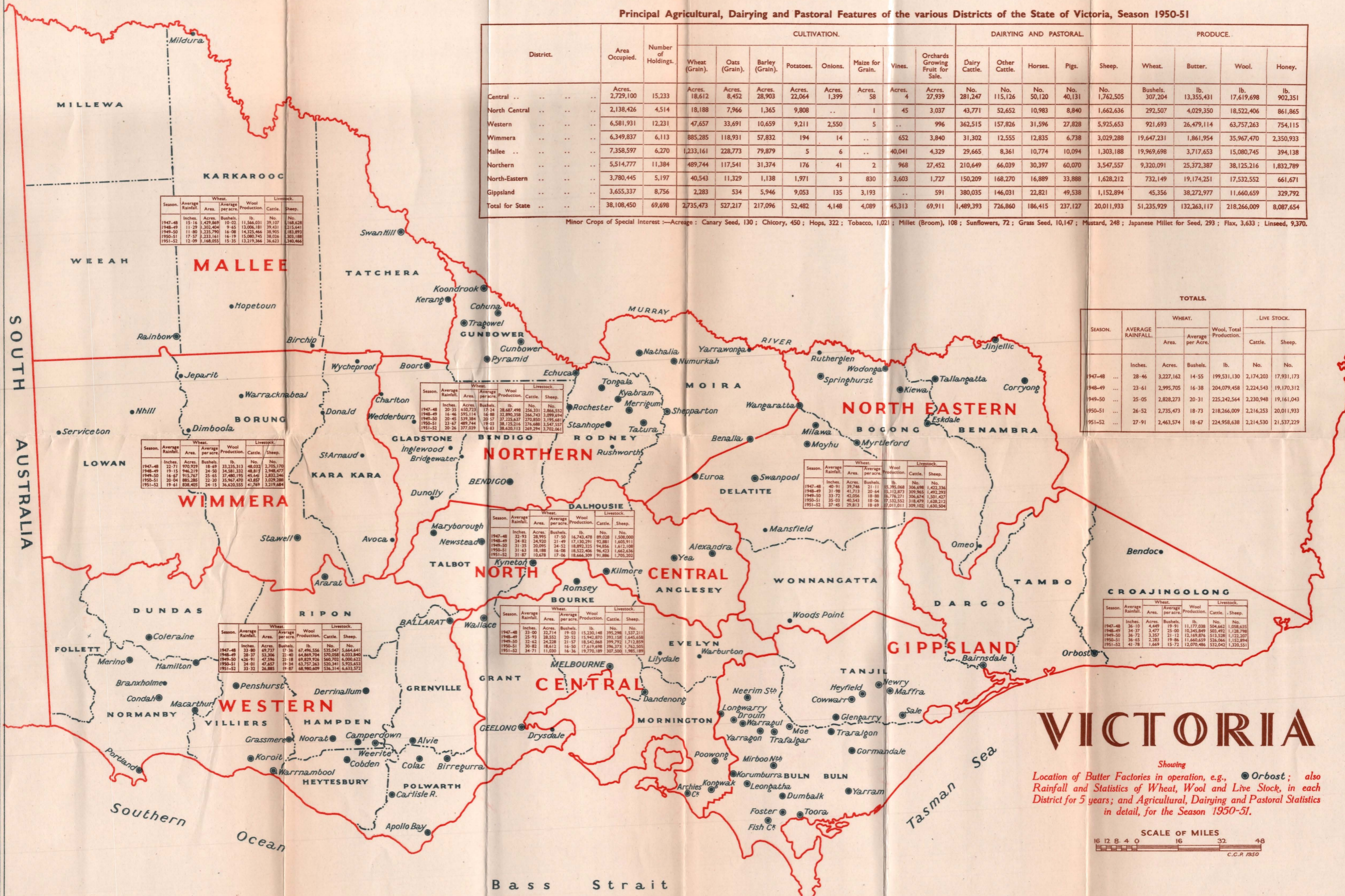


Principal Agricultural, Dairying and Pastoral Features of the various Districts of the State of Victoria, Season 1950-51

District.	Area Occupied.	Number of Holdings.	CULTIVATION.							DAIRYING AND PASTORAL.					PRODUCE.				
			Wheat (Grain).	Oats (Grain).	Barley (Grain).	Potatoes.	Onions.	Maize for Grain.	Vines.	Orchards Growing Fruit for Sale.	Dairy Cattle.	Other Cattle.	Horses.	Pigs.	Sheep.	Wheat.	Butter.	Wool.	Honey.
Central .. .. .	Acres. 2,729,100	15,233	Acres. 18,612	Acres. 8,452	Acres. 28,903	Acres. 22,064	Acres. 1,399	Acres. 58	Acres. 4	Acres. 27,939	No. 281,247	No. 115,126	No. 50,120	No. 40,131	No. 1,762,505	Bushels. 307,204	Lb. 13,355,431	Lb. 17,619,698	Lb. 902,351
North Central .. .. .	2,138,426	4,514	18,188	7,966	1,365	9,808	..	1	45	3,037	43,771	52,652	10,983	8,840	1,662,636	292,507	4,029,350	18,522,406	861,865
Western .. .. .	6,581,931	12,231	47,657	33,691	10,659	9,211	2,550	5	..	996	362,515	157,826	31,596	27,828	5,925,653	921,693	26,479,114	63,757,263	754,115
Wimmera .. .. .	6,349,837	6,113	885,285	118,931	57,832	194	14	..	652	3,840	31,302	12,555	12,835	6,738	3,029,288	19,647,231	1,861,954	35,967,470	2,350,933
Mallee .. .. .	7,358,597	6,270	1,233,161	228,773	79,879	5	6	..	40,041	4,329	29,665	8,361	10,774	10,094	1,303,188	19,969,698	3,717,653	15,080,745	394,138
Northern .. .. .	5,514,777	11,384	489,744	117,541	31,374	176	41	2	968	27,452	210,649	66,039	30,397	60,070	3,547,557	9,320,091	25,372,387	38,125,216	1,832,789
North-Eastern .. .. .	3,780,445	5,197	40,543	11,329	1,138	1,971	3	830	3,603	1,727	150,209	168,270	16,889	33,888	1,628,212	732,149	19,174,251	17,532,552	661,671
Gippsland .. .. .	3,655,337	8,756	2,283	534	5,946	9,053	135	3,193	..	591	380,035	146,031	22,821	49,538	1,152,894	45,356	38,272,977	11,660,659	329,792
Total for State .. .. .	38,108,450	69,698	2,735,473	527,217	217,096	52,482	4,148	4,089	45,313	69,911	1,489,393	726,860	186,415	237,127	20,011,933	51,235,929	132,263,117	218,266,009	8,087,654

Minor Crops of Special Interest:—Acres: Canary Seed, 130; Chicory, 450; Hops, 322; Tobacco, 1,021; Millet (Broom), 108; Sunflowers, 72; Grass Seed, 10,147; Mustard, 248; Japanese Millet for Seed, 293; Flax, 3,633; Linseed, 9,370.



TOTALS.

SEASON.	AVERAGE RAINFALL.	WHEAT.		Wool, Total Production.		LIVE STOCK.	
		Area.	Average per Acre.	Lb.	No.	Cattle.	Sheep.
1947-48 .. .	28.46	3,227,162	14.55	199,531,130	2,174,203	17,931,173	
1948-49 .. .	23.61	2,995,705	16.38	204,079,458	2,224,543	19,170,312	
1949-50 .. .	25.05	2,828,273	20.31	225,242,564	2,230,948	19,161,043	
1950-51 .. .	26.52	2,735,473	18.73	218,266,009	2,216,253	20,011,933	
1951-52 .. .	27.91	2,463,574	18.67	224,958,638	2,214,530	21,537,229	

# VICTORIA

Showing Location of Butter Factories in operation, e.g., ● Orbest; also Rainfall and Statistics of Wheat, Wool and Live Stock, in each District for 5 years; and Agricultural, Dairying and Pastoral Statistics in detail, for the Season 1950-51.



## PART II.

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### LAND SETTLEMENT ; AGRICULTURE ; PASTORAL AND DAIRYING ; FORESTRY.

#### LAND AND SETTLEMENT.

The total area of the State is 56,245,760 acres. On 31st December, 1950, this comprised :—

	Acres.
Lands alienated in fee-simple .. .. .	30,004,888
Lands in process of alienation .. .. .	2,759,383
Crown lands .. .. .	23,481,489
Total .. .. .	56,245,760

The Crown lands comprise—

Permanent forests (under Forests Act) .. .. .	4,257,740
Timber reserves (under Forests Act) .. .. .	717,433
State Forests and timber reserves (under Land Act)	164,621
Water reserves .. .. .	318,631
Reserves in the Mallee .. .. .	410,000
Other reserves .. .. .	553,259
Roads .. .. .	1,794,218
Water frontages, beds of rivers, lakes, &c.; unsold land in cities, towns, and boroughs .. .. .	4,385,532
Land in occupation under—	
Perpetual leases .. .. .	78,862
Leases of former Agricultural College lands .. .. .	53,957
Other leases and licences .. .. .	19,910
Temporary grazing licences .. .. .	8,555,410
Unoccupied .. .. .	2,171,916
Total .. .. .	23,481,489

In the following table are shown the area of Crown lands sold absolutely and conditionally, and the area of lands alienated in fee-simple during the six years 1945-50. A portion of the area conditionally sold reverts to the Crown each year in consequence of the non-fulfilment of conditions by the selectors. The lands alienated each year include areas selected in previous years :—

**VICTORIA—ALIENATION OF CROWN LANDS, 1945  
TO 1950.**

Year Ended 31st December.	Area of Crown Lands Sold.			Crown Lands alienated in Fee-simple.	
	Absolutely, at Auction, &c.	Conditionally to Selectors.	Total.	Area.	Purchase Money.
	Acres.	Acres.	Acres.	Acres.	£
1945 .. ..	1,991	139	2,130	183,342	98,315
1946 .. ..	1,789	49	1,838	264,316	126,625
1947 .. ..	2,974	..	2,974	247,189	161,135
1948 .. ..	3,450	..	3,450	169,258	197,367
1949 .. ..	2,596	..	2,596	128,699	237,476
1950 .. ..	2,557	..	2,557	108,142	278,913

**Amount realized by sale of Crown lands.** From the period of the first settlement of the State to the end of 1950 the amount realized by the sale of Crown lands was £38,577,088. Payment of a considerable portion of this amount extended over a series of years without interest, upon very easy terms.

**Transfer of Land Act.** .. The "Torrens System", whereby a person becomes registered as the proprietor of land by means of a Certificate of Title, indefeasible and guaranteed by the State, was introduced into Victoria in 1862. The system has been the means of simplifying procedure in and reducing the cost of, dealing in real estate, and gives a title to the registered owner free of any latent defect. The original Crown grant or subsequent Certificate of Title in lieu thereof issues through the Titles Office.

In order to bring under the Transfer of Land Act land that was alienated by the Crown prior to 1862 (5,142,321 acres), application must be made accompanied by the deeds in the claim of title or, if adverse possession is relied on, strict proofs of the applicant's interest in

the property. During 1950 there were submitted 103 such applications in respect of land amounting in area to 1,137 acres, and in value to £258,789; while the land actually brought under the Act as a result of applications was 1,672 acres valued at £416,015. Up to the end of 1950 there had been brought under the Act 3,317,631 acres valued at £75,854,309. The area of land still under the Old Law System at the end of 1950 was 1,824,690 acres. A summary of dealings under the Transfer of Lands Acts will be found in part "Accumulation" of the *Year-Book*.

In granting an application to have land brought under the *Transfer of Land Act* 1928, the Commissioner of Titles is required to issue a perfect Title save as to any circumstances of which he has had notice. To assure and indemnify the Government in a case where the Supreme Court or some higher Tribunal has decided that some person other than the applicant has an interest in the property, and it has consequently been found necessary to compensate such other person, there has been constituted an Assurance Fund which is built up of contributions of  $\frac{1}{4}$ d. in the £ on the value of the land covered by the application. During 1950-51 receipts of the Fund comprised contributions, £3,469, and interest on stock, £3,269. Claims during the year amounted to £47, and the sum of £5,095 was paid out in accordance with section 3 of the *Special Funds Act* 1920 to provide for the interest on loan moneys expended on University buildings. The balance at the credit of the Assurance Fund on 30th June, 1951, was £124,406. The amount paid up to 30th June, 1951, as compensation and for judgments recovered, including costs, was £11,472.

#### DISCHARGED SOLDIERS' SETTLEMENT.

**Soldier  
Settlement  
Commission.**

The *Soldier Settlement Act* 1945, No. 5107, *inter alia*, (a) authorised the ratification of an agreement between the State of Victoria and the Commonwealth of Australia relating to the settlement on land of discharged members of the forces; (b) provided for the constitution of a Soldier Settlement Commission consisting of three members to administer soldier settlement and the appointment of the necessary officers and employees of the Commission and local advisory committees; (c) provided for the raising of £15,000,000 towards soldier settlement and the application thereof; (d) prescribed the powers and functions of the Commission relating to the acquisition and setting apart of land for purposes of soldier settlement; (e) provided for the valuation of land and the determination of disputed claims for compensation; and (f) set out the general duties of the Commission as to the settlement of discharged soldiers on the land and the advances to such soldiers.

The *Soldier Settlement (Amendment) Act* 1946, No. 5133 (a) extended the powers of the Commission to subdivide land by enabling the setting aside of portions of the land for public purposes and the disposal of unsuitable positions; (b) provided for the appointment of assessors, two of whom will sit with the judge during hearings of disputed claims for compensation; and (c) extended the power of the Commission to make advances to discharged soldiers to include the making of "advances in kind" of stock, implements, and equipment.

Section 41 of the principal Act imposed the duty on the Commission to recommend such other legislation considered to be necessary or expedient in order to give effect to the War Service Land Settlement Agreement. The performance of this duty resulted in the *Soldier Settlement Act* 1946, No. 5179, which (a) legislated in detail for the subdivision of lands acquired for soldier settlement and the settling of discharged soldiers thereon; (b) authorized the making of advances to discharged soldiers in connexion with single-unit farms and for "carrying-on" expenses and for the purchase of stock, plant, equipment, &c.; and (c) contained miscellaneous administrative provisions and made consequential amendments to the Soldier Settlement Acts.

To 30th June, 1951, the Commission has acquired by **Land Acquired.** voluntary negotiation land as follows:—

	Acres.	Price Paid. £
Land acquired prior to 1st July, 1950 ..	732,152	7,144,440
Land acquired 1st July, 1950, to 30th June, 1951 .. .. .	85,826	2,018,018
	<hr/>	<hr/>
	817,978	9,162,458

In addition to the land acquired, 25,468 acres of Crown Land have been set apart for settlement purposes.

In order to maintain production from acquired properties, it is the policy of the Commission to lease the land back to the vendors or to other suitable tenants pending sub-division and allocation to settlers.

To 30th June, 1951, 15,778 ex-servicemen had lodged applications for classification as to eligibility and suitability.

Of this number, 14,042 have appeared before Classification Boards with the following results:—

Suitable for farm ownership .. .. .	10,450
Suitable for further training .. .. .	1,584
Unsuitable, withdrawn, deferred and ineligible ..	2,008
	<hr/>
	14,042

It is interesting to note that only 4,753 individual ex-servicemen, after having been classified as suitable, had actually lodged applications for land made available.

**Land Allocated.** Of the land acquired and set apart, 704,549 acres have been sub-divided into 1,669 holdings. These holdings were made available for application and to 30th June, 1951, 1,569 holdings, comprising 656,668 acres, have been allocated.

**Development of Holdings.** The War Settlement Land Agreement provides that the State shall, *inter alia*, develop and improve land to a stage when it can be brought into production within a reasonable time. This work envisaged the erection of fencing and improvements, clearing, provision of water points, pasture improvement, planting of orchards, vineyards, &c., construction of roads, and arrangements for electricity supply if available. Tenders have been accepted for the construction of 1,284 new houses, and the renovation of a number of existing houses on purchased estates is proceeding.

Close co-operation exists between the Commission, the Country Roads Board, and the State Rivers and Water Supply Commission in connexion with the construction of necessary roads and the lay-out of irrigation farms, &c.

**Stock Purchased.** When purchasing some estates it was necessary to complete negotiations on a walk-in walk-out basis. In this way the Commission obtained 191,418 sheep, 5,026 cattle, and 226 horses. Thus, settlers obtained good station stock to form the nucleus of their flocks or herds.

**Single Unit Farms.** Financial assistance afforded to ex-servicemen to enable them to purchase farms of their own choosing is solely a State responsibility and is outside the terms of the War Service Land Settlement Agreement. The evidence to date shows that this form of re-habilitation is less costly to the State and more satisfactory to the ex-serviceman than that provided under the Agreement mentioned.

Application for loans numbered 3,384 to 30th June, 1951, Financial assistance amounting to £8,056,743 has been approved in 2,218 cases; 1,140 applications were not granted, and the remainder are in stages of being dealt with. As advances of up to 90 per cent. of the Commission's valuations of the farms are provided for under the Act it is expected that some losses must be incurred.

**Commonwealth  
Agricultural  
Loans and  
Allowances.**

The Commission as agent for the Commonwealth Government administers the *Re-Establishment and Employment Act 1945* as far as it relates to the granting of agricultural loans and allowances. Loans are limited to £1,000 in each case and all capital is provided and administrative expenses are borne by the Commonwealth Government.

To 30th June, 1951, loans totalling £2,009,851 were granted to 3,156 ex-servicemen and allowances totalling £293,869 were made to 2,304 applicants.

### WATERWORKS.

All Victorian waterworks are controlled by official bodies, either State or local. The following table shows State expenditure (all of which was from loan funds) on works under the control of the State Rivers and Water Supply Commission, as well as grants and loans to local bodies. In addition to free grants to local bodies, large sums have been written off their liabilities. The following information has been taken from the Annual Report of the State Rivers and Water Supply Commission:—

#### VICTORIA—STATE EXPENDITURE AND LOAN LIABILITY ON WATERWORKS\* TO 30TH JUNE, 1951.

Description of Works.	Capital Expenditure to 30th June, 1951.	Loan Redemption Paid.	Loan Liability at 30th June, 1951.
	£	£	£
Free Headworks .. .. .	1,244,887	3,134	1,241,753
Capital Works and Charges not apportionable to Districts .. .. .	5,440,641	387,235	5,053,406
Headworks Costs apportioned to Districts .. .. .	18,045,397	147,520	17,897,877
Irrigation and Water Supply Districts (exclusive of Headworks Costs) .. .. .	9,377,299	110,140	9,267,159
Urban Divisions of Irrigation Districts .. .. .	92,099	2,434	89,665
Waterworks Districts (exclusive of Headworks Costs)	3,117,902	64,515	3,053,387
Urban Districts of Waterworks Districts (exclusive of Headworks Costs) .. .. .	3,461,848	60,286	3,401,562
Flood Protection and Drainage Districts .. .. .	538,309	8,885	529,424
Waterworks Trusts and Local Governing Bodies .. .. .	6,494,627	902,403	5,592,224
River Improvement Trusts .. .. .	2,145	..	2,145
<b>TOTAL</b> .. .. .	<b>47,815,154</b>	<b>1,686,552</b>	<b>46,128,602</b>

\* Excluding Melbourne and Metropolitan Board of Works, Geelong Waterworks and Sewerage Trust, and the Ballarat Water Commission, particulars of which appear in part "Local Government" of this issue.

## IRRIGATION AND WATER SUPPLY DEVELOPMENT.

**Progress of Irrigation.** Prior to 1905 the management of irrigation in Victoria was in the hands of various Irrigation Trusts, which were financed by the State. These Trusts drifted into financial difficulties and the State was compelled to assume control. In the year mentioned, the State Rivers and Water Supply Commission was constituted and entrusted with the management of all irrigation works except those controlled by the First Mildura Trust. This authority is embodied in the *Water Act* 1928, which consolidates the Water Acts of 1915, 1916, and 1918, and the *Ballarat Water Commissioners Act* 1921.

The particulars in the following statement, while not covering the whole of the activities of the State Rivers and Water Supply Commission, furnish a general idea of the development of water conservation and distribution, and of drainage and flood protection in districts under its administration:—

VICTORIA—WATER CONSERVATION AND DISTRIBUTION :  
DRAINAGE AND FLOOD PROTECTION DISTRICTS.

	At 30th June	
	1907.	1951.
Area of State artificially supplied with water (acres)	10,800,000	15,313,480
Capacity of reservoirs .. (acre feet)	474,000	1,975,780
<b>Irrigation Districts—</b>		
Number of Districts administered .. ..	10	28
Number of Districts having Water Rights ..	Nil	26
Total of such Water Rights .. (acre feet)	Nil	566,615
Area classified as irrigable .. (acres)	..	1,070,424
Area under Irrigated Culture .. (acres)	108,000	716,051
<b>Rural Waterworks Districts (Domestic and Stock Supply)—</b>		
Number of Districts administered .. ..	3	30
Annual Value for Rating purposes .. (£)	125,000	1,635,974
<b>Urban Districts—</b>		
Number of Districts administered .. ..	1	90
Annual Value for Rating purposes .. (£)	5,600	1,311,710
<b>Coliban System (Urban, Rural, Irrigation, and Mining Supplies)—</b>		
Annual Value for Urban Rating purposes (£)	317,750	515,360
<b>Flood Protection Districts—</b>		
Number of Districts administered .. ..	..	4
<b>Drainage Districts—</b>		
Number of Districts administered .. ..	..	1
Number of Assessments .. ..	..	4,980



## PROGRESS IN IRRIGATION DEVELOPMENT.

The area under irrigated culture for all kinds of crops has increased from 129,771 acres in 1909-10 to 716,051 acres in 1950-51.

## VICTORIA—LANDS UNDER IRRIGATED CULTURE, 1950-51.

District.	Area Irrigated.
	Acres.
Katandra .. .. .	7,555
North Shepparton .. .. .	21,920
Shepparton .. .. .	17,282
South Shepparton .. .. .	7,975
Rodney .. .. .	96,994
Tongala-Stanhope .. .. .	43,794
Rochester .. .. .	62,254
Dingee .. .. .	4,052
Calivil .. .. .	11,154
Tragowel Plains .. .. .	44,969
Deakin .. .. .	6,996
Boort .. .. .	19,956
Cohuna .. .. .	59,802
Koondrook .. .. .	35,604
Swan Hill .. .. .	23,753
Third Lake .. .. .	3,445
Mystic Park .. .. .	3,204
Tresco .. .. .	1,414
Fish Point .. .. .	2,256
Kerang .. .. .	39,306
Murray Valley .. .. .	42,312
Kerang North-West Lakes .. .. .	4,632
Nyah .. .. .	2,934
Red Cliffs .. .. .	11,666
Merbein .. .. .	8,403
Robinvale .. .. .	2,290
East Loddon .. .. .	237
Loddon .. .. .	39
West Loddon .. .. .	2,988
Coliban .. .. .	7,730
Campaspe .. .. .	1,011
Western Wimmera .. .. .	2,639
Wimmera United .. .. .	127
Bacchus Marsh .. .. .	2,903
Werribee .. .. .	7,882
Maffra-Sale .. .. .	19,992
Mornington Peninsula .. .. .	1,544
Bellarine Peninsula .. .. .	80
Lands outside constituted Districts .. .. .	82,957
Total .. .. .	716,051

The subjoined table shows the total extent of irrigated land in the State in each of the five years, 1947 to 1951, and the purposes for which the land was utilized. The area irrigated in 1948-49 (722,968 acres) was a record, being 6,917 acres in excess of the 1950-51 total. Areas of sown pastures irrigated have increased in latter years and in 1950-51 reached 420,350 acres. This tends to add stability to production and to provide a more productive use for the water available:—

## VICTORIA—IRRIGATED AREAS: HOW UTILIZED.

Crop.	Year ended 30th June—				
	1947.	1948.	1949.	1950.	1951.
	Acres.	Acres.	Acres.	Acres.	Acres.
Cereals .. .. .	83,263	33,889	62,123	35,305	25,264
Lucerne .. .. .	69,700	65,211	62,071	60,095	54,472
Sorghum and other annual fodders .. .. .	17,657	8,685	9,937	7,903	5,097
Pastures .. .. .	440,879	478,576	483,867	453,349	522,188
Vineyards, Orchards, and Market Gardens .. .. .	87,953	88,539	90,028	93,034	93,698
Fallow and Miscellaneous .. .. .	9,138	11,948	14,942	12,604	15,332
Total .. .. .	708,590	686,848	722,968	662,290	716,051

Of the total area irrigated in 1950-51 (716,051 acres) the percentages devoted to different purposes were as follows:—Pastures 73; lucerne, 8; vineyards, orchards, and gardens, 13; cereals, 3; sorghum and other annual fodder crops, 1; fallows and miscellaneous, 2.

Dairying and fat lamb production are two of the principal industries in irrigation districts. Dairy herds grazed on irrigated pastures obtained prominent positions in the 1950-51 Standard Herd Test conducted by the Department of Agriculture.

The production of dried vine and tree fruits, of citrus, and of fruits for canning are established features in these districts. There has also been considerable expansion in vegetable growing and a development of the canning industry in relation thereto. The Victorian dried

Progress in  
Irrigation  
Areas,  
1949-50.

vine-fruit crop amounted to 34,087 tons. The Victorian production of citrus fruits during the 1950-51 season amounted to 956,880 bushels—approximately 90 per cent. of which was grown within irrigation districts.

The Victorian production of canned apricots, peaches, and pears in the season 1950-51 was 2,211,187 cases, each of two dozen 30-oz. tins. This represented 69 per cent. of the Australian output of those fruits.

Supply of water for domestic, industrial, and stock purposes.

Extensive schemes for the supply of water for domestic, industrial, and stock purposes are under the control of the State Rivers and Water Supply Commission. Altogether, the rural and urban area so supplied is approximately 20,107 square miles—23 per cent. of the total area of the State. The major portion of such area is in the Mallee and Wimmera districts.

The numbers of urban towns supplied with water for domestic and industrial purposes are—130 by the Commission, 121 by Waterworks Trusts, and 15 by Local Government bodies. The estimated population in these districts in 1950-51 was 486,300 persons.

STORAGE AND SUPPLY SCHEMES.

Water Storages in State.

In 1902, the capacity of storages in the State was 172,000 acre feet. The present capacity (including half share of the River Murray Works) is 1,975,780 acre feet. The Hume Reservoir, designed to contain 2,000,000 acre feet (half of which can, subject to the provisions of the River Murray Agreement, be credited to the State of Victoria) now has a capacity of 1,250,000 acre feet. When the final stage of this work has been completed, and when the Rocklands, Glenmaggie and Cairn Curran Reservoirs are also completed, the combined storage capacity available to users in Victoria will be 2,790,780 acre feet.

EXISTING STORAGES.

						Capacities in Acre Feet.
<i>Goulburn System—</i>						
Goulburn Weir	..	..	..	..	..	20,700
Waranga	..	..	..	..	..	333,400
Eildon	..	..	..	..	..	306,000
						660,100

## EXISTING STORAGES—continued.

						Capacities in Acre Feet.
<i>Murray-Loddon System—</i>						
Hume Reservoir (half share of 1,250,000 acre feet)	..					625,000
Yarrowonga Weir (half share of 95,120 acre feet)	..					47,560
Torrumbarry (half share of 28,900 acre feet)	..					14,450
Mildura (half share of 29,360 acre feet)	..					14,680
Wentworth (half share of 38,140 acre feet)	..					19,070
Euston (half share of 31,320 acre feet)	..					15,660
Kow Swamp	..	..	..	..	..	40,860
Laanecoorie	..	..	..	..	..	6,300
Kerang North-west Lakes	..	..	..	..	..	69,400
Lake Boga	..	..	..	..	..	29,650
Lake Cullulleraine	..	..	..	..	..	2,000
						884,630
<i>Wimmera-Mallee System—</i>						
Fyans Lake	..	..	..	..	..	17,100
Lake Lonsdale	..	..	..	..	..	53,300
Wartook	..	..	..	..	..	23,800
Taylor's Lake	..	..	..	..	..	30,000
Pine Lake	..	..	..	..	..	52,000
Green Lake	..	..	..	..	..	6,600
Dock Lake	..	..	..	..	..	4,800
Moora	..	..	..	..	..	5,100
Lower Wimmera Weirs	..	..	..	..	..	2,870
Batyo Catyo (Avon Regulator)	..	..	..	..	..	5,000
Lake Whitton	..	..	..	..	..	1,300
Township Reservoirs, and Mallee Tanks	..	..	..	..	..	4,990
						206,860
<i>Maffra-Sale System—</i>						
Glenmaggie Reservoir (part of 150,000 acre feet)	..					106,000
Stratford Service Basin	..	..	..	..	..	20
Heyfield Service Basin	..	..	..	..	..	20
						106,040
<i>Coliban System—</i>						
Upper Coliban	..	..	..	..	..	25,700
Malmsbury	..	..	..	..	..	14,400
Lauriston	..	..	..	..	..	16,000
Spring Gully	..	..	..	..	..	2,000
Subsidiary Reservoirs	..	..	..	..	..	4,630
						62,730
<i>Werribee System—</i>						
Pykes Creek	..	..	..	..	..	19,400
Melton	..	..	..	..	..	15,500
						34,900

EXISTING STORAGES—*continued.*

						Capacities in Acre Feet.		
<i>Bellarine Peninsula System—</i>								
Wurdee Boluc	..	..	..	..	..	10,000		
Service Basins	..	..	..	..	..	850		
						<hr/>	10,850	
<i>Mornington Peninsula System—</i>								
Lysterfield	..	..	..	..	..	3,400		
Beaconsfield	..	..	..	..	..	740		
Frankston	..	..	..	..	..	660		
Mornington	..	..	..	..	..	260		
Bittern	..	..	..	..	..	480		
Service Basins	..	..	..	..	..	260		
						<hr/>	5,800	
<i>Otway System—</i>								
Service Reservoirs	..	..	..	..	..	..	1,080	
<i>Miscellaneous—</i>								
Eppalock	..	..	..	..	..	1,200		
Wonthaggi	..	..	..	..	..	1,550		
Wonthaggi Service Basins	..	..	..	..	..	10		
Newstead	..	..	..	..	..	30		
						<hr/>	2,790	
Total capacity of existing Storages						..	..	<hr/> <hr/> 1,975,780

ADDITIONAL STORAGE BEING PROVIDED BY WORKS IN COURSE OF  
CONSTRUCTION.

<i>Wimmera-Mallee System—</i>							
Rocklands	..	..	..	..	..	..	272,000
<i>Murray-Loddon System—</i>							
Cairn Curran	..	..	..	..	..	..	120,000

FURTHER STORAGE WHICH COULD BE PROVIDED BY COMPLETION OF  
EXISTING WORKS.

