A—Cereals
- B—Vegetables for human consumption
- C—Other crops
- D—Pastures and grasses
- E—Stocks of major grains and fodder

III Bridging and estimate tables

Crop commodities

7. Statistics of areas and production of crops relate, in the main, to crops sown during the year ended 31 March. Statistics of perennial crops relate to the position as at 31 March and production during the year ended on that date. For example, particulars of area, production and yield per hectare of wheat in Australia refer to wheat sown during the period from April to September and harvested between October and the following February, i.e. the 1986-87 season relates to the harvesting period October 1986 to February 1987. Statistics of other crops which in some States are harvested after 31 March 1987 (e.g. maize

and potatoes) are collected by supplementary census returns and are included in this publication.

Related publications

8. Users may wish to refer to the following priced publications which are available on request:

Agricultural Industries, Structure of Operating Units, Australia, 1985-86 (7102.0)

Agricultural Land Use and Selected Inputs, Australia, 1986-87 (7411.0)

Foreign Trade, Australia, Exports 1986-87 (5436.0)

Foreign Trade, Australia, Imports 1986-87 (5437.0)

Fruit, Australia, 1986-87 (7322.0)

Selected Agricultural Commodities, Australia, 1987-88, Preliminary (7112.0)

Value of Agricultural Commodities Produced, Australia, 1986-87 (7503.0)

Viticulture, Australia, 1986-87 (7310.0)

9. In addition to releasing agricultural statistics in printed publications, the ABS also has an Agricultural Data Dissemination Service (ADDS) which provides agricultural statistics on magnetic tape, microfiche and floppy disk. ADDS offers a wider range of data, aggregated at smaller geographic areas than those generally available in printed publications. ADDS is available for each year from 1976-77 to 1986-87.

10. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The *Catalogue and Publications Advice* are available from any ABS office.

11. The figures shown in this publication have been revised where necessary and as a consequence may not agree with similar data shown in previous publications.

12. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

13. Unless indicated otherwise, Australian totals include data for all States and both Territories.

Symbols and other usages

- p preliminary figure or series subject to revision
- nil or rounded to zero
- n.a. not available
- n.c. not collected
- f.o.b. free on board
- f.o.r. free on rail
- n.y.a. not yet available
- .. not applicable
- Mil million
- sq m square metre
- | break in series; refer to Explanatory Notes, paragraph 2.

Electronic services

VIATEL. Key *656# for selected current economic, social and demographic statistics.

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Selected ABS statistics are available on floppy disk. Further information is available on (062) 52 6684.

I. SUMMARY

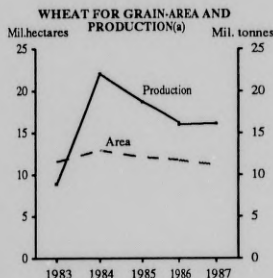
SUMMARY OF FINDINGS

Final statistics from the 31 March 1987 Agricultural Census and other Agricultural collections indicate the following:

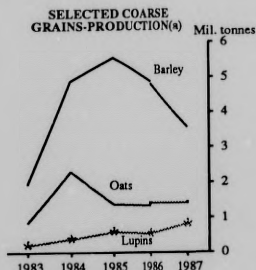
The area sown to crops decreased slightly to 19.8 million hectares, a fall of 0.85 million hectares.

The decline in cropped area is attributed mainly to reduced plantings of Barley and Wheat by 29.7 and 3.2 per cent respectively. Wheat area may have dropped less than Barley because of an assured minimum price set by the Australian Government.

Despite lower wheat plantings in 1986-87, wheat production increased by 120,000 tonnes due mainly to higher yields as a result of better weather conditions.



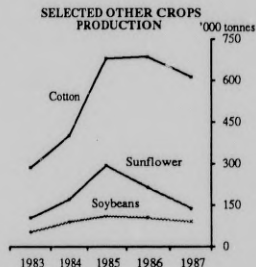
Area and production of barley decreased from 3.2 to 2.3 million hectares and 4.8 to 3.5 million tonnes respectively with Queensland and Western Australia showing substantial decreases. Area and production of Lupins increased by 0.61 million hectares (27.5 per cent) and 2.8 million tonnes (53.3 per cent). Area and production of oats also show slight increases.



(a) see paragraph 3 of explanatory notes.

The area sown to cotton decreased by 21,000 hectares to 156,000 hectares while production of seed cotton decreased to 612,000 tonnes.

There was a general decline in the area and production of oilseeds in 1986-87 with a decrease in the total area planted to oilseeds of 26.2 per cent. Sunflower area and production declined by 29.6 per cent and 35.7 per cent respectively.



1986-87 Nursery, cut flowers and cultivated turf sales of \$287.2 million is a 43.1 per cent increase on 1983-84, when last collected.

The 1986-87 collection also reflects:

- value of nursery growing sales of \$182.2 m, of which exotic shrubs and trees is \$40.2 m and ferns and indoor plants \$36.3 m.
- cut flower sales of \$50.7 m, of which carnations valued \$14.1 m and rose sales of \$12.3 m.
- value of nursery growing-on sales of \$42.7 m, of which \$15.2 m is attributed to ferns and indoor plants and \$12.5 m to exotic trees and shrubs.
- cultivated turf sales recorded \$14.3 m.

1987-88 preliminary information for Selected Agricultural Commodities is available and contained in Catalogue No. 7112.0.

TABLE 1. LAND UTILISATION AND NUMBERS OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY YEARS ENDED 31 MARCH 1986 AND 1987

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
LAND UTILISATION ('000 HECTARES)									
Area of crops(a)—									
1985-86	5,925	2,477	3,170	3,000	5,954	84	7	1	20,618
1986-87	5,325	2,317	3,036	3,066	5,930	78	12	—	19,764
Area of sown pastures and grasses—									
1985-86	5,572	5,356	4,207	3,395	6,940	831	32	24	26,357
1986-87	5,937	5,820	3,979	3,586	7,111	832	51	23	27,341
Total area of establishments—									
1985-86	60,034	13,152	154,336	57,854	109,597	1,881	71,398	53	468,306
1986-87	60,804	13,127	151,723	59,471	112,734	1,873	71,238	50	471,019
NUMBERS OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY									
Crops—									
1985-86	25,987	18,497	18,498	11,943	10,706	2,262	59	24	87,976
1986-87	25,142	17,641	18,277	12,001	10,693	2,169	107	18	86,048
Sown pastures and grasses—									
1985-86	19,892	25,099	6,680	7,690	8,593	3,224	42	55	71,275
1986-87	20,251	25,455	6,811	8,133	8,609	3,295	47	52	72,653
Total establishments—									
1985-86	36,880	32,981	25,549	14,488	13,259	3,413	239	72	126,881
1986-87	37,355	34,383	25,860	15,369	13,852	3,637	290	68	130,814

(a) Excludes pastures and grasses harvested for hay and seed which have been included in 'Sown pastures and grasses'.

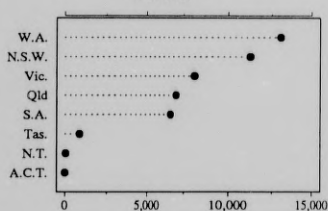
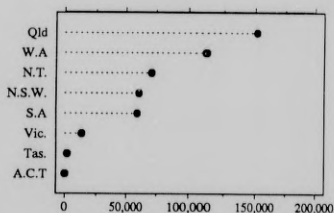
AREA OF CROPS, PASTURES AND GRASSES, 1986-87
'000 hectaresTOTAL AREA OF ESTABLISHMENTS, 1986-87
'000 hectares

TABLE 2. AREA OF CROPS AND PASTURES : SUMMARY, YEARS ENDED 31 MARCH 1986 AND 1987
(*000 hectares)