<i>Maffra-Sale System—</i>								
Glenmaggie Reservoir (balance of 150,000 acre feet)	..	..	..	..	..	..	48,000	
<i>Murray System—</i>								
Hume Reservoir, at junction with Mitta River (half share of balance of 2,000,000 acre feet)	..	..	..	..	..	..	375,000	
						<hr/>	423,000	
Total capacity of storages when works are completed						..	..	<hr/> <hr/> 2,790,780

Detailed descriptions of the various systems which have been instituted for irrigation and for supplying water for domestic and stock purposes appear in the *Year-Book* for 1928-29 (pp. 526 to 534).

METEOROLOGY.

Particulars in regard to climate and weather conditions have been furnished by the Meteorological Bureau, and are given in the following tables. In the first are shown the rainfall for each district and for the whole State for each of the years 1901 to 1952, together with the average rainfall covering a period of 30 years :—

VICTORIA—RAINFALL IN DISTRICTS.

Year Ended 31st Decem-ber.	Districts.								Whole State.
	Mallee.	Wim-mera.	North-ern.	North-Central.	North-Eastern.	Western.	Central.	Gipps-land.	
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
1901 ..	9.39	16.61	13.58	24.78	28.08	27.90	28.98	33.66	22.05
1902 ..	7.64	11.94	11.26	18.41	20.10	23.54	24.88	33.35	18.55
1903 ..	16.34	22.76	22.22	32.07	33.13	33.43	32.86	33.68	27.44
1904 ..	10.75	17.22	17.32	28.00	33.56	28.54	31.29	30.02	23.40
1905 ..	12.01	18.40	16.39	25.36	31.72	28.79	29.61	37.84	24.53
1906 ..	15.22	23.42	24.16	32.00	42.11	32.53	30.13	34.81	28.49
1907 ..	9.25	17.07	14.74	22.42	26.19	26.16	25.36	27.20	20.40
1908 ..	12.33	17.72	14.38	19.98	26.40	25.81	20.08	24.29	20.02
1909 ..	14.35	22.38	20.04	29.77	35.62	31.37	30.57	34.09	26.52
1910 ..	15.96	22.36	20.13	29.13	32.10	32.45	28.28	30.80	25.96
1911 ..	17.84	19.89	19.87	29.79	33.24	31.13	36.88	39.71	28.08
1912 ..	12.50	17.52	18.12	23.00	30.93	25.94	24.92	26.60	21.86
1913 ..	12.66	16.38	16.76	24.22	29.69	25.85	27.64	34.65	22.96
1914 ..	7.29	9.76	9.73	14.95	19.94	18.56	20.05	23.81	14.66
1915 ..	12.42	18.98	16.75	25.65	34.17	27.44	24.67	27.63	22.35
1916 ..	17.72	22.54	25.60	34.44	44.01	30.72	38.78	37.78	30.27
1917 ..	19.55	21.96	26.34	35.86	56.09	31.70	32.41	34.63	30.77
1918 ..	13.59	16.44	21.96	28.30	36.96	25.70	30.11	33.39	24.70
1919 ..	11.46	13.86	15.06	21.21	27.27	26.47	25.48	37.03	22.77
1920 ..	14.93	16.04	20.15	28.37	34.42	25.99	31.38	33.37	25.43
1921 ..	16.29	19.99	23.69	31.75	39.57	27.36	31.13	31.73	26.35
1922 ..	10.44	17.15	13.15	20.85	26.10	28.09	27.82	32.92	21.35
1923 ..	15.07	20.21	17.60	27.30	34.80	33.51	30.11	33.88	26.12
1924 ..	16.08	22.17	23.29	34.74	40.70	31.13	40.30	37.37	28.10
1925 ..	9.87	14.20	14.09	20.28	27.42	22.43	23.12	29.69	19.74
1926 ..	12.64	17.00	16.85	24.25	35.36	26.70	24.20	29.72	22.90
1927 ..	7.66	13.93	11.14	18.67	26.15	23.20	22.16	28.43	18.56
1928 ..	14.04	19.10	21.27	29.56	37.21	30.46	29.86	33.98	26.14
1929 ..	9.10	15.56	13.65	24.20	27.24	29.28	31.13	32.36	22.00
1930 ..	15.32	20.94	19.68	30.59	32.49	29.43	30.85	33.66	25.76
1931 ..	14.86	19.25	21.77	31.20	43.18	23.79	32.88	32.65	26.97
1932 ..	14.96	18.90	20.60	29.63	34.33	31.85	32.91	34.19	26.34
1933 ..	14.13	20.96	20.25	31.09	32.09	26.87	27.56	30.65	24.47
1934 ..	13.21	16.64	21.01	28.57	42.81	29.20	35.60	43.39	27.60
1935 ..	10.84	17.71	19.53	29.14	35.86	30.49	34.23	42.53	26.65
1936 ..	14.39	19.41	19.50	28.47	35.52	26.91	30.24	36.38	25.63
1937 ..	12.69	17.19	13.70	20.08	26.25	26.39	25.20	28.33	21.02
1938 ..	6.30	11.39	8.66	15.62	20.49	22.63	20.47	26.39	16.28
1939 ..	15.32	20.33	27.72	37.83	53.05	32.94	38.10	38.16	31.37
1940 ..	6.82	11.26	9.67	17.13	21.21	21.51	22.81	26.94	16.73
1941 ..	12.23	20.14	17.31	25.39	30.41	29.73	31.53	33.13	24.29
1942 ..	14.31	22.04	19.66	31.91	38.23	30.54	29.68	31.59	26.28
1943 ..	8.25	13.48	10.98	20.22	26.76	25.86	22.46	30.05	19.44
1944 ..	6.59	10.46	9.24	17.10	20.72	24.30	23.97	27.54	17.09
1945 ..	9.63	15.20	14.84	21.72	29.97	25.21	22.25	28.60	20.50
1946 ..	14.07	22.07	17.76	29.86	39.85	40.20	33.04	41.19	29.37
1947 ..	15.16	22.71	20.35	32.93	40.91	33.80	33.00	36.10	28.46
1948 ..	11.29	19.15	16.46	24.82	31.98	28.37	25.93	34.37	23.61
1949 ..	11.80	16.67	20.45	31.35	33.72	26.91	32.62	36.72	25.05
1950 ..	17.57	20.04	23.67	31.63	35.03	24.01	30.82	36.25	26.52
1951 ..	12.09	19.61	20.26	31.87	37.45	33.32	34.71	41.78	27.91
1952 ..	15.22	21.87	21.86	35.56	46.24	39.30	40.66	48.71	32.75
Ave- rages*	12.49	17.52	18.09	27.06	34.81	27.58	29.64	33.47	24.28

\* Averages for a standard 30 years' period 1911-1940.

The heaviest rainfall in the State occurs in the Eastern highlands (from the Yarra watershed to the Upper Murray), in the Cape Otway Forest in the Western District, and in the South Gippsland, Latrobe and Thomson Basin sections of the Gippsland District. The lightest rainfall is in the Mallee District, the northern portion of which receives on the average from 10 to 12 inches only per year.

The means of the climate elements for the seasons in Melbourne deduced from all available official records are given in the following table :—

#### MEANS OF CLIMATIC ELEMENTS IN MELBOURNE.

Meteorological Elements.	Spring.	Summer.	Autumn.	Winter.
Mean pressure of air in inches .. ..	29·974	29·919	30·079	30·077
Monthly range of pressure of air—inches	0·889	0·768	0·816	0·974
Mean temperature of air in shade—° Fahr.	57·8	66·6	59·4	50·0
Mean daily range of temperature of air in shade—° Fahr. .. ..	18·7	21·1	17·4	14·0
Mean relative humidity. Saturation = 100	65	59	69	74
Mean rainfall in inches .. ..	7·14	6·07	6·57	5·82
Mean number of days of rain .. ..	38	25	33	45
Mean amount of spontaneous evaporation in inches .. ..	10·26	17·28	8·01	3·77
Mean daily amount of cloudiness—Scale 0 to 8 .. ..	6·0	5·2	5·9	6·5
Mean number of days of fog .. ..	1	1	7	12

In the subjoined statement are shown the yearly means of the climatic elements in Melbourne for 1950 together with averages and number of years of record for each element as well as the extremes between which the yearly mean values of such elements have oscillated in the latter periods.

YEARLY MEANS AND EXTREMES OF CLIMATIC  
ELEMENTS IN MELBOURNE.

Meteorological Elements.	Mean for Year 1950.	Means Over Period of Years.			
		Number of Years Recorded.	Mean for Period.	Extremes between which the yearly mean values have oscillated during the number of years shown in second column.	
				Highest.	Lowest.
Mean atmospheric pressure (inches) ..	30·047	93	30·012	30·106	29·945
Highest atmospheric pressure (inches)	30·630	93	30·603	30·770	30·405
Lowest atmospheric pressure (inches)	29·169	93	29·251	29·495	28·942
Range (inches) .. .. .	1·461	93	1·352	1·719	1·074
Mean temperature of air in shade (° Fahr.) .. .. .	58·7	95	58·5	59·9	57·3
Mean daily maximum (° Fahr.) ..	67·8	95	67·4	69·4	65·4
Mean daily minimum (° Fahr.) ..	49·6	95	49·5	51·2	47·2
Absolute maximum (° Fahr.) ..	101·6	95	104·9	114·1	96·6
Absolute minimum (° Fahr.) ..	33·4	95	31·0	34·2	27·0
Mean daily range (° Fahr.) .. ..	18·2	95	17·9	20·4	15·0
Absolute annual range (° Fahr.) ..	68·2	95	73·9	84·1	66·0
Terrestrial radiation (mean minima) (° Fahr.) .. .. .	46·4	90	44·0	47·1	39·5
Rainfall (in inches) .. .. .	26·18	95	25·62	38·04	15·61
Number of wet days .. .. .	147	95	143	187	102
Year's amount of free evaporation (in inches) .. .. .	38·46	78	39·37	45·66	31·59
Percentage of humidity (saturation = 100) .. .. .	67	94	67	76	58
Cloudiness (scale 8 = overcast, 0 = clear) .. .. .	4·6	93	5·2	4·7	3·8
Number of days of fog .. .. .	34	93	21	50	5



An estimate of the areas of the State, subject to different degrees of rainfall, is contained in the following statement:—

VICTORIAN—DISTRIBUTION OF AVERAGE RAINFALL.

Rainfall.						Area.
Inches.						Square Miles.
Under 15	..	..	..	..	..	18,701
15 to 20	..	..	..	..	..	13,800
20 to 25	..	..	..	..	..	13,551
25 to 30	..	..	..	..	..	14,528
30 to 40	..	..	..	..	..	15,802
40 to 50	..	..	..	..	..	6,671
50 to 60	..	..	..	..	..	2,660
Over 60	..	..	..	..	..	2,171

AGRICULTURAL RESEARCH AND EDUCATION.

This Department is controlled by a Minister of the Department of Agriculture. Crown under whom there is a staff of experts with the Director of Agriculture as Permanent Head. The Department is actively engaged in research, advisory and regulatory activities relating to the agricultural, horticultural and live stock industries of the State.

Research Stations. Research and experimental work is conducted at the State Research Farm, Werribee, the Rutherglen Research Station, the Mallee Research Station, Walpeup, the Horticultural Research Stations at Tatura and Scoresby, the Potato Research Station, Healesville, the Tobacco Research Station, Myrtleford, the School of Dairy Technology and Dairy Research Institute, Werribee, and the Plant Research Laboratory, Burnley. A Pasture Research Station and Plant Breeding Centre are also situated at Burnley. Cereal experimental centres are located at Longerenong and Dookie Agricultural Colleges. The Department is developing a property at Ellinbank, near Warragul, as a Dairy Cattle Research Station, and an Animal Husbandry Research Institute is being established at Werribee. Experimental work and demonstrations are also conducted on numerous selected private farms and orchards throughout the State.

The work in progress at the State Research Farm, Werribee, is directed towards the production of improved varieties of wheat, oats, barley, flax and other crops. Investigations are also being undertaken into soil fertility problems, irrigated pastures and the breeding, feeding and management of dairy cattle, sheep and poultry. At the School of Dairy Technology, the training of dairy factory operatives and research and investigation into problems arising in the manufacture of dairy products are carried out.

Work at the Rutherglen Research Station which serves as a research centre for the North-East, includes investigations into various aspects of cereal growing, pasture improvement and fat lamb raising. It was here that the initial experiments were conducted (1911-1918) which resulted in the widespread practice of the top-dressing of pastures with superphosphates.

The Mallee Research Station was established in 1932. In addition to cereal and fat lamb investigations, an important feature of the work on this Station is the testing of various species of grasses, clovers and other legumes with a view to developing types especially suitable for Mallee conditions. Special attention is being paid to the problem of sand drift control.

At Longerenong and Dookie experimental work relating to cereal production in these districts is undertaken.

The Horticultural Research Station at Tatura serves as a research centre for investigation of problems associated with fruit growing in the Goulburn Valley district while the Research Station at Scoresby is engaged in experimental work associated with fruit and vegetable production under southern Victorian conditions.

At the Plant Research Laboratory, Burnley, plant pathological and entomological research is undertaken. Also situated at Burnley is the School of Horticulture and Primary Agriculture which provides a two year course for the Certificate of Competency in Horticulture.

The work being undertaken on the departmental experimental plots on private farms and orchards embraces investigations into pasture improvement and the cultivation of various crops including cereals, flax, linseed, potatoes, tobacco, maize, soya beans, sunflowers, fruit and vegetables.

The Dookie and Longerenong Agricultural Colleges, which are administered by the Agricultural Education Division of the Department, provide a three-year course for the Diploma of Agriculture. Accommodation is provided at Dookie for 130 and at Longerenong for 70 students. The fee for

**Agricultural  
Colleges.**

students in residence at the Agricultural Colleges is £59 5s. per annum for maintenance. No charge is made for instruction. At Dookie a special annexe which was established for the training of discharged servicemen is now used for farmers' classes, women's classes, and other similar short term instruction.

A property at Glenormiston in the Western District is being developed as an Agricultural College where it is intended that specialized training in dairying will be provided.

**Advisory and Extension Services.** The Department is actively engaged in bringing the results of scientific research and investigation prominently before primary producers with a view to reducing the lag in time between the discovery of new facts and their being put into practice and in this regard, the advisory services of the Department play an important part. A number of officers is engaged full time on advisory duties; these include expert officers in a number of branches of animal and crop husbandry and also District Agricultural officers who are stationed in a number of country districts and undertake general agricultural advisory duties in those districts. In addition to these full time extension officers, approximately 150 officers including Veterinary Officers, Stock Inspectors, Dairy Supervisors and Orchard Supervisors, undertake advisory work in conjunction with their inspection duties.

Methods adopted by the extension officers of the Department in bringing up to date technical information to primary producers include the holding of farmers' field days, agricultural competitions, lectures and demonstrations. The Department also has a well equipped film production branch and operates two mobile film units in country districts.

**Melbourne University School of Agriculture.** The School of Agriculture at the University of Melbourne, for the maintenance of which a special grant is provided by the State, provides a four year degree course in Agricultural Science. The first year is devoted to pure science; during the second year students are in residence at the Dookie Agricultural College and receive practical farm training together with lectures on preparatory subjects. The remaining two years at the University are devoted to a more specialized study of agriculture and allied subjects on a scientific basis. A large number of graduates of this School is employed in the Victorian Department of Agriculture on research and advisory work. The School of Agriculture also carries out research on special agricultural projects.

**Commonwealth Scientific and Industrial Research Organization.** The Commonwealth Scientific and Industrial Research Organization was established on 19th May, 1949, when the *Science and Industry Research Act 1949* was proclaimed. Under that Act the Organization took the place of the existing Council for Scientific and Industrial Research, which in turn had in 1926 taken the place of the former Institute of Science and Industry.

The powers and functions of the Organization are similar to those of the Council and include the initiation and carrying out of research in connexion with, or for the promotion of, primary and secondary industries in the Commonwealth or any territory of the Commonwealth, or in connexion with any matter referred to the Organization by the Minister; the training of research workers; the making of grants in aid of pure scientific research; the testing and standardization of scientific apparatus and instruments, and the carrying out of scientific investigations connected with standardization; the collection and dissemination of information relating to scientific and technical matters; the publication of scientific and technical reports and periodicals; and acting as a means of liaison with other countries in matters of scientific research.

**Bureau of Agricultural Economics.** The Commonwealth Bureau of Agricultural Economics was established in August, 1945, in order to meet the need for a Commonwealth research and investigating authority in the fields of agricultural economics and rural policy.

The Bureau was developed from the rural division of the Ministry of Post-War Reconstruction in which Department it was first established. In 1946, it was transferred to the Department of Commerce and Agriculture, and is comprised of the following sections:—(1) General and Statistics; (2) Agricultural Commodities; (3) Land Use; and (4) Wool.

No administrative functions are vested in the Bureau. It is specifically a service institution charged with the duty of undertaking fact-finding researches, studying and interpreting the facts and making the results available to all concerned, including Commonwealth and State Departments, semi-governmental and private institutions and individuals.

Reference to the activities of the wool section of the Bureau appears on page 134 of this issue of the *Year-Book*.

## AGRICULTURE.

**Progress of cultivation.** In all divisions of the State there are areas suitable for cultivation. The area cultivated in 1951-52 was 6,297,477 acres, as compared with 6,504,831 acres in the previous season, and an annual average of 7,346,711 acres for the seasons 1946-50, 5,977,754 acres for the seasons 1941-45, 7,779,443 acres for the seasons 1936-40, 7,739,251 acres for the seasons 1926-35, 6,446,389 acres for the seasons 1916-25, 5,032,359 acres for the seasons 1906-15, and 3,547,111 acres for the seasons 1896-1905.

The following table shows the area under cultivation from period to period during the last 97 years :—

VICTORIA—ACREAGE CULTIVATED ANNUALLY, 1856 TO 1952.

Period or Year (ended March).	Annual average area in each decennium, 1856 to 1925, and actual area each year 1926-1951, under—		
	Crop.	Fallow.	Total Cultivation.
	Acres.	Acres.	Acres.
1856-65 .. .. .	325,676	12,146	337,822
1866-75 .. .. .	624,377	57,274	681,651
1876-85 .. .. .	1,306,920	137,536	1,444,456
1886-95 .. .. .	2,109,326	364,282	2,473,608
1896-1905 .. .. .	3,022,914	524,197	3,547,111
1906-15 .. .. .	3,756,211	1,276,148	5,032,359
1916-25 .. .. .	4,594,244	1,852,145	6,446,389
1927 .. .. .	4,735,173	2,569,021	7,304,194
1928 .. .. .	4,942,258	2,692,044	7,634,302
1929 .. .. .	5,505,651	2,683,462	8,189,113
1930 .. .. .	5,579,258	2,482,662	8,061,920
1931 .. .. .	6,715,660	2,590,629	9,306,289
1932 .. .. .	5,407,109	2,145,819	7,552,928
1933 .. .. .	5,115,745	2,633,287	7,749,032
1934 .. .. .	5,266,913	2,543,043	7,809,956
1935 .. .. .	4,677,683	2,216,464	6,894,147
1936 .. .. .	4,438,761	2,358,777	6,797,538
1937 .. .. .	4,407,312	2,483,163	6,890,475
1938 .. .. .	4,662,354	2,604,556	7,266,910
1939 .. .. .	5,019,299	2,543,225	7,562,524
1940 .. .. .	5,002,362	2,377,405	7,379,767
1941 .. .. .	4,467,191	1,887,418	6,354,609
1942 .. .. .	4,731,712	2,101,360	6,833,072
1943 .. .. .	3,838,415	1,660,171	5,498,586
1944 .. .. .	3,478,889	1,719,363	5,198,252
1945 .. .. .	4,310,152	1,694,097	6,004,249
1946 .. .. .	5,327,122	2,394,032	7,721,154
1947 .. .. .	5,102,980	2,460,350	7,563,330
1948 .. .. .	5,023,149	2,527,306	7,550,455
1949 .. .. .	4,644,841	2,343,685	6,988,526
1950 .. .. .	4,480,202	2,429,888	6,910,090
1951 .. .. .	4,351,220	2,153,611	6,504,831
1952 .. .. .	4,270,512	2,026,965	6,297,477



The following table is a classification of rural holdings in Victoria (including Crown lands held) in which sizes of holdings together with areas under wheat and numbers of stock carried are shown. More detailed information in respect of earlier years appears on pages 436 to 438 of the 1938-39 Year-Book :—

VICTORIA—SIZE OF HOLDINGS SHOWING AREAS UNDER WHEAT AND STOCK DEPASTURED, MARCH, 1948.

Size of Holdings. (Including Crown Lands Held)	Number of Holdings.	Area Occupied.	Wheat 1947-48.	Sheep.	Dairy Cattle.	Beef- cattle.	Pigs.
Acres.		Acres.	Acres.	No.	No.	No.	No.
1- 19 ..	9,031	88,300	76	6,111	21,814	1,751	8,622
20- 49 ..	8,087	254,641	1,476	26,918	53,392	4,395	12,206
50- 99 ..	7,692	555,551	7,194	94,277	165,765	11,651	29,249
100- 199 ..	11,521	1,635,705	40,153	413,987	417,074	39,190	70,121
200- 299 ..	6,356	1,543,814	55,901	641,809	243,915	43,030	40,857
300 399 ..	5,251	1,783,528	120,947	932,934	168,517	45,301	30,149
400- 499 ..	3,233	1,444,597	131,476	349,165	92,899	39,975	16,223
500- 599 ..	2,635	1,435,835	151,991	332,256	59,185	37,653	11,400
600- 699 ..	3,252	2,084,106	319,137	1,070,259	52,912	38,042	10,886
700- 799 ..	1,895	1,416,178	177,530	335,474	33,602	34,932	6,714
800- 899 ..	1,487	1,252,002	168,006	773,377	21,217	22,491	4,596
900- 999 ..	1,447	1,376,205	210,929	781,922	17,980	18,290	3,384
1,000- 1,999 ..	5,995	8,251,645	1,169,743	4,441,713	71,489	123,118	15,789
2,000- 4,999 ..	2,345	6,711,384	576,066	3,478,018	28,789	105,102	5,559
5,000- 9,999 ..	445	2,980,900	80,330	1,538,023	6,688	44,553	797
10,000-19,999 ..	144	2,005,186	13,331	756,703	1,828	30,601	183
20,000-49,999 ..	70	2,155,521	1,678	352,568	2,749	39,719	88
50,000-99,999 ..	15	917,872	618	16,690	292	3,659	232
100,000 and over	9	1,451,632	580	34,458	117	6,070	24
Totals ..	70,910	39,344,602	3,227,162	17,876,662	1,460,224	689,523	267,079

The following table shows the annual average area, production, and yield per acre during each decennium, 1855 to 1945, and the actual area, production and yield per acre for the principal crops (excluding vegetables and fruit) during each of the four seasons, 1949-1952 :—

Principal  
Crops (Area,  
Production,  
and Average  
Yield).

VICTORIA—ACREAGE, PRODUCTION, AND AVERAGE YIELD  
OF FIVE PRINCIPAL CROPS, 1855 TO 1952.

Period or Season.	Wheat.*	Oats.*	Barley.*	Potatoes.	Hay.
ANNUAL AREA.					
	Acres.	Acres.	Acres.	Acres.	Acres.
1855-65 ..	119,001	83,296	4,843	24,123	80,117
1865-75 ..	278,077	129,384	19,262	36,744	117,393
1875-85 ..	776,031	147,343	41,188	39,089	226,775
1885-95 ..	1,236,501	210,901	64,310	48,009	437,087
1895-1905 ..	1,898,280	340,957	52,829	45,243	540,472
1905-15 ..	2,190,336	390,642	60,378	56,272	848,587
1915-25 ..	2,633,945	428,372	84,205	61,195	1,122,978
1925-35 ..	3,268,656	445,987	88,358	65,677	1,057,905
1935-45 ..	2,448,954	493,634	141,836	48,060	982,276
1948-49 ..	2,995,705	539,603	195,779	45,785	591,341
1949-50 ..	2,828,273	483,190	236,123	50,651	606,525
1950-51 ..	2,735,473	527,217	217,096	52,482	557,454
1951-52 ..	2,463,574	676,503	186,224	42,108	640,418

ANNUAL PRODUCTION.					
	Bushels.	Bushels.	Bushels.	Tons.	Tons.
1855-65 ..	2,198,874	2,068,648	103,575	62,723	111,806
1865-75 ..	4,385,814	2,636,747	390,337	111,800	153,852
1875-85 ..	8,593,308	3,297,468	799,938	135,614	276,771
1885-95 ..	12,268,905	4,649,393	1,187,007	170,905	547,092
1895-1905 ..	14,032,145	6,649,453	947,580	134,357	672,982
1905-15 ..	22,906,743	7,342,468	1,243,442	158,445	1,084,726
1915-25 ..	39,171,358	7,965,864	1,923,654	169,864	1,511,298
1925-35 ..	38,661,077	5,666,134	1,772,099	167,965	1,242,808
1935-45 ..	31,723,840	5,144,194	2,126,636	165,756	1,145,099
1948-49 ..	49,063,560	7,489,601	3,547,691	166,105	933,983
1949-50 ..	57,433,835	8,718,307	4,876,180	167,881	1,000,855
1950-51 ..	51,235,929	9,034,005	4,510,079	139,391	894,585
1951-52 ..	45,994,752	11,151,260	3,619,576	178,399	1,046,764

AVERAGE ANNUAL YIELD PER ACRE.					
	Bushels.	Bushels.	Bushels.	Tons.	Tons.
1855-65 ..	18.48	24.83	21.39	2.60	1.40
1865-75 ..	15.77	20.38	20.27	3.04	1.31
1875-85 ..	11.07	22.38	19.42	3.47	1.22
1885-95 ..	9.92	22.05	18.46	3.56	1.21
1895-1905 ..	7.39	19.50	17.94	2.97	1.25
1905-15 ..	10.46	18.79	20.59	2.82	1.28
1915-25 ..	14.87	18.60	22.84	2.78	1.35
1925-35 ..	11.83	12.77	20.06	2.56	1.17
1935-45 ..	12.95	10.42	14.99	3.45	1.17
1948-49 ..	16.38	13.88	18.12	3.63	1.58
1949-50 ..	20.31	18.04	20.65	3.31	1.65
1950-51 ..	18.73	17.14	20.77	2.66	1.60
1951-52 ..	18.67	16.48	19.44	4.24	1.63

\* For grain.



**Growers of  
certain crops,  
season  
1950-51.**

The following table shows the numbers of growers of certain primary products, in each statistical district of the State, for the season 1950-51.

The information has no relation to the number of rural holdings in the State, as numbers of occupiers engaged in the cultivation of more than one of the crops enumerated:—

VICTORIA—GROWERS OF CERTAIN CROPS—SEASON  
1950-51.

Crops Grown.	Growers in each Statistical District.								State Total.
	Central.	North-Central.	Wes-tern.	Wim-mera.	Mallee.	Nor-thern.	North-East-tern.	Gipps-land.	
	No.	No.	No.	No.	No.	No.	No.	No.	No.
Grain Crops—									
Wheat ..	344	254	568	3,815	3,021	3,524	470	41	12,037
Oats .. ..	275	228	793	1,984	1,889	2,168	368	14	7,719
Barley ..	633	64	334	793	727	750	64	113	3,478
Maize .. ..	10	1	2	..	..	1	81	198	293
Hay—									
All kinds ..	4,443	1,653	5,678	2,826	897	4,102	2,357	4,249	26,205
Green Fodder—									
Maize .. ..	678	47	188	4	2	14	53	682	1,668
Lucerne ..	132	40	49	19	31	102	32	50	455
Millet .. ..	303	29	151	2	24	133	151	383	1,176
All other ..	182	85	184	7	19	55	50	124	706
Other—									
Potatoes ..	2,025	622	1,169	39	4	65	271	979	5,174
Onions .. ..	314	..	293	7	3	19	2	14	652
Other Vegetables	1,838	24	153	114	274	796	49	182	3,430
Orchards ..	2,365	208	151	248	981	1,134	296	158	5,541
Vineyards ..	2	2	..	34	2,171	193	65	..	2,467
Grass and Clover Seed .. ..	14	50	71	13	..	38	26	11	223
Tobacco .. ..	..	..	..	..	..	3	71	..	74*
Flax .. .. .	6	1	61	2	..	1	30	6	107

\* Excluding Share-farmers.

**Growers of  
Certain Crops,  
Season  
1951-52.**

The following table shows the number of growers of certain primary products, in each statistical district of the State, for the season 1951-52.

The information has no relation to the number of rural holdings in the State, as numbers of occupiers engaged in the cultivation of more than one of the crops enumerated:—

VICTORIA—GROWERS OF CERTAIN CROPS—SEASON  
1951-52.

Crops Grown.	Growers in each Statistical District.								State Total.
	Central.	North-Central.	Wes-tern.	Wim-mera.	Mallee.	Nor-thern.	North-ern. East-	Gipps-land.	
	No.	No.	No.	No.	No.	No.	No.	No.	No.
<b>Grain Crops—</b>									
Wheat ..	216	188	385	3,731	2,927	2,976	425	34	10,882
Oats ..	238	251	786	2,401	2,142	2,359	453	23	8,653
Barley ..	429	55	211	727	806	546	50	67	2,891
Maize ..	12	1	1	..	..	2	62	209	287
<b>Hay—</b>									
All kinds ..	4,607	1,631	5,885	2,958	934	4,283	2,634	4,616	27,548
<b>Green Fodder—</b>									
Maize ..	703	68	218	4	2	20	69	776	1,860
Lucerne ..	87	37	66	15	24	85	17	41	372
Millet ..	344	40	161	6	35	183	172	506	1,447
All other ..	191	99	266	14	9	53	54	121	807
<b>Other—</b>									
Potatoes ..	1,980	619	1,105	29	10	53	233	1,135	5,164
Onions ..	379	..	383	14	2	47	6	22	853
Other Vegetables	1,907	39	204	120	305	788	55	173	3,591
Orchards ..	2,221	183	126	204	1,017	1,088	201	77	5,117
Vineyards ..	2	2	..	25	2,206	127	47	..	2,409
Grass and Clover Seed ..	20	40	86	17	2	41	24	6	236
Tobacco ..	..	..	..	..	..	5	82	..	*87
Flax ..	2	3	67	..	..	..	23	6	101

\* Excluding Share-farmers.

Area Cultivated  
1950-51.A summary of the area under cultivation in each County  
VICTORIA—AREA UNDER CULTIVATION

Districts and Counties.	Grain Crops.					Potatoes.	Onions.	Hay (Wheaten, Oaten, Lucerne, Grass, &c).
	Wheat.	Oats.	Barley.	Maize.	Peas.			
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
<b>Central District—</b>								
Bourke .. .. .	5,986	3,640	5,979	..	283	3,383	490	30,579
Grant .. .. .	12,623	4,638	22,805	..	3,746	7,551	709	31,473
Mornington .. .. .	..	106	19	56	318	7,328	199	30,984
Evelyn .. .. .	3	68	100	2	288	3,802	1	5,871
<b>North-Central District—</b>								
Anglesey .. .. .	324	492	98	1	183	811	..	4,430
Dalhousie .. .. .	554	465	3	..	3	2,365	..	6,974
Tabbot .. .. .	17,310	7,009	1,264	..	307	6,632	..	24,515
<b>Western District—</b>								
Grenville .. .. .	7,841	5,580	3,487	..	1,764	687	1,184	17,036
Polwarth .. .. .	104	398	1,026	..	2,517	3,241	798	8,602
Heytesbury .. .. .	61	25	68	..	80	240	7	15,614
Hampden .. .. .	8,472	6,856	2,109	..	155	313	73	20,045
Ripon .. .. .	29,338	14,353	1,981	..	61	862	2	17,363
Villiers .. .. .	455	2,117	792	5	2,515	3,029	486	23,305
Normanby .. .. .	176	738	570	..	745	660	..	17,841
Dundas .. .. .	1,015	2,989	626	..	1,304	34	..	15,417
Follett .. .. .	195	635	..	..	..	145	..	3,680
<b>Wimmera District—</b>								
Lowan .. .. .	184,715	51,078	24,210	..	..	2	..	24,007
Borung .. .. .	540,126	35,336	29,563	..	2	150	14	22,067
Kara Kara .. .. .	160,444	32,517	4,059	..	..	42	..	9,563
<b>Mallee District—</b>								
Millewa .. .. .	43,342	6,394	..	..	..	..	..	2,023
Weeah .. .. .	143,296	33,608	18,945	..	..	..	..	3,944
Karkaroc .. .. .	659,803	102,782	52,488	..	..	1	3	9,888
Tatehara .. .. .	386,720	85,989	8,446	..	..	4	3	7,441
<b>Northern District—</b>								
Gunbower .. .. .	14,588	5,606	10,983	..	..	42	..	13,877
Gladstone .. .. .	110,308	38,913	2,867	..	1	..	..	8,281
Bendigo .. .. .	89,130	21,010	4,411	..	1	18	..	15,548
Rodney .. .. .	46,695	16,467	11,667	..	29	27	9	30,217
Molra .. .. .	229,023	35,545	1,446	2	44	89	32	24,465
<b>North-Eastern District—</b>								
Delatite .. .. .	4,197	3,864	326	433	73	1,339	..	21,780
Bogong .. .. .	36,208	7,268	687	326	13	619	3	17,188
Benambra .. .. .	138	190	125	37	20	8	..	4,199
Wonnangatta .. .. .	..	7	..	34	..	5	..	568
<b>Gippsland District—</b>								
Craoingolong .. .. .	..	..	..	667	70	84	..	1,458
Tambo .. .. .	8	4	164	689	96	52	..	1,440
Dargo .. .. .	34	30	266	509	116	162	..	1,869
Tanjil .. .. .	2,229	106	5,100	1,317	141	703	2	18,756
Buln Buln .. .. .	12	394	416	11	93	8,052	133	45,146
<b>Total for State</b> .. .. .	<b>2,735,473</b>	<b>527,217</b>	<b>217,096</b>	<b>4,089</b>	<b>14,968</b>	<b>52,482</b>	<b>4,148</b>	<b>557,454</b>

of the State for the season 1950-51 is given in the following table :—  
**FOR THE SEASON 1950-51.**

Flax.	Green Fodder.	Grass and Clover for Seed.	Tobacco.	Vines.	Area Sown to Vegetables (Other than Potatoes and Onions).	Orchards.	All Other Crops.	Total Area under Crops.	Land in Fallow.	Total Area under Cultivation.
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
157	1,848	1	..	..	11,886	9,217	1,234	74,526	18,396	92,922
20	1,158	101	..	..	1,906	1,443	408	88,718	22,410	111,128
50	4,755	186	..	3	6,289	10,895	1,281	62,439	8,555	70,994
	1,053	..	..	1	2,349	6,384	584	20,556	3,012	23,568
..	551	8	..	..	29	7	11	6,945	1,822	8,767
..	995	355	..	40	11	19	125	11,909	1,307	13,216
8	2,407	1,757	..	5	42	3,011	385	64,652	13,220	77,872
59	350	232	..	..	39	196	747	39,202	4,798	44,000
93	1,594	1,887	..	..	694	114	775	21,843	1,081	22,924
	1,331	..	..	..	9	35	497	17,967	4,571	22,538
1,076	475	275	..	..	36	4	1,960	41,849	5,294	47,143
407	221	450	..	..	14	4	390	65,446	10,229	75,675
215	1,125	117	..	..	86	..	690	34,937	3,707	38,644
209	1,219	38	..	..	101	584	1,637	24,518	3,239	27,757
91	406	539	..	..	11	28	2,640	25,100	2,399	27,499
250	587	260	..	..	..	31	1,199	6,982	1,125	8,107
..	438	715	..	24	22	1,191	739	287,141	160,059	447,200
..	315	147	..	586	519	2,468	296	631,589	447,994	1,079,583
..	49	..	..	42	..	181	275	207,172	124,699	331,871
..	112	..	..	295	46	85	229	52,526	15,369	67,895
..	26	..	..	..	..	..	7,995	207,814	125,206	333,020
..	410	..	..	32,182	976	2,716	2,924	864,173	535,403	1,399,576
..	923	..	..	7,564	1,650	1,528	595	500,863	284,042	784,905
..	2,210	338	23	17	149	1,177	471	49,481	16,662	66,143
..	598	..	..	2	37	211	..	161,218	83,218	244,436
..	254	126	..	23	1,250	1,744	16	133,531	61,087	194,618
..	1,217	8	..	222	1,705	11,096	407	119,766	33,103	152,869
50	934	353	10	704	3,316	13,224	290	310,027	129,856	439,883
526	1,541	1,141	528	76	86	504	384	36,798	2,102	38,900
277	1,168	485	460	3,527	265	1,202	508	70,204	9,568	79,772
..	506	..	..	..	..	18	29	5,270	249	5,519
..	37	8	..	..	4	3	10	676	38	714
..	415	..	..	..	258	20	316	3,288	356	3,644
..	654	..	..	..	629	42	399	4,177	225	4,402
..	554	..	..	..	673	133	191	4,537	985	5,522
..	2,170	70	..	..	276	153	117	31,140	3,411	34,551
145	6,673	50	..	..	379	243	493	62,240	14,814	77,054
3,633	41,279	10,147	1,021	45,313	35,742	69,911	31,247	4,351,220	2,153,611	6,504,831

Yields of  
Principal Crops.

The table which follows shows the yields, in Counties,

## VICTORIA—YIELDS OF PRINCIPAL

Districts and Counties.	Grain Crops.					Potatoes.
	Wheat.	Oats.	Barley.	Maize.	Peas.	
	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Tons.
<b>Central District—</b>						
Bourke .. ..	92,226	72,582	118,611	..	6,975	12,373
Grant .. ..	214,919	96,990	586,819	..	58,705	21,663
Mornington .. ..	..	1,994	511	2,220	11,132	21,110
Evelyn .. ..	59	702	1,932	75	4,173	6,925
<b>North-Central District—</b>						
Anglesey .. ..	3,994	6,304	1,622	50	1,956	1,918
Dalhousie .. ..	5,357	8,023	90	..	87	6,947
Talbot .. ..	283,156	124,785	34,227	..	5,565	19,900
<b>Western District—</b>						
Grenville .. ..	150,503	115,830	102,800	..	38,127	2,015
Polwarth .. ..	888	4,415	23,383	..	54,324	11,113
Heytesbury .. ..	997	664	1,475	..	992	702
Hampden .. ..	158,498	153,007	55,228	..	1,919	467
Ripon .. ..	582,537	354,103	56,168	..	927	906
Villiers .. ..	10,617	36,618	24,776	50	25,944	5,224
Normanby .. ..	2,938	17,279	13,091	..	5,100	1,172
Dundas .. ..	13,045	45,207	13,626	..	10,382	27
Follett .. ..	1,670	7,726	..	..	..	304
<b>Wimmera District—</b>						
Lowan .. ..	3,846,558	1,002,877	514,033	..	..	7
Borong .. ..	12,228,842	630,110	621,386	..	124	234
Kara Kara .. ..	3,571,831	589,317	81,491	..	..	106
<b>Mallee District—</b>						
Millewa .. ..	367,095	66,771	..	..	..	..
Weeah .. ..	1,849,556	407,697	330,393	..	..	..
Karkaroc .. ..	10,298,193	1,419,519	873,824	..	..	4
Tatchera .. ..	7,454,854	1,551,497	180,416	..	..	9
<b>Northern District—</b>						
Gunbower .. ..	275,733	103,310	264,308	..	..	100
Gladstone .. ..	2,127,894	678,338	53,925	..	62	..
Bendigo .. ..	1,585,404	355,257	96,293	..	F	51
Rodney .. ..	920,049	306,182	305,668	..	2,328	65
Moira .. ..	4,411,011	651,355	25,764	80	806	268
<b>North-Eastern District—</b>						
Delatite .. ..	70,340	62,107	7,294	12,004	1,922	1,583
Bogong .. ..	659,909	151,102	13,094	12,378	558	1,029
Benambra .. ..	1,900	3,874	2,266	1,630	837	15
Wonnangatta .. ..	..	133	..	1,040	..	10
<b>Gippsland District—</b>						
Croajingolong .. ..	..	..	..	30,630	1,550	148
Tambo .. ..	..	19	1,932	39,874	4,703	98
Dargo .. ..	431	63	2,742	22,411	3,382	434
Tanjil .. ..	44,763	1,770	98,403	63,900	3,832	1,837
Buln Buln .. ..	162	6,478	2,488	330	3,171	20,627
<b>Total for State</b> .. ..	<b>51,235,929</b>	<b>9,034,005</b>	<b>4,510,079</b>	<b>186,672</b>	<b>249,583</b>	<b>139,391</b>

NOTE.—The letter "F" signifies that the crop was a failure.

of the principal crops for the season 1950-51:—

CROPS FOR THE SEASON 1950-51.

Onions.	Hay (Wheaten, Oaten, Lucerne, Grass, &c.).	Grass and Clover for Seed.	Tobacco.	Wine Made.	Dried Vine-Fruits.			
					Raisins.	Sultanas.	Currants.	
Tons.	Tons.	Cwt.	Cwt.	Gallons.	Tons.	Tons.	Tons.	
2,884	45,684	27	..	2,357,716	..	..	..	
2,226	50,369	72	..		..	..	..	
985	52,438	58	..		..	..	..	
3	10,704	..	..		..	..	..	
..	7,481	7	..		..	..	..	
..	10,404	585	..		..	..	..	
..	41,833	1,790	..		..	..	..	
4,838	28,165	174	..		..	..	..	
3,758	13,778	2,383	..		..	..	..	
21	27,668	..	..		..	..	..	
285	33,112	404	..		..	..	..	
10	32,634	303	..		..	..	..	
2,329	38,605	217	..		..	..	..	
..	27,353	131	..		..	..	..	
..	21,245	849	..		..	..	..	
..	5,695	15	..		..	..	..	
..	33,562	778	..		..	..	..	
58	34,054	105	..		..	..	1	
..	14,277	..	..		..	..	..	
..	1,159	..	..		..	49	165	26
..	4,355	..	..		..	..	..	..
15	10,013	..	..		..	3,183	21,294	5,777
8	11,237	..	..		..	474	2,837	275
..	19,635	571	150		..	..	..	..
..	10,473	..	..		..	..	..	..
..	20,789	229	..		..	..	..	..
25	44,019	10	..		..	1	..	..
82	38,643	907	90		..	3	..	2
..	41,704	865	3,856		..	..	..	..
14	28,871	448	4,042		..	..	..	..
..	8,272	..	..	..	..	..	..	
..	928	3	..	..	..	..	..	
..	2,557	..	..	..	..	..	..	
..	2,837	..	..	..	..	..	..	
..	3,619	..	..	..	..	..	..	
3	37,192	36	..	..	..	..	..	
688	79,131	39	..	..	..	..	..	
18,182	894,585	11,006	8,138	2,357,716	3,710	24,296	6,081	

Area Cultivated  
1951-52.A summary of the area under cultivation in each County  
VICTORIA—AREA UNDER CULTIVATION

Districts and Counties.	Grain Crops.					Potatoes.	Onions.	Hay (Wheaten, Oaten, Lucerne Grass, &c.).
	Wheat.	Oats.	Barley.	Maize.	Peas.			
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
<b>Central District—</b>								
Burke .. ..	3,408	3,183	4,966	..	163	3,045	556	34,047
Grant .. ..	7,622	4,305	15,065	..	1,171	6,218	660	35,864
Mornington .. ..	..	50	8	62	222	6,059	329	36,173
Evelyn .. ..	..	8	2	4	60	2,707	14	5,411
<b>North-Central District—</b>								
Anglesey .. ..	162	501	20	4	62	584	..	4,895
Dalhousie .. ..	167	681	11	..	4	1,936	..	6,744
Talbot .. ..	10,349	7,608	1,250	..	255	4,926	..	26,637
<b>Western District—</b>								
Grenville .. ..	2,278	3,147	1,883	..	674	566	1,256	21,813
Polwarth .. ..	33	370	647	..	778	2,649	754	10,520
Heytesbury .. ..	..	40	21	..	4	217	8	16,904
Hampden .. ..	3,773	6,226	791	..	80	199	69	26,287
Ripon .. ..	19,906	13,124	1,725	..	119	431	1	22,117
Villiers .. ..	378	2,583	318	2	1,740	2,568	812	26,790
Normanby .. ..	122	815	458	..	398	546	1	18,018
Dundas .. ..	338	4,421	179	..	670	34	..	21,016
Follett .. ..	57	211	..	..	10	198	..	3,221
<b>Wimmera District—</b>								
Lowan .. ..	175,090	66,382	17,744	..	..	10	3	26,649
Borong .. ..	523,465	56,557	29,584	..	..	117	12	26,804
Kara Kara .. ..	139,850	43,336	4,758	..	..	35	..	10,478
<b>Mallee District—</b>								
Millewa .. ..	42,662	14,369	102	..	..	..	..	2,458
Weeah .. ..	133,309	40,488	22,919	..	1	..	..	8,365
Karkaroc .. ..	629,861	142,609	49,895	..	19	22	1	10,723
Tatchera .. ..	362,223	100,786	8,880	..	5	3	2	7,389
<b>Northern District—</b>								
Gunbower .. ..	8,903	5,822	5,328	1	..	29	..	13,588
Gladstone .. ..	86,937	41,719	2,984	..	..	..	..	9,185
Bendigo .. ..	60,623	21,879	3,118	..	..	9	2	16,240
Rodney .. ..	26,458	17,930	9,105	..	..	4	14	30,877
Moira .. ..	194,118	61,446	920	1	50	92	51	31,948
<b>North-Eastern District—</b>								
Delatite .. ..	3,303	4,370	171	371	100	808	1	26,045
Bogong .. ..	26,469	10,516	525	283	13	456	4	21,460
Benambra .. ..	41	433	112	21	40	26	..	5,649
Wonnangatta .. ..	..	6	..	32	1	4	..	612
<b>Gippsland District—</b>								
Croajingolong .. ..	..	..	..	610	21	27	..	1,404
Tambo .. ..	..	20	32	845	42	50	2	1,380
Dargo .. ..	13	10	86	583	73	131	1	2,058
Tanjil .. ..	1,598	428	2,487	1,289	79	068	..	23,219
Buln Buln .. ..	58	124	130	7	163	6,734	192	52,490
<b>Total for State ..</b>	<b>2,463,574</b>	<b>676,503</b>	<b>186,224</b>	<b>4,115</b>	<b>7,017</b>	<b>42,108</b>	<b>4,745</b>	<b>640,418</b>

of the State for the season 1951-52 is given in the following table:—  
**FOR THE SEASON 1951-52.**

Flax.	Green Fodder.	Grass and Clover for Seed.	Tobacco.	Vines.	Area Sown to Vegetables (other than Potatoes and Onions).	Orchards.	All Other Crops.	Total Area under Crops.	Land in Fallow.	Total Area under Cultivation.
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
..	2,176	105	..	..	12,393	9,047	1,153	74,242	19,111	93,353
..	1,227	286	..	..	2,027	1,365	269	76,019	19,594	95,613
35	5,541	172	..	3	7,463	10,658	1,058	67,833	6,181	74,014
..	833	..	..	1	2,887	6,387	600	18,914	2,177	21,091
..	586	5	..	..	73	6	13	6,911	1,328	8,239
..	1,100	278	..	40	13	7	14	10,995	1,022	12,017
38	2,418	1,296	..	5	37	2,974	375	58,168	11,649	69,817
..	253	664	..	..	70	187	271	33,079	6,059	39,138
..	1,777	2,426	..	..	610	110	168	20,842	1,179	22,021
45	2,272	..	..	..	13	35	199	19,758	5,126	24,884
903	813	282	..	..	34	5	574	40,036	5,501	45,537
468	198	335	..	..	25	4	166	58,619	8,875	67,494
230	972	162	..	..	58	..	805	37,418	3,510	40,928
96	1,476	40	..	..	97	577	1,570	24,214	3,696	27,910
116	285	713	..	..	..	29	1,537	29,338	3,343	32,681
111	561	..	..	..	10	34	610	5,023	374	5,397
..	397	1,434	..	10	33	655	317	288,724	158,017	446,741
..	193	25	..	598	434	2,553	332	640,674	442,207	1,082,881
..	38	..	..	42	3	143	120	198,803	113,615	312,418
..	17	..	..	392	95	102	787	60,984	21,200	82,184
..	22	235	..	..	..	..	9,303	209,642	112,414	322,056
..	47	..	..	32,419	1,159	2,831	6,891	876,477	523,573	1,400,050
..	1,097	..	..	7,361	1,875	1,685	815	492,121	278,223	770,344
..	2,056	342	40	17	155	1,099	1,769	39,149	13,769	52,918
..	287	..	..	..	38	196	..	141,346	69,627	210,973
..	582	197	..	25	1,224	1,680	73	105,652	42,167	147,819
..	1,013	106	..	196	1,708	10,954	98	98,463	28,298	126,761
..	926	829	10	669	3,270	13,169	324	307,823	98,481	406,304
344	2,059	901	777	83	90	487	533	40,443	2,439	42,882
341	1,122	202	673	3,406	261	1,261	419	67,411	5,339	73,250
..	606	..	..	..	2	18	30	6,978	44	7,022
..	20	8	..	..	5	1	7	690	65	761
..	359	..	..	..	161	12	388	2,982	194	3,176
..	825	31	..	..	627	27	383	4,204	544	4,808
..	811	..	..	..	661	76	212	4,715	617	5,232
..	2,039	..	..	..	200	119	156	32,282	4,775	37,057
77	8,657	9	..	..	319	222	292	69,474	12,232	81,706
2,821	45,661	11,083	1,500	45,267	38,130	68,715	32,631	4,270,512	2,026,965	6,297,477



**Yields of  
Principal Crops.**

The table which follows shows the yields, in Counties,

**VICTORIA—YIELDS OF PRINCIPAL**

Districts and Counties.	Grain Crops.					Potatoes.
	Wheat.	Oats.	Barley.	Maize.	Peas.	
	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Tons.
<b>Central District—</b>						
Bourke .. .. .	57,837	68,563	94,182	..	3,230	11,841
Grant .. .. .	122,591	91,349	405,186	..	24,273	21,690
Mornington .. .. .	..	1,517	118	1,955	6,873	32,792
Evelyn .. .. .	..	221	30	18	1,169	13,678
<b>North-Central District—</b>						
Anglesey .. .. .	3,772	9,167	613	60	1,603	2,337
Dalhousie .. .. .	2,900	11,853	95	..	62	6,656
Talbot .. .. .	175,467	158,474	34,942	..	4,455	20,333
<b>Western District—</b>						
Grenville .. .. .	38,433	77,357	66,183	..	18,119	2,054
Polwarth .. .. .	433	8,143	23,004	..	19,084	13,954
Heytesbury .. .. .	..	790	419	..	155	846
Hampden .. .. .	73,793	148,154	19,325	..	1,426	842
Ripon .. .. .	407,159	378,334	40,699	..	2,991	1,417
Villiers .. .. .	7,833	52,443	9,361	50	40,223	11,500
Normanby .. .. .	2,391	17,146	14,557	..	7,452	2,489
Dundas .. .. .	3,321	65,832	4,605	..	11,098	127
Follett .. .. .	727	5,587	..	..	295	839
<b>Wimmera District—</b>						
Lowan .. .. .	3,834,735	1,284,246	359,600	..	..	F
Boring .. .. .	13,181,539	1,092,027	586,247	..	..	381
Kara Kara .. .. .	3,229,026	884,863	106,647	..	..	129
<b>Mallee District—</b>						
Millewa .. .. .	570,052	142,936	1,314	..	..	..
Weeah .. .. .	1,645,775	423,036	359,915	..	F	..
Karkaroo .. .. .	9,075,901	1,551,519	784,504	..	701	33
Tatchera .. .. .	6,633,418	1,469,637	170,932	..	56	7
<b>Northern District—</b>						
Gunbower .. .. .	128,396	105,162	112,809	4	..	62
Gladstone .. .. .	1,490,960	741,971	62,912	..	..	..
Bendigo .. .. .	851,115	331,652	58,103	..	..	30
Rodney .. .. .	401,817	328,921	191,889	..	..	10
Moir .. .. .	3,471,977	1,313,757	14,499	F	899	276
<b>North-Eastern District—</b>						
Delatite .. .. .	65,769	102,033	5,487	8,139	1,271	1,659
Bogong .. .. .	490,654	268,524	10,208	12,476	319	1,124
Benambra .. .. .	724	8,605	1,710	210	1,612	53
Wonnangatta .. .. .	..	107	..	900	19	11
<b>Gippsland District—</b>						
Croajingolong .. .. .	..	..	..	24,220	403	75
Tambo .. .. .	..	284	143	37,127	4,055	179
Dargo .. .. .	121	158	1,778	29,019	3,766	575
Tanjil .. .. .	25,822	6,007	75,452	53,714	3,317	2,878
Buhn Buhn .. .. .	291	885	1,608	50	5,487	27,522
<b>Total for State</b> .. .. .	<b>45,994,752</b>	<b>11,151,260</b>	<b>3,619,576</b>	<b>167,942</b>	<b>164,413</b>	<b>178,399</b>

NOTE.—The letter "F" signifies that the crop was a failure.

of the principal crops for the season 1951-52 :--

CROPS FOR THE SEASON 1951-52.

Onions.	Hay (Wheaten, Oaten, Lucerne, Grass, &c.).	Grass and Clover for Seed.	Tobacco.	Wine Made.	Dried Vine-Fruits.		
					Raisins.	Sultanas.	Currants.
Tons.	Tons.	Cwt.	Cwt.	Gallons.	Tons.	Tons.	Tons.
3,675	52,769	187	..	3,472,352	..	..	..
2,161	56,997	440	..		..	..	..
1,697	65,113	132	..		..	..	..
39	9,005	..	..		..	..	..
..	8,465	3	..		..	..	..
..	10,404	316	..		..	..	..
..	43,350	1,855	..		..	..	..
9,491	34,562	1,100	..		..	..	..
5,814	18,999	3,905	..		..	..	..
31	30,140	..	..		..	..	..
521	48,721	369	..		..	..	..
6	40,944	256	..		..	..	..
6,192	47,618	287	..		..	..	..
6	32,586	54	..		..	..	..
..	33,688	1,959	..		..	..	..
..	6,258	..	..		..	..	..
9	37,858	2,197	..		..	..	1
60	38,301	28	..		..	..	..
..	15,002	..	..		..	..	..
..	1,696	..	..		..	54	308
..	3,206	279	..	..	..	..	..
3	9,609	..	..	..	4,803	34,164	3,444
6	9,405	..	..	..	394	5,106	381
..	19,184	355	257	..	..	..	..
..	10,965	..	..	..	..	..	..
7	18,375	483	..	..	..	..	..
35	44,925	132	..	..	3	..	..
169	48,139	907	105	..	2	..	..
4	49,654	712	6,322	..	..	..	..
19	39,794	210	5,645	..	..	..	..
..	11,520	..	..	..	..	..	..
..	1,049	18	..	..	..	..	..
..	2,521	..	..	..	..	..	..
8	2,234	56	..	..	..	..	..
3	3,792	..	..	..	..	..	..
..	44,534	..	..	..	..	..	..
1,194	95,382	13	..	..	..	..	..
31,150	1,046,764	16,253	12,329	3,472,352	5,256	39,578	3,858

Area, Yield  
and Gross  
Value of  
Crops, Season  
1950-51.

The following table shows the area under, the yield from, and the gross value of each of the principal crops in Victoria for the season 1950-51:—

VICTORIA—AREA, YIELD, AND GROSS VALUE OF CROPS,  
1950-51.

Crop.	Area.	Yield.	Gross Value.(a)
Cereals for Grain—	Acres.		£
Barley—			
2 row .. .. .	196,253	4,080,473 bushels .. .. .	2,307,484
6 row .. .. .	20,843	429,606 bushels .. .. .	210,750
Maize .. .. .	4,089	186,672 bushels .. .. .	193,771
Oats .. .. .	527,217	9,034,005 bushels .. .. .	3,976,845
Rye .. .. .	13,160	68,994 bushels .. .. .	54,333
Wheat .. .. .	2,735,473	51,235,929 bushels .. .. .	29,672,498(b)
Hay—			
Barley and Rye .. .. .	907	1,255 tons .. .. .	10,697
Lucerne .. .. .	41,703	79,104 tons .. .. .	879,796
Meadow .. .. .	260,879	493,077 tons .. .. .	3,949,357
Oaten .. .. .	213,880	326,523 tons .. .. .	2,979,421
Wheaten .. .. .	35,076	54,626 tons .. .. .	487,883
Green Fodder .. .. .	41,279		155,911
Straw .. .. .		30,000 tons .. .. .	275,850
Grass and Clover Seed .. .. .	10,147	11,006 cwt. .. .. .	161,341
Industrial Crops—			
Broom Millet .. .. .	108	664 cwt. fibre .. .. .	5,160
Canary Seed .. .. .	130	438 cwt., seed .. .. .	373
Flax .. .. .	3,633	600 cwt. .. .. .	1,725
Linseed .. .. .	9,370	5,071 tons of straw .. .. .	55,023
Hops .. .. .	322	68,976 bushels .. .. .	141,228
Mustard .. .. .	248	4,002 cwt. .. .. .	113,924
Tobacco .. .. .	1,021	673 cwt. .. .. .	3,628
.. .. .		8,138 cwt. .. .. .	336,099
Vegetables—			
Onions .. .. .	4,148	18,182 tons .. .. .	571,142
Potatoes .. .. .	52,482	139,391 tons .. .. .	3,661,748
Other .. .. .	35,742	231,863 tons .. .. .	6,603,742
Stock Fodder—			
Grey and Other Field Peas .. .. .	14,968	249,583 bushels .. .. .	257,093
Pumpkins .. .. .	292	1,709 tons .. .. .	17,090
Turnips, Beet, &c. .. .. .	2,413	12,558 tons .. .. .	175,812
Vineyards—			
Grapes—			
Table .. .. .	1,673	3,995 tons .. .. .	119,850
Wine .. .. .	6,093	9,876 tons .. .. .	182,781
Drying .. .. .	34,438	Wine made, 2,357,716 gallons 140,992 tons producing .. .. .	3,071,556
.. .. .		24,297 tons of sultanas .. .. .	494,991
.. .. .		3,710 tons of raisins .. .. .	640,770
.. .. .		6,081 tons of currants .. .. .	
Vines, unproductive .. .. .	3,109		
Orchards—			
Productive .. .. .	55,850		5,353,077
Unproductive .. .. .	14,061		
All Other Crops .. .. .	5,204		594,886
Total Crops .. .. .	4,351,220		67,717,635

(a) The gross value is based on the wholesale price realized in the principal markets. The places where primary products are absorbed locally or where they become raw materials for a secondary industry are presumed to be the principal markets.

(b) Includes Flour Tax payments.

## THE GRAIN ELEVATOR SYSTEM FOR THE BULK HANDLING OF WHEAT IN VICTORIA.

The *Grain Elevator Act* 1934 provided for the handling of grain in bulk, for wheat within defined areas to be delivered to elevators, and for the constitution of the Grain Elevators Board. It also empowered the Board to borrow money to the extent that the money owing at any one time shall not exceed £2,000,000 (increased to £2,500,000 by legislation passed in 1940).

Except for the Williamstown Terminal, the construction of elevators has been completed. The scheme comprises 138 country elevators, with a total storage capacity of 14,951,000 bushels serving terminals at Geelong and Williamstown. These terminals, which have storage capacities of 4,050,000 bushels and 2,600,000 bushels respectively, are designed to receive wheat from railway trucks at the rate of 20,000 bushels per hour and to load into ships at 64,000 bushels per hour.

In addition to the elevators within the scheme nine mill silos were leased by the Board as from 1942-43 and these provided a further storage capacity of 1,688,000 bushels. The total country storage capacity was therefore increased to 16,639,000 bushels.

The Geelong section, which embraces the western portion of the State bounded on the east by the Melbourne-Mildura railway line, came into operation at the beginning of the 1939-40 season.

Receipts for the seasons 1950-51 and 1951-52 amounted to 40,591,383 and 41,849,046 bushels respectively.

The principal wheat-growing areas are in the Wimmera, Mallee, and Northern districts. In the season 1951-52 these districts were responsible for 97 per cent. of the total wheat production of the State. Although other districts provided only small proportions of the total area, they are not to be regarded as unsuitable for wheat growing, as their average yield per acre is usually greater than in the areas mentioned. The yield in 1951-52 was 45,994,752 bushels, or an average yield per acre of 18·67 bushels in comparison with an average of 18·73 bushels in 1950-51 and an average of 20·31 bushels in 1949-50. The area sown and the production of wheat for grain in different counties for each of the three seasons, 1950-52, are shown in the following table :—

**Wheat  
growing in  
counties.**

VICTORIA—WHEAT AREAS AND YIELDS IN COUNTIES  
FOR THE THREE SEASONS, 1950-52.