	Australia		1987						
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.
Crops for grain—									
Cereals—									
Barley	3,238	2,274	408	265	168	955	468	8	—
Canary seed	14	15	3	1	12	—	—	—	—
Grain sorghum	729	818	188	—	625	—	—	—	5
Maize	82	58	16	1	38	—	1	—	1
Oats	1,049	1,140	482	215	20	113	302	8	—
Panicum and millet	30	42	3	3	36	—	—	—	—
Rice	106	96	92	—	4	—	—	—	—
Rye	48	75	8	23	—	41	2	—	—
Triticale	135	145	74	18	12	8	33	1	—
Wheat	11,683	11,135	3,099	1,364	795	1,616	4,260	2	—
Total	17,109	15,799	4,374	1,888	1,710	2,733	5,068	19	6
Legumes—									
Lupins for grain	586	747	37	27	—	29	653	—	—
Field peas for grain	207	314	17	198	—	87	11	2	—
Other	96	183	39	7	101	34	—	—	—
Total	889	1,244	93	232	101	150	664	2	1
Crops for hay—									
Barley	18	23	2	1	2	11	7	—	—
Oats	171	205	39	34	5	46	80	1	—
Wheat	57	67	19	4	4	10	30	—	—
Other	6	11	2	2	3	2	—	—	—
Total	252	306	62	41	14	69	119	1	—
Crops for green feed or silage—									
Barley	71	85	33	2	32	9	8	—	—
Forage sorghum	110	177	30	1	145	—	1	—	1
Grain sorghum	47	90	20	—	68	—	—	—	2
Maize	7	7	3	1	3	—	—	—	—
Oats	626	645	283	21	261	32	36	12	—
Rye	9	9	5	1	—	3	—	—	—
Vegetables for animal feed	24	24	4	7	2	1	—	10	—
Wheat	27	71	21	2	44	2	2	—	—
Other	84	83	25	10	25	4	10	8	—
Total	1,005	1,191	424	45	580	51	57	30	3
Oilseeds—									
Linseed	10	7	2	3	—	1	1	—	—
Rapeseed	74	65	37	18	—	5	5	—	—
Safflower	47	30	11	10	7	2	—	—	—
Soybeans	68	54	25	—	29	—	—	—	—
Sunflower	274	193	75	7	108	1	—	—	—
Total	473	349	150	39	145	9	6	—	—
Vegetables for human consumption	108	111	20	28	32	7	7	17	—
Fruit(a)—									
Orchard fruit	85	89	30	19	16	16	5	3	—
Tropical and other fruit	17	18	5	1	12	—	1	—	—
Total	102	107	35	20	28	16	6	3	—
Grapes(a)	60	57	12	19	1	23	2	—	—
Other crops—									
Sugar cane (total)	378	379	24	—	355	—	—	—	—
Cotton	177	156	125	—	31	—	—	—	—
Peanuts	29	34	1	—	33	—	—	—	—
Tobacco	5	5	—	2	3	—	—	—	—
All other crops	29	26	5	3	3	8	1	6	2
Total other crops	620	600	155	5	425	8	1	6	2
Total area used for crops	20,618	19,764	5,325	2,317	3,036	3,066	5,930	78	12
Pastures—									
Cut for hay	773	972	213	443	38	129	99	45	5
Harvested for seed	77	96	13	21	10	28	24	1	—
Cut for green feed or silage	69	71	13	32	3	5	9	—	—
Total area used for pastures	919	1,139	239	496	51	161	132	55	5
Total area used for crops and pastures	21,538	20,904	5,564	2,812	3,087	3,227	6,063	133	17

(a) Fruit and grape statistics are included in the summary tables to provide a complete picture of area used for crops and pastures. Fruit and grape statistics are published in detail in their own respective publications, refer to Explanatory Notes, paragraph 8.

TABLE 3. PRODUCTION OF PRINCIPAL CROPS AND PASTURES: SUMMARY, YEARS ENDED 31 MARCH 1986 AND 1987 ('000 tonnes)

	Australia		1987						
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.
Crops for grain—									
Cereals—									
Barley	4,801	3548	614	444	276	1,592	601	21	—
Canary seed	15	11	2	—	9	—	—	—	—
Grain sorghum	1,405	1,419	392	1	1,019	—	1	—	7
Maize	272	206	77	3	118	1	6	—	2
Oats	1,306	1,584	635	356	19	149	414	11	—
Panicum and millet	30	39	3	5	32	—	—	—	—
Rice	715	608	589	—	19	—	—	—	—
Rye	24	55	7	19	—	22	1	5	—
Triticale	219	233	143	28	23	7	28	3	—
Wheat	15,999	16,119	4,855	2,795	833	2,255	5,377	5	—
Legumes—									
Lupins for grain	523	802	41	37	—	40	683	1	—
Field peas for grain	239	513	24	335	—	143	10	2	—
Crops for hay—									
Barley	42	57	5	4	4	28	17	—	—
Oats	558	676	111	146	12	147	255	4	—
Wheat	157	186	55	12	6	30	82	1	—
Other	16	23	4	2	5	4	5	—	1
Oilseeds—									
Linseed	12	7	2	3	—	1	—	—	—
Rapeseed	87	76	43	22	—	8	3	—	—
Safflower	27	19	7	7	4	1	—	—	—
Soybeans	103	90	45	—	44	—	—	—	—
Sunflower	213	137	60	8	68	2	—	—	—
Other crops—									
Sugar cane	24,293	24,742	1,276	—	23,466	—	—	—	—
Cotton—									
seed cotton	685	612	499	—	113	—	—	—	—
raw cotton(a)	248	217	177	—	40	—	—	—	—
Peanuts (in shell)	43	48	2	—	44	—	1	—	—
Tobacco	11	12	1	4	8	—	—	—	—
Pastures—									
Cut for hay	2,989	3,719	803	1,768	202	426	321	195	2
Harvested for seed	19	23	2	7	1	9	5	—	—

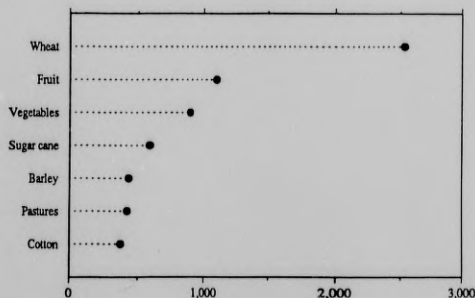
(a) This data represents seed cotton production expressed in terms of "raw" cotton i.e. cotton after ginning.

TABLE 4. GROSS VALUE OF CROPS AND PASTURES, YEARS ENDED 30 JUNE 1986 AND 1987
(\$ MILLION)

	Australia		1987					
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.
Cereals for grain—								
Barley	586.8	432.6	73.5	63.8	36.9	183.8	71.3	3.3
Grain sorghum	180.8	161.5	48.8	—	111.3	—	0.2	—
Oats	138.3	164.8	58.1	43.8	2.5	15.6	43.5	1.3
Rice	80.5	85.1	80.5	—	4.6	—	—	—
Wheat	2,719.4	2,530.0	723.8	428.2	128.4	390.0	858.9	0.7
Crops for hay	64.5	79.1	13.7	15.2	2.9	16.9	29.6	0.7
Legumes mainly for grain	163.2	294.1	24.3	81.9	23.7	45.1	118.4	0.8
Vegetables for human consumption	713.6	885.4	149.9	227.4	252.4	98.8	89.2	62.3
Sugar cane cut for crushing	494.2	586.4	27.4	—	558.9	—	—	—
Tobacco	55.8	65.1	3.1	21.0	40.9	—	—	—
Cotton	324.9	372.5	308.1	—	64.4	—	—	—
Fruit (including grapes)	948.6	1,109.4	288.0	321.4	195.4	202.2	70.8	30.2
All other crops	578.8	552.4	172.9	111.4	170.2	30.5	40.8	19.4
Pastures	328.3	419.3	93.2	178.3	33.9	47.9	39.2	26.3
Total crops and pastures	7,377.7	7,737.7	2,065.3	1,494.4	1,626.4	1,030.8	1,361.9	145.0
Total agriculture	15,398.0	17,272.5	4,780.7	4,017.3	3,479.1	1,853.9	2,576.0	436.9

TABLE 5. GROSS VALUE OF PRINCIPAL CROPS AND PASTURES AS A PERCENTAGE OF TOTAL CROPS AND PASTURES
YEAR ENDED 30 JUNE 1987

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Aust.
Cereals for grain—							
Barley	3.6	4.3	2.3	17.8	5.2	2.3	5.6
Grain sorghum	2.4	—	6.8	—	—	—	2.1
Oats	2.8	2.9	0.2	1.5	3.2	1.0	2.1
Rice	3.9	—	0.3	—	—	—	1.1
Wheat	35.0	28.7	7.9	37.8	63.1	—	32.7
Crops for hay	0.7	1.0	0.2	1.6	2.2	—	1.0
Legumes mainly for grain	1.2	5.5	1.5	4.4	8.7	1.0	3.8
Vegetables for human consumption	7.3	15.2	15.5	9.6	6.5	43.0	11.4
Sugar cane cut for crushing	1.3	—	34.4	—	—	—	7.6
Tobacco	0.2	1.4	2.5	—	—	—	0.8
Cotton	14.9	—	4.0	—	—	—	4.8
Fruit (including grapes)	13.9	21.5	12.0	19.6	5.2	20.8	14.3
All other crops	8.4	7.6	10.5	3.0	3.0	13.4	7.1
Pastures	4.5	11.9	2.1	4.6	2.9	18.1	5.4
Total crops and pastures	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GROSS VALUE OF PRINCIPAL CROPS, 1986-87
\$ million

II. COMMODITIES

A. CEREALS

TABLE 6. AREA, PRODUCTION, YIELD AND GROSS RECEIPTS OF WHEAT, 1985-86 AND 1986-87

	Australia		1987					
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.
Year ended 31 March—								
Area ('000 hectares)—								
Grain	11,683	11,135	3,099	1,364	795	1,616	4,260	2
Hay	57	67	19	4	4	10	30	—
Green feed or silage	27	71	21	2	44	2	2	—
Total	11,767	11,274	3,139	1,370	842	1,628	4,293	2
Production ('000 tonnes)—								
Grain	15,999	16,119	4,855	2,795	833	2,255	5,377	5
Hay	157	186	55	12	6	30	82	1
Yield (tonnes/hectare)—								
Grain	1.37	1.45	1.57	2.05	1.05	1.40	1.26	2.50
Hay	2.75	2.78	2.89	3.00	1.50	3.00	2.73	—
Year ended 30 September—								
Gross Receipts(a) ('000 tonnes)	15,099	15,310	3,770	3,009	861	2,377	5,293	—

(a) Source: Australian Wheat Board (AWB).