Districts and Counties.	Year ended March.								
	Area.			Produce.			Average per Acre.		
	1950.	1951.	1952.	1950.	1951.	1952.	1950.	1951.	1952.
	Acres.	Acres.	Acres.	Bushels.	Bushels.	Bushels.	Bus.	Bus.	Bus.
<b>Central—</b>									
Bourke ..	7,382	5,986	3,408	156,321	92,226	57,837	21·18	15·41	16·97
Grant ..	16,845	12,623	7,622	366,380	214,919	122,591	21·75	17·02	16·08
Mornington ..	1	..	..	18	..	..	18·00	..	..
Evelyn ..	..	3	..	..	59	..	..	19·66	..
<b>Total ..</b>	<b>24,228</b>	<b>18,612</b>	<b>11,030</b>	<b>522,719</b>	<b>307,204</b>	<b>180,428</b>	<b>21·57</b>	<b>16·50</b>	<b>16·36</b>
<b>North-Central—</b>									
Anglesey ..	486	324	162	9,362	3,994	3,772	19·26	12·33	23·28
Dalhousie ..	924	554	167	17,003	5,357	2,900	18·40	9·67	17·36
Talbot ..	18,685	17,310	10,349	466,306	283,156	175,467	24·96	16·36	16·95
<b>Total ..</b>	<b>20,095</b>	<b>18,188</b>	<b>10,678</b>	<b>492,671</b>	<b>292,507</b>	<b>182,139</b>	<b>24·52</b>	<b>16·08</b>	<b>17·06</b>
<b>Western—</b>									
Grenville ..	8,639	7,841	2,278	153,966	150,503	38,433	17·82	19·19	16·87
Poiwarth ..	34	104	33	444	888	439	13·06	8·54	13·12
Heytesbury ..	227	61	..	2,090	997	..	9·21	16·34	..
Hampden ..	8,080	8,472	3,773	182,112	158,498	73,793	22·54	18·70	19·56
Ripon ..	28,483	29,338	19,906	724,975	582,537	407,159	25·45	19·86	20·45
Villiers ..	559	455	378	13,753	10,617	7,833	24·60	23·33	20·72
Normanby ..	415	176	122	8,042	2,938	2,391	19·38	16·69	19·60
Dundas ..	1,146	1,015	338	17,598	13,045	3,321	15·36	12·85	9·82
Follett ..	13	195	57	157	1,670	727	12·08	8·56	12·75
<b>Total ..</b>	<b>47,596</b>	<b>47,657</b>	<b>26,885</b>	<b>1,103,137</b>	<b>921,693</b>	<b>534,090</b>	<b>23·18</b>	<b>19·34</b>	<b>19·87</b>
<b>Wimmera—</b>									
Lowan ..	195,872	184,715	175,090	5,006,749	3,846,558	3,834,735	25·56	20·82	21·90
Borong ..	550,584	540,126	523,465	14,286,237	12,228,842	13,181,539	25·95	22·64	25·18
Kara Kara ..	169,311	160,444	139,850	4,192,630	3,571,831	3,229,026	24·76	22·26	23·09
<b>Total ..</b>	<b>915,767</b>	<b>885,285</b>	<b>838,405</b>	<b>23,485,616</b>	<b>19,647,231</b>	<b>20,245,300</b>	<b>25·65</b>	<b>22·20</b>	<b>24·15</b>
<b>Mallee—</b>									
Millewa ..	54,349	43,342	42,662	443,245	367,095	570,052	8·16	8·47	13·36
Weeah ..	136,261	143,296	133,309	1,857,681	1,849,556	1,645,775	13·63	12·31	12·36
Karkaroc ..	639,206	659,803	629,861	9,960,017	10,298,193	9,075,901	15·58	15·61	14·41
Tatchera ..	405,974	386,720	362,223	7,606,483	7,454,854	6,633,418	18·74	19·26	18·31
<b>Total ..</b>	<b>1,235,790</b>	<b>1,233,161</b>	<b>1,168,055</b>	<b>19,867,426</b>	<b>19,969,698</b>	<b>17,925,146</b>	<b>16·08</b>	<b>16·19</b>	<b>15·35</b>

VICTORIA—WHEAT AREAS AND YIELDS IN COUNTIES FOR THE THREE SEASONS, 1950-52—*continued.*

Districts and Counties.	Year ended March.								
	Area.			Produce.			Average per Acre.		
	1950.	1951.	1952.	1950.	1951.	1952.	1950.	1951.	1952.
	Acres.	Acres.	Acres.	Bushels.	Bushels.	Bushels.	Bus.	Bus.	Bus.
Northern—									
Gunbower ..	17,709	14,588	8,903	377,479	275,733	128,396	21.32	18.90	14.42
Gladstone ..	122,318	110,308	86,937	2,642,467	2,127,894	1,430,900	21.60	19.28	17.15
Bendigo ..	98,058	89,130	60,623	1,907,819	1,585,404	851,115	19.46	17.79	14.04
Rodney ..	47,303	46,695	26,458	1,060,355	920,049	401,817	22.42	19.70	15.19
Moira ..	253,996	229,025	194,118	5,109,329	4,411,011	3,471,977	20.12	19.26	17.89
Total ..	539,384	489,744	377,039	11,097,449	9,320,091	6,344,265	20.57	19.03	16.83
North-Eastern—									
Delatite ..	5,788	4,197	3,303	76,717	70,340	65,769	13.25	16.76	19.91
Bogong ..	36,066	36,208	26,469	714,563	659,909	490,657	19.81	18.22	18.54
Benambra ..	202	138	41	2,630	1,900	724	13.02	13.77	17.66
Wonnangatta ..	..	..	..	..	..	..	..	..	..
Total ..	42,056	40,543	29,813	793,910	732,149	557,150	18.88	18.06	18.69
Gippsland—									
Croajingolong ..	..	..	..	..	..	..	..	..	..
Tambo ..	8	8	..	217	F	..	27.13	..	..
Dargo ..	46	34	13	405	431	121	8.80	12.68	9.31
Tanjil ..	3,263	2,229	1,598	69,901	44,763	25,822	21.42	20.08	16.16
Buln Buln ..	40	12	58	384	162	291	9.60	13.50	5.02
Total ..	3,357	2,283	1,669	70,907	45,356	26,234	21.12	19.86	15.72
Total (State)	2,828,273	2,735,473	2,463,574	57,433,835	51,235,929	45,994,752	20.31	18.73	18.67

NOTE—The letter "F" signifies that crop was a failure.

The production of wheat in the other Australian States in 1951-52 was as follows:—New South Wales, 39,689,000 bushels; South Australia, 27,301,000 bushels; Western Australia, 40,000,000 bushels; Queensland, 6,632,000 bushels; and Tasmania, 94,000 bushels. The total production for the Commonwealth was 159,725,000 bushels.

In the following table the average yield per acre in each of the main wheat growing counties for the seasons 1940-41 to 1951-52 is shown in conjunction with the approximate mean rainfall recorded each month. The rainfall during the growing season is shown separately to indicate its effect on wheat production. While the table is useful as a general reference in respect of the relationship of wheat yields to rainfall, it should be remembered that temperatures, winds, and other factors such as the extent to which fallowing, rotational cropping, and fertilizing are practised have also considerable effect on average yields, as do also the varieties of wheat used.

# VICTORIA—RAINFALL AND AVERAGE WHEAT YIELD PER ACRE IN WHEAT-GROWING COUNTIES FOR THE SEASONS 1940-41 TO 1951-52.

County and Year.	Approximate Mean Rainfall each Month.											Dec.	Total for Year.	Total Wheat-growing Period.	Average Wheat Yield per Acre.	
	Jan.	Feb.	Mar.	April.	May.	Wheat-growing Months.										
						June.	July.	Aug.	Sept.	Oct.	Nov.					
Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Bushels.	
Lowan—																
1940 ..	85	16	30	257	115	67	200	82	92	72	177	109	1,302	690	14-01	
1941 ..	436	29	223	171	56	174	317	117	313	146	77	41	2,100	1,144	21-13	
1942 ..	87	88	38	117	385	306	266	335	282	242	184	59	2,389	1,615	23-76	
1943 ..	57	123	18	163	85	206	227	242	256	109	95	52	1,633	1,135	22-60	
1944 ..	39	62	26	161	213	45	122	19	66	189	77	139	1,158	518	4-88	
1945 ..	74	224	18	11	148	180	124	307	134	199	155	104	1,678	1,099	11-80	
1946 ..	293	447	359	57	123	221	421	174	120	90	76	190	2,571	1,102	24-63	
1947 ..	28	149	317	17	82	272	408	232	212	304	200	317	2,638	1,628	17-24	
1948 ..	17	65	22	425	165	226	151	173	141	368	181	199	2,134	1,240	23-60	
1949 ..	74	311	33	14	202	74	138	75	139	314	258	17	1,649	998	25-66	
1950 ..	13	175	261	96	329	90	120	165	227	114	81	65	1,736	797	20-82	
1951 ..	77	170	16	170	337	224	270	287	79	306	71	161	2,168	1,237	21-90	
Borong—																
1940 ..	69	9	15	236	70	38	147	50	88	48	145	97	1,012	516	6-35	
1941 ..	343	28	180	126	44	218	259	103	322	165	133	45	1,966	1,200	23-46	
1942 ..	93	55	44	142	356	262	179	360	222	237	198	51	2,199	1,458	28-26	
1943 ..	68	90	16	119	78	150	178	200	184	102	42	38	1,265	856	15-65	
1944 ..	53	61	22	143	178	27	142	7	52	142	69	156	1,052	439	1-69	
1945 ..	67	227	18	10	87	251	161	268	93	125	134	49	1,490	1,032	10-27	
1946 ..	291	359	273	70	134	200	296	139	102	77	81	111	2,133	895	20-09	
1947 ..	19	112	300	90	47	215	288	168	169	311	181	228	2,128	1,332	19-38	
1948 ..	15	40	10	265	157	233	150	88	127	401	116	189	1,791	1,115	25-86	
1949 ..	31	310	67	11	170	65	181	60	160	336	192	21	1,604	994	25-95	
1950 ..	6	321	279	146	331	66	156	153	224	148	113	70	2,013	860	22-64	
1951 ..	58	219	26	131	240	234	267	245	65	270	45	106	1,906	1,126	25-18	
Kara Kara—																
1940 ..	83	12	16	197	42	49	157	43	135	47	81	84	946	512	2-73	
1941 ..	306	34	167	90	33	189	265	155	326	192	176	49	1,982	1,303	24-13	
1942 ..	100	50	77	99	373	260	188	371	214	240	181	44	2,197	1,454	24-18	
1943 ..	79	96	14	104	81	146	203	193	187	84	52	31	1,270	865	12-87	
1944 ..	37	37	52	165	178	26	162	10	63	131	57	135	1,053	449	0-86	
1945 ..	49	107	13	8	85	318	182	254	95	133	135	33	1,412	1,117	10-84	
1946 ..	330	340	256	87	129	185	261	138	91	110	93	141	2,161	878	19-49	
1947 ..	11	118	317	93	48	234	298	176	157	378	169	228	2,227	1,412	18-39	
1948 ..	40	64	9	195	148	203	158	94	118	358	103	97	1,587	1,034	21-28	
1949 ..	28	316	146	11	159	77	201	58	146	337	258	22	1,759	1,077	24-76	
1950 ..	5	340	319	149	323	72	200	192	291	189	135	77	2,292	1,079	22-26	
1951 ..	68	323	12	134	269	274	279	259	46	319	45	83	2,111	1,222	23-09	

VICTORIA—RAINFALL AND AVERAGE WHEAT YIELD PER ACRE IN WHEAT-GROWING COUNTIES FOR THE SEASONS 1940-41 TO 1951-52—*continued.*

County and Year.	Approximate Mean Rainfall each Month.												Total for Year.	Total Wheat-growing Period.	Average Wheat Yield per Acre.
	Jan.	Feb.	Mar.	April.	Wheat-growing Months.						Nov.	Dec.			
					May.	June.	July.	Aug.	Sept.	Oct.					
Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Bushels.	
<b>Millewa—</b>															
1940 ..	34	7	4	131	22	10	64	34	89	22	54	34	505	241	0-42
1941 ..	284	9	49	10	18	154	140	101	90	157	92	35	1,139	660	9-28
1942 ..	19	43	9	121	174	178	112	179	36	211	45	29	1,156	890	11-16
1943 ..	7	36	3	38	23	33	43	93	81	52	59	66	554	325	0-01
1944 ..	35	15	5	18	198	13	58	14	13	65	74	74	485	264	0-04
1945 ..	4	12	4	1	56	176	82	39	39	142	65	69	739	584	3-97
1946 ..	125	213	88	48	80	131	153	40	22	38	187	91	1,221	464	3-45
1947 ..	13	211	250	30	2	107	123	92	106	153	84	185	1,306	588	3-15
1948 ..	9	2	1	143	60	140	69	76	23	186	62	80	851	554	5-94
1949 ..	34	103	57	10	262	27	69	20	136	181	47	12	958	695	8-16
1950 ..	..	434	369	15	113	31	88	72	70	123	109	48	1,472	497	8-47
1951 ..	29	23	13	76	128	331	102	154	83	104	11	12	1,066	902	13-36
<b>Weeah—</b>															
1940 ..	45	17	12	246	35	13	84	40	118	25	62	72	769	315	5-31
1941 ..	275	12	100	51	23	225	171	64	198	194	82	32	1,427	875	13-80
1942 ..	66	32	13	103	186	187	158	220	123	129	139	33	1,389	1,003	13-96
1943 ..	41	70	8	85	35	101	83	132	107	151	82	62	957	609	7-84
1944 ..	35	15	22	57	143	8	92	7	35	79	71	101	665	364	2-53
1945 ..	10	64	6	5	77	198	88	126	77	135	90	86	962	701	6-10
1946 ..	147	306	154	36	77	127	140	105	51	45	105	70	1,363	545	10-36
1947 ..	3	180	196	38	35	103	181	139	135	183	132	179	1,504	776	8-68
1948 ..	4	29	5	195	106	159	104	68	47	313	131	144	1,305	797	11-84
1949 ..	20	112	28	3	163	29	88	30	167	262	87	12	1,001	739	13-63
1950 ..	1	382	304	51	249	60	77	86	168	101	109	57	1,645	741	12-31
1951 ..	66	51	14	47	121	281	152	199	47	155	13	74	1,220	955	12-36
<b>Karkaroc—</b>															
1940 ..	48	15	8	151	26	11	67	34	153	16	74	55	658	307	2-73
1941 ..	239	15	73	23	21	139	159	64	163	162	117	39	1,214	708	12-90
1942 ..	40	37	20	110	216	199	140	224	75	165	130	26	1,382	1,019	15-42
1943 ..	34	42	5	61	38	88	88	133	99	94	56	35	773	540	7-13
1944 ..	22	15	8	95	121	7	74	7	29	73	71	88	610	311	1-14
1945 ..	20	51	6	4	55	239	85	136	42	148	74	54	914	705	5-69
1946 ..	213	275	101	29	134	133	131	92	33	44	115	68	1,368	567	9-18
1947 ..	6	176	221	55	24	117	168	108	98	195	159	145	1,472	710	10-51
1948 ..	6	21	2	133	96	155	67	38	42	285	94	91	1,030	683	10-32
1949 ..	27	181	89	10	251	27	113	30	121	246	90	12	1,197	788	15-58
1950 ..	1	373	341	33	195	55	106	82	120	139	123	62	1,630	697	15-61
1951 ..	49	68	5	54	168	244	147	170	42	141	22	36	1,146	912	14-41

*Land Settlement, &c.*



VICTORIA—RAINFALL AND AVERAGE WHEAT YIELD PER ACRE IN WHEAT-GROWING COUNTIES FOR THE SEASONS 1940-41 TO 1951-52—*continued.*

County and Year.	Approximate Mean Rainfall each Month.												Total for Year.	Total Wheat-growing Period.	Average Wheat Yield per Acre.
	Jan.	Feb.	Mar.	April.	Wheat-growing Months.						Nov.	Dec.			
					May.	June.	July.	Aug.	Sept.	Oct.					
Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Bushels.
<b>Tatchera—</b>															
1940 ..	48	15	11	130	15	22	84	40	187	9	62	28	651	357	1·61
1941 ..	211	19	69	13	27	77	175	62	168	137	120	32	1,110	646	8·42
1942 ..	41	89	48	93	219	213	119	230	59	134	142	32	1,419	974	15·19
1943 ..	15	36	4	63	27	90	88	121	93	107	43	28	715	526	4·42
1944 ..	20	9	11	117	119	10	70	5	26	75	68	106	636	305	0·14
1945 ..	17	28	13	..	54	276	95	162	39	219	112	44	1,059	845	6·44
1946 ..	271	313	99	28	132	145	124	105	27	50	120	75	1,489	583	9·35
1947 ..	15	159	237	49	25	127	174	96	105	228	172	137	1,524	755	11·44
1948 ..	9	55	2	107	118	130	55	29	64	279	79	94	1,021	675	8·88
1949 ..	15	155	253	22	231	46	159	32	106	278	116	9	1,422	852	18·74
1950 ..	1	344	373	63	208	81	137	83	140	178	139	50	1,797	827	19·26
1951 ..	59	132	5	84	240	289	167	190	23	96	34	20	1,339	1,005	18·31
<b>Gunbower—</b>															
1940 ..	35	10	14	155	10	29	112	36	199	18	76	62	756	404	1·28
1941 ..	300	13	95	12	35	98	236	58	158	123	69	22	1,219	708	12·42
1942 ..	65	76	142	54	252	191	146	249	96	138	106	35	1,550	1,072	14·72
1943 ..	88	32	7	66	46	78	105	79	94	91	50	34	770	493	3·72
1944 ..	31	13	33	138	156	19	89	4	26	85	66	88	748	379	0·93
1945 ..	54	56	22	2	43	209	124	215	49	175	122	37	1,108	815	7·95
1946 ..	227	338	77	34	109	112	131	85	29	67	148	39	1,396	533	6·95
1947 ..	10	116	205	52	21	89	253	118	130	304	144	232	1,674	915	12·10
1948 ..	13	86	1	149	147	189	71	31	74	259	89	104	1,213	771	9·39
1949 ..	20	233	314	24	120	85	183	49	146	381	196	17	1,768	964	21·32
1950 ..	2	180	543	107	202	89	153	91	191	180	161	70	1,969	906	18·90
1951 ..	110	359	..	58	262	312	170	185	17	94	33	33	1,633	1,040	14·42
<b>Gladstone—</b>															
1940 ..	73	21	18	173	24	45	122	41	187	31	52	60	847	450	2·42
1941 ..	270	34	143	60	27	147	226	109	238	190	123	34	1,601	937	19·51
1942 ..	74	57	78	68	358	261	168	335	156	173	198	35	1,961	1,451	19·93
1943 ..	88	54	10	89	62	120	199	158	134	87	50	36	1,087	760	10·97
1944 ..	21	26	34	149	154	23	129	9	46	106	48	83	828	467	1·01
1945 ..	47	110	18	4	100	345	165	250	83	130	132	29	1,413	1,073	11·77
1946 ..	290	305	140	67	129	152	222	111	60	96	116	86	1,774	770	14·30
1947 ..	4	102	292	82	37	190	297	147	150	347	169	200	2,017	1,168	16·55
1948 ..	35	138	4	135	160	194	118	65	90	342	113	130	1,524	969	16·05
1949 ..	20	304	276	9	151	60	165	46	136	349	289	22	1,827	907	21·60
1950 ..	6	372	406	141	297	68	214	176	246	206	140	76	2,348	1,207	19·28
1951 ..	66	325	2	91	281	311	241	252	34	198	51	47	1,899	1,317	17·15

VICTORIA—RAINFALL AND AVERAGE WHEAT YIELD PER ACRE IN WHEAT-GROWING COUNTIES FOR THE SEASONS 1940-41 TO 1951-52—*continued.*

County and Year.	Approximate Mean Rainfall each Month.											Total for Year.	Total Wheat-growing Period.	Average Wheat Yield per Acre.	
	Jan.	Feb.	Mar.	April.	Wheat-growing Months.						Nov.				Dec.
					May.	June.	July.	Aug.	Sept.	Oct.					
	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Points.	Bushels.	
<b>Bendigo—</b>															
1940 ..	49	24	27	186	24	51	145	38	196	26	50	56	872	480	3-92
1941 ..	245	31	157	41	23	121	208	59	211	153	120	28	1,397	775	16-63
1942 ..	82	130	133	70	352	242	152	293	116	232	155	25	1,982	1,387	18-32
1943 ..	150	41	5	76	55	96	167	101	130	119	57	38	1,035	668	9-39
1944 ..	30	23	29	155	177	15	107	10	31	94	45	78	794	434	1-31
1945 ..	63	81	19	2	71	267	161	266	66	151	101	32	1,280	982	12-07
1946 ..	197	294	102	76	114	113	199	88	34	99	131	85	1,532	647	12-20
1947 ..	3	91	225	53	29	126	263	130	157	331	118	234	1,762	1,036	16-31
1948 ..	20	209	1	172	174	221	119	40	81	250	97	125	1,509	885	15-26
1949 ..	21	361	333	14	100	54	180	49	153	438	387	25	2,115	974	19-46
1950 ..	7	298	517	194	220	76	192	124	264	194	180	88	2,354	1,070	17-79
1951 ..	81	589	3	87	304	340	199	205	18	138	52	44	2,060	1,204	14-04
<b>Rodney—</b>															
1940 ..	24	481	48	191	47	50	167	55	204	32	52	89	975	555	4-69
1941 ..	516	16	234	28	85	113	226	73	169	159	114	47	1,792	825	20-19
1942 ..	87	28	166	70	371	213	180	293	120	208	117	55	2,140	1,385	17-99
1943 ..	168	260	4	100	73	127	169	136	164	116	64	24	1,179	785	13-58
1944 ..	13	34	47	165	231	42	126	2	35	114	63	82	948	550	1-80
1945 ..	146	28	12	4	66	244	173	322	85	217	141	34	1,496	1,107	14-40
1946 ..	264	52	121	89	94	139	222	114	33	121	188	71	1,828	723	16-32
1947 ..	14	372	225	72	44	132	303	171	208	357	120	339	2,083	1,215	17-71
1948 ..	25	98	.	218	180	279	147	54	114	234	126	145	1,774	1,008	19-15
1949 ..	29	252	354	29	108	79	239	64	177	550	479	36	2,426	1,217	22-42
1950 ..	6	282	831	199	194	70	170	119	218	190	116	106	2,427	961	19-70
1951 ..	123	370	2	121	341	391	247	228	28	194	57	57	2,159	1,429	15-19
<b>Moir—</b>															
1940 ..	24	5	19	260	65	55	159	64	224	35	74	127	1,111	602	8-99
1941 ..	539	46	432	18	81	155	243	76	156	150	99	56	2,051	861	23-07
1942 ..	108	176	143	82	355	236	143	255	102	177	237	69	2,083	1,268	18-76
1943 ..	140	32	12	129	72	114	153	154	168	126	58	12	1,170	787	12-72
1944 ..	5	16	52	163	270	51	129	2	36	100	86	148	1,058	588	2-22
1945 ..	222	31	4	17	55	264	164	298	92	252	180	34	1,613	1,125	15-97
1946 ..	216	442	137	91	98	150	267	133	33	113	236	60	1,976	794	14-88
1947 ..	20	117	263	52	48	155	342	185	185	284	122	348	2,121	1,199	18-39
1948 ..	18	193	1	173	213	253	106	66	129	243	208	223	1,831	1,010	18-05
1949 ..	51	175	326	43	171	120	163	52	173	484	352	23	2,133	1,163	20-12
1950 ..	6	294	691	160	176	92	166	91	188	237	145	80	2,326	950	19-26
1951 ..	121	288	8	151	302	318	271	229	68	208	65	46	2,075	1,396	17-89

Land Settlement, &c.

The following statement shows the areas under the principal varieties of wheat, including wheat for hay, for the seasons 1949-50, 1950-51, and 1951-52. Varieties are tabulated in order of popularity for the last-mentioned season. The percentages shown indicate the fluctuation which has taken place amongst the popular varieties.

Over 100 varieties of wheat were sown. The number which was tried in the Mallee greatly exceeded that experimented with in any other district. A more extended list showing the area and percentage of each variety, and the ten principal varieties grown in the wheat-growing districts, may be obtained on application to the Government Statist :--

VICTORIA—VARIETIES OF WHEAT SOWN IN EACH OF THE SEASONS, 1949-50, 1950-51, AND 1951-52.

Variety (in order of Popularity, Season 1951-52).	1949-50.		1950-51.		1951-52.	
	Area Sown.	Percentage of Total Area Sown.	Area Sown.	Percentage of Total Area Sown.	Area Sown.	Percentage of Total Area Sown.
	Acres.		Acres.		Acres.	
Quadrat .. ..	1,286,262	44·86	1,060,354	38·27	908,529	36·36
Insignia .. ..	601,093	20·96	623,492	22·50	758,886	30·37
Pinnacle .. ..	229,952	8·02	416,657	15·04	394,373	15·79
Bencubbin .. ..	191,484	6·68	195,485	7·06	116,704	4·67
Magnet .. ..	165,945	5·79	171,990	6·21	99,571	3·99
Baldmin .. ..	36,534	1·27	42,956	1·55	44,497	1·78
Gabo .. ..	15,175	0·53	18,691	0·68	37,900	1·52
Pindar .. ..	85,681	2·99	56,122	2·03	34,749	1·39
Diadem .. ..	68,695	2·40	55,373	2·00	24,368	0·98
Ghurka .. ..	83,761	2·92	42,282	1·52	22,109	0·88
Koordka .. ..	757	0·03	6,746	0·24	7,180	0·29
Rancee .. ..	31,907	1·11	16,589	0·60	5,499	0·22
Bungulla .. ..	2,085	0·07	6,202	0·22	4,596	0·18
Regalia .. ..	22,968	0·80	11,520	0·42	4,262	0·17
Glucub .. ..	5,393	0·19	6,417	0·23	3,718	0·15
Celebration .. ..	..	..	1,004	0·04	2,581	0·10
Kendee .. ..	..	..	823	0·03	2,301	0·09
Bobin .. ..	5,151	0·18	4,189	0·15	1,966	0·08
Warigo .. ..	606	0·02	649	0·02	1,880	0·08
Rajah .. ..	6,491	0·23	5,154	0·19	1,478	0·06
Dundee .. ..	5,470	0·19	2,520	0·09	1,476	0·06
Gluyas .. ..	877	0·03	643	0·02	1,367	0·05
Turvey .. ..	2,933	0·10	2,416	0·09	1,151	0·05
Sepoy .. ..	3,578	0·12	3,122	0·11	855	0·04
Javelin .. ..	872	0·03	205	0·01	824	0·04
Dirk .. ..	10	..	169	..	823	0·03
Bordan .. ..	305	0·01	450	0·02	822	0·03
Blue Stem .. ..	1,405	0·05	1,168	0·04	814	0·03
Javelin 48 .. ..	..	..	..	..	712	0·03
Eureka .. ..	298	0·01	318	0·01	583	0·02
All other varieties ..	11,612	0·41	16,893	0·61	11,784	0·47
Total .. ..	2,867,300	100·00	2,770,549	100·00	2,498,538	100·00

It will be noted from the foregoing statement that changes have occurred in the leading varieties during the seasons shown. Free Gallipoli became the leading variety in Victoria in 1929-30, and continued as such until the season 1934-35, when it was superseded by Ghurka. This variety continued as the most popular until it was displaced by Quadrat at the 1946 sowing. Quadrat increased in favour until in the season 1948-49, 47·20 per cent. of wheat sown was of that variety. Due to the rapid headway made by the varieties Insignia and Pinnacle, which were only released from the Werribee Research Station in 1946 and 1947, the percentage of area sown with Quadrat has commenced to decline and was 36·66 in the 1951-52 season.

Many changes have also taken place in the leading varieties of wheat in other Australian wheat-growing States during recent years. In New South Wales, Bencubbin and Gabo are now the leading varieties. In South Australia the area sown with Gabo was only ·05 per cent. of the total area sown in 1947-48, but the area now sown with this variety amounts to 20·58 per cent., of the total area sown. In Western Australia, Bungulla, Bencubbin, and Gluclub occupy 63 per cent. of the area. Nabawa, which was the leading variety with 47 per cent. of the area sown in 1929 has now declined to twentieth place with less than 1 per cent. of the area sown:—

#### PRINCIPAL VARIETIES OF WHEAT SOWN IN AUSTRALIAN STATES, 1951-52.

New South Wales.		Victoria.		South Australia.		Western Australia.	
Variety.	Per-centage of Total Area.	Variety.	Per-centage of Total Area.	Variety.	Per-centage of Total Area.	Variety.	Per-centage of Total Area.
Bencubbin ..	34·50	Quadrat ..	36·36	Gabo ..	20·58	Bungulla ..	27·92
Gabo ..	13·00	Insignia ..	30·37	Bencubbin ..	15·08	Bencubbin ..	23·98
Kendee ..	7·78	Pinnacle ..	15·79	Warigo ..	6·10	Gluclub ..	11·09
Celebration	6·53	Bencubbin ..	4·67	Scimitar ..	4·93	Kondut ..	10·96
Ford ..	5·87	Magnet ..	3·99	Dirk ..	4·00	Wongoody	4·27
Charter ..	5·39	Baldmin ..	1·78	Quadrat ..	4·00	Eureka ..	3·25
Bordian ..	4·00	Gabo ..	1·52	Reldep ..	3·97	Koorda ..	3·22
Koala ..	2·36	Pindar ..	1·39	Waratah ..	3·42	Ranee ..	1·97
Quadrat ..	2·31	Diadem ..	0·98	Marathon ..	3·21	Gabo ..	1·74
Magnet ..	1·86	Ghurka ..	0·88	Javelin ..	2·70	Regalia ..	1·26
All others ..	16·40	All others ..	2·27	All others ..	32·01	All others ..	10·34
Total ..	100·00		100·00		100·00		100·00

NOTE.—Varieties of wheat in Victoria in 1952-53 were:—Insignia 38·27 per cent.; Quadrat 32·05 per cent.; Pinnacle 17·81 per cent.; Magnet 2·75 per cent.; Bencubbin 2·42 per cent.; Gabo 1·65 per cent.; Baldmin 1·30 per cent.

**Wheat Growing in conjunction with Sheep Grazing and Dairying.**

For the season 1947-48, statistics showing the extent to which mixed farming was practised in conjunction with wheat growing were compiled in respect of each State in the Commonwealth. The tabulations were prepared by the Commonwealth Statistician from data prepared by each State.

An analysis of the tables for the State of Victoria for that season discloses that wheat for grain was grown on 13,836 holdings, and the area sown with wheat for grain 3,227,162 acres. On 10,526 holdings, or 76.1 per cent. of the total growing wheat for grain, there were 6,114,977 sheep, or 34.1 per cent. of the State's total of 17,931,173 sheep at 31st March, 1948.

On 10,827 of the holdings growing wheat for grain, or 78.3 per cent. of the total, there were 126,078 dairy cattle at 31st March, 1948. Pigs numbering 42,801 were held on 3,198 holdings which also grew wheat for grain.

The following table shows, the total area of holdings growing wheat for grain with particulars of wheat growing, sheep, dairy cattle, and pigs thereon:—

**VICTORIA—HOLDINGS GROWING WHEAT FOR GRAIN TOGETHER WITH SHEEP, DAIRY CATTLE, AND PIGS THEREON, SEASON 1947-48.**

Area under Wheat for Grain.	Holdings Growing Wheat.		Sheep.		Dairy Cattle.		Pigs.	
	Number.	Total Area under Wheat.	Holdings With.	Total.	Holdings With.	Total.	Holdings With.	Total.
Acres.		Acres.	No.	No.	No.	No.	No.	No.
1- 19	1,133	11,250	767	472,472	1,043	25,620	402	7,109
20- 49	1,295	41,216	966	624,595	1,080	20,547	334	6,187
50- 99	1,750	124,510	1,332	844,231	1,340	18,920	357	6,563
100- 199	3,164	448,128	2,372	1,328,432	2,322	23,459	662	9,084
200- 299	2,314	544,665	1,726	889,242	1,756	14,554	518	5,217
300- 399	1,646	540,386	1,269	621,127	1,238	9,235	366	3,489
400- 499	994	422,612	794	456,467	781	5,074	214	1,624
500- 599	523	276,117	432	252,356	426	2,810	102	813
600- 699	403	251,335	328	178,485	317	2,208	80	1,057
700- 799	216	157,119	185	126,805	182	1,279	53	437
800- 899	150	123,955	133	101,122	131	903	46	498
900- 999	92	85,725	79	67,224	76	465	27	331
1,000-1,999	149	184,429	136	142,637	128	924	36	355
2,000 and over ..	7	15,715	7	9,782	7	80	1	37
Total ..	13,836	3,227,162	10,526	6,114,977	10,827	126,078	3,198	42,801

**Seed and Fertilizers used on Wheat Areas (grain and hay), 1951-52.**

The total seed wheat used for grain and hay areas amounted to 2,728,596 bushels, and estimated total fertilizers to 72,462 tons. The average rate of sowing in the principal wheat-growing counties ranged from 44 lb. of seed per acre in the County of Millewa to 88 lb. in Grant.

**SEE AND FERTILIZERS USED ON WHEAT AREAS  
SEASON 1951-52.  
(GRAIN AND HAY.)**

District.	Area Sown.	Seed Used.		Fertilizers Used. (Estimated).
		Per Acre.	Total.	
	Acres.	lb.	Bushels.	Tons.
Central .. ..	14,636	88	21,466	609
North-Central .. ..	12,118	85	17,281	455
Western .. ..	2,412	86	42,157	1,306
Wimmera .. ..	853,822	73	1,038,817	27,548
Mallee .. ..	1,170,045	57	1,111,543	28,447
Northern .. ..	385,418	71	456,173	12,847
North-Eastern .. ..	30,882	75	38,603	1,151
Gippsland .. ..	2,045	75	2,556	99
<b>Total State ..</b>	<b>2,498,538</b>	<b>66</b>	<b>2,728,596</b>	<b>72,462</b>

**Fallow.** The large area of land fallowed for the next season's cropping operations is a feature of the three wheat-growing districts. Of the 2,153,611 acres in fallow during the season 1950-51, 960,020 were in the Mallee, 732,752 in the Wimmera, and 323,926 in the Northern districts. The total area of fallow in these three districts—2,016,698 acres—represented 94 per cent. of the land fallowed in the State.

The following table shows the acreage in fallow in various years, together with the area sown to wheat in each succeeding season:—

VICTORIA—LAND IN FALLOW AND WHEAT SOWN.

Season.		Land in Fallow.	Season.		Area Sown to Wheat.
		Acres.			Acres.
1901-02	.. ..	681,778	1902-03	.. ..	2,155,928
1911-12	.. ..	1,469,608	1912-13	.. ..	2,471,586
1921-22	.. ..	2,052,964	1922-23	.. ..	2,857,533
1931-32	.. ..	2,145,819	1932-33	.. ..	3,320,504
1938-39	.. ..	2,543,225	1939-40	.. ..	2,923,027
1939-40	.. ..	2,377,405	1940-41	.. ..	2,769,580
1940-41	.. ..	1,887,418	1941-42	.. ..	2,889,853
1941-42	.. ..	2,101,360	1942-43	.. ..	2,212,915
1942-43	.. ..	1,660,171	1943-44	.. ..	1,864,895
1943-44	.. ..	1,719,363	1944-45	.. ..	2,246,217
1944-45	.. ..	1,694,097	1945-46	.. ..	3,365,558
1945-46	.. ..	2,394,032	1946-47	.. ..	3,566,489
1946-47	.. ..	2,460,350	1947-48	.. ..	3,279,182
1947-48	.. ..	2,527,306	1948-49	.. ..	3,033,395
1948-49	.. ..	2,343,685	1949-50	.. ..	2,867,390
1949-50	.. ..	2,429,888	1950-51	.. ..	2,770,549
1950-51	.. ..	2,153,611	1951-52	.. ..	2,498,538

**Wheat standard.**

The weight of an imperial bushel of wheat is 60 lb., but the actual weight of a bushel of Victorian wheat of fair average quality standard is determined annually by the

Chamber of Commerce.

The following table shows the standard determined in Victoria for each of the ten seasons, 1943-44 to 1952-53 :—

Season.			Weight of Bushel of Wheat, f.a.q.	Season.			Weight of Bushel of Wheat, f.a.q.
			lb.				lb.
1943-44	..	..	65	1948-49	..	..	63
1944-45	..	..	63½	1949-50	..	..	64
1945-46	..	..	62½	1950-51	..	..	62½
1946-47	..	..	63½	1951-52	..	..	64
1947-48	..	..	60½	1952-53	..	..	64½

**Farmers Growing Wheat for Grain.**

The following statement shows the number of farmers engaged in the growing of wheat for grain :—

VICTORIA—NUMBER OF HOLDINGS WITH TWENTY OR MORE ACRES OF WHEAT FOR GRAIN, SEASONS 1946-47 TO 1951-52.

1946-47.	1947-48.	1948-49.	1949-50.	1950-51.	1951-52.
13,155	12,703	12,105	11,491	11,203	10,076

**Oats.**

Oats may be cut for hay, stripped for grain or fed off to stock. The proportion of the oat crop used for each of the above purposes varies according to seasonal conditions. Oats as hay or grain form a very suitable fodder reserve on Mallee farms. For many years past, increasing areas of oats have been sown with the object of providing feed for sheep during the winter and early spring months. Some varieties of oats show high powers of recovery, particularly for a grain yield, after such grazing. More than 40 varieties are generally sown, but Algerian, with 51 per cent., Orient, with 19 per cent., and Algeribee, with 12 per cent. of the area predominate. The area harvested (season 1950-51) for hay was 218,889 acres, and for grain 527,217 acres, which produced 326,523 tons of hay, and 9,034,005 bushels of grain respectively. The area of oats sown for grazing purposes amounted to 141,222 acres. The figures for the 1951-52 season were:—Hay, 214,427 acres (311,759 tons), grain, 676,503 acres (11,151,260 bushels), and for grazing, 193,064 acres.



Particulars of areas harvested and production of the several kinds of hay appear in the following table:—

VICTORIA—HAY PRODUCTION, 1949-50 TO 1951-52.

Kind.	Area.	Production.		Average Yield.
		Acres.	Tons.	Tons.
Wheaten .. .. .	{ 1949-50	39,117	60,378	1.54
	{ 1950-51	35,076	54,626	1.56
	{ 1951-52	34,964	51,760	1.48
Oaten .. .. .	{ 1949-50	272,100	412,509	1.52
	{ 1950-51	218,889	326,523	1.49
	{ 1951-52	214,427	311,759	1.45
Lucerne .. .. .	{ 1949-50	46,976	86,331	1.84
	{ 1950-51	41,703	79,104	1.90
	{ 1951-52	40,851	76,057	1.86
Barley, rye, &c. .. .	{ 1949-50	854	1,321	1.55
	{ 1950-51	907	1,255	1.38
	{ 1951-52	1,670	2,078	1.24
Grasses and clovers	{ 1949-50	247,478	440,316	1.78
	{ 1950-51	260,879	433,077	1.66
	{ 1951-52	348,506	605,110	1.74
Totals .. .. .	{ 1949-50	606,525	1,000,855	1.65
	{ 1950-51	557,454	894,585	1.60
	{ 1951-52	640,418	1,046,764	1.63

The quantities of hay (in districts) held on rural holdings on the 31st March, 1950, 1951, and 1952, are shown in the following table:—

STOCKS OF HAY HELD ON FARMS.

District.	At 31st March—		
	1950.	1951.	1952.
	Tons.	Tons.	Tons.
Central .. .. .	152,560	135,703	162,365
North-Central .. .. .	68,095	57,845	64,963
Western .. .. .	213,185	188,875	265,972
Wimmera .. .. .	111,280	114,041	135,713
Mallee .. .. .	47,400	42,368	44,755
Northern .. .. .	175,137	172,323	189,090
North-Eastern .. .. .	103,926	102,910	116,977
Gippsland .. .. .	143,164	126,472	149,328
State .. .. .	1,014,747	940,537	1,129,163

**Barley.** The area under barley for grain in 1950-51 was 217,096 acres, of which 196,253 were under malting (2 row), and 20,843 under feed (6 row) barley. Although barley is grown generally throughout the State, 148,011 acres, or 68 per cent. of the total area for the season 1950-51, were sown in the counties of Grant, Lowan, Borung, Weeah, and Karkaroc. The figures in the subjoined table show the acreage, production, and yield per acre, for each of the five seasons 1947-48 to 1951-52.

## VICTORIA—BARLEY PRODUCTION, 1947-48 TO 1951-52.

Year ended March—	Area under Crop.		Produce.		Average per Acre.		
	Malting (2 row).	Other (6 row).	Malting (2 row).	Other (6 row).	Malting (2 row).	Other (6 row).	Total.
	Acres.	Acres.	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.
1948 ..	149,567	14,622	3,253,774	322,997	21·75	22·09	21·78
1949 ..	175,532	20,247	3,174,535	373,156	18·09	18·43	18·12
1950 ..	211,852	24,271	4,406,009	470,171	20·80	19·37	20·65
1951 ..	196,253	20,843	4,080,473	429,606	20·79	20·61	20·77
1952 ..	160,702	25,522	3,146,415	473,161	19·58	18·54	19·44

**Maize.** Maize for grain is cultivated mainly in Gippsland, but one or two thousand acres are regularly grown in the Mornington and the North-Eastern districts. It is grown in Victoria both for grain and for green fodder. The areas for 1950-51 were 4,089 acres for grain, and 6,753 acres for green fodder. The area, production, and average yield for each of the five seasons, 1947-48 to 1951-52, are given in the following table:—

## VICTORIA—MAIZE PRODUCTION, 1947-48 TO 1951-52.

Season.	For Green Fodder.	For Grain.		
		Area.	Production.	Yield per Acre.
	Acres.	Acres.	Bushels.	Bushels.
1947-48 .. ..	10,873	7,968	323,984	40·66
1948-49 .. ..	10,947	6,460	259,898	40·23
1949-50 .. ..	8,311	5,136	194,121	37·80
1950-51 .. ..	6,753	4,089	186,672	45·65
1951-52 .. ..	7,943	4,115	167,942	40·81

The annual average yield of the last five seasons was 40·79 bushels per acre, as compared with 45·0 in 1910-15, and 65·4 in 1900-05. The relatively light yield per acre for the latest five-year period was probably due to the cultivation of new areas, which are less fertile than the rich river flats upon which this cereal was grown exclusively in earlier periods.

**Potatoes.** Victoria is the chief potato-producing State in the Commonwealth. Of a total area of 127,111 acres planted in 1950-51 to potatoes, 52,482 acres were grown in this State.

The cultivation of potatoes in Victoria is confined mainly to the central highlands, the South-western district and the Gippsland district. These districts are favoured with good average rainfall varying from 30 to 50 inches per annum, which is fairly well distributed throughout the year.

The following table shows the area, yield, and value of potatoes for each of the five seasons, 1947-48 to 1951-52

VICTORIA—POTATO PRODUCTION, 1947-48 TO 1951-52.

Season.	Area.	Production.*	Average Yield.	Gross Value.
	Acres.	Tons.	Tons.	£
1947-48 .. ..	59,400	184,882	3·11	2,251,590
1948-49 .. ..	45,785	166,105	3·63	2,960,268
1949-50 .. ..	50,651	167,881	3·31	3,259,460
1950-51 .. ..	52,482	139,391	2·66	3,661,748
1951-52 .. ..	42,108	178,399	4·24	5,512,002

\* Includes amounts held on farms for seed, stock feed, &c., as follow :—37,030 tons in 1947-48; 36,084 tons in 1948-49; 38,374 tons in 1949-50; 27,102 tons in 1950-51; and 30,620 tons in 1951-52.

**Onions.** Onions are grown in nearly every county south of the Dividing Range. The returns for the season 1950-51 show that in Bourke the yield was 2,884 tons from 490 acres; in Grant 2,226 tons from 709 acres; in Grenville 4,838 tons from 1,184 acres; in Polwarth 3,758 tons from 798 acres; in Villiers 2,329 tons from 486 acres; and in Buln Buln 688 tons from 133 acres. The following statement shows the area, yield, and value for each of the last five years :—

VICTORIA—ONION PRODUCTION, 1947-48 TO 1951-52.

Season—	Area.	Production.	Average Yield.	Gross Value.
	Acres.	Tons.	Tons.	£
1947-48 .. ..	6,722	61,540	9·15	904,887
1948-49 .. ..	5,554	33,684	6·06	533,439
1949-50 .. ..	4,093	25,436	6·21	558,886
1950-51 .. ..	4,148	18,182	4·38	571,142
1951-52 .. ..	4,745	31,150	6·56	..

**Wholesale prices of agricultural and pastoral products.**

The prices which appear below are the average wholesale prices in Melbourne for the marketed produce of the seasons enumerated. Average monthly prices are shown on pages 141 and 142.

**VICTORIA—AVERAGE WHOLESALE PRICES REALIZED FOR AGRICULTURAL AND PASTORAL PRODUCE, 1941-42 TO 1950-51.**

Average Prices Realized for Produce of Season—	Wheat.	Oats (Milling and Feed.)	Barley (Malting.)	Maize.	Potatoes.	Onions.	Wool.* (Clipped, and on Skins.)
	Per bushel. s. d.	Per bushel. s. d.	Per bushel. s. d.	Per bushel. s. d.	Per ton. s. d.	Per ton. s. d.	Per lb. s. d.
1941-42 ..	4 0 <sup>8</sup> / <sub>8</sub> †	2 7	3 3 <sup>1</sup> / <sub>2</sub>	8 4	320 0	320 0	1 2·20
1942-43 ..	3 11 <sup>1</sup> / <sub>4</sub> †	2 10	4 7 <sup>3</sup> / <sub>4</sub>	8 1	214 5	292 6	1 4·40
1943-44 ..	3 11 <sup>1</sup> / <sub>4</sub> †	3 1 <sup>1</sup> / <sub>4</sub>	5 0 <sup>1</sup> / <sub>2</sub>	8 3	149 0	292 6	1 4·24
1944-45 ..	3 11 <sup>1</sup> / <sub>4</sub> †	3 11 <sup>3</sup> / <sub>4</sub>	6 0	8 4	150 0	292 6	1 4·06
1945-46 ..	3 11 <sup>1</sup> / <sub>4</sub> †	3 7	6 1	8 5	150 0	292 6	1 3·00
1946-47 ..	3 11 <sup>1</sup> / <sub>4</sub> †	4 6 <sup>1</sup> / <sub>2</sub>	6 1	8 6	159 3	305 6	1 10·78
1947-48 ..	6 0†	4 3 <sup>1</sup> / <sub>2</sub>	6 5 <sup>1</sup> / <sub>2</sub>	8 6	192 6	329 0	3 1·51
1948-49 ..	6 8	4 9 <sup>1</sup> / <sub>2</sub>	7 0	9 7 <sup>1</sup> / <sub>2</sub>	415 7	239 0	3 9·57
1949-50 ..	6 8	6 4 <sup>3</sup> / <sub>4</sub>	7 3 <sup>1</sup> / <sub>2</sub>	11 5	448 9	437 6	5 0·97
1950-51 ..	7 10	9 0	7 8	21 6	555 8	680 0	12 2·02

\* Victorian production only. † From June, 1942, to December, 1947, the price of wheat for flour for home consumption was 3s. 11<sup>1</sup>/<sub>4</sub>d. per bushel.

**Vine Production.**

The production of dried vine-fruits for the season 1950-51 amounted to 34,087 tons, as compared with a production of 49,124 tons for the previous season. This far exceeds the requirements for home consumption. Overseas exports of Victorian produce of the season 1950-51 amounted to 20,114 tons.

Australian production of dried vine-fruits for the season 1950-51 amounted to 56,127 tons, of which the Victorian portion represented nearly 61 per cent.

Particulars of vine production for the five seasons 1947-48 to 1951-52 are given in the following table:—

**VICTORIA—VINE-FRUIT PRODUCTION, 1947-48 TO 1951-52.**

Season.	Number of Growers.	Area.		Produce.				
		Bearing.	Not Bearing.	Grapes gathered.	Wine made.	Dried Fruits.		
						Raisins.		Currants.
		Lexias.	Sultanas.	Cwt.	Cwt.	Cwt.		
1947-48 ..	2,420	Acres. 41,438	Acres. 2,346	Cwt. 4,682,682	Gallons. 2,958,292	Cwt. 103,796	Cwt. 839,410	Cwt. 161,718
1948-49 ..	2,462	42,064	3,545	3,885,558	3,080,512	109,324	604,752	159,335
1949-50 ..	2,468	42,552	2,834	4,101,620	3,230,129	87,421	756,458	138,600
1950-51 ..	2,467	42,204	3,109	3,097,254	2,357,716	74,194	485,936	121,611
1951-52 ..	2,409	42,812	2,455	4,391,017	3,472,352	105,113	791,552	77,165

Of the total quantity of grapes gathered in 1950-51, it is estimated that 197,511 cwt. were used for making wine and spirits, 2,819,832 cwt. for raisins and currants, and 79,911 cwt. for table consumption. The figures for 1951-52 were 345,045 cwt., 3,952,024 cwt. and 93,948 cwt. respectively.

**Tobacco.** The imposition of emergency tariff rates about 1931 greatly stimulated the growing of tobacco in Victoria and, as a result, the area planted increased in the 1932-33 season to 13,418 acres. Due, however, to economic circumstances and to disease in the crops, the acreage subsequently declined. The 1950-51 crop amounted to 8,138 cwt., which was obtained from 1,021 acres.

The following table furnishes details of the area, production, and average yield in each of the five seasons, 1947-48 to 1951-52.

VICTORIA—TOBACCO PRODUCTION, 1947-48 TO 1951-52.

Season—		Area.	Production.	Produce per Acre.	Gross Value.
		Acres.	Cwt. (dry).	Cwt. (dry).	£
1947-48	.. ..	958	1,162	1·21	18,379
1948-49	.. ..	994	7,084	7·13	126,851
1949-50	.. ..	919	5,967	6·49	163,939
1950-51	.. ..	1,021	8,138	7·97	336,099
1951-52	.. ..	1,500	12,329	8·22	463,159

**Flax.** The production of flax is confined mainly to the Central, Western, and Gippsland Districts.

The following table shows the area, the quantity of straw delivered at mills, and the produce obtained therefrom for each of the seasons 1947-48 to 1951-52. Australian imports of certain flax products for each of the years ended 30th June, 1948 to 1952 are also shown :—

VICTORIAN FLAX PRODUCTION AND AUSTRALIAN IMPORTS OF FLAX PRODUCTS, 1947-48 TO 1951-52.

Season.	Area.	Straw delivered at Mills.	Produce Obtained.		Australian Imports (year ended 30th June).		
			Fibre.	Seed.	Fibre.	Linseed.	Linseed Oil.
	Acres.	Tons.	Cwt.	Cwt.	Cwt.	Cwt.	Gallons.
1947-48	.. 12,183	19,427	20,126	27,671	..	270,039	1,411,625
1948-49	.. 6,971	11,062	22,760	18,500	328	365,358	2,081,703
1949-50	.. 5,261	6,925	15,020	17,771	..	388,631	1,498,572
1950-51	.. 3,633	5,071	14,107	11,664	..	274,531	2,104,712
1951-52	.. 2,821	4,065	17,387	9,433	804	40,319	4,598,718

**Linseed.** Linseed oil is one of the chief components of paints, varnishes, and linoleum, and has many other industrial uses. The presscake or meal, which remains after the oil has been extracted from the ground and partly-cooked seed, is a valuable stock food.

Several attempts have been made in the past to establish linseed growing in Australia. In general, they have failed because of unsuitable varieties, insect pests, and disease. However, the introduction of disease-resisting varieties and the development of effective means of pest control have combined to make linseed growing a favorable enterprise.

The area sown to linseed in Victoria for the season 1950-51 was 9,370 acres which produced 68,976 bushels (56 lb.) of pure seed valued at £141,228 (gross). The yield per acre was 7.36 bushels and the value to the grower was £78 per ton (39s. per bushel). The 1951-52 figures were 4,431 acres, 28,200 bushels, and value to grower 45s. 9d. per bushel.

**Orchards.** The extent of cultivation of each important class of fruit on holdings of one acre and upwards during the seasons 1946-47 and 1949-50 is shown in the following table:—

VICTORIA—FRUIT TREES, PLANTS, ETC., IN ORCHARDS AND GARDENS, 1946-47 AND 1949-50.

Fruit.	Number of Trees, Plants, &c.					
	1946-47.			1949-50.		
	Bearing.	Not Bearing.	Total.	Bearing.	Not Bearing.	Total.
Apples .. ..	1,812,605	230,609	2,043,214	1,677,923	290,612	1,968,535
Pears .. ..	1,131,658	191,488	1,323,146	1,087,865	178,737	1,266,602
Quinces .. ..	53,524	19,543	73,067	49,968	21,665	71,633
Plums .. ..	228,346	67,593	295,939	215,366	37,630	300,996
Prunes .. ..	36,274	10,947	47,221	26,735	14,540	41,275
Cherries .. ..	98,708	67,844	166,552	108,696	76,374	185,070
Peaches .. ..	1,163,870	334,546	1,498,416	1,125,251	290,123	1,415,374
Apricots .. ..	394,048	112,443	506,491	400,453	116,757	517,210
Nectarines .. ..	30,133	11,533	41,716	27,376	7,793	35,169
Oranges .. ..	355,337	111,211	466,548	363,625	131,769	495,394
Lemons .. ..	120,550	73,640	194,190	124,427	51,894	176,321
Figs .. ..	17,959	2,200	20,159	14,906	3,268	18,174
<b>Total Large Fruits</b>	<b>5,443,012</b>	<b>1,233,647</b>	<b>6,676,659</b>	<b>5,218,591</b>	<b>1,271,162</b>	<b>6,489,753</b>
Raspberries .. ..	303,526	46,263	349,789	333,912	44,252	378,164
Loganberries .. ..	119,861	9,312	129,173	114,347	19,931	134,278
Strawberries .. ..	4,532,909	631,586	5,163,895	5,208,842	447,550	5,656,392
Gooseberries .. ..	69,208	11,708	80,916	72,172	29,462	101,634
Olives .. ..	1,066	55,806	57,412	3,609	96,197	99,806
Passion-fruit .. ..	22,197	13,614	35,811	18,891	10,588	29,479
Almonds .. ..	40,590	26,927	67,517	42,552	36,688	79,240
Walnuts .. ..	5,903	4,580	10,483	7,966	3,643	11,609
Filberts .. ..	2,800	830	3,630	4,584	2,174	6,758
<b>Total Nuts</b>	<b>49,293</b>	<b>32,337</b>	<b>81,630</b>	<b>55,102</b>	<b>42,505</b>	<b>97,607</b>

The distribution of the fruit industry over the State is set out fruit and the number of trees of each kind in each county are

Statistical Districts and Counties.	Growers.	Area.	Apples.	Pears.	Peaches.
	No.	Acres.	Trees.	Trees.	Trees.
<b>Central District—</b>					
Bourke .. .. .	664	9,565	255,231	233,994	231,084
Grant .. .. .	166	1,493	50,582	5,932	3,944
Mornington .. .. .	856	11,190	892,020	62,483	27,076
Evelyn .. .. .	760	6,664	211,837	43,689	51,853
<b>North-Central District—</b>					
Anglesey .. .. .	4	2	117	23	15
Dalhousie .. .. .	9	21	336	51	23
Talbot .. .. .	187	2,872	201,331	61,569	3,723
<b>Western District—</b>					
Grenville .. .. .	24	219	7,147	990	72
Polwarth .. .. .	30	111	8,538	532	38
Heytesbury .. .. .	8	30	2,335	92	5
Hampden .. .. .	1	3	100	12	..
Ripon .. .. .	2	4	279	64	12
Villiers .. .. .	..	..	..	..	..
Normanby .. .. .	70	601	56,550	731	32
Dundas .. .. .	10	30	756	93	53
Follett .. .. .	8	31	2,459	156	13
<b>Wimmera District—</b>					
Lowan .. .. .	44	999	2,941	442	1,491
Borong .. .. .	158	2,359	42,625	15,987	34,227
Kara Kara .. .. .	37	191	12,741	1,256	1,016
<b>Mallee District—</b>					
Millewa .. .. .	8	63	..	14	..
Weeah .. .. .	..	..	..	..	..
Karkaroo .. .. .	625	2,614	653	1,697	2,841
Tatchera .. .. .	267	1,506	2,013	913	1,863
<b>Northern District—</b>					
Gunbower .. .. .	82	1,219	2,058	434	1,330
Gladstone .. .. .	26	177	11,830	1,833	1,395
Bendigo .. .. .	181	1,897	43,785	34,549	22,543
Rodney .. .. .	356	11,646	19,166	410,332	511,987
Moira .. .. .	469	13,191	28,421	384,749	512,380
<b>North-Eastern District—</b>					
Delatite .. .. .	86	533	19,239	551	1,564
Bogong .. .. .	179	1,294	59,064	1,906	1,233
Benambra .. .. .	12	18	601	74	122
Wonnangatta .. .. .	4	5	233	5	4
<b>Gippsland District—</b>					
Croajingolong .. .. .	24	18	365	97	111
Tambo .. .. .	25	26	781	243	198
Dargo .. .. .	36	83	3,382	182	244
Tanjil .. .. .	23	124	8,040	515	192
Buln Buln .. .. .	41	247	20,929	412	681
<b>Total for State</b> .. .. .	<b>5,482</b>	<b>71,046</b>	<b>1,968,535</b>	<b>1,266,602</b>	<b>1,413,374</b>

in the following table, where the number of growers, the area under given for the season 1949-50 :—

Apricots.	Plums.	Cherries.	Quinces.	Oranges.	Mandarins.	Grape-fruit.	Lemons and Limes.
Trees.	Trees.	Trees.	Trees.	Trees.	Trees.	Trees.	Trees.
46,598	33,332	35,122	22,070	56	2	138	77,081
46,893	4,912	1,426	844	306	..	3	881
6,629	41,302	31,486	5,051	148	5	51	22,565
7,444	91,854	90,111	9,734	84	2	35	33,265
5	11	8	7	..	..	..	..
18	36	20	5	..	..	..	..
1,140	12,325	6,299	1,485	2	..	..	122
9,812	1,833	13	170	1	..	1	1
540	608	15	66	..	..	..	5
9	198	2	8	..	..	..	..
18	20	..	1	..	..	..	..
5	5	3	..	..	..	..	..
199	178	5	27	2	..	..	11
368	83	17	12	..	..	..	..
47	28	..	10	..	..	..	..
7,931	601	35	238	143	15	7	53
27,683	4,515	3,231	4,171	286	11	11	663
596	219	1,236	38	..	..	..	4
81	..	..	..	3,822	22	573	307
8,125	759	55	315	162,054	5,134	15,221	7,723
15,048	1,547	113	356	82,436	718	5,209	3,940
599	113	4	23	91,145	1,297	5,157	2,633
199	146	334	29	328	6	6	26
10,487	12,568	819	4,643	20,590	31	769	5,590
153,359	21,643	306	9,276	13,674	45	805	2,795
171,046	65,575	7,842	12,285	76,497	1,218	3,660	16,994
874	256	1,640	316	740	8	217	144
397	4,944	3,985	238	2,224	56	40	761
39	84	27	33	23	6	1	10
6	19	4	3	1	1	1	2
49	112	66	40	56	4	4	18
221	159	191	36	38	2	3	45
190	166	334	52	55	9	29	407
364	672	95	34	33	2	6	126
191	173	226	17	9	..	100	149
517,210	300,996	185,070	71,633	454,753	8,594	32,047	176,321



The following tables show the numbers of growers (in counties) of

Districts and Counties.	Apples.		Pears.		Peaches.	
	100 trees and over.	10 and under 100 trees.	100 trees and over.	10 and under 100 trees.	100 trees and over.	10 and under 100 trees.
<b>Central District—</b>						
Bourke .. .. .	316	75	329	47	327	39
Grant .. .. .	68	53	21	42	14	24
Mornington .. .. .	670	74	175	103	72	26
Evelyn .. .. .	275	91	101	62	136	49
<b>North-Central District—</b>						
Anglesey .. .. .	..	4	..	..	..	1
Dalhousie .. .. .	2	5	..	2	..	..
Talbot .. .. .	167	12	114	35	10	14
<b>Western District—</b>						
Grenville .. .. .	10	7	3	11	..	2
Polwarth .. .. .	13	15	2	6	..	1
Heytesbury .. .. .	3	5	..	1	..	..
Hampden .. .. .	1	..	..	1	..	..
Ripon .. .. .	1	1	..	1	..	1
Villiers .. .. .	..	..	..	..	..	..
Normanby .. .. .	57	13	3	12	..	1
Dundas .. .. .	3	6	..	3	..	2
Follett .. .. .	5	3	1	1	..	..
<b>Wimmera District—</b>						
Lowan .. .. .	8	12	..	10	3	7
Borong .. .. .	53	43	46	52	56	35
Kara Kara .. .. .	24	9	3	15	3	10
<b>Mallee District—</b>						
Millewa .. .. .	..	..	..	1	..	..
Weeah .. .. .	..	..	..	..	..	..
Karkaroo .. .. .	1	12	4	22	11	34
Tatchera .. .. .	4	22	1	17	6	34
<b>Northern District—</b>						
Gunbower .. .. .	5	13	1	11	3	6
Gladstone .. .. .	14	7	2	7	4	6
Bendigo .. .. .	55	41	61	25	37	38
Rodney .. .. .	29	34	263	19	270	8
Moira .. .. .	96	75	294	22	313	34
<b>North-Eastern District—</b>						
Delatite .. .. .	23	35	1	7	4	9
Bogong .. .. .	62	55	4	23	2	18
Benambra .. .. .	2	9	..	3	..	4
Wonnangatta .. .. .	1	3	..	..	..	..
<b>Gippsland District—</b>						
Croajungolong .. .. .	..	18	..	1	..	2
Tambo .. .. .	3	17	..	7	1	2
Dargo .. .. .	7	18	..	6	..	5
Tanjil .. .. .	6	11	2	3	1	3
Buln Buln .. .. .	11	20	2	3	2	..
<b>Total .. .. .</b>	<b>1,995</b>	<b>818</b>	<b>1,433</b>	<b>581</b>	<b>1,275</b>	<b>415</b>

each kind of fruit and nuts grown in the State for the season 1949-50 :—

Apricots.		Plums.		Cherries.		Quinces.		Passion Fruit.		Oranges.	
100 trees and over.	10 and under 100 trees.	100 trees and over.	10 and under 100 trees.	100 trees and over.	10 and under 100 trees.	100 trees and over.	10 and under 100 trees.	100 vines and over.	10 and under 100 vines.	100 trees and over.	10 and under 100 trees.
92	80	131	141	121	70	80	93	..	1	..	2
78	44	18	50	7	6	3	17	1	..	1	..
24	59	149	127	100	33	17	35	7	6	..	4
23	50	273	173	223	45	29	59	7	7	..	1
..	..	..	..	..	..	..	..	..	..	..	..
..	1	..	1	..	1	..	..	..	..	..	..
4	18	48	36	22	17	5	14	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
17	3	7	7	..	1	..	5	..	..	..	..
1	2	2	11	..	..	..	2	..	..	..	..
..	..	1	2	..	..	..	..	..	..	..	..
..	1	..	1	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	6	..	..	..	..	..	..	..	..	..	..
1	3	..	9	..	..	..	..	..	..	..	..
..	1	..	4	..	1	..	..	..	..	..	..
..	..	..	1	..	..	..	..	..	..	..	..
23	9	2	8	..	1	..	4	..	..	1	1
70	42	21	40	9	12	8	33	..	3	1	6
3	6	1	3	3	8	..	1	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	1	..	..	..	..	..	..	..	..	7	1
27	62	1	14	..	1	..	5	3	4	288	246
61	74	5	23	..	2	..	10	1	..	90	48
..	..	..	..	..	..	..	..	..	..	..	..
1	7	..	3	..	..	..	..	..	1	63	7
..	4	..	5	..	3	..	..	..	..	1	1
33	38	37	34	1	3	13	22	..	..	32	15
252	20	52	21	1	3	22	6	..	..	26	19
306	29	200	69	9	8	43	47	5	1	96	37
..	..	..	..	..	..	..	..	..	..	..	..
3	6	..	7	4	9	1	2	16	3	3	7
..	7	2	14	6	3	..	2	2	..	8	31
..	1	..	3	..	..	..	1	..	..	..	1
..	..	..	..	..	..	..	..	..	..	..	..
..	1	..	3	..	1	..	..	1	..	..	1
..	3	..	6	1	2	..	..	..	1	..	..
..	5	..	5	1	4	..	2	4	2	..	1
1	1	2	4	..	1	..	..	2	1	..	1
1	1	..	4	1	..	..	..	3	..	..	..
1,021	585	952	829	512	244	222	360	52	30	617	430

Number of Growers—*continued.*

Districts and Counties.	Man-darins.		Grape-fruit.		Lemons.		Almonds.		Walnuts.	
	100 trees and over.	10 and under 100 trees.	100 trees and over.	10 and under 100 trees.	100 trees and over.	10 and under 100 trees.	100 trees and over.	10 and under 100 trees.	100 trees and over.	10 and under 100 trees.
Central District—										
Bourke .. .. .			1	1	228	100	1	7	1	..
Grant .. .. .					1	1	3	16	..	3
Mornington .. .. .					66	57	1	11	..	3
Evelyn .. .. .					111	101	2	7	3	6
North-Central District—										
Anglesey .. .. .							1	1	..	1
Dalhousie .. .. .									..	..
Talbot .. .. .						3	1	3	..	..
Western District—										
Grenville .. .. .										
Polwarth .. .. .										
Heytesbury .. .. .										
Hampden .. .. .										
Ripon .. .. .										
Villiers .. .. .										
Normanby .. .. .										
Dundas .. .. .										
Follett .. .. .										
Wimmera District—										
Lowan .. .. .		1				1	4	4	..	..
Borong .. .. .					1	16	10	24	..	1
Kara Kara .. .. .							1	1	..	..
Mallee District—										
Millewa .. .. .		1	1	5	1	1	..	..	..	..
Weeah .. .. .										
Karkaroo .. .. .	8	82	34	126	21	76	19	93	..	11
Tatchera .. .. .	3	10	12	24	14	36	39	73	..	3
Northern District—										
Gunbower .. .. .	5	11	24	17	11	17	4	9	..	..
Gladstone .. .. .						1	1	1	..	..
Bendigo .. .. .		1	1	5	14	13	13	13	..	2
Rodney .. .. .		1	2	3	7	15	12	16	..	2
Molra .. .. .	5	17	9	31	39	55	16	33	1	6
North-Eastern District—										
Delatite .. .. .			1	1	..	2	1	10	10	10
Bogong .. .. .		1		1	2	17	17	16	6	7
Benambra .. .. .									1	3
Wonnangatta .. .. .									..	1
Gippsland District—										
Croajingolong .. .. .								1	1	2
Tambo .. .. .								1	..	..
Dargo .. .. .				1	2	3	1	..	2	2
Tanjil .. .. .						2	..	4	..	..
Buln Buln .. .. .			1		1	1	..	..	1	3
Total .. .. .	21	125	86	216	519	518	146	344	26	66

The principal fruits grown in the State are apples, pears, peaches, and citrus. The apple and pear crops for the season 1950-51 amounted to 1,987,059 and 2,515,219 bushels respectively.