TABLE 7. PRODUCTION AND DISPOSAL OF WHEAT, AUSTRALIA, 1982-83 TO 1986-87
(^{'000 tonnes})

	1983	1984	1985	1986	1987
Year ended 31 March—					
Production	8,876	22,016	18,666	15,999	16,119
Balance held on farm for seed, feed and other uses	949	957	1,122	1,082	1,116
Year ended 30 September(a)—					
Wheat received	7,927	21,059	17,544	15,085	15,288
Carryin	4,879	2,285	7,518	8,449	5,838
Total availability for export, domestic disposal and carryover	12,806	23,344	25,062	23,534	21,126
Exports	7,157	14,069	14,570	15,962	15,582
Domestic sales(b)	3,364	1,757	2,043	1,734	1,772
Total disposals	10,521	15,826	16,613	17,696	17,354

(a) Source: Australian Wheat Board (AWB). (b) Includes export flour and wheat products.

TABLE 8. WHEAT : POOL PAYMENTS AND PRICES, AUSTRALIA, 1984-85 TO 1987-88
(Source: Australian Wheat Board)

		Year ended 30 September—			
		1984-85	1985-86	1986-87	1987-88
Pool payments—					
Guaranteed Minimum Price(a) (GMP)	\$/tonne	145.35	149.87	139.83	144.29(b)
Additional major payments to 30.9.87	\$/tonne	10.00	3.00	—	—
Wheat prices—					
Human consumption(c) f.o.r					
December Quarter	\$/tonne	195.25	220.27	188.15	181.18
March Quarter	\$/tonne	202.34	222.02	192.79	189.50
June Quarter	\$/tonne	215.58	219.39	190.18	201.13
September Quarter	\$/tonne	229.76	193.88	184.56	202.02
Annual	\$/tonne	210.73	213.89	188.92	193.46
Exports(d) f.o.b.	US\$/tonne	145.32	127.29	111.62	n.y.a
Stockfeed(e) f.o.r.	\$/tonne	204.36	193.82	170.12	n.y.a
Industrial(f) f.o.r.	\$/tonne	199.09	188.39	164.96	n.y.a

(a) GMP is for Australian Standard White and excludes all charges. The date of payment is variable. (b) The GMP by Class of wheat is as follows:

Australian Prime Hard	\$164.40	Australian Standard White	\$144.29	General Purpose 2	\$130.15
Australian Hard	\$164.35	General Purpose 1	\$137.49	Australian Feed	\$121.85

(c) Includes a loading per tonne to meet freight charges on wheat shipped to Tasmania. (d) This is the average basis f.o.b. price quoted for Australian Standard White bulk wheat. (e) These prices vary according to commercial consideration. (f) Priced daily, independently of human consumption or stockfeed wheat.

TABLE 9. QUALITY OF THE 1986-87 AUSTRALIAN WHEAT CROP
(Provided by the Australian Wheat Board from information supplied by the Central Grain Research Laboratory of the Bread Research Institute of Australia, Sydney.)

Class	Grade	Test weight (kg/hl)(a)	Protein, % (11% moisture basis)(b)
Australian Prime Hard	Queensland	81.1	14.8
	New South Wales PH 14%	79.0	14.9
	New South Wales PH 13%	80.5	13.8
Australian Hard No. 1	Queensland	81.8	12.7
	New South Wales (Newcastle)	81.3	12.3
	New South Wales (Sydney)	80.4	12.8
	South Australia	80.5	12.6
	Western Australia	81.2	12.2
Australian Standard White	Queensland	82.7	10.6
	New South Wales	80.9	10.1
	Victoria	80.2	9.7
	South Australia	81.5	10.4
	Western Australia	82.5	9.5
Australian Soft	Western Australia	81.5	8.0

(a) Determined by means of a one litre Schopper Chondrometer, and is expressed in kilograms per hectolitre. (b) Protein is determined by a standard kjeldahl procedure. It is expressed on an 11 per cent moisture basis for the flour.

TABLE 10. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY CLASSIFIED ACCORDING TO AREA OF ESTABLISHMENT AND AREA OF WHEAT FOR GRAIN AUSTRALIA(a) AT 31 MARCH 1986 AND 1987

	Area of wheat for grain (hectares)															Establi- shments with no wheat for grain	Establi- shments with wheat for grain	Total number of establi- shments
	1-9	10-19	20-29	30-39	40-49	50-74	75-99	100- 149	150- 199	200- 249	250- 299	300- 399	400- 499	500- 999	1,000- 1,499	1,500- and over		
1986	909	1,374	1,684	1,451	2,103	3,547	3,029	5,655	3,708	3,550	1,981	3,004	2,343	4,102	1,258	932	40,630	86,251 126,881
1987—																		
New South Wales	189	371	610	493	665	1,290	1,044	2,051	1,313	1,224	654	880	724	1,027	250	166	12,951	24,404 37,355
Victoria	192	371	466	384	472	935	736	1,164	770	665	396	487	327	420	57	18	7,860	26,523 34,383
Queensland	163	240	251	185	265	339	243	408	238	190	125	160	160	256	88	73	3,384	22,476 25,860
South Australia	125	209	301	278	327	672	546	952	612	600	307	468	356	635	137	78	6,603	8,766 15,369
Western Australia	82	92	93	72	113	215	203	469	368	477	301	635	623	1,637	733	610	6,723	7,129 13,852
Tasmania	62	26	11	6	6	2	2	1	—	—	—	—	—	—	—	—	116	3,521 3,637
Area of establishment (hectares)																		
0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	508 508
> 0-	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4 2,893 2,897
5-	9	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6 3,249 3,255
10-	19	5	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20 5,015 5,035
20-	29	11	5	8	—	—	—	—	—	—	—	—	—	—	—	—	—	24 3,210 3,234
30-	49	33	20	21	17	11	—	—	—	—	—	—	—	—	—	—	—	102 6,246 6,348
50-	74	31	33	22	9	10	20	—	2	—	—	—	—	1	—	—	—	128 6,754 6,882
75-	99	45	50	43	19	28	23	18	—	—	—	—	—	—	—	—	—	226 5,569 5,795
100-	124	60	57	51	35	28	48	16	15	—	—	—	—	—	—	—	—	310 4,916 5,226
125-	149	58	77	85	57	53	69	17	22	—	—	—	1	—	—	—	—	439 4,220 4,659
150-	199	55	122	168	128	144	166	76	52	22	—	—	—	—	—	—	—	933 6,141 7,074
200-	249	79	144	193	153	218	308	144	114	23	17	1	—	—	—	—	—	1,394 5,123 6,517
250-	299	62	113	162	142	195	353	219	220	37	20	10	—	—	—	—	—	1,533 3,044 5,377
300-	399	63	165	247	223	285	588	444	596	198	75	18	16	—	—	—	—	2,918 5,509 8,427
400-	499	64	124	166	150	214	481	472	826	413	190	48	49	12	—	1	—	3,210 4,267 7,477
500-	749	89	162	272	200	307	590	604	1,361	1,003	788	327	254	86	35	—	—	6,078 6,435 12,513
750-	999	54	85	112	114	130	289	264	639	618	706	445	497	248	128	—	—	4,329 3,630 7,959
1,000-	1,999	72	101	132	178	164	356	372	854	719	982	697	1,314	1,155	1,593	157	18	8,814 6,010 14,824
2,000-	2,999	15	22	25	26	37	92	63	184	146	200	130	288	378	1,281	425	95	3,407 1,985 5,392
3,000-	4,999	4	8	18	13	11	50	36	97	64	110	63	126	213	644	490	384	2,331 1,602 3,933
5,000-	9,999	2	3	5	3	7	18	20	32	37	51	37	60	77	217	146	332	1,047 1,677 2,724
10,000-	19,999	—	2	—	—	3	1	6	23	13	10	4	20	18	53	36	87	276 1,594 1,870
20,000-	49,999	1	1	1	1	3	1	3	9	5	5	2	4	1	21	7	21	86 1,493 1,579
50,000 and over	—	—	1	—	—	—	—	—	1	1	2	1	1	2	3	8	22	1,287 1,309
Total number of establishments	813	1,309	1,732	1,418	1,848	3,453	2,774	5,045	3,301	3,156	1,783	2,630	2,190	3,975	1,265	945	37,637	93,177 130,814

(a) Establishments engaged in beekeeping and possessing no land.

NOTE: In addition to the above statistics, the Australian Bureau of Statistics can provide similar statistics for other major commodities aggregated to small areas. These additional services are subject to a charge.