A considerable quantity of apricots, peaches, and pears is grown, mostly in irrigated areas, for canning purposes. The total output of 2,211,187 cases of canned fruits for the 1951 season comprised apricots, 151,170 cases; peaches (including 88,407 cases of mixed fruits), 1,101,957 cases; and pears, 958,060 cases. This output represented 69 per cent. of the total Australian pack of these fruits. In addition to the fruits shown in the subjoined table, large quantities of melons, rhubarb, and tomatoes are produced in orchards. The gross value of all fruit grown in the season 1950-51 was £5,353,077 and in 1951-52, £8,041,625.

VICTORIA—FRUIT GROWING, 1946-47 TO 1951-52.

	1946-47.	1947-48.	1948-49.	1949-50.	1950-51.	1951-52.
Number of Growers ..	5,737	5,941	5,943	5,482	5,541	5,117
Area .. ..	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
	71,312	71,513	71,746	71,046	69,911	68,715
Kind of Fruit—	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.
Apples .. ..	1,111,780	1,991,297	1,847,793	810,836	1,987,059	1,579,123
Pears .. ..	2,215,592	1,854,909	2,018,682	1,884,012	2,515,219	2,538,109
Quinces .. ..	46,730	81,529	56,431	47,005	60,184	72,755
Apricots .. ..	429,951	563,774	480,365	608,515	387,650	519,190
Cherries .. ..	43,446	57,988	63,284	44,059	59,673	69,919
Nectarines .. ..	20,176	22,463	26,937	17,940	25,531	8,473
Peaches .. ..	1,350,113	1,619,066	1,192,953	1,236,733	1,359,951	1,590,702
Plums .. ..	135,653	248,226	167,552	151,157	206,085	168,535
Prunes .. ..	35,597	32,289	31,295	17,933	26,287	22,057
Lemons .. ..	117,936	170,385	148,466	142,887	150,934	182,629
Oranges .. ..	466,774	793,081	777,769	705,621	805,946	548,629
Figs .. ..	15,859	13,139	9,104	12,825	11,330	7,048
Passion-fruit .. ..	7,283	7,415	5,883	6,894	5,878	5,637
Other Large Fruits ..	724	1,510	604	1,142	1,764	1,761
	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.
Gooseberries .. ..	2,427	2,245	2,528	1,469	1,761	1,841
Loganberries .. ..	3,320	2,502	3,179	2,528	2,386	2,667
Raspberries .. ..	3,278	3,243	3,193	3,186	2,947	2,569
Strawberries .. ..	5,007	4,033	5,013	4,077	5,048	4,799
	lb.	lb.	lb.	lb.	lb.	lb.
Almonds .. ..	154,063	151,428	176,341	146,081	134,656	89,329
Filberts .. ..	7,219	6,934	11,057	18,028	19,536	6,955
Walnuts .. ..	85,303	61,622	69,840	59,109	73,580	148,398

The production of the various kinds of dried tree-fruits for each of the last five seasons is shown in the following statement. Particulars in respect of dried vine-fruits appear on page 99 :—

VICTORIA—DRIED TREE-FRUITS, 1947-48 TO 1951-52.

Year ended June—	Apples.	Apricots.	Figs.	Nectarines.	Peaches.	Pears.	Prunes.	Total.
	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.
1948 ..	108	55,343	5,010	141	624,736	135,082	407,372	1,227,792
1949 ..	196	151,773	2,992	4,456	411,850	273,980	379,275	1,224,522
1950 ..	72	230,771	4,112	28	334,194	133,059	301,865	1,004,101
1951 ..	799	56,000	4,862	1,021	257,600	179,200	448,018	947,500
1952 ..	550	46,450	4,147	363	318,686	105,005	381,135	856,336

**Vegetable growing.** Prior to the season 1942-43, statistics relating to vegetable growing were collected only from those market gardeners who cropped an area of 1 acre or more. Only the surface area employed for vegetable growing was tabulated and, as a consequence, due to double-cropping, the actual area utilized was understated. Furthermore, vegetables grown between trees and vines in orchards and vineyards were not recorded.

From the season 1942-43, however, particulars were obtained of all vegetables grown on areas of  $\frac{1}{4}$  acre and upwards, including those grown in orchards and vineyards, and allowance was made for double cropping. These changes in practice therefore invalidate any comparison with previous years.

Excluding potatoes and onions, which are shown under separate headings in this issue of the *Year-Book*, the area sown to vegetables in Victoria for the season 1950-51 was 35,742 acres and the gross value of the estimated production therefrom was £6,603,742. The relative figures for 1951-52 were 38,130 acres and £10,822,041.

The areas sown to the different kinds of vegetables were :—

	Acres.			Acres.	
	1950-51	1951-52		1950-51	1951-52
Carrots ..	1,933	2,267	Beans, Broad	143	62
Parsnips	922	1,120	Peas, green ..	7,719	8,608
Beetroot	876	1,025	Peas, blue ..	306	63
Cabbage	2,486	2,616	Asparagus ..	1,392	1,509
Cauli-			Brussels		
flower	3,257	3,441	Sprouts ..	753	877
Lettuce	1,995	2,136	Silver beet ..	57	51
Tomatoes	5,992	6,107	Cucumber ..	217	250
Pumpkins	2,568	2,737	Marrows ..	218	227
Turnips	586	533	Melons ..	679	528
Beans,			Other ..	855	884
French	2,788	3,089			

**Minor Crops.** There are other crops cultivated in Victoria in addition to those enumerated on pages 74 to 81. The most important of these are:—Nursery products, cut flowers, sweet corn, mustard, sunflowers, garlic, scent plants, and agricultural seeds.

**Fertilizers.** The following table shows the number of holdings upon which fertilizers were applied and the quantities used in the various seasons. The fertilizer mainly used on wheat areas is "Superphosphate 22 per cent." (reduced to 18 per cent. in July, 1941 and then increased to 19 per cent. in October, 1946, 21 per cent. in December, 1947, and 22 per cent. in September, 1948). It is also used on 90 per cent. of the oat areas fertilized:—

## VICTORIA—ARTIFICIAL FERTILIZERS USED.

Season.	Number of Holdings.	Area Fertilized.	Quantity Used.
		Aeres.	Tons.
1945-46	Crops .. .. .	32,148	114,541
	Pastures .. .. .	25,019	133,484
1946-47	Crops .. .. .	30,471	137,662
	Pastures .. .. .	26,763	183,430
1947-48	Crops .. .. .	30,853	157,816
	Pastures .. .. .	29,056	244,826
1948-49	Crops .. .. .	29,634	158,889
	Pastures .. .. .	31,047	308,801
1949-50	Crops .. .. .	35,418	175,559
	Pastures .. .. .	35,444	374,461
1950-51	Crops .. .. .	30,930	168,891
	Pastures .. .. .	34,284	394,195
1951-52	Crops .. .. .	33,098	163,205
	Pastures .. .. .	34,755	415,817

**Machinery used on Holdings.** Statistics in respect of most kinds of serviceable farming implements for the years 1946 and 1950 are shown in the table which follows. In 1951 and 1952 the collection was confined to milking plants, shearing plants, and tractors.

VICTORIA—MACHINERY AND IMPLEMENTS IN USE ON RURAL HOLDINGS AT 31st MARCH, 1946, 1950, 1951 AND 1952.

	Number.			
	1946.	1950.	1951.	1952.
Milking machines—Number of units ..	38,639	54,180	60,339	63,066
Shearing machines—Number of stands ..	15,136	20,485	24,755	26,512
Tractors—				
Wheeled type .. .. .	13,599	23,235	28,132	33,678
Crawler or track type .. .. .	584	884	926	1,187
Ploughs—				
Single furrow .. .. .	37,599	32,753		
Multiple furrow .. .. .	42,758	43,428		
Cultivators (including scarifiers, harrows,—				
Tandem Disc .. .. .	4,492	7,607		
Other Disc .. .. .	14,045	14,569		
Spring tooth .. .. .	15,245	13,996		
Rigid time .. .. .		5,117		
Scarifiers .. .. .	19,495	18,988		
Harrows—Number of leaves .. .. .	189,216	191,776		
Rotary Hoes .. .. .	1,423	3,345	3,867	5,235
Other .. .. .	1,615	1,138		
Fertilizer distributors and broadcasters ..	14,158	18,935		
Grain drills—				
Combine type .. .. .	16,887	16,145		
Other types .. .. .	10,321	9,781		
Maize planters .. .. .	1,339	2,988*		
Harvesting machinery—				
Headers, strippers, and harvesters ..	15,048	14,471		
Binders .. .. .	18,649	16,979		
Mowers .. .. .	19,138	22,059		
Hay rakes .. .. .	15,526	17,133		
Hay presses and balers .. .. .	2,785	3,973		
Potato diggers .. .. .	818	914		
Chaff cutters .. .. .	23,013	20,324		
Spraying plants .. .. .	3,209	3,428		
Fruit graders .. .. .	835	920		
Motor trucks, utilities or motor lorries ..	19,824	27,838		
Stationary engines .. .. .	33,682	39,549		
Electric motors ( $\frac{1}{2}$ h.p. and over) ..	7,984	12,827		

\* Seed planters.

Information is collected annually as to the member of persons ordinarily engaged in farm work on rural holdings of one acre or more. Persons absent from their farms for the greater portion of the year following other occupations, as well as temporary hands engaged in harvesting, &c., are excluded from the tabulation. In respect of female employees, it is evident that numbers of occupiers misinterpret the questions and wrongly include those who, though they may give some assistance outdoors, are primarily engaged in domestic duties. Particulars for the years 1944-45 to 1951-52 are as follows:—

**Persons  
employed on  
Rural  
Holdings.**

VICTORIA—PERSONS PERMANENTLY ENGAGED ON RURAL HOLDINGS, INCLUDING WORKING PROPRIETORS, ETC., BUT EXCLUDING CASUAL AND SEASONAL WORKERS, 1944-45 TO 1951-52.

Year ending March.	Males.	Females.	Total.
	No.	No.	No.
1945 .. ..	87,418	12,064	99,482
1946 .. ..	89,867	10,209	100,076
1947 .. ..	92,533	8,784	101,317
1948 .. ..	92,178	7,353	99,531
1949 .. ..	88,728	6,509	95,237
1950 .. ..	86,943	7,676	94,619
1951 .. ..	89,917	6,380	96,297
1952 .. ..	88,663	5,814	94,477

NOTE.—Information relating to wages of males temporarily employed was collected in addition to the numbers of those permanently engaged. Such wages amounted to £4,241,819, £5,058,642 and £6,943,195 during the seasons 1949-50, 1950-51, and 1951-52 respectively.

In the next table will be found particulars of the rates of wages paid (with rations) upon rural holdings during 1950-51. The information has been furnished by the occupiers of holdings:—

VICTORIA—RATES OF WAGES ON RURAL HOLDINGS, 1950-51.

Occupations.	Prevailing Rate.	Range.	
	£ s. d.		
Ploughmen .. ..	.. per week	8 9 0	100s. to 240s.
Farm labourers .. ..	.. per week	8 5 6	100s. to 240s.
Threshing machine hands .. ..	.. per hour	0 4 10	4s. to 5s.
Harvest hands .. ..	.. per day	2 3 0	25s. to 60s.
Milkers .. ..	.. per week	7 12 6	100s. to 200s.
Maize pickers (without rations) .. ..	.. per bag of cobs	0 1 9	1s. 6d. to 2s.
Married couples .. ..	.. per week	11 10 0	120s. to 300s.
Female servants .. ..	.. per week	4 15 0	60s. to 140s.
Shearers, hand (without rations) .. ..	per 100	6 13 6	70s. to 165s.
„ machine (without rations) .. ..	per 100	6 17 6	70s. to 187s.
Gardeners, market .. ..	.. per week	7 17 0	120s. to 170s.
„ orchard .. ..	.. per week	8 11 6	133s. to 212s.
Vineyard hands .. ..	.. per week	8 11 0	113s. to 220s.

In recent years legislative provision has been made by both the Commonwealth and State Parliaments for granting financial relief to primary producers. These provisions have been described in previous issues of the *Year-Book*.

Financial Assistance to Primary Producers.



### PASTORAL AND DAIRYING INDUSTRIES.

**Live Stock.** The pastoral and dairying industries have always been important sources of wealth to the State, and the indications are that both pastures and stock are, on the whole, steadily improving. The next table, which shows the number of horses, dairy cows, other cattle, sheep and pigs, illustrates the progress of stock breeding in Victoria:—

#### LIVE STOCK IN VICTORIA, 1861 TO 1952.

At 1st March—	Horses (including Foals).	Cattle—		Sheep.	Pigs.
		Dairy Cows.*	Other.		
	No.	No.	No.	No.	No.
1861 .. ..	76,536	197,332	525,000	5,780,896	61,259
1871 .. ..	167,220	197,814	523,282	10,761,887	130,946
1881 .. ..	275,516	329,198	957,069	10,360,285	241,936
1891 .. ..	436,469	395,192	1,387,689	12,692,843	282,457
1901 .. ..	392,237	521,612	1,080,772	10,841,790	350,370
1911 .. ..	472,080	668,777	878,792	12,882,665	333,281
1921 .. ..	487,503	620,005	955,154	12,171,084	175,275
1931 .. ..	379,872	669,132	760,788	16,477,995	281,245
1941 .. ..	318,441	942,107	980,229	20,412,362	397,945
1948 at 31st March ..	221,454	975,338	1,198,865	17,931,173	271,492
1949 .. ..	213,090	1,010,518	1,214,025	19,170,312	223,823
1950 .. ..	200,143	1,036,370	1,194,578	19,161,043	212,901
1951 .. ..	186,415	1,021,249	1,195,004	20,011,933	237,127
1952 .. ..	169,246	993,201	1,221,320	21,537,220	213,670

\* Includes cows (in milk and dry), and springing heifers.

While the preceding table shows the actual number of live stock each year, it is difficult to determine the progress or otherwise of the pastoral industry unless the total number of live stock is brought to a common denomination. In the table which follows an arbitrary equivalent of ten sheep to each head of the larger kinds of live stock (omitting pigs) has been adopted and the total live stock grazed expressed as sheep:—

#### VICTORIA—LIVE STOCK GRAZED, 1861-1952.

Year.	Equivalent in Sheep of Live Stock Grazed.	Year.	Equivalent in Sheep of Live Stock Grazed.
	No.		No.
1861 .. ..	13,769,576	1931 .. ..	34,575,915
1871 .. ..	20,335,496	1941 .. ..	42,820,132
1881 .. ..	25,978,115	1948 .. ..	41,887,743
1891 .. ..	34,886,343	1949 .. ..	43,546,642
1901 .. ..	30,788,000	1950 .. ..	43,471,953
1911 .. ..	33,079,155	1951 .. ..	44,038,613
1921 .. ..	32,797,704	1952 .. ..	45,374,989

When making comparisons of the figures in the foregoing table, consideration should be given to the varying acreage under cultivation as shown on page 68.

**Size of holdings and numbers of live stock.**

A table showing the sizes of holdings and the numbers of live stock thereon as at March, 1948, appears on page 70 of this issue of the *Year-Book*.

**Live stock in Australia.**

In the following statement are given the numbers of horses, cattle, sheep, and pigs in the various Australian States at 31st March, 1951 and 1952.

### LIVE STOCK IN THE COMMONWEALTH. 1951.

State.	Horses.	Cattle.	Sheep.	Pigs.
	No.	No.	No.	No.
Victoria .. .. .	186,415	2,216,253	20,011,933	237,127
New South Wales .. .. .	328,428	3,702,848	54,111,000	316,833
Queensland .. .. .	307,224	6,733,548	17,477,578	374,991
South Australia .. .. .	71,215	432,566	10,166,513	67,517
Western Australia .. .. .	55,340	841,204	11,361,908	89,910
Tasmania .. .. .	20,056	271,784	2,181,516	45,446
Northern Territory .. .. .	29,366	1,019,149	28,888	1,122
Australian Capital Territory	910	11,477	256,800	642
<b>Total .. .. .</b>	<b>998,954</b>	<b>15,228,829</b>	<b>115,596,136</b>	<b>1,133,588</b>

### 1952.

State.	Horses.	Cattle.	Sheep.	Pigs.
	No.	No.	No.	No.
Victoria .. .. .	169,000	2,215,000	21,537,000	214,000
New South Wales .. .. .	311,000	3,621,000	53,676,000	293,000
Queensland .. .. .	289,000	6,435,000	16,164,000	316,000
South Australia .. .. .	63,000	437,000	11,470,000	65,000
Western Australia .. .. .	53,000	852,000	12,188,000	86,000
Tasmania .. .. .	19,000	265,000	2,338,000	47,000
Northern Territory .. .. .	32,000	1,058,000	31,000	1,000
Australian Capital Territory	1,000	10,000	243,000	..
<b>Total .. .. .</b>	<b>937,000</b>	<b>14,893,000</b>	<b>117,647,000</b>	<b>1,022,000</b>

Distribution  
of Live Stock.

The next table contains particulars of Live Stock

## VICTORIA—DISTRIBUTION

Statistical Districts and Counties.	Horses.	Dairy Cattle.					
		Cows.		Spring- ing Heifers.	Other Heifers for Dairying.	Calves.	Bulls.
		Milking.	Dry.				
	No.	No.	No.	No.	No.	No.	No.
<b>Central District—</b>							
Bourke .. .. .	24,894	27,250	12,983	3,571	9,193	7,171	1,219
Grant .. .. .	8,127	16,649	7,216	1,855	6,312	5,829	1,054
Mornington .. .. .	12,677	82,395	22,937	5,946	21,549	21,023	3,963
Evelyn .. .. .	4,422	9,739	4,045	1,137	3,712	3,906	593
<b>North-Central District—</b>							
Anglesey .. .. .	2,490	3,830	3,552	1,025	1,629	2,094	301
Dalhousie .. .. .	3,000	3,613	1,710	562	1,440	1,665	251
Talbot .. .. .	5,493	9,929	3,467	969	3,264	3,813	657
<b>Western District—</b>							
Grenville .. .. .	4,265	11,595	8,573	2,340	4,564	3,511	816
Polwarth .. .. .	2,804	22,514	8,654	2,703	7,532	6,434	1,198
Heytesbury .. .. .	3,287	37,287	16,370	2,606	11,512	9,870	2,050
Hampden .. .. .	4,333	26,573	17,900	3,193	11,057	8,632	1,698
Ripon .. .. .	2,760	3,526	1,854	476	1,403	1,670	360
Villiers .. .. .	5,021	22,407	18,038	3,828	9,898	6,875	1,466
Normanby .. .. .	4,590	12,146	14,767	2,645	5,632	6,080	1,099
Dundas .. .. .	3,255	3,717	4,736	1,175	1,538	2,080	419
Follett .. .. .	1,281	1,471	2,113	526	498	760	130
<b>Wimmera District—</b>							
Lowan .. .. .	4,603	4,145	2,742	769	1,279	1,893	490
Borong .. .. .	5,425	5,802	2,777	750	1,460	2,787	630
Kara Kara .. .. .	2,807	2,240	1,256	295	711	1,079	197
<b>Mallee District—</b>							
Millewa .. .. .	693	379	191	59	107	164	42
Wecah .. .. .	700	807	410	83	79	310	100
Karkaroc .. .. .	4,512	3,454	1,448	361	657	1,717	278
Tatchera .. .. .	4,869	8,150	3,019	755	2,958	3,576	561
<b>Northern District—</b>							
Gunbower .. .. .	4,062	24,758	7,506	2,999	7,281	8,955	1,247
Gladstone .. .. .	3,012	2,202	1,082	236	581	1,033	187
Bendigo .. .. .	6,312	13,440	4,559	1,690	3,851	5,375	761
Rodney .. .. .	6,516	39,188	7,628	3,160	12,154	13,309	1,967
Moira .. .. .	10,495	18,356	8,001	3,077	6,064	8,588	1,414
<b>North-Eastern District—</b>							
Delatite .. .. .	5,915	14,694	12,307	4,126	5,028	9,446	1,154
Bogong .. .. .	6,984	27,457	14,465	7,165	6,586	12,557	1,492
Benambra .. .. .	3,628	14,249	5,660	2,179	3,377	5,895	688
Wonnangatta .. .. .	362	588	549	62	230	226	29
<b>Gippsland District—</b>							
Croajlongong .. .. .	1,104	6,530	1,082	249	2,099	2,548	318
Tambo .. .. .	1,581	5,083	1,754	717	1,492	1,929	224
Dargo .. .. .	1,391	5,516	1,843	713	1,956	2,230	282
Tanjil .. .. .	4,528	37,762	11,446	3,905	10,474	11,190	1,673
Buln Buln .. .. .	14,217	144,565	30,383	10,303	34,428	40,983	6,348
<b>Total for State .. .. .</b>	<b>186,415</b>	<b>674,011</b>	<b>269,028</b>	<b>78,210</b>	<b>203,585</b>	<b>227,203</b>	<b>37,356</b>

in each County of the State as at March, 1951:—

OF LIVE STOCK, 1951.

Beef Cattle.				Total Cattle (Dairy and Beef).	Pigs.	Sheep.		
Cows.	Calves (under Twelve Months).	Bulls.	Other Cattle.			Sheep.	Lambs.	Total.
No.	No.	No.	No.	No.	No.	No.	No.	No.
11,556	5,362	339	9,822	88,466	14,312	469,820	114,365	584,185
12,556	7,924	830	7,652	67,877	4,931	659,310	193,419	852,729
20,957	9,675	435	15,140	204,020	14,298	196,959	66,005	262,964
5,307	2,945	208	4,418	36,010	6,590	46,871	15,756	62,627
9,032	5,966	272	9,012	36,713	3,564	431,087	79,384	510,471
4,707	3,519	187	5,509	23,163	1,461	452,815	90,953	543,768
4,674	4,154	195	5,425	36,547	3,815	451,573	156,824	608,397
3,117	1,848	107	5,608	42,074	4,721	624,527	157,379	781,906
3,854	2,185	75	3,377	58,526	8,898	144,887	46,214	191,101
2,479	1,250	80	2,633	86,137	4,150	58,316	13,697	72,013
13,294	7,068	423	12,646	102,484	3,030	760,952	212,260	973,212
3,697	2,146	141	2,223	17,496	553	845,240	203,422	1,048,662
19,270	9,839	595	11,167	103,383	1,401	765,203	189,232	954,435
11,068	6,496	426	6,029	66,388	3,651	563,045	132,013	695,058
6,239	3,836	313	3,085	27,138	1,192	801,808	149,343	951,151
5,412	3,241	233	2,331	16,715	232	216,292	41,823	258,115
1,927	1,514	118	1,033	15,910	1,576	1,117,804	248,051	1,365,855
911	1,398	75	1,753	18,343	3,914	757,025	216,015	973,040
985	1,029	60	1,752	9,604	1,248	544,197	146,196	690,393
162	140	13	122	1,379	193	86,603	30,660	117,263
119	190	6	97	2,201	461	105,526	30,457	135,983
826	724	30	836	10,331	2,743	379,562	134,555	514,117
1,342	1,256	44	2,454	24,115	6,697	386,986	148,839	535,825
4,927	4,561	171	4,920	67,325	16,148	317,606	100,927	418,533
546	866	35	1,189	7,957	1,467	411,619	138,597	550,216
3,304	2,820	76	3,562	39,438	9,447	464,184	173,695	637,879
5,543	4,496	185	5,773	93,403	19,848	497,499	190,871	688,370
7,225	6,472	353	9,015	68,565	13,160	954,146	298,413	1,252,559
20,908	13,314	604	24,392	105,973	8,756	644,678	199,742	844,420
20,174	12,977	521	13,573	116,967	17,985	338,981	97,798	436,779
24,469	16,480	737	14,755	88,489	6,970	227,221	62,951	290,172
2,353	1,415	75	1,523	7,050	177	44,703	12,138	56,841
3,727	2,340	136	1,880	20,909	4,214	40,583	9,797	50,380
10,475	6,443	275	2,830	31,227	2,641	104,241	34,517	138,758
5,385	3,325	159	3,085	24,499	3,279	88,684	26,348	115,032
15,871	10,456	418	13,549	116,744	5,702	299,852	93,038	392,890
23,648	14,476	647	26,906	332,687	33,702	352,134	103,700	455,834
292,046	184,146	9,597	241,071	2,216,253	237,127	15,652,539	4,359,394	20,011,933

Distribution  
of Live Stock.

The next table contains particulars of Live Stock

## VICTORIA—DISTRIBUTION

Statistical Districts and Counties.	Horses.	Dairy Cattle.					
		Cows.		Springing Heifers.	Other Heifers for Dairying.	Calves.	Bulls.
		Milking.	Dry.				
	No.	No.	No.	No.	No.	No.	No.
<b>Central District—</b>							
Bourke .. .. .	24,129	25,036	12,103	3,233	8,780	7,008	1,158
Grant .. .. .	7,483	15,360	7,672	2,026	5,485	5,760	1,041
Mornington .. .. .	11,621	80,292	23,244	6,635	20,518	19,536	3,869
Evelyn .. .. .	4,062	8,891	4,316	918	3,917	3,724	579
<b>North-Central District—</b>							
Anglesey .. .. .	2,396	3,117	3,604	865	1,720	1,680	264
Dalhousie .. .. .	2,801	3,145	1,670	468	1,263	1,443	203
Talbot .. .. .	4,781	9,152	3,912	941	3,305	3,637	668
<b>Western District—</b>							
Grenville .. .. .	3,915	9,991	9,225	2,784	4,043	3,298	805
Polwarth .. .. .	2,876	22,198	8,155	3,095	6,657	6,140	1,213
Heytesbury .. .. .	3,196	39,174	14,222	3,302	10,656	9,697	2,043
Hampden .. .. .	4,034	26,523	16,736	3,665	10,045	8,039	1,690
Ripon .. .. .	2,443	3,451	1,997	523	1,412	1,645	385
Villiers .. .. .	4,669	25,284	13,974	4,087	9,034	6,918	1,459
Normanby .. .. .	4,210	14,601	11,506	3,025	5,235	5,990	1,059
Dundas .. .. .	3,106	4,520	4,074	1,481	1,336	2,211	452
Follett .. .. .	1,172	1,671	1,542	494	441	775	110
<b>Wimmera District—</b>							
Lowan .. .. .	3,882	3,896	2,442	723	1,164	1,859	444
Borung .. .. .	4,451	5,432	2,541	701	1,482	2,461	598
Kara Kara .. .. .	2,366	2,114	1,138	202	724	1,031	193
<b>Mallee District—</b>							
Millewa .. .. .	566	379	195	58	61	132	36
Weeah .. .. .	598	769	408	103	137	339	112
Karkaroo .. .. .	3,742	3,249	1,212	332	765	1,355	283
Tatchera .. .. .	3,973	7,770	2,595	1,070	2,509	3,096	570
<b>Northern District—</b>							
Gunbower .. .. .	3,497	24,792	5,527	2,294	7,210	7,925	1,204
Gladstone .. .. .	2,527	2,054	1,074	188	614	1,068	169
Bendigo .. .. .	5,443	12,367	3,866	1,241	3,680	4,624	725
Rodney .. .. .	5,858	39,038	7,264	3,025	11,198	12,273	1,900
Moira .. .. .	9,078	18,505	8,475	3,213	6,543	7,985	1,469
<b>North-Eastern District—</b>							
Delatite .. .. .	5,354	12,521	11,993	3,821	5,691	7,934	1,162
Bogong .. .. .	6,291	23,028	18,273	6,016	6,952	11,636	1,555
Benambra .. .. .	3,328	12,101	7,371	1,921	3,535	4,728	629
Wonnangatta .. .. .	315	666	291	89	78	180	35
<b>Gippsland District—</b>							
Croajingolong .. .. .	1,069	6,627	1,546	334	1,989	2,485	347
Tambo .. .. .	1,516	5,114	1,610	423	1,511	2,036	265
Dargo .. .. .	1,295	5,077	1,517	568	2,028	1,886	261
Tanjil .. .. .	4,166	36,661	11,725	4,151	11,204	10,572	1,554
Buln Buln .. .. .	13,237	140,086	30,667	10,377	34,723	37,652	6,460
<b>Total for State ..</b>	<b>169,246</b>	<b>655,127</b>	<b>259,682</b>	<b>78,392</b>	<b>197,595</b>	<b>210,758</b>	<b>36,969</b>

in each County of the State as at March, 1952 :—  
OF LIVE STOCK, 1952.

Beef Cattle.				Total Cattle (Dairy and Beef).	Pigs.	Sheep.		
Cows.	Calves (under Twelve Months).	Bulls.	Other Cattle.			Sheep.	Lambs.	Total.
No.	No.	No.	No.	No.	No.	No.	No.	No.
12,659	6,256	381	9,591	86,205	15,360	515,487	106,450	621,937
13,168	7,478	808	8,621	67,419	4,743	712,574	202,485	915,059
25,725	11,385	647	17,260	209,111	14,809	275,709	98,650	374,359
5,093	3,126	216	3,985	34,765	6,268	55,824	18,010	73,834
9,339	5,421	354	9,649	36,013	3,073	448,526	78,726	527,252
4,659	3,026	180	4,383	20,440	1,297	438,094	96,341	534,435
4,512	3,673	242	5,391	35,433	3,373	486,630	156,885	643,515
3,677	2,109	145	5,474	41,551	3,914	683,200	166,216	849,416
5,540	2,924	146	4,937	61,000	8,641	158,838	53,369	212,207
3,405	1,765	159	2,462	86,885	4,231	89,459	33,492	122,951
15,369	8,506	577	13,861	105,011	2,501	837,300	253,794	1,091,094
3,675	2,474	172	2,743	18,477	607	901,840	224,352	1,126,192
20,642	10,730	645	10,937	103,690	1,112	814,975	215,186	1,030,161
11,737	7,795	473	6,701	68,122	3,441	647,578	175,664	823,242
8,455	5,208	374	7,155	35,266	1,080	887,192	207,941	1,095,133
5,772	3,434	239	1,834	16,312	157	228,730	54,446	283,176
2,258	1,850	109	1,182	15,927	1,144	1,217,179	295,235	1,512,414
727	1,242	72	1,806	17,062	3,944	817,191	221,541	1,038,732
1,205	916	60	1,197	8,780	1,080	526,106	142,432	668,538
150	93	10	193	1,307	140	98,079	23,206	121,285
121	171	11	65	2,236	424	115,269	30,297	145,566
621	549	41	701	9,108	2,925	398,952	123,961	522,913
1,869	1,567	67	2,859	23,972	5,739	405,944	144,758	550,702
5,058	4,435	171	6,598	65,214	14,557	339,826	117,265	457,091
528	663	37	922	7,317	1,177	403,324	129,127	532,451
2,754	2,682	93	2,794	35,276	8,584	470,069	170,633	640,702
5,271	4,706	206	5,292	90,173	18,517	535,746	215,585	751,331
8,365	6,949	431	9,379	71,314	12,019	1,007,765	312,721	1,320,486
18,239	11,590	808	22,999	96,758	7,148	655,027	179,440	834,467
21,110	13,251	585	15,897	118,303	12,559	365,363	97,685	463,048
25,355	17,210	1,009	13,816	87,675	5,411	217,718	57,852	275,570
1,931	1,365	88	1,643	6,366	158	45,941	11,478	57,419
4,010	2,658	119	2,198	22,313	3,903	41,966	11,052	53,018
10,060	6,008	283	2,861	30,171	2,319	102,412	29,844	132,256
6,620	3,759	175	4,084	25,975	2,315	81,852	25,547	107,399
17,803	11,501	557	15,570	121,298	4,692	307,546	89,529	397,075
25,222	15,925	849	30,324	332,285	30,308	480,814	149,989	630,803
312,704	194,400	11,539	257,364	2,214,530	213,670	16,816,045	4,721,184	21,537,229

**Dairying.** The dairying industry is one of the principal sources of the wealth of the community. The gross value of dairy produce in the season 1950-51 was £35,990,892 as compared with £32,962,296 in 1949-50. The following table shows the numbers of cow-keepers and cows and the estimated total production of milk for each of the last five years:—

## VICTORIA—DAIRYING, 1947-48 TO 1951-52.

As at 31st March—	Number of Cow-keepers.	Number of Dairy Cows.*	Estimated Total Production of Milk for all Purposes (Year ended 30th June).
			'000 Gallons.
1948 .. ..	52,881	975,338	428,569
1949 .. ..	52,861	1,010,518	462,446
1950 .. ..	Not tabulated	1,036,370	469,253
1951 .. ..	51,497	1,021,249	445,148
1952 .. ..	50,635	993,201	453,658

\* Includes Cows (in milk and dry) and Springing Heifers.

**Butter, Cheese, Condensed Milk and Casein.**

The quantities of butter, cheese, condensed and powdered milk, &c., and casein made during the last four years were as follow:—

## VICTORIA—BUTTER, CHEESE, CONDENSED AND POWDERED MILK, CASEIN MADE, ETC., 1947-48 TO 1950-51.

Year Ended 30th June—	Butter.*	Cheese.*	Condensed and Full-Cream Powdered Milk.	All Other Milk Products.	Casein.
	'000 lb.	'000 lb.	'000 lb.	'000 lb.	'000 lb.
1948 .. ..	128,968	36,239	107,755	32,861	5,365
1949 .. ..	136,946	41,163	116,141	37,271	6,359
1950 .. ..	144,827	47,492	122,997	39,889	7,077
1951 .. ..	132,263	50,573	116,255	41,238	8,437

\* Including that made on farms.

## AUSTRALIA—MILK PRODUCTION.

**Australian Milk Production.** Victoria is the principal milk-producing State, and in 1951-52 the Victorian output (453·7 million gallons) represented 42·9 per cent. of the Australian production. The statistics over the last five years are as follow:—

PRODUCTION OF WHOLE MILK.  
(‘000 gallons).

Period.	Victoria.	New South Wales.	Queensland.	South Australia.	Western Australia.	Tasmania.	Aust. Cap. Terr.	Total.
1947-48..	428,569	295,370	272,791	92,498	50,363	32,936	578	1,173,105
1948-49..	462,446	291,915	277,152	91,319	50,612	38,541	659	1,212,644
1949-50..	469,253	311,580	281,125	89,388	49,476	40,243	694	1,241,759
1950-51..	445,148	298,159	278,111	83,545	52,407	41,136	687	1,199,193
1951-52..	453,658	240,115	179,575	87,766	49,721	45,275	720	1,056,830

**Numbers and Sizes of Dairy Herds.** The following table shows the number of dairy herds in Victoria, grouped, according to size, for each of the four years, 1949-52:—

VICTORIA—DAIRY HERDS, CONTAINING FIVE COWS OR MORE, GROUPED ACCORDING TO SIZE.

As at March—	Number of Herds.							Total.
	5 to 9 Cows.	10 to 14 Cows.	15 to 19 Cows.	20 to 29 Cows.	30 to 49 Cows.	50 to 99 Cows.	100 and Over.	
1949 ..	7,649	3,480	2,246	4,020	6,863	5,394	788	30,440
1950 ..	Not tabulated							
1951 ..	6,703	2,944	2,021	3,741	6,779	5,780	874	28,842
1952 ..	6,395	2,775	1,959	3,666	6,601	5,698	816	27,910

The numbers of farmers with less than five cows were:—22,421 in 1949, 22,655 in 1951, and 22,725 in 1952. These numbers were excluded from the foregoing table as the groups were considered too small to be classed as dairy herds.

**Regulation, Control and Distribution of the Metropolitan Milk Supply.** Information in respect of the regulation, control, and distribution of the Metropolitan Milk Supply appears on pages 335 to 337 of the 1943-44 *Year-Book*.



**Herds of Dairy Cattle.** In the following table, dairy cattle (as distinct from into herds which are depastured on the differently sized

## HERDS OF DAIRY CATTLE IN

Total Area of Holding.			Total in Victoria.				Size of Herd.			
			Herds.		Dairy Cattle.		Number. 1 to 4.		Number. 5 to 9.	
			No.	Percentage to Total.	No.	Percentage to Total.	Herds.	Dairy Cattle.	Herds.	Dairy Cattle.
Acres.						No.	No.	No.	No.	
Under 10 .. ..	1,880	3.54	7,096	0.47	1,418	2,954	338	2,125		
10 and under 25	3,832	7.21	22,393	1.48	2,313	4,610	767	5,128		
25 " 50	3,694	6.95	44,053	2.92	1,586	3,190	533	3,601		
50 " 100	6,167	11.60	175,426	11.62	1,188	2,636	628	4,256		
100 " 150	5,742	10.80	243,961	16.17	645	1,475	444	3,008		
150 " 250	7,369	13.86	366,369	24.28	874	2,077	563	3,769		
250 " 500	8,838	16.62	365,681	24.23	2,026	5,011	1,271	8,512		
500 " 750	5,396	10.15	124,624	8.26	1,951	5,034	1,338	8,817		
750 " 1,000	2,999	5.64	51,262	3.40	1,206	3,149	825	5,464		
1,000 " 1,500	3,299	6.21	47,583	3.15	1,409	3,627	1,018	6,732		
1,500 " 2,500	2,332	4.39	32,513	2.15	1,047	2,772	710	4,698		
2,500 " 5,000	1,129	2.12	16,277	1.08	461	1,218	353	2,336		
5,000 " 10,000	347	0.65	7,031	0.47	89	233	110	719		
10,000 " 20,000	92	0.17	1,886	0.13	27	69	21	135		
20,000 and over ..	46	0.09	2,873	0.19	18	46	10	65		
Totals ..	53,162	100.00	1,509,028	100.00	16,258	38,101	8,929	59,365		

**Figs.**

The numbers of pigs in Victoria at 31st March, 1951, and at 31st March, 1952, were 237,127 and 213,670 respectively. About 75 per cent. of these are held in the Central,

dairy cows shown in the table on page 119), have been classified holdings as set out :—

VICTORIA AS AT MARCH, 1950.

Size of Herd—*continued.*

Number. 10 to 14.		Number. 15 to 19.		Number. 20 to 29.		Number. 30 to 49.		Number. 50 to 99.		Number. 100 and over.	
Herds.	Dairy Cattle.	Herds.	Dairy Cattle.	Herds.	Dairy Cattle.	Herds.	Dairy Cattle.	Herds.	Dairy Cattle.	Herds.	Dairy Cattle.
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
79	892	24	397	12	285	5	179	4	264	..	..
375	4,401	198	3,337	131	3,054	41	1,477	7	386	..	..
380	4,520	339	5,733	463	11,112	330	12,071	62	3,722	1	104
440	5,265	401	6,818	744	18,099	1,596	62,365	1,140	72,557	30	3,430
248	2,948	263	4,476	518	12,669	1,267	50,850	2,166	146,442	191	22,093
361	4,267	299	5,174	547	13,372	1,137	45,112	2,879	207,028	709	85,570
658	7,760	395	6,630	577	13,973	907	35,562	1,845	132,560	1,159	155,673
507	5,896	238	3,949	268	6,388	310	12,043	463	33,224	321	49,273
303	3,532	140	2,347	116	2,734	125	4,714	181	13,207	103	16,115
342	3,920	115	1,906	108	2,543	79	2,937	116	8,233	112	17,685
243	2,815	86	1,430	69	1,589	61	2,368	57	4,164	59	12,677
121	1,424	58	949	53	1,247	21	774	31	2,320	31	6,009
57	665	23	378	31	716	13	474	12	866	12	2,980
11	130	15	249	4	98	8	327	3	223	3	655
4	48	2	33	2	45	2	75	2	132	6	2,429
4,129	48,483	2,596	43,806	3,643	87,924	5,902	231,328	8,968	625,328	2,737	374,693

Western, Northern, and Gippsland districts which are so largely devoted to dairying. The following tables show classifications (in counties) of pigs together with the numbers of pig-keepers :—

## VICTORIA—PIGS AND PIG-KEEPERS—MARCH 31st, 1951.

Districts and Counties.	Boars.	Breeding Sows.	All Other.	Total Pigs.	Pig-Owners.
	No.	No.	No.	No.	No.
<b>Central District—</b>					
Bourke .. .. .	163	1,446	12,703	14,312	204
Grant .. .. .	119	704	4,108	4,931	316
Mornington .. .. .	423	2,254	11,616	14,293	634
Evelyn .. .. .	208	1,043	5,339	6,590	293
<b>North-Central District—</b>					
Anglesey .. .. .	95	573	2,896	3,564	151
Dalhousie .. .. .	35	156	1,270	1,461	84
Talbot .. .. .	106	541	3,168	3,815	285
<b>Western District—</b>					
Grenville .. .. .	82	470	4,169	4,721	170
Polwarth .. .. .	221	1,383	7,294	8,898	386
Heytesbury .. .. .	165	602	3,383	4,150	196
Hampden .. .. .	74	378	2,578	3,030	106
Ilpon .. .. .	35	71	467	553	38
Villiers .. .. .	35	178	1,188	1,401	83
Normanby .. .. .	109	584	2,958	3,651	287
Dundas .. .. .	35	168	989	1,192	93
Follett .. .. .	13	28	191	232	19
<b>Wimmera District—</b>					
Lowan .. .. .	84	217	1,275	1,576	309
Boring .. .. .	122	549	3,243	3,914	455
Kara Kara .. .. .	27	178	1,043	1,248	106
<b>Mallee District—</b>					
Millewa .. .. .	16	41	136	193	27
Weeah .. .. .	16	80	365	461	62
Karkaroo .. .. .	80	355	2,308	2,743	200
Tatchera .. .. .	138	835	5,724	6,697	348
<b>Northern District—</b>					
Gunbower .. .. .	387	2,252	13,509	16,148	587
Gladstone .. .. .	39	195	1,233	1,467	128
Bendigo .. .. .	200	1,111	8,136	9,447	363
Rodney .. .. .	467	2,751	16,630	19,848	800
Moira .. .. .	313	2,000	10,847	13,160	607
<b>North-Eastern District—</b>					
Delatite .. .. .	224	1,242	7,290	8,756	424
Bogong .. .. .	412	2,659	14,914	17,985	704
Benambra .. .. .	176	976	5,818	6,970	284
Wonnangatta .. .. .	10	38	129	177	17
<b>Gippsland District—</b>					
Croajingolong .. .. .	94	708	3,412	4,214	121
Tambo .. .. .	81	409	2,151	2,641	141
Dargo .. .. .	74	445	2,760	3,279	160
Tanjil .. .. .	177	816	4,709	5,702	240
Buln Buln .. .. .	907	4,526	28,269	33,702	1,523
<b>Total for State ..</b>	<b>5,947</b>	<b>32,962</b>	<b>198,218</b>	<b>237,127</b>	<b>10,951*</b>

\* Of this number 3,153 had herds of under 5 pigs, 1,641 herds of 5 and under 10 pigs, 2,354 herds of 10 and under 20 pigs, and 3,803 herds of 20 pigs and over.

## VICTORIA—PIGS AND PIG-KEEPERS—MARCH 31st, 1952.

Districts and Counties.	Boars.	Breeding Sows.	All Other.	Total Pigs.	Pig-Owners.
	No.	No.	No.	No.	No.
<b>Central District—</b>					
Bourke .. ..	169	1,450	13,741	15,360	212
Grant .. ..	133	635	3,973	4,745	294
Mornington .. ..	377	2,273	12,159	14,809	657
Evelyn .. ..	174	1,032	5,062	6,268	327
<b>North-Central District—</b>					
Anglesey .. ..	84	451	2,538	3,073	122
Dalhousie .. ..	29	108	1,160	1,297	75
Talbot .. ..	98	464	2,311	3,373	274
<b>Western District—</b>					
Grenville .. ..	72	346	3,496	3,914	147
Polwarth .. ..	264	1,185	7,192	8,641	380
Heytesbury .. ..	133	630	3,468	4,231	197
Hampden .. ..	61	335	2,105	2,501	99
Ripon .. ..	22	77	508	607	36
Villiers .. ..	36	203	873	1,112	83
Normanby .. ..	113	534	2,794	3,441	273
Dundas .. ..	32	141	907	1,080	101
Follett .. ..	5	35	117	157	13
<b>Wimmera District—</b>					
Lowan .. ..	56	155	933	1,144	284
Borong .. ..	138	502	3,304	3,944	477
Kara Kara .. ..	30	143	907	1,080	101
<b>Mallee District—</b>					
Millewa .. ..	8	25	107	140	24
Weeah .. ..	16	87	321	424	65
Karkaroc .. ..	74	425	2,426	2,925	207
Tatchera .. ..	139	653	4,947	5,739	328
<b>Northern District—</b>					
Gunbower .. ..	364	1,915	12,278	14,557	554
Gladstone .. ..	37	156	984	1,177	110
Bendigo .. ..	179	1,032	7,373	8,584	328
Rodney .. ..	371	2,298	15,848	18,517	697
Moira .. ..	314	1,645	10,060	12,019	578
<b>North-Eastern District—</b>					
Delatite .. ..	206	986	5,956	7,148	389
Bogong .. ..	328	1,729	10,502	12,559	622
Benambra .. ..	155	701	4,555	5,411	246
Wonnangatta .. ..	7	25	126	158	23
<b>Gippsland District—</b>					
Croajingolong .. ..	83	712	3,108	3,903	115
Tambo .. ..	117	353	1,849	2,319	135
Dargo .. ..	72	350	1,893	2,315	137
Tanjil .. ..	125	648	3,919	4,692	231
Buln Buln .. ..	739	4,185	25,384	30,308	1,418
<b>Total for State ..</b>	<b>5,360</b>	<b>28,624</b>	<b>179,686</b>	<b>213,670</b>	<b>10,359*</b>

\* Of this number 3,322 had herds of under 5 pigs, 1,533 herds of 5 and under 10 pigs, 2,132 herds of 10 and under 20 pigs, and 3,372 herds of 20 pigs and over.

The following tabulation shows the number of dairy herds (in size groups) separated into those where pigs are held in conjunction therewith, and those where no pigs are held. The sizes of pig herds are also shown:—

VICTORIA—PIG-KEEPING IN CONJUNCTION WITH DAIRYING  
AS AT MARCH, 1948.

Size of Dairy Cattle Herd.	Size of Pig Herd.								Holdings with Pigs.	Holdings with no Pigs.	Holdings with Dairy Cattle.
	Number. 1-4.	Number. 5-9.	Number. 10-14.	Number. 15-19.	Number. 20-29.	Number. 30-49.	Number. 50-99.	Number. 100 and over.			
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
1-4 ..	786	119	90	56	56	49	39	35	1,230	15,103	16,333
5-9 ..	1,037	191	122	62	77	68	42	19	1,618	7,547	9,165
10-14 ..	628	126	114	26	64	39	30	11	1,038	3,409	4,447
15-19 ..	355	132	94	52	53	33	15	6	740	2,044	2,784
20-29 ..	506	270	182	102	115	66	20	9	1,270	2,677	3,947
30-49 ..	529	610	425	293	336	213	57	16	2,479	3,631	6,110
50-99 ..	333	499	575	483	769	770	324	49	3,802	4,527	8,329
100 and over	61	47	92	86	177	308	253	73	1,097	1,407	2,504
Totals ..	4,235	1,994	1,694	1,160	1,647	1,546	780	218	13,274	40,345	53,619

**Sheep.** The numbers of sheep in Victoria in various years since 1861 are shown in the table on page 112. Sheep are depastured in practically all districts of the State, but are relatively more numerous in the Wimmera, Western and Northern districts. The distribution of all live stock is shown in tables on pages 114 to 117.

Factors such as seasonal conditions, prices of wool, mutton, and lamb and, to a less degree, wheat, affect the number of sheep in the State in any given year. In an adverse season flocks may be reduced by mortality due to lack of fodder or water, by the increase in the slaughtering of fat stock or by the decrease in lambing. Decreased imports from other States is another factor. In addition to the seasonal movements of sheep from New South Wales and South Australia for agistment, there is a regular importation of sheep from those States for slaughtering purposes.

**Lambing.** Climatical conditions also play a large part in determining the proportion of lambs dropped to ewes mated, and thus the natural increase from season to season may vary considerably. The following table shows the numbers of ewes mated and lambs dropped, in each of the six years, 1946 to 1951 :—

VICTORIA—LAMBING, 1946 TO 1951.

Season.	Lambs Marked.	Ewes Mated to produce such Lambs.	Proportion of Lambs Marked to Ewes Mated.
	No.	No.	%
1946 .. ..	5,936,792	7,328,321	81·0
1947 .. ..	6,939,854	8,243,066	84·2
1948 .. ..	7,086,995	8,623,790	82·2
1949 .. ..	6,995,650	8,558,079	81·7
1950 .. ..	7,063,583	8,613,812	82·0
1951 .. ..	7,054,934	8,908,544	79·2

**Flocks of Sheep in Districts.**

The following table contains a classification of the flocks of sheep in each district of Victoria as at March, 1948. Sheep travelling on roads or located in cities or towns are excluded. The classification discloses that, although the four groups with sheep under 500 comprise 63·28 per cent. of the owners, the number of sheep in those groups was only 21·44 per cent. of the total sheep in the State.

## FLOCKS OF SHEEP IN

Size of Flock.	Total in Victoria.				Districts.			
	Flocks.		Sheep.		Central.		North-Central.	
	No.	Per-centage to Total.	No.	Per-centage to Total.	Flocks.	Sheep.	Flocks.	Sheep.
					No.	No.	No.	No.
Under 50 .. ..	3,147	10·78	71,156	0·40	448	10,167	202	5,178
50 and under 100	2,106	7·22	153,219	0·86	274	20,968	209	14,923
100 ,, 250	6,144	21·05	1,040,000	5·82	750	125,004	520	88,433
250 ,, 500	7,069	24·23	2,568,710	14·37	702	252,439	635	231,130
500 ,, 1,000	6,184	21·19	4,296,458	24·03	509	355,229	577	404,753
1,000 ,, 2,000	3,150	10·79	4,277,266	23·93	259	355,453	259	355,465
2,000 ,, 5,000	1,115	3·82	3,198,694	17·89	80	236,904	105	237,993
5,000 ,, 10,000	207	0·71	1,387,366	7·76	12	78,434	12	81,236
10,000 ,, 20,000	52	0·18	645,666	3·61	5	64,553	3	38,622
20,000 and over ..	9	0·03	238,127	1·33	..	..	..	..
Totals .. ..	29,183	100·00	17,876,662	100·00	3,039	1,499,151	2,522	1,507,733

Although the principal breed of sheep in the State is the "Merino," the percentage of pure Merino sheep, at the 31st March, 1950, was only 36 as compared with 75 in New South Wales. In 1947 the percentages were 32 in Victoria and 72 in New South Wales.

The method of collecting particulars of breeds was changed considerably in 1950 and, apart from Merinos, all comparison with breeds of previous years is nullified. Merino Comebacks were previously collected as a whole, irrespective of whether they were fine or course. The 1950 collection made provision for segregating those "finer than half-bred" while those not up to that standard were included with other crossbreds.

Similarly, it cannot be determined if any increase in the numbers of other Pure Breeds (British and Australasian) has occurred as another very important change in method was the substitution of the category "Other Recognized Breeds" in place of the former category "Other Pure Breeds". Other Pure Breeds in 1947 numbered 1,407,349 whereas in 1950 Other Recognized Breeds numbered

## VICTORIA AS AT MARCH, 1948

Districts—continued.

Western.		Wimmera.		Mallee.		Northern.		North-Eastern.		Gippslan	
Flocks.	Sheep.	Flocks.	Sheep.	Flocks.	Sheep.	Flocks.	Sheep.	Flocks.	Sheep.	Flocks.	Sheep.
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
818	17,033	286	8,117	108	2,814	326	7,735	460	9,630	499	10,482
374	27,320	335	24,471	144	10,564	341	24,779	202	14,029	227	16,165
759	123,278	1,060	182,699	735	127,135	1,369	233,210	501	84,348	450	75,893
855	316,801	1,164	432,575	939	336,768	1,724	619,148	611	222,187	439	157,662
1,229	886,174	1,016	689,506	581	382,945	1,282	885,199	612	432,320	378	260,332
961	1,315,420	464	632,706	140	180,274	524	700,848	312	424,114	231	312,986
490	1,456,109	180	500,750	32	83,744	98	277,631	65	179,459	65	176,104
130	876,260	25	173,183	3	22,322	10	68,958	7	41,069	8	45,904
36	449,696	5	58,734	..	..	2	22,601	1	11,460	..	..
7	192,825	..	..	1	21,602	1	23,700	..	..	..	..
5,659	5,660,916	4,535	2,702,741	2,683	1,168,168	5,677	2,863,809	2,771	1,418,616	2,297	1,055,528

4,451,686. Crossbreds, which numbered 6,923,603 in 1947 dropped to 5,758,669 in 1950 notwithstanding the inclusion of half-bred and courser Merino Comebacks.

Australasian breeds are the Polwarth and the Corriedale. The Polwarth is a Merino-Lincoln cross (approximately three-quarters Merino and one-quarter Lincoln). It was evolved to meet the conditions of light wool-growing localities found to be too wet and cold for the pure merino. The Corriedale was evolved by heavily culling the progeny of Lincoln rams and Merino ewes and by judicious mating over several years. The Corriedale is a dual purpose sheep, being favoured by many breeders both for lamb raising and for wool production.

Tables showing the breeds of sheep in Victoria and in Australia appear on page 132 of this issue of the *Year-Book*.

The following tables set out the numbers of rams, ewes, wethers and lambs depastured on rural holdings in each county of the State as at March, 1951, and 1952, also the numbers of ewes mated, classified according to whether the progeny is intended for wool or for fat lamb production. The breeds of rams are also shown.

Rams, Ewes,  
&c., in  
Counties at  
March, 1950  
and 1951.