TABLE 11. AREA, PRODUCTION AND YIELD OF BARLEY, YEARS ENDED 31 MARCH 1986 AND 1987

	Australia		1987					
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.
Area ('000 hectares)—								
Grain—								
2-row	3,059	2,167	370	259	156	938	436	8
6-row	179	107	38	6	11	17	33	—
Total	3,238	2,274	408	265	168	955	468	8
Hay	18	23	2	1	2	11	7	—
Green feed or silage	71	85	33	2	32	9	8	—
Total	3,327	2,382	443	268	202	975	483	8
Production ('000 tonnes)—								
Grain—								
2-row	4,575	3,397	559	433	257	1,568	560	20
6-row	227	151	54	11	19	25	41	1
Total	4,801	3,548	614	444	276	1,592	601	21
Hay	42	57	5	4	4	28	17	—
Yield (tonnes/hectare)—								
Grain—								
2-row	1.49	1.56	1.51	1.67	1.65	1.67	1.28	2.50
6-row	1.27	1.41	1.42	1.83	1.73	1.47	1.24	—
Total	1.48	1.56	1.50	1.67	1.64	1.63	1.28	2.62
Hay	2.33	2.48	2.50	4.00	2.00	2.54	2.43	—

TABLE 12. AREA, PRODUCTION AND YIELD OF OATS, YEARS ENDED 31 MARCH 1986 AND 1987

	Australia		1987					
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.
Area ('000 hectares)—								
Grain	1,049	1,140	482	215	20	113	302	8
Hay	171	205	39	34	4	46	80	1
Green feed or silage	626	645	283	21	261	32	36	12
Total	1,846	1,990	804	270	286	191	418	21
Production ('000 tonnes)—								
Grain	1,306	1,584	636	356	19	149	414	11
Hay	558	676	111	146	12	147	255	4
Yield (tonnes/hectare)—								
Grain	1.24	1.39	1.32	1.65	0.95	1.32	1.37	1.37
Hay	3.26	3.29	2.85	4.29	3.00	3.19	3.19	4.00

TABLE 13. AREA, PRODUCTION AND YIELD OF RYE, YEARS ENDED 31 MARCH 1986 AND 1987

	Australia		1987					
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.
Area ('000 hectares)—								
Grain	48	75	8	23	—	41	2	—
Hay	2	1	—	1	—	—	—	—
Green feed or silage	9	9	5	1	—	3	—	—
Total	58	85	13	24	1	45	3	—
Production ('000 tonnes)—								
Grain	24	55	7	19	—	22	1	5
Hay	3	3	1	1	—	1	—	—
Yield (tonnes/hectare)—								
Grain	0.50	0.73	0.87	0.83	—	0.54	0.50	—
Hay	1.50	3.00	2.44	1.00	—	1.51	—	—

TABLE 14. AREA, PRODUCTION AND YIELD OF OTHER CEREALS FOR GRAIN, YEARS ENDED 31 MARCH 1986 AND 1987

	Australia		1987							N.T.
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.		
Area ('000 hectares)—										
Grain sorghum	729	818	188	—	625	—	—	—	5	
Maize	82	58	16	1	38	—	1	n.c.	1	
Panicum and millet	30	42	3	3	36	—	—	n.c.	—	
Rice	106	96	92	n.c.	4	—	—	n.c.	—	
Triticale	135	145	74	18	12	8	33	1	n.c.	
Other cereals(a)	14	15	3	—	12	—	—	—	—	
Production ('000 tonnes)—										
Grain sorghum	1,405	1,419	392	1	1,019	—	1	—	7	
Maize	272	206	77	3	118	1	6	—	2	
Panicum and millet	30	39	3	5	32	—	—	—	—	
Rice	715	608	589	—	19	—	—	—	—	
Triticale	219	233	143	28	23	7	28	3	—	
Yield (tonnes/hectare)—										
Grain sorghum	1.92	1.73	2.08	3.12	1.63	—	3.75	—	1.43	
Maize	3.32	3.55	4.81	3.00	3.10	4.76	6.00	—	2.00	
Panicum and millet	1.00	0.93	1.00	1.67	0.89	2.00	—	—	—	
Rice	6.74	6.33	6.40	—	4.75	—	—	—	—	
Triticale	1.62	1.60	1.93	1.55	1.92	0.87	0.85	3.00	—	

(a) includes canary seed and buckwheat.

B. VEGETABLES FOR HUMAN CONSUMPTION

TABLE 15. AREA OF VEGETABLES, YEARS ENDED 31 MARCH 1986 AND 1987
(Hectares)

	Australia		1987						
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.
Asparagus	1,470	1,650	871	695	52	2	24	5	—
Beans, french and runner	5,624	5,991	674	649	3,139	42	124	1,346	15
Beetroot	810	773	61	22	686	1	2	—	—
Broccoli	2,706	3,447	363	1,337	1,341	143	105	156	—
Cabbages and brussels sprouts	2,720	2,890	540	978	632	303	224	197	4
Capsicum, chillies and peppers	936	1,078	73	100	752	28	119	—	6
Carrots	4,246	4,646	1,051	1,141	980	374	769	328	—
Cauliflower	3,588	3,674	784	1,095	403	251	774	364	—
Celery	808	933	13	393	268	129	113	17	—
Cucumbers	1,164	1,272	138	60	870	55	138	—	11
Green peas—									
Processing	10,121	10,401	557	1,131	1,500	—	506	6,708	—
Sold in pod	745	762	452	178	75	41	10	6	—
Lettuce	3,578	3,751	789	1,226	996	289	373	43	11
Marrows, squashes and zucchinis	1,191	1,342	229	65	946	39	46	1	15
Melons—									
Water	2,779	3,082	258	147	2,303	66	230	—	79
Rock and cantaloupe	2,592	2,805	940	241	903	213	298	—	210
Mushrooms	69	76	39	22	5	3	4	1	—
Onions, white and brown	4,408	4,340	833	467	858	1,082	367	732	2
Parsnips	319	333	87	176	9	20	15	25	—
Potatoes	35,795	36,685	6,225	13,195	6,335	3,402	1,778	5,744	6
Pumpkins	5,826	6,276	1,194	484	3,602	436	439	53	62
Sweet corn	4,293	3,740	2,145	399	715	92	86	303	—
Tomatoes	7,508	8,547	1,531	2,935	3,570	202	275	15	17
Turnips, swede and white	435	435	108	30	11	51	25	209	—
Other vegetables	4,756	2,428	423	594	662	138	174	427	15
Total area	108,467	111,359	20,378	27,760	31,613	7,402	7,018	16,680	453

TABLE 16. PRODUCTION OF VEGETABLES, YEARS ENDED 31 MARCH 1986 AND 1987
(Tonnes)

	Australia		1987						
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.
Asparagus	4,658	4,370	2,071	2,090	152	—	44	13	—
Beans, french and runner	30,540	29,386	2,834	3,201	16,034	148	751	6,368	50
Beetroot	27,931	25,275	2,343	405	22,468	9	45	—	—
Broccoli	16,302	19,933	1,861	6,104	8,621	958	1,217	1,165	—
Cabbages and brussels sprouts	77,816	82,923	12,547	31,132	15,911	10,455	8,565	3,890	76
Capsicum, chillies and peppers	10,402	13,178	965	1,304	8,882	437	1,546	—	36
Carrots	126,388	146,034	29,573	36,233	23,216	12,121	29,715	15,123	—
Cauliflower	103,118	91,571	21,007	30,198	7,484	13,013	15,673	4,158	—
Celery	43,231	47,465	487	12,530	18,469	6,748	8,659	571	—
Cucumbers	14,036	15,550	1,310	1,048	8,835	2,343	1,914	6	85
Green Peas—									
Processing	38,818	33,419	1,157	3,758	4,686	—	1,142	22,676	—
Sold in pod	1,395	1,195	648	245	178	92	25	7	—
Lettuce	75,937	84,041	10,555	30,305	22,983	6,372	12,788	405	90
Marrows, squashes and zucchinis	6,607	7,744	1,432	520	4,824	417	425	10	109
Melons—									
Water	43,912	48,431	3,296	2,810	35,553	1,708	4,261	—	803
Rock and cantaloupe	33,848	41,626	12,497	3,165	13,424	5,838	3,735	—	2,966
Mushrooms	13,026	15,203	6,674	5,310	1,167	1,189	555	308	—
Onions, white and brown	158,818	164,740	25,782	12,006	26,586	48,377	18,674	33,315	—
Parsnips	7,893	7,036	1,869	4,082	87	295	303	392	—
Potatoes	961,057	1,015,200	121,573	364,319	132,729	105,438	67,618	223,425	98
Pumpkins	65,245	70,046	13,028	7,602	33,122	8,085	6,684	692	731
Sweet com	49,237	48,720	30,756	5,187	6,339	815	868	4,754	—
Tomatoes	200,509	266,019	56,720	115,007	78,778	6,795	7,896	559	237
Turnips, swede and white	5,971	6,645	1,610	469	99	952	367	3,115	—

TABLE 17. YIELD PER HECTARE OF VEGETABLES, YEARS ENDED 31 MARCH 1986 AND 1987
(Tonnes/hectare)

	Australia		1987						
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.
Asparagus	3.17	2.65	2.38	3.00	2.92	—	1.83	2.60	—
Beans, french and runner	5.43	4.91	4.20	4.93	5.11	3.52	6.06	4.73	3.33
Beetroot	34.48	32.70	38.41	18.41	32.75	9.00	22.50	—	—
Broccoli	6.02	5.78	5.13	4.57	6.43	6.70	11.59	7.47	—
Cabbages and brussels sprouts	28.60	28.69	23.24	31.83	25.18	34.50	38.24	19.75	19.00
Capsicum, chillies and peppers	11.11	12.21	13.22	13.04	11.81	15.61	12.99	—	6.00
Carrots	29.76	31.43	28.14	31.76	23.69	32.41	38.64	46.11	—
Cauliflower	28.74	24.92	26.79	27.58	18.57	51.84	20.25	11.42	—
Celery	53.50	50.87	37.46	31.88	68.91	52.31	76.63	33.59	—
Cucumbers	12.06	12.22	9.49	17.47	10.16	42.60	13.87	—	7.73
Green peas—									
Processing	3.84	3.21	2.08	3.32	3.12	—	2.26	3.38	—
Sold in pod	1.87	1.57	1.43	1.38	2.37	2.24	2.50	1.17	—
Lettuce	21.22	22.40	13.38	24.72	23.08	22.05	34.28	9.42	8.18
Marrows, squashes and zucchinis	5.55	5.77	6.25	8.00	5.10	10.69	9.24	10.00	7.26
Melons—									
Water	15.80	15.71	12.78	19.12	15.44	25.88	18.53	—	10.16
Rock and cantaloupe	13.06	14.84	13.29	13.13	14.86	27.41	12.53	—	14.12
Mushrooms	188.78	200.03	171.13	241.36	233.40	396.33	138.75	308.00	—
Onions, white and brown	36.03	37.96	30.95	25.71	30.99	44.71	50.88	45.51	—
Parsnips	24.74	21.13	21.48	23.19	9.66	14.75	20.20	15.68	—
Potatoes	26.85	27.67	19.53	27.61	20.95	30.99	38.03	38.90	16.33
Pumpkins	11.20	11.16	10.91	15.71	9.20	18.54	15.23	13.06	11.79
Sweet com	11.47	13.03	14.34	13.00	8.37	8.86	10.09	15.70	—
Tomatoes	26.71	31.12	37.05	39.18	22.07	33.64	28.71	37.27	13.94
Turnips, swede and white	14.38	15.28	14.91	15.63	9.00	18.66	15.48	14.90	—

C. OTHER CROPS

TABLE 18. AREA, PRODUCTION AND YIELD OF LEGUMES MAINLY FOR GRAIN, YEARS ENDED 31 MARCH 1986 AND 1987

	Australia							
			1987					
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.
Area ('000 hectares)—								
Chick peas	26	68	11	4	51	1	—	—
Cow peas	8	15	10	—	4	—	—	—
Faba beans	19	37	2	2	—	34	—	—
Field peas	207	314	17	198	—	87	11	2
Navy beans	7	11	—	—	11	—	—	—
Lupins(a)	586	747	37	28	—	29	653	—
Mung and dried beans	35	47	13	1	33	—	—	—
Production ('000 tonnes)—								
Chick peas	36	63	12	8	42	1	—	—
Cow peas	3	9	8	—	1	—	—	—
Faba beans	29	69	3	4	—	62	—	—
Field peas	239	513	24	335	—	143	7	2
Navy beans	5	8	—	—	8	—	—	—
Lupins(a)	523	802	41	37	—	40	683	1
Mung and dried beans	15	16	5	1	10	—	—	—
Yield (tonnes/hectare)—								
Chick peas	1.38	0.93	1.09	2.00	0.82	1.00	—	—
Cow peas	0.38	0.60	0.80	—	0.25	—	—	—
Faba beans	1.52	1.86	1.50	2.00	—	1.82	—	—
Field peas	1.15	1.63	1.41	1.69	—	1.64	0.64	1.00
Navy beans	0.71	0.73	—	—	0.73	—	—	—
Lupins(a)	0.89	1.07	1.11	1.32	—	1.38	1.05	1.29
Mung and dried beans	0.43	0.34	0.38	1.00	0.30	—	—	—

(a) Mainly lupins for processing or feed. Excludes lupins for pasture seed.

TABLE 19. AREA, PRODUCTION AND YIELD OF OIL SEEDS, YEARS ENDED 31 MARCH 1986 AND 1987

	Australia			1987				
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.
Area ('000 hectares)—								
Linseed	10.1	7.3	2.5	2.6	0.5	1.2	0.6	—
Rapeseed	73.9	65.0	37.7	18.1	0.3	5.1	4.8	—
Safflower	46.7	29.7	10.6	10.4	7.0	1.7	—	—
Soybeans	68.5	54.4	24.6	0.1	29.2	—	0.1	—
Sunflower	274.4	192.8	75.5	7.4	108.2	1.5	0.3	—
Production ('000 tonnes)—								
Linseed	12.0	7.1	2.1	2.9	0.4	1.4	0.3	—
Rapeseed	86.8	76.5	43.1	21.7	—	8.3	3.2	—
Safflower	27.3	19.4	6.8	7.4	3.8	1.4	—	—
Soybeans	102.9	89.8	44.9	0.3	44.2	—	0.2	—
Sunflower	212.6	137.5	59.5	8.0	67.7	1.7	0.5	—
Yield (tonnes/hectare)—								
Linseed	1.18	0.97	0.84	1.11	0.80	1.16	0.50	—
Rapeseed	1.17	1.18	1.14	1.19	0.35	1.62	0.66	—
Safflower	0.58	0.65	0.64	0.71	0.54	0.82	—	—
Soybeans	1.50	1.65	1.82	3.00	1.51	—	2.00	—
Sunflower	0.77	0.71	0.78	1.08	0.62	1.13	1.66	—

TABLE 20. AREA, PRODUCTION AND YIELD OF MISCELLANEOUS CROPS, YEARS ENDED 31 MARCH 1986 AND 1987

	Australia		1987						
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.
Area ('000 hectares)—									
Crops for hay, other(a)	6.0	11.3	2.0	2.0	3.0	2.0	2.0	—	—
Crops for green feed or silage, other(a)—									
Grain sorghum	47.1	89.5	19.8	0.2	67.9	—	—	—	1.6
Forage sorghum	110.5	177.3	29.9	0.7	144.6	—	1.3	—	0.8
Maize	7.1	7.1	3.0	0.5	3.3	—	0.1	—	—
Vegetables for animal feed	24.1	24.1	3.7	7.2	1.9	0.7	0.3	10.2	—
Other	84.0	83.0	25.0	10.0	25.0	4.0	10.0	8.0	—
Sugar cane cut for crushing	299.6	300.7	13.7	—	287.0	—	—	—	—
Tobacco	4.6	5.1	0.3	1.8	2.9	—	—	—	—
Cotton	177.0	156.0	125.0	—	31.0	—	—	—	—
Peanuts	28.9	34.3	0.8	—	32.8	—	0.3	—	—
Hops	1.3	1.2	—	0.3	—	—	—	0.9	0.4
Broom millet	0.2	0.7	0.7	—	—	—	—	—	—
Production ('000 tonnes)—									
Crops for hay, other(a)	16.0	22.3	4.0	2.0	5.0	4.0	5.0	—	1.0
Sugar cane cut for crushing	23,920.1	24,742.1	1,276.1	—	23,466.0	—	—	—	—
Tobacco	10.7	12.2	0.6	4.0	7.6	—	—	—	—
Cotton—									
Seed cotton	684.6	612.1	499.4	—	40.2	—	—	—	—
Raw cotton(b)	248.1	217.3	177.1	—	112.7	—	—	—	—
Peanuts	43.2	48.0	2.4	—	44.5	—	0.7	—	—
Hops	1.8	1.7	—	0.6	—	—	—	1.2	0.4
Broom millet	0.2	0.8	0.8	—	—	—	—	—	—
Yield (tonnes/hectare)—									
Crops for hay, other(a)	2.67	1.97	2.00	1.00	1.67	2.00	2.50	—	—
Sugar cane cut for crushing	79.84	82.28	93.15	—	81.76	—	—	—	—
Tobacco	2.33	2.39	2.00	2.22	2.62	—	—	—	—
Cotton—									
Seed cotton	3.87	3.92	4.00	—	1.30	—	—	—	—
Raw cotton (b)	1.40	1.39	1.42	—	3.64	—	—	—	—
Peanuts	1.49	1.37	3.00	—	1.36	—	2.33	—	—
Hops (dried weight)	1.38	1.42	—	2.00	—	—	—	1.33	1.00
Broom millet	1.00	1.14	1.14	—	—	—	—	—	—

(a) Details of wheat, barley, oats and rye for hay, green feed or silage are shown in Tables 2, 8, 13, 14 and 15 respectively. (b) This data represents seed cotton production expressed in terms of "raw" cotton, i.e. cotton after ginning.

D. PASTURES AND GRASSES

TABLE 21. AREA OF PASTURES AND GRASSES, YEARS ENDED 31 MARCH 1986 AND 1987
(*000 hectares)

	Australia		1987							
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.
Cut for hay—										
Lucerne	126.5	141.0	71.7	26.7	19.5	19.1	2.3	1.4	—	0.2
Other	646.9	831.2	141.0	416.0	18.4	110.3	96.7	43.7	4.7	0.4
Total	773.4	972.2	212.7	442.7	37.9	129.4	99.0	45.1	4.8	0.6
Harvested for seed—										
Lucerne	15.1	15.5	3.0	0.2	—	12.2	—	—	—	—
Clovers—										
Subterranean	15.9	21.4	2.1	2.4	—	3.1	13.7	—	—	—
Other	4.6	8.7	1.8	1.9	—	4.4	0.4	0.2	—	—
Lupins	3.3	3.3	—	—	—	—	3.2	—	—	—
Barrel medic	7.4	10.4	—	0.3	—	4.7	5.4	—	—	—
Phalaris tuberosa	3.5	3.3	1.5	0.8	—	0.9	—	—	—	—
Rhodes grass	2.4	3.1	0.4	—	2.7	—	—	—	—	—
Ryegrass (wimmers, perennial, etc.)	9.4	12.1	1.6	9.2	—	—	0.2	1.0	—	—
Other	15.8	17.8	2.7	5.8	6.6	1.5	1.4	0.2	—	—
Total	77.4	95.6	13.1	20.6	9.3	26.8	24.3	1.4	—	—
Cut for green feed or silage—										
Lucerne	9.5	10.0	4.5	2.4	1.3	1.2	0.4	—	—	—
Other	59.2	61.5	8.3	30.0	2.2	3.7	8.7	8.6	—	—
Total	68.7	71.5	12.8	32.4	3.5	4.9	9.1	8.7	—	—
Total area of pastures	919.5	1,139.2	238.6	495.7	50.6	161.2	132.4	55.2	4.8	0.6

TABLE 22. PRODUCTION OF PASTURES AND GRASSES, YEARS ENDED 31 MARCH 1986 AND 1987
(*000 tonnes)

	Australia		1987							
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.
Cut for hay—										
Lucerne	698.3	757.1	341.9	144.7	160.9	89.1	12.9	6.7	0.2	0.7
Other	2,291.0	2,961.9	461.2	1,623.6	40.8	336.7	308.5	188.4	2.1	0.7
Harvested for seed—										
Lucerne	3.1	3.2	0.4	—	—	2.8	—	—	—	—
Clovers—										
Subterranean	4.7	6.2	0.5	1.0	—	1.8	2.9	—	—	—
Other	1.2	2.5	0.3	0.7	—	1.5	—	—	—	—
Lupins	0.8	0.7	—	—	—	—	0.6	—	—	—
Barrel medic	2.1	3.0	—	0.1	—	2.0	0.9	—	—	—
Phalaris tuberosa	0.4	0.4	0.1	—	—	0.2	—	—	—	—
Rhodes grass	0.2	0.2	—	—	0.2	—	—	—	—	—
Ryegrass (wimmers, perennial, etc.)	4.1	4.1	0.5	3.2	—	—	—	0.3	—	—
Other	2.8	3.0	0.3	1.8	0.3	0.3	0.4	0.1	—	—
Total	19.4	23.3	2.1	6.8	0.5	8.6	4.8	0.4	—	—
Silage made (a)	602.9	678.5	143.2	259.9	51.8	49.9	88.5	84.2	0.8	0.2

(a) Includes silage made from crops and from pastures.

TABLE 23. YIELD PER HECTARE OF PASTURES AND GRASSES, YEARS ENDED 31 MARCH 1986 AND 1987

	Australia		1987							
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.
Cut for hay (tonnes/hectare)—										
Lucerne	5.52	5.37	4.77	5.42	8.25	4.66	5.61	4.79	2.48	0.26
Other	3.54	3.56	3.27	3.90	2.22	3.05	3.19	4.31	0.45	1.75
Harvested for seed—										
Lucerne	0.20	0.20	0.13	0.13	0.09	0.23	—	—	—	—
Clovers—										
Subterranean	0.29	0.28	0.23	0.39	—	0.59	0.21	—	—	—
Other	0.26	0.28	0.14	0.36	0.08	0.33	0.13	0.09	—	—
Lupins	0.24	0.21	1.20	—	—	—	—	0.18	—	—
Barrel medic	0.28	0.28	—	0.39	—	0.42	0.17	—	—	—
Phalaris tuberosa	0.11	0.12	0.07	1.00	—	0.27	—	0.31	—	—
Rhodes grass	0.08	0.06	0.04	—	0.07	—	—	—	—	—
Ryegrass (wimmera, perennial, etc.)	0.46	0.33	0.31	0.34	0.17	0.27	0.16	0.33	—	—

E. STOCKS OF MAJOR GRAINS AND FODDER

TABLE 24. STOCKS OF MAJOR GRAINS AND FODDER AT 31 MARCH 1986 AND 1987
(*000 tonnes)

	Australia		1987					
	1986	1987	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.
Grain stocks—								
Wheat	1,175.5	1,044.5	354.5	224.2	41.7	148.8	270.8	4.5
Barley	862.8	729.0	206.1	103.2	50.5	179.1	182.6	7.5
Oats	1,381.2	1,405.8	697.3	282.0	17.1	119.0	277.4	12.9
Sorghum	130.4	199.5	—	—	198.9	—	—	—
Fodder stocks—								
Hay	5,178.8	5,783.1	1,367.0	2,779.2	214.6	679.1	470.8	267.4
Silage	835.4	816.9	365.7	211.3	83.6	31.6	45.3	78.6

F. NURSERY, CUT FLOWER AND CULTIVATED TURF STATISTICS

The following tables contain nursery statistics for the year ended 30 June 1987. The information is furnished triennially by establishments which undertake the propagation, cultivation or growing-on of nursery produce for sale, except those with less than \$20,000 value of sales. The previous collection in 1984 excluded establishments with less than \$2,500 value of sales. Also excluded were local authority and government agency nurseries producing plants for their own use. Shops and other establishments holding plants for retail purposes are also excluded.

To assist users in comparing data between the 1984 and 1987 collections, the 1984 data has been retabulated to a \$20,000 base.

In the 1987 collection, nursery activity was split into growing and growing-on. Definitions are, growing — comprising of seeding, cuttings, graftings, tissue culture, etc. growing-on — seedlings, rooted cuttings, tubestock, etc.

TABLE 25. SUMMARY STATISTICS : AUSTRALIA, 1983-84 AND 1986-87

	Unit of measure	1983-84	1986-87
Nursery establishments	No.	1,604	1,993
Area of nursery establishments	Hectares	78,259	96,777
Area used (incl. covered areas)			
— For cultivated turf growing	"	1,640	2,572
— for cut flowers	"	1,51	(a)3,424
— for nursery activity	"	2,161	(b)2,914
Covered areas—			
Hot houses(c)			
Used to grow cut flowers	'000 sqm	} 1,398 {	(a)1,038
Used to grow/grow-on	"		(d)1,080
Shade houses(e)			
Used to grow cut flowers	"	} 1,288 {	(a)204
Used to grow/grow-on	"		(b)1,677
Total purchases	\$'000	(d)37,171	(f)17,489
Total sales	"	(d)200,667	(d)287,243

(a) Excludes NT. (b) Excludes ACT. (c) Covered with plastic film, etc. (d) Excludes NT and ACT. (e) Covered with shade cloth, etc. (f) Growing-on purchases only.

TABLE 26. NURSERY, CUT FLOWERS AND CULTIVATED TURF STATISTICS, SUMMARY, 1986-87

	Unit of measure	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	Aust.
Establishments engaged in —									
Cultivated turf	No.	69	n.a.	38	n.a.	13	n.a.	n.a.	127
Cut flowers	No.	169	187	123	77	171	28	3	758
Nursery (growing and growing-on)	No.	392	264	323	82	163	58	27	1,311
Area used (incl. covered areas) to grow—									
Cultivated turf	Ha	1,091	n.a.	1,117	n.a.	221	n.a.	n.a.	2,572
Cut flowers	Ha	409	1,253	234	251	1,249	26	n.a.	(a)3,424
Nursery (growing and growing-on) material	Ha	744	1,050	479	170	361	75	34	(b)2,914
Covered areas used for—									
Cut flowers—									
hot houses	'000 sqm	179	478	108	144	103	23	n.a.	(a)1,036
shade houses	'000 sqm	67	46	25	24	38	5	n.a.	(a)204
Nursery material—									
hot houses	'000 sqm	384	214	189	104	146	43	n.a.	(c)1,080
shade houses	'000 sqm	506	155	604	96	219	34	60	(b)1,674
Value of sales—									
Cultivated turf	\$'000	7,042	n.a.	4,172	n.a.	1,754	n.a.	n.a.	14,309
Cut flowers	\$'000	9,951	20,312	8,861	3,726	6,813	1,007	n.a.	(a)50,670
Nursery—									
Growing	\$'000	60,804	44,972	34,004	11,920	22,043	5,894	2,573	(b)182,210
Growing-on	\$'000	9,996	9,021	12,389	4,364	5,663	1,294	n.a.	(c)42,727
Total purchases—									
Growing-on	\$'000	4,361	3,216	4,367	2,005	2,750	533	n.a.	(c)17,231

(a) Excludes the Northern Territory. (b) Excludes the Australian Capital Territory. (c) Excludes the two Territories.

TABLE 27. AREA AND VALUE OF SALES OF CUT FLOWERS (a) 1986-87

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Aust.
Area (hectares)—							
Camelions	42	73	16	13	34	n.a.	177
Chrysanthemums	18	54	30	6	12		119
Daffodils	n.a.	206	n.a.	—	6		213
Gladioli	13	40	63	10	12		138
Kangaroo Paw	n.a.	n.a.	3	—	17		21
Geraldton wax	—	—	46	3	35		84
Native - other	n.a.	113	n.a.	51	998		1,164
Proteas	21	63	n.a.	63	77		(b)223
Roses	66	26	28	16	8		145
Orchids	14	n.a.	3	3	80 {		(c)20
Other n.e.c.	217	n.a.	37	88			(d)422
Value of sales (\$'000)—							
Camelions	2,139	5,874	2,250	1,542	2,277	1,007	14,083
Chrysanthemums	375	1,212	1,900	236	634		4,356
Daffodils	n.a.	2,858	n.a.	—	26		2,903
Gladioli	217	639	1,679	190	257		2,982
Kangaroo paw	n.a.	n.a.	—	—	102		107
Geraldton wax	—	—	453	40	23		516
Native - other	n.a.	312	n.a.	69	330		718
Proteas	36	213	n.a.	214	29		(b)491
Roses	3,768	3,803	1,511	995	2,185		12,263
Orchids	1,044	n.a.	202	62	952 {		(c)1,308
Other n.e.c.	2,363	5,314	841	377			(e)9,847
Total	9,951	20,312	8,861	3,726	6,813	1,007	50,670

(a) Excludes NT, not available for publication. No cut flower activity was reported in ACT. (b) Excludes Qld. (c) Excludes Vic and WA. (d) Excludes Vic, includes WA orchids. (e) Includes WA orchids.

TABLE 28. QUANTITY SOLD AND VALUE OF SALES FROM GROWING, NURSERY MATERIAL(a), 1986-87

	Unit of measure	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	Aust.
Quantity sold—									
Bulbs	'000	106	9,697	25	972	197	184	—	11,181
Fruit trees and vines	'000	871	712	1,958	969	256	122	26	4,914
Orchid plants	'000	73	n.a.	300	111	12	n.a.	1	499
Rose bushes	'000	668	638	113	1,098	295	12	3	2,827
Seedlings (vegetables and bedding plants) punnets	'000	7,655	26,788	4,276	4,419	4,606	2,262	—	50,007
Seed—									
Flower	kg	n.a.	n.a.	n.a.	108,653	670	n.a.	n.a.	168,859
Vegetable	kg	n.a.	81,817	—					
Potted flowers	'000	1,612	1,406	820	146	410	130	n.a.	132,467
Other shrubs and trees—									
native Australian	'000	6,520	3,760	3,061	680	4,206	1,492	127	19,845
exotic	'000	5,666	6,466	3,035	360	1,371	1,051	103	18,052
Ferns and indoor plants	'000	7,241	1,063	6,764	115	2,401	220	88	17,892
Other live plant material	'000	1,795	9,147	n.a.	71	978	2,521	96	(c)14,608
Value of Sales—									
Bulbs	\$'000	64	2,597	49	105	40	44	—	2,899
Fruit trees and vines	"	3,774	4,059	2,682	1,845	870	378	187	13,795
Orchid plants	"	700	n.a.	967	573	148	n.a.	6	2,398
Rose bushes	"	2,528	2,035	537	2,288	1,197	32	18	8,635
Seedlings (vegetables and bedding plants)	"	7,532	6,844	2,374	4,323	3,814	1,575	—	26,462
Seed—									
flower	"	n.a.	n.a.	n.a.	11	227	n.a.	n.a.	554
vegetable	"	n.a.	182	—					
Potted flowers	"	3,896	2,812	1,477	338	628	224	n.a.	256
Other shrubs and trees—									
native Australian	"	10,944	8,240	5,540	955	4,942	1,265	560	32,448
exotic	"	15,184	10,810	7,042	857	4,023	1,546	714	40,178
Ferns and indoor plants	"	14,789	3,652	10,951	455	5,293	575	538	36,253
Other live plant material	"	1,244	3,606	n.a.	168	861	247	489	(c)6,616
Total		60,804	44,972	34,004	11,920	22,043	5,894	2,573	182,210

(a) Excludes Australian Capital Territory. (b) Excludes Northern Territory. (c) Excludes Queensland.

TABLE 29. VALUE OF PURCHASES AND SALES FROM GROWING-ON NURSERY MATERIAL(a), 1986-87

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	Aust.
Value of purchases (\$'000)—								
Fruit trees and vines	207	169	220	290	135	71	32	1,125
Rose bushes	112	82	79	304	29	26	16	648
Potted flowers	64	n.a.	133	26	32	33	n.a.	444
Other trees and shrubs—								
native Australian	700	802	1,114	51	532	91	32	3,322
exotic	891	999	940	131	788	111	71	3,930
Ferns and indoor plants	2,227	921	1,331	733	1,206	192	44	6,654
Orchid plants	106	n.a.	229	73	28	n.a.	7	(b)447
Other	54	90	322	397				
Total	4,361	3,216	4,367	2,005	2,750	533	n.a.	(d)17,231
Value of sales (\$'000)—								
Fruit trees and vines	386	242	445	450	263	119	69	1,973
Rose bushes	202	138	193	365	56	31	40	1,025
Potted flowers	162	n.a.	333	63	59	245	n.a.	1,188
Other trees and shrubs—								
native Australian	1,529	2,420	2,694	179	1,140	145	69	8,176
exotic	2,376	3,850	3,348	595	1,789	289	213	12,461
Ferns and indoor plants	4,943	1,696	4,491	1,255	2,296	454	107	15,242
Orchid plants	319	n.a.	482	5	59	n.a.	20	(b)889
Other	81	355	402	1,451				
Total	9,996	9,021	12,389	4,364	5,663	1,294	n.a.	(d)42,727

(a) Excludes Australian Capital Territory. (b) Includes Western Australia other. (c) Excludes Western Australia and Tasmania. (d) Excludes Northern Territory.

III. BRIDGING AND ESTIMATE TABLES

TABLE 30 — BRIDGING TABLE : COMPARISON OF EVAO CUT-OFFS (OF \$2,500 AND \$20,000) FOR SELECTED COMMODITIES(a) YEAR ENDED 31 MARCH 1986
A-Census with \$2,500 EVAO threshold, B-Census with the \$20,000 EVAO threshold.

	Australia		N.S.W.		Vic.		Qld		S.A.		W.A.		Tas.	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B
	AREA ('000 hectares)													
Cereal grain—														
Total barley	3,284	3,238	546	539	389	378	343	333	1,169	1,153	826	824	12	11
Grain sorghum	734	729	160	159	1	1	569	565	—	—	—	—	—	—
Maize	84	82	18	18	1	1	63	61	—	—	—	—	—	—
Oats	1,068	1,049	429	422	212	204	21	20	108	107	288	286	10	10
Rice	107	106	103	103	—	—	3	3	—	—	—	—	—	—
Rye	48	48	3	3	10	10	—	—	32	32	3	3	—	—
Triticale	137	135	78	77	12	12	9	9	8	8	28	28	1	1
Wheat	11,736	11,683	3,663	3,648	1,508	1,488	973	970	1,443	1,432	4,148	4,143	2	2
Legumes—														
Lupins(b)	588	586	47	46	24	23	—	—	24	23	493	492	—	—
Cow, field and poota peas	217	215	12	12	137	136	2	1	61	60	4	4	2	2
Other (incl. navy beans)	89	87	12	12	1	—	58	57	19	18	—	—	—	—
Crops for hay—														
Barley	19	18	1	1	2	2	1	1	8	7	6	6	—	—
Oats	182	171	27	25	44	41	4	4	35	33	69	66	2	2
Wheat	59	57	16	15	7	6	2	1	8	8	26	26	—	—
Crops for green feed or silage—														
Barley	75	71	31	30	3	3	27	25	7	7	7	7	—	—
Forage sorghum	117	110	19	18	1	1	95	90	—	—	1	1	—	—
Oats	662	626	316	300	26	24	241	226	33	32	32	31	13	13
Wheat	29	27	8	8	3	2	12	11	2	2	3	3	—	—
Other	89	84	27	26	15	14	26	24	3	3	10	10	9	8
Oilseeds—														
Rapeseed	74	74	40	40	22	22	—	—	9	9	4	4	—	—
Safflower	47	47	18	18	9	9	17	17	3	3	—	—	—	—
Soybeans	71	68	32	32	—	—	38	36	—	—	—	—	—	—
Sunflower	277	274	113	112	13	13	148	147	3	3	—	—	—	—
Vegetables for human consumption—														
Potatoes	36	36	6	6	14	14	6	5	4	4	2	2	5	5
Tomatoes	10	9	2	2	3	3	4	4	—	—	—	—	—	—
Other crops—														
Sugar cane cut for crushing	304	300	15	15	—	—	288	285	—	—	—	—	—	—
Cotton	177	177	136	136	—	—	41	41	—	—	—	—	—	—
Peanuts	29	29	1	1	—	—	28	28	—	—	—	—	—	—
Pastures and grasses—														
Cut for hay	843	773	180	169	371	341	33	29	100	93	97	88	57	48
Harvested for seed	78	77	13	12	17	17	7	7	24	24	17	16	1	1
Cut for green feed or silage	71	69	13	13	34	33	4	3	5	5	7	6	8	8

(a) See Explanatory Notes, paragraphs 2 and 3. (b) Mainly lupins for processing or feed. Excludes lupins for pasture seed.

TABLE 30 — BRIDGING TABLE : COMPARISON OF EVAO CUT-OFFS (OF \$2,500 AND \$20,000) FOR SELECTED COMMODITIES(a) YEAR ENDED 31 MARCH 1986 — *continued*
A-Census with \$2,500 EVAO threshold. B-Census with the \$20,000 EVAO threshold.

	Australia		N.S.W.		Vic.		Qld		S.A.		W.A.		Tas.	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B
PRODUCTION ('000 tonnes)														
Crops for grain—														
Total barley	4,868	4,801	821	812	476	464	810	790	1,709	1,687	1,024	1,022	28	26
Oats	1,330	1,306	538	531	300	290	26	25	110	108	338	336	17	16
Rice	716	715	702	701	—	—	14	13	—	—	—	—	—	—
Triticale	222	219	153	151	19	18	19	18	7	7	21	21	2	2
Wheat	16,259	15,999	5,916	5,898	2,342	2,316	1,691	1,686	1,944	1,781	4,362	4,313	4	4
Legumes—														
Lupins(b)	524	523	53	53	30	30	—	—	29	29	411	411	—	—
Cow, field and poona peas	244	242	9	9	137	137	—	—	92	91	3	3	3	3
Crops for hay—														
Barley	44	42	3	3	5	4	3	3	19	18	14	14	—	—
Oats	594	558	77	71	154	142	13	11	108	101	235	227	8	6
Wheat	165	157	49	47	19	18	4	4	25	23	67	65	1	—
Oilseeds—														
Rapeseed	87	87	46	46	25	24	—	—	13	13	3	3	—	—
Safflower	28	27	8	8	6	6	10	10	4	4	—	—	—	—
Soybeans	105	103	51	51	—	—	53	51	—	—	—	—	—	—
Sunflower	215	213	99	99	15	14	98	97	3	3	—	—	—	—
Vegetables for human consumption—														
Onions, brown and white	160	159	30	30	12	12	25	25	47	47	14	13	31	31
Potatoes	965	961	109	108	367	365	113	113	113	113	69	69	193	193
Tomatoes	252	249	50	49	100	99	85	85	8	7	9	8	1	1
Other crops—														
Sugar cane cut for crushing	24,402	23,920	1,398	1,342	—	—	23,003	22,578	—	—	—	—	—	—
Pastures and grasses—														
Cut for hay	3,249	2,989	658	614	1,468	1,359	218	195	333	310	313	286	253	221
							(tonnes)							
Harvested for seed	19,478	19,352	1,906	1,882	5,987	5,944	442	436	7,311	7,265	3,246	3,241	564	564

(a) See Explanatory Notes, paragraphs 2 and 3. (b) Mainly lupins for processing or feed. Excludes lupins for pasture seed.

TABLE 31. ESTIMATES OF SELECTED COMMODITIES - TOTALS FOR ALL ESTABLISHMENTS HAVING
EVAO GREATER THAN \$5,000 (a), YEAR ENDED 31 MARCH 1987

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Aust.
	— Area ('000 hectares) —						
Crops for grain—							
Barley	414	273	176	971	469	9	2,313
Grain sorghum	188	1	625	—	—	—	818
Maize	16	1	38	—	1	—	58
Oats	491	222	20	117	304	8	1,165
Rice	93	—	4	—	—	—	97
Triticale	75	18	13	8	33	1	148
Wheat	3,118	1,391	816	1,670	4,264	2	11,261
Oilseeds—							
Linseed	3	3	—	1	1	—	8
Rapeseed	37	18	—	5	5	—	66
Safflower	11	11	7	2	—	—	30
Soybeans	25	—	29	—	—	—	55
Sunflower	76	7	11	2	—	—	193
Other crops—							
Cotton	125	—	31	—	—	—	156
Field peas	17	199	—	89	11	—	317
Lupins	38	29	—	29	654	—	750
Peanuts	1	—	33	—	—	—	34
Potatoes	6	13	6	4	2	6	37
Sugar cane	26	—	355	—	—	—	381
Tobacco	—	2	3	—	—	—	5
	— Production ('000 tonnes) —						
Crops for grain—							
Barley	622	456	290	1,618	603	22	3,611
Grain sorghum	392	1	1,019	—	—	—	1,419
Maize	77	3	118	1	6	—	206
Oats	647	368	20	155	416	12	1,619
Rice	594	—	19	—	—	—	613
Triticale	143	292	242	8	28	4	238
Wheat	4,885	2,852	855	2,329	5,382	5	16,308
Oilseeds—							
Linseed	2	3	—	1	—	—	7
Rapeseed	44	22	—	8	3	—	77
Safflower	7	8	4	1	—	—	20
Soybeans	45	—	44	—	—	—	90
Sunflower	60	8	68	2	—	—	138
Other crops—							
Cotton	499	—	113	—	—	—	612
Field peas	24	337	—	145	10	2	518
Lupins	42	38	—	41	684	1	805
Peanuts	2	—	45	—	1	—	48
Potatoes	125	364	133	107	68	223	1,020
Sugar cane	1,276	—	23,466	—	—	—	24,819
Tobacco	1	4	8	—	—	—	12

(a) See Explanatory Notes, paragraph 4. Caution should be exercised when using these estimates because:

— data collected from establishments with EVAO between \$5,000 and \$19,999 are not as rigorously edited as Census data.

— production data are not collected from these establishments; it is estimated on the basis of area of numbers. Yields for Census establishments may differ from yields of establishments with EVAO less than \$20,000.

TABLE 32. PERCENTAGE COMPARISON OF EVAO CUT-OFFS FOR SELECTED COMMODITIES, AREA ON PRODUCTION
(a), YEAR ENDED 31 MARCH 1987

(Data over \$20,000 EVAO as a percentage of data over \$5,000 EVAO)

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
Crops for grain—									
Barley	98.6	97.3	95.3	98.4	99.8	92.3	—	—	98.3
Grain sorghum	100.0	100.0	100.0	—	100.0	—	100.0	—	100.0
Maize	100.0	100.0	100.0	100.0	100.0	—	100.0	—	100.0
Oats	98.2	96.7	92.2	96.0	99.4	95.6	—	100.0	97.9
Rice	99.2	—	100.0	—	100.0	—	100.0	—	99.2
Triticale	98.4	97.7	93.7	97.6	99.4	97.3	—	—	98.1
Wheat	99.4	98.0	97.4	96.8	99.9	94.6	—	—	98.9
Oilseeds—									
Linseed	97.2	93.7	100.0	100.0	100.0	—	—	—	96.7
Rapeseed	98.6	99.5	100.0	98.9	100.0	100.0	—	—	99.0
Safflower	99.4	96.9	99.4	100.0	—	—	—	—	98.5
Soybeans	100.0	100.0	100.0	—	100.0	—	100.0	—	100.0
Sunflower	100.0	100.0	100.0	91.9	100.0	—	—	—	99.9
Other crops—									
Cotton	100.0	—	100.0	—	—	—	—	—	100.0
Field peas	99.5	99.3	—	98.1	99.7	100.0	100.0	—	99.0
Lupins	98.3	96.9	100.0	99.1	99.9	100.0	—	—	99.7
Peanuts	100.0	—	100.0	—	100.0	—	100.0	—	100.0
Potatoes	97.5	100.0	100.0	98.4	99.5	100.0	100.0	—	99.4
Sugar cane	94.3	—	100.0	—	—	—	—	—	99.6
Tobacco	100.0	100.0	99.1	—	—	—	—	—	99.5

(a) See cautionary notes for table 31.