VICTORIA—RAMS, EWES, ETC.; EWES MATED;  
TRAVELLING SHEEP AND SHEEP

Statistical Districts and Counties.	Rams.	Ewes.		Wethers.	Lambs.	Total Sheep and Lambs.
		Breeding. (Mated and not mated.)	Other.			
	No.	No.	No.	No.	No.	No.
<b>Central District—</b>						
Bourke .. ..	7,458	283,906	21,455	157,001	114,365	584,185
Grant .. ..	9,372	393,436	40,627	215,875	193,419	852,729
Mornington .. ..	4,636	159,269	8,603	24,451	66,005	262,964
Evelyn .. ..	1,098	34,052	1,761	9,960	15,756	62,627
<b>North-Central District—</b>						
Anglesey .. ..	4,981	202,962	15,917	207,227	79,384	510,471
Dalhousie .. ..	5,361	224,522	20,463	202,469	90,953	543,768
Talbot .. ..	8,631	304,708	17,325	120,909	156,824	608,397
<b>Western District—</b>						
Grenville .. ..	11,641	319,091	46,720	247,075	157,379	781,906
Polwarth .. ..	2,971	95,133	8,623	38,160	46,214	191,101
Heytesbury .. ..	1,368	50,925	1,903	4,120	13,697	72,013
Hamden .. ..	15,107	444,694	56,811	244,340	212,260	973,212
Ripon .. ..	13,061	403,419	79,713	349,047	203,422	1,048,662
Villiers .. ..	10,819	398,792	67,025	288,567	189,232	954,435
Normanby .. ..	6,423	271,033	51,083	234,506	132,013	695,058
Dundas .. ..	8,766	371,322	76,609	345,111	149,343	951,151
Follett .. ..	2,652	92,138	8,411	113,091	41,823	258,115
<b>Wimmera District—</b>						
Lowan .. ..	12,906	537,600	85,171	482,127	248,051	1,365,855
Borong .. ..	10,624	437,146	41,067	268,188	216,015	973,040
Kara Kara .. ..	8,355	289,146	36,397	210,299	146,196	690,393
<b>Mallee District—</b>						
Millewa .. ..	1,298	62,641	4,632	18,032	30,660	117,263
Weeah .. ..	1,410	76,167	1,924	26,025	30,457	135,983
Karkaroc .. ..	6,232	304,486	3,832	65,012	134,555	514,117
Tatchera .. ..	6,267	331,287	3,165	46,267	148,839	535,825
<b>Northern District—</b>						
Gunbower .. ..	6,155	255,468	4,236	51,747	100,927	418,533
Gladstone .. ..	5,607	259,262	21,363	125,387	138,597	550,216
Bendigo .. ..	7,733	337,498	11,674	107,279	173,695	637,879
Rodney .. ..	9,947	386,817	12,731	88,004	190,871	688,370
Moira .. ..	17,245	736,076	18,492	182,333	298,413	1,252,559
<b>North-Eastern District—</b>						
Delatite .. ..	10,556	456,438	18,939	158,745	199,742	844,420
Bogong .. ..	6,129	248,530	10,355	73,967	97,798	436,779
Benambra .. ..	2,974	135,626	7,856	80,765	62,951	290,172
Wonnangatta .. ..	515	24,419	2,360	17,409	12,138	56,841
<b>Gippsland District—</b>						
Croajingolong .. ..	374	18,440	5,961	15,799	9,797	50,380
Tambo .. ..	1,439	68,552	4,254	29,996	34,517	138,758
Dargo .. ..	972	50,378	4,189	33,145	26,348	115,032
Tanjil .. ..	3,699	179,760	20,595	95,798	93,038	392,890
Buln Buln .. ..	5,361	218,626	11,333	116,814	103,700	455,834
<b>Total .. ..</b>	<b>240,143</b>	<b>9,463,774</b>	<b>853,575</b>	<b>5,095,047</b>	<b>4,359,394</b>	<b>20,011,933</b>

## BREEDS OF RAMS IN EACH COUNTY (EXCLUSIVE OF IN TOWNS) AS AT MARCH, 1951.

Ewes Mated (for Lambing during Season 1951).		Breeds of Rams (as at March, 1951).						
To Merino, Corriedale or Polwarth Rams ( <i>Wool Production</i> ).	To Rams of British Breeds ( <i>Fat-lamb Production</i> ).	Merino.	Corriedale.	Polwarth.	Border Leicester.	Dorset Horn.	South-down.	Other.
No.	No.	No.	No.	No.	No.	No.	No.	No.
61,353	213,348	266	1,107	263	707	2,826	1,279	1,010
225,245	141,115	2,419	2,721	882	959	1,776	134	481
15,930	140,404	93	706	37	380	744	1,615	1,081
9,647	22,852	53	182	105	164	114	158	322
102,388	86,213	1,557	950	190	120	583	1,210	371
102,928	108,958	1,785	695	110	699	1,234	546	292
164,826	124,716	3,177	2,106	103	1,266	1,138	136	705
224,882	59,647	7,510	1,486	1,270	300	592	175	308
43,758	42,921	36	389	1,387	212	128	292	527
3,373	47,289	8	73	22	25	129	877	234
324,877	82,074	6,339	3,403	3,043	168	609	451	1,094
320,424	37,220	11,147	714	262	208	432	80	213
303,521	47,754	5,563	2,480	1,631	195	220	196	534
199,964	42,842	2,499	2,088	459	145	337	156	739
282,811	38,498	5,090	2,146	320	253	366	64	525
48,897	36,971	538	626	88	330	352	168	550
414,812	71,574	9,199	1,701	127	238	792	107	742
252,542	160,569	5,074	1,584	79	1,635	1,416	169	667
178,610	92,065	5,258	660	230	1,388	644	22	153
44,739	14,904	885	156	10	92	112	1	42
39,922	35,797	317	386	32	300	277	40	58
60,611	241,400	423	843	27	3,079	1,559	12	289
57,323	270,935	499	534	13	3,827	939	103	352
84,182	166,661	1,374	838	61	1,548	1,541	209	584
159,162	90,348	2,990	719	40	1,302	360	34	162
118,795	211,590	1,791	1,081	76	2,854	1,453	105	373
82,577	296,342	812	1,505	41	2,920	2,809	962	898
164,128	558,752	1,069	2,779	111	4,063	4,425	3,638	1,160
192,019	249,183	1,946	1,968	291	1,853	1,070	1,737	1,691
75,306	165,601	798	767	161	2,677	524	661	541
70,661	57,168	975	447	87	300	486	251	428
16,834	5,855	110	110	115	28	38	11	103
8,959	7,128	179	30	..	55	11	1	98
43,273	18,675	603	333	88	115	24	43	233
29,119	16,571	349	208	14	121	68	34	178
96,393	68,698	1,382	512	166	146	881	125	487
66,262	145,053	693	869	21	650	1,219	849	1,060
4,690,853	4,217,691	84,806	39,902	11,962	35,304	32,228	16,651	19,290

VICTORIA—RAMS, EWES, ETC.; EWES MATED;  
TRAVELLING SHEEP AND SHEEP

Statistical Districts and Counties.	Rams.	Ewes.		Wethers.	Lambs.	Total Sheep and Lambs.
		Breeding. (Mated and not mated.)	Other.			
	No.	No.	No.	No.	No.	No.
<b>Central District—</b>						
Bourke .. ..	7,557	292,841	30,492	184,597	106,450	621,937
Grant .. ..	9,597	405,064	52,503	245,410	202,485	915,059
Mornington .. ..	5,330	203,974	15,432	50,923	98,650	374,359
Evelyn .. ..	1,149	35,668	3,266	15,741	18,010	73,834
<b>North-Central District—</b>						
Anglesey .. ..	4,942	203,890	20,234	219,460	78,726	527,252
Dalhousie .. ..	5,045	216,396	22,305	194,348	96,341	534,435
Talbot .. ..	8,693	307,903	24,068	145,966	156,885	643,515
<b>Western District—</b>						
Grenville .. ..	12,006	338,476	60,815	271,903	166,216	849,416
Polwarth .. ..	3,097	97,246	12,750	45,745	53,369	212,207
Heytesbury .. ..	1,686	74,877	3,234	9,602	33,492	122,951
Hampden .. ..	15,391	482,800	62,092	277,017	253,794	1,091,094
Ripon .. ..	13,446	412,444	97,596	378,354	224,352	1,126,192
Villiers .. ..	11,993	431,045	64,308	307,629	215,186	1,030,161
Normanby .. ..	7,454	310,044	52,283	277,797	175,664	823,242
Dundas .. ..	9,786	419,832	73,718	383,856	207,941	1,095,133
Follett .. ..	2,464	95,240	13,936	117,090	54,446	283,176
<b>Wimmera District—</b>						
Lowan .. ..	13,996	579,531	85,310	538,342	295,235	1,512,414
Borung .. ..	11,028	443,010	52,233	310,920	221,541	1,038,732
Kara Kara .. ..	8,176	273,446	41,281	203,203	142,432	668,638
<b>Mallee District—</b>						
Millewa .. ..	1,380	64,743	2,080	29,876	23,206	121,285
Weeah .. ..	1,514	81,139	781	31,835	30,297	145,566
Karkaroc .. ..	5,937	287,173	5,477	100,365	123,961	522,913
Tatchera .. ..	6,407	320,817	4,726	73,994	144,758	550,702
<b>Northern District—</b>						
Gunbower .. ..	6,503	258,633	9,714	64,976	117,265	457,091
Gladstone .. ..	5,535	236,754	23,686	137,349	129,127	532,451
Bendigo .. ..	8,131	326,694	12,452	122,792	170,633	640,702
Rodney .. ..	10,162	407,797	14,034	103,753	215,585	751,331
Moir .. ..	18,463	759,600	19,548	210,154	312,721	1,320,486
<b>North-Eastern District—</b>						
Delatite .. ..	10,408	433,954	19,185	191,480	179,440	834,467
Bogong .. ..	6,014	256,487	18,109	84,753	97,685	463,048
Benambra .. ..	2,857	122,303	10,149	82,409	57,852	275,570
Wonnangatta .. ..	498	24,284	2,961	18,198	11,478	57,419
<b>Gippsland District—</b>						
Croajingolong .. ..	435	21,495	4,507	15,529	11,052	53,018
Tambo .. ..	1,417	65,447	4,706	30,842	29,844	132,256
Dargo .. ..	885	46,257	6,410	28,300	25,547	107,399
Tanjil .. ..	3,694	166,376	19,740	117,736	89,529	397,075
Buln Buln .. ..	6,205	279,260	28,560	166,789	149,989	630,803
<b>Total .. ..</b>	<b>249,281</b>	<b>9,782,940</b>	<b>994,731</b>	<b>5,789,093</b>	<b>4,721,184</b>	<b>21,537,229</b>

BREEDS OF RAMS IN EACH COUNTY (EXCLUSIVE OF IN TOWNS) AS AT MARCH, 1952.

Ewes Mated (for Lambing during Season 1952).		Breeds of Rams (as at March, 1952).						
To Merino, Corriedale or Polwarth Rams (Wool Production).	To Rams of British Breeds (Fat-lamb Production).	Merino.	Corriedale.	Polwarth.	Border Leicester.	Dorset Horn.	South-down.	Other.
No.	No.	No.	No.	No.	No.	No.	No.	No.
62,049	216,607	316	1,226	245	605	3,019	1,134	1,012
221,309	153,834	2,648	2,070	949	1,026	1,914	227	763
18,802	173,670	63	743	16	375	906	1,773	1,454
10,809	22,906	38	393	91	59	126	214	228
96,961	92,864	1,443	961	166	99	577	1,278	418
95,685	101,442	1,752	679	79	557	1,205	517	256
165,869	121,230	3,469	1,907	114	1,160	1,143	107	793
242,832	63,722	7,741	1,549	1,220	344	691	111	350
45,620	46,574	43	374	1,574	121	119	271	595
2,447	71,093	2	39	36	42	129	1,039	399
359,573	79,080	6,870	3,415	3,061	179	694	382	790
326,970	34,538	11,733	678	276	154	355	88	162
325,051	58,847	6,100	2,953	1,590	236	276	162	676
227,894	55,038	2,797	2,560	476	148	390	211	872
331,727	46,878	5,577	2,475	358	99	547	150	580
53,082	37,419	483	719	111	116	316	78	641
435,223	86,714	9,864	1,954	115	224	684	91	1,064
269,912	149,893	5,325	1,951	93	1,490	1,432	123	614
169,333	78,290	5,528	612	163	1,099	629	20	125
52,132	9,799	1,061	154	4	69	74	..	18
45,613	34,666	380	512	37	238	294	39	14
64,921	218,532	515	922	32	2,487	1,729	17	235
59,701	255,169	558	661	41	3,607	1,052	82	406
86,488	162,867	1,464	964	84	1,705	1,638	86	562
143,933	78,857	2,894	791	35	1,288	340	39	148
116,012	198,074	2,295	1,219	61	2,712	1,383	93	368
84,869	308,942	627	1,543	62	2,678	3,029	1,141	1,082
176,419	564,232	1,149	3,181	119	4,234	4,899	3,602	1,279
180,363	233,703	2,107	1,892	381	1,657	1,196	1,522	1,653
77,299	166,784	330	841	188	2,254	557	703	641
65,596	47,450	954	544	153	245	446	155	360
15,655	6,095	91	139	109	27	25	14	93
11,656	6,182	226	51	..	55	12	..	91
41,479	17,417	572	315	132	130	40	34	194
24,687	15,417	328	194	20	117	57	20	149
88,257	59,405	1,534	436	203	94	762	131	534
77,165	187,157	789	1,072	9	660	1,579	1,045	1,051
4,873,393	4,258,387	90,166	42,689	12,403	32,390	34,264	16,699	20,870

## AUSTRALIA—BREEDS OF SHEEP—31st MARCH, 1950.

Breed.	New South Wales.	Victoria.	Queensland.	South Australia.	Western Australia.	Tasmania.	A.C.T. and Northern Territory.	Australia.
	No.	No.	No.	No.	No.	No.	No.	No.
Merino ...	40,017,801	6,870,411	17,326,470	7,717,943	9,666,603	No. 284,574	250,270	82,134,072
Other Recognized Breeds	3,376,639	4,451,686	71,430	692,739	496,647	875,896	12,634	9,977,671
Merino Comeback (Finer than Half-Bred)	3,441,671	2,080,277	54,606	167,390	139,864	326,847	7,616	6,218,271
Crossbred (including Half-Bred and Coarser Comebacks)	6,461,889	5,758,669	129,646	898,954	620,053	683,012	8,751	14,560,974
Total ..	53,298,000	19,161,049	17,582,152	9,477,026	10,923,167	2,170,329	279,271	112,890,988

## VICTORIA—BREEDS OF SHEEP—31st MARCH, 1950.

Breed.	Central District.	North-Central District.	Western District.	Wimmera District.	Mallee District.	Northern District.	North-East District.	Gippsland District.	State.
	No.	No.	No.	No.	No.	No.	No.	No.	No.
Merino ...	275,676	563,388	2,587,458	1,979,690	326,217	596,056	302,720	239,206	6,870,411
Other Recognized Breeds	503,508	357,466	2,129,065	339,816	142,754	447,789	334,762	196,526	4,451,686
Merino Comeback (Finer than Half-Bred)	195,881	211,879	502,263	125,545	219,105	378,994	171,100	274,510	2,080,277
Crossbred (including Half-Bred and Coarser Comebacks)	737,794	479,375	781,836	387,195	495,817	1,771,842	692,845	411,935	5,758,669

Statistics of wool production are obtained direct from the growers, from fellmongeries and, in respect of wool exported on skins, from the Customs Department.

## VICTORIA—SHEEP AND LAMBS SHORN (IN DISTRICTS), SEASON 1950-51.

Statistical District.	Shorn.		Wool Clipped (including Crutchings).		Average.	
	Sheep.	Lambs.	Sheep's.	Lambs'.	Per Sheep.	Per Lamb.
	No.	No.	lb.	lb.	lb.	lb.
Central ..	1,448,407	424,656	13,937,188	1,226,303	9.62	2.89
North-Central ..	1,568,625	331,347	14,937,685	1,002,675	9.52	2.63
Western ..	5,582,230	1,314,167	51,511,119	3,358,306	9.23	2.56
Wimmera ..	2,825,057	714,106	28,878,639	2,074,923	10.22	2.91
Mallee ..	1,153,380	380,687	11,878,157	1,100,314	10.30	2.89
Northern ..	3,008,831	1,038,620	29,774,046	3,036,469	9.90	2.92
North-Eastern ..	1,457,396	468,069	13,831,318	1,257,175	9.49	2.69
Gippsland ..	995,103	333,078	9,174,315	860,835	9.22	2.58
State Total ..	18,039,029	5,054,730	173,922,467	13,917,000	9.64	2.75

VICTORIA—SHEEP AND LAMBS SHORN (IN DISTRICTS),  
SEASON 1951-52.

Statistical District.	Shorn.		Wool Clipped (including Crutchings).		Average.	
	Sheep.	Lambs.	Sheep's.	Lambs'.	Per Sheep.	Per Lamb.
	No.	No.	lb.	lb.	lb.	lb.
Central .. ..	1,652,476	486,542	15,624,880	1,480,180	9.46	3.04
North-Central .. ..	1,650,847	390,437	15,133,372	1,016,616	9.17	2.60
Western .. ..	5,929,007	1,489,510	55,621,114	4,045,462	9.38	2.72
Wimmera .. ..	2,995,936	754,114	29,555,073	2,128,829	9.87	2.82
Mallee .. ..	1,142,747	340,536	10,490,080	947,242	9.18	2.78
Northern .. ..	3,324,822	1,117,015	30,235,409	3,178,500	9.09	2.85
North-Eastern .. ..	1,601,613	456,404	13,531,167	1,186,667	8.45	2.60
Gippsland .. ..	1,080,743	346,263	9,539,141	904,177	8.83	2.61
State Total .. ..	19,378,191	5,380,821	179,730,236	14,887,673	9.27	2.77

## VICTORIA—SHEEP SHORN AND WOOL CLIPPED.

Season.	Shorn.		Wool Clipped (including Crutchings).		Average.	
	Sheep.	Lambs.	Sheep's.	Lambs'.	Per Sheep.	Per Lamb.
	No.	No.	lb.	lb.	lb.	lb.
1946-47 .. ..	14,033,081	4,130,818	139,885,117	10,922,452	9.97	2.64
1947-48 .. ..	15,551,760	4,738,590	145,027,116	12,839,634	9.33	2.71
1948-49 .. ..	16,922,401	5,322,921	150,591,169	14,601,259	8.90	2.74
1949-50 .. ..	17,985,003	4,648,333	167,427,823	12,051,920	9.31	2.59
1950-51 .. ..	18,039,029	5,054,730	173,922,467	13,917,000	9.64	2.75
1951-52 .. ..	19,378,191	5,380,821	179,730,236	14,887,673	9.27	2.77

## VICTORIA—WOOL PRODUCTION AND VALUE.

Season.	Clip.	Stripped from and Exported on Skins, &c. (Greasy).	Total Quantity. (Greasy).	Gross Value.	Average Price per lb.
	1946-47 .. ..	150,807,569	46,268,669	197,076,238	18,708,593
1947-48 .. ..	157,866,750	33,137,130	191,003,880	29,851,792	37.51
1948-49 .. ..	165,192,428	30,212,458	195,404,886	37,105,206	45.57
1949-50 .. ..	179,479,743	37,159,564	216,639,307	55,033,279	60.97
1950-51 .. ..	187,839,467	25,055,009	212,894,476	129,524,213	146.02
1951-52 .. ..	194,617,909	23,182,638	217,800,547	61,572,367	67.85

The annual collection of statistics is carefully and efficiently carried out by the police. It is realized, however, that the wool clip as recorded is not likely to cover the whole clip, which was shorn some months prior to the collection. After investigation, and examination of the results of investigations elsewhere, it is considered that the quantity not recorded does not exceed 5 per cent. of the Victorian clip.

There is some uncertainty also associated with skin wool. Allowance is made for skins from other States which are exported from Victoria, so that they are not included in Victorian production. The Victorian figures do, however, include skin wool from all sheep and lambs slaughtered in Victoria, even though some of such sheep were brought over from other States for slaughter.

**Economic  
Wool  
Research.**

A Wool Section of the Bureau of Agricultural Economics, whose activities are mentioned on page 67 of this issue of the *Year-Book*, has been developed in order to discharge the Bureau's responsibility for economic wool research under the *Wool Use Promotion Act* of 1945 and is financed from the Wool Research Trust Account. Briefly, under this Act, the proceeds from the wool tax of 2s. per bale are paid into the Wool Use Promotion Fund, which is available to the Wool Board for promoting the use of wool throughout the world. The Commonwealth Government pays a similar amount from Consolidated Revenue into the Wool Research Trust Account to be used in scientific, economic, and cost research and in the co-ordination and application of the results of such research. The C.S.I.R. is responsible for biological and textile research and the Bureau of Agricultural Economics for economic research. The two organizations work in co-operation in their wool research programme.

The work of the Wool Section falls into two main categories—Farm Production economics (dealing with the economics of wool growing and sheep station management) and Marketing economics (dealing with the economic aspects of wool marketing both within Australia and overseas).

**Marketing  
of Wool.**

The long established system of marketing wool by public auctions re-commenced in 1946-47. During the seasons 1939-40 to 1945-46 clip values were established on appraisalment methods under an agreement between the British and the Australian Governments.

Upon the resumption of open auction sales an insatiable world-wide demand for wool, particularly in respect of the finer descriptions, was responsible for creating the most remarkable range of values in wool trade history and demonstrated the fact that the world's supply of the finer descriptions of the staple is considerably short of trade requirements. The results achieved were not secured on any promise of lessened production, but in the face of normal full-clip figures, plus heavy offerings of old wool, the legacy of war-time appraisalment.

The highest prices obtained for greasy merino fleece wool sold in Victoria and in Australia during each season from 1928-29 to 1951-52 are shown hereunder. Average weighted prices for wool of Victorian production appear on page 99 of this issue of the *Year-Book* :—

Season.	Victoria.	Australia.	Season.	Victoria.	Australia.
	d.	d.		d.	d.
1928-29 ..	47	47	1940-41 ..	33½	33½
1929-30 ..	37½	37½	1941-42 ..	33½	34½
1930-31 ..	31½	31½	1942-43 ..	39	39½
1931-32 ..	38½	38½	1943-44 ..	40¾	40¾
1932-33 ..	22½	28½	1944-45 ..	39	40¾
1933-34 ..	36½	42	1945-46 ..	41½	41½
1934-35 ..	22½	24½	1946-47 ..	121½	153
1935-36 ..	29½	35½	1947-48 ..	135	138½
1936-37 ..	36½	46¾	1948-49 ..	181	210
1937-38 ..	33½	33½	1949-50 ..	183	188
1938-39 ..	26½	28	1950-51 ..	351	354½
1939-40 ..	31	33½	1951-52 ..	244	287

Prices of  
Wool.

The following information as to the average prices of wool per lb. which have prevailed during the last three seasons has been obtained from Victorian wool brokers. These prices are for wool auctioned in Victoria. Wool from the Riverina and the south-east of South Australia is included in Victorian sales.



PRICES OF WOOL IN VICTORIA, 1949-50  
TO 1951-52.

Class of Wool.	Average Price per lb. in—		
	1949-50.	1950-51.	1951-52.
<b>GREASY MERINO.</b>			
	Pence.	Pence.	Pence.
Extra Super (Western District) .. .. .	140 to 183	205 to 351	130 to 244
Super .. .. .	120 to 139	198 to 290	106 to 180
Good .. .. .	100 to 119	180 to 235	84 to 140
Average .. .. .	72 to 96	140 to 210	64 to 114
Wasty and Inferior .. .. .	46 to 66	115 to 170	54 to 96
Extra Super Lambs .. .. .	150 to 202	192 to 427	152 to 425
Super Lambs .. .. .	90 to 100	134 to 361	90 to 210
Good Lambs .. .. .	56 to 80	100 to 220	70 to 100
Average Lambs .. .. .	36 to 50	80 to 160	51 to 84
Inferior Lambs .. .. .	25 to 35	50 to 150	25 to 50
<b>GREASY CROSSBRED.</b>			
Extra Super Comebacks .. .. .	110 to 140	170 to 303	86 to 152
Super Comebacks .. .. .	80 to 108	160 to 280	80 to 135
Fine Crossbred .. .. .	66 to 90	150 to 270	56 to 102
Medium Crossbred .. .. .	50 to 65	120 to 220	50 to 84
Coarse Crossbred and Lincoln .. .. .	40 to 55	80 to 160	44 to 70
Super Fine Crossbred Lambs .. .. .	60 to 80	120 to 250	70 to 94
Good Crossbred Lambs .. .. .	38 to 56	100 to 220	52 to 75
Coarse and Lincoln Lambs .. .. .	28 to 46	90 to 190	40 to 64
<b>SCOURED.</b>			
Extra Super Fleece .. .. .	130 to 160	222 to 350	180 to 230
Super Fleece .. .. .	100 to 120	200 to 280	150 to 200
Good Fleece .. .. .	90 to 100	170 to 250	120 to 180
Average Fleece .. .. .	78 to 88	150 to 200	100 to 150
<b>RECORD PRICES FOR THE SEASON.</b>			
Greasy Merino Fleece .. .. .	183	351	244
„ Comeback Fleece .. .. .	143½	303	152
„ Merino Lambs .. .. .	202	427	425
„ Comeback Lambs .. .. .	126	270	170½
Scoured Fleece .. .. .	185	350	230

**Prices of  
Live Stock.**

1950-51.

In the subjoined table will be found a statement of the average prices of live stock ruling in metropolitan saleyards at Newmarket during the five years 1946-47 to 1950-51. The averages stated are the mean of the monthly prices.

realized. Prices of live stock vary each year under the influence of seasonal conditions, prices of wool, &c. During periods of dry weather, stock are hastened to market and consequently prices decline but, with the advent of relief rains, stock are withheld for fattening, breeding, &c., and prices rise:—

VICTORIA—PRICES OF LIVE STOCK, 1946-47 TO 1950-51.

Stock.	1946-47.	1947-48.	1948-49.	1949-50.	1950-51.
	Average.	Average.	Average.	Average.	Average.
<i>Fat Cattle.</i>					
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
<b>Bullocks—</b>					
Extra prime .. .. .	24 9 8	28 1 9	32 8 9	35 18 1	46 4 3
Prime .. .. .	23 7 6	25 18 1	29 15 9	33 1 8	42 3 8
Good .. .. .	20 19 9	23 12 10	27 0 5	30 1 0	38 2 10
Good light and handy weights	18 5 11	20 19 3	23 16 2	26 16 0	33 19 2
Second .. .. .	14 17 7	Not available	Not available	Not available	Not available
<b>Cows—</b>					
Best .. .. .	17 1 2	17 11 6	19 9 3	21 12 0	29 8 5
Others .. .. .	9 17 1	11 10 10	12 16 5	17 17 6	24 0 11
<i>Dairy Cattle</i>					
Milkers (best) .. .. .	22 3 6	24 5 0	23 19 1	24 19 3	28 9 0
Springers (best).. .. .	17 1 10	19 5 9	19 2 11	20 8 2	24 18 6
<i>Fat Sheep.</i>					
<b>Crossbred Wethers—</b>					
Extra prime .. .. .	2 5 11	2 14 3	2 11 10	3 0 9	6 0 9
Prime .. .. .	2 0 8	2 8 3	2 6 2	2 12 8	5 4 1
Good .. .. .	1 15 3	2 1 11	2 0 4	2 4 0	4 8 3
<b>Crossbred Ewes—</b>					
Extra prime .. .. .	1 13 11	2 1 0	1 16 4	2 4 4	4 14 9
Prime .. .. .	1 8 6	1 15 2	1 10 7	1 16 3	3 17 3
Good .. .. .	1 1 3	1 5 6	1 1 11	1 4 9	2 12 4
<b>Merino Wethers—</b>					
Extra prime .. .. .	2 0 1	2 6 7	} Not available	} Not available	} Not available
Prime .. .. .	1 16 5	2 2 2			
Good .. .. .	1 8 6	Not available			
<i>Fat Lambs.</i>					
Extra prime .. .. .	2 5 0	2 11 5	2 9 3	3 1 0	5 16 0
Prime .. .. .	1 19 1	2 4 9	2 3 2	2 12 5	4 18 8
Good .. .. .	1 13 6	1 17 0	1 15 1	2 2 3	3 15 3
<i>Pigs.</i>					
<b>Back Fattens—</b>					
Extra heavy prime .. .. .	16 14 2	19 11 6	19 2 8	26 11 1	29 5 7
Prime medium and weighty .. .. .	13 8 5	15 7 5	15 1 4	20 16 6	23 7 9
<b>Baconers—</b>					
Medium and heavy .. .. .	7 9 6	8 12 5	9 19 8	12 13 11	13 18 10
Light .. .. .	6 1 2	7 0 5	8 1 3	10 4 10	11 7 10
Porkers .. .. .	4 18 0	5 6 11	5 14 5	7 10 1	8 16 6

**Stock Slaughtered.** The following table shows the number of slaughtering establishments and of the stock slaughtered in the State during each of the five years, 1948-52:—

VICTORIA—STOCK SLAUGHTERED, 1948 TO 1952.

Kind of Stock.	Stock Slaughtered in Establishments and on Farms and Stations.				
	Year Ended June—				
	1948.	1949.	1950.	1951.*	1952*.
	No.	No.	No.	No.	No.
Sheep .. .. .	2,642,377	3,223,509	4,059,490	2,844,887	3,188,512
Lambs .. .. .	3,599,500	3,468,126	4,315,223	3,008,921	2,845,674
Bullocks .. .. .	179,604	194,897	567,940	597,901	602,326
Cows .. .. .	227,070	253,118			
Young cattle .. .. .	55,914	79,185	333,161	323,335	357,213
Calves .. .. .	285,804	322,833			
Pigs .. .. .	377,366	375,825	299,753	312,334	337,864
Number of Slaughterhouses ..	509	477	449	444	412

\* Average dressed weights per carcass during 1950-51 were; Sheep 42·68 lb.; Lambs 34·39 lb.; Bullocks, Cows and Young Cattle 459·53 lb.; Calves 66·64 lb.; Pigs 143·84 lb.

The Average weights in 1951-52 were; 43·37 lb., 34·65 lb., 446·71 lb., 57·15 lb., and 135·78 lb.

**Frozen Mutton and Lamb Exported.** The importance of the mutton and lamb, export trade to sheep owners is indicated by the export figures for the years 1945 to 1952 as shown in the statement hereunder:—

FROZEN MUTTON AND LAMB EXPORTED FROM VICTORIAN PORTS.

(Exports from all Australian ports are shown in parentheses.)

Year Ended 30th June.	Carcasses Exported (exclusive of certain service requirements consumed outside Australia).			
	Mutton.		Lamb.	
	Number.	Average Weight.	Number.	Average Weight.
		lb.		lb.
1945 .. .. .	353,557	41	2,004,964	31
	(728,514)	(41)	(3,480,887)	(31)
1946 .. .. .	127,579	44	561,578	34
	(322,354)	(42)	(1,197,419)	(34)
1947 .. .. .	623,151	53	1,948,097	39
	(1,063,095)	(49)	(2,801,618)	(38)
1948 .. .. .	283,934	50	1,628,867	38
	(483,151)	(48)	(2,544,966)	(38)
1949 .. .. .	258,110	49	1,154,564	38
	(567,115)	(48)	(2,281,531)	(37)
1950 .. .. .	881,724	54	2,217,789	37
	(1,313,086)	(53)	(3,331,843)	(37)
1951 .. .. .	58,770	53	710,575	38
	(149,832)	(52)	(1,192,311)	(37)
1952 .. .. .	80,740	54	426,420	41
	(105,682)	(56)	(581,017)	(40)

**Cattle.** Cattle-raising has always been one of the more important primary industries in this State, despite the gradual increase in the areas devoted to dairy farming, sheep-raising, and cultivation. This has been due mainly to the considerable improvement in methods of pasture management, including the practice of top-dressing. Vigilant inspection of stock and the rigid quarantine of stock imported from overseas have kept herds in Victoria free from many forms of contagious diseases and animal pests with which stock in other countries are afflicted. The numbers of live stock in each county of the State will be found on pages 114 to 117 of this issue.

**Silage.** Ensilage, an economical and safe method of conserving fodder in a succulent form, is relished by stock during dry periods. Expensive precautions against damage by fire, rodents and stock, required for other fodders, are not necessary in the case of silage.

The following table gives particulars of the silage made in Victoria during the seasons 1947-48 to 1951-52:—

SILAGE IN VICTORIA, 1947-48 TO 1951-52.

Season ended March.	Farms on which Silage Made.	Silage Made.	Districts in which Made.							
			Central.	North Central.	Western.	Wimmera.	Mallee.	Northern.	North Eastern.	Gippsland
			Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1948 .. ..	449	21,873	6,072	654	1,897	274	135	1,288	5,244	6,311
1949 .. ..	443	20,945	6,102	642	2,267	250	20	658	2,261	8,745
1950 .. ..	596	25,687	6,523	826	1,704	604	614	1,248	2,873	11,295
1951 .. ..	590	26,105	6,481	576	2,191	932	354	1,990	2,985	10,596
1952 .. ..	611	24,591	5,323	481	4,193	745	402	1,554	2,815	9,078

**Apiculture.** Prior to the season 1936, the statistics of honey and beeswax were based on returns received from apiarists who were permanent occupiers of holdings of one acre and upwards. As a consequence, production was understated because of the exclusion of (a) hives on areas of less than one acre, and (b) travelling beekeepers who were not occupiers of rural holdings. Commencing with the season 1935-36, all beekeepers have been required to furnish returns. Particulars relating to apiculture for the five years 1948-52 are given in the following table:—

**VICTORIA—BEE-HIVES, HONEY, AND BEESWAX, 1947-48  
TO 1951-52.**

Season Ended May—	Bee-keepers.*	Hives.	Production.		Gross Value.	
			Honey.	Beeswax.	Honey.	Beeswax.
	No.	No.	lb.	lb.	£	£
1948 .. ..	1,603	108,896	6,934,219	70,851	216,694	8,856
1949 .. ..	1,628	117,560	8,729,527	90,778	272,799	11,347
1950 .. ..	1,584	114,676	7,743,866	78,124	258,129	11,719
1951 .. ..	1,562	115,976	8,087,654	90,605	286,438	27,182
1952 .. ..	1,494	104,652	5,207,972	55,963	216,999	19,587

\* Apiarists with 20 hives and over numbered 919 in 1948, 928 in 1949, 950 in 1950, 943 in 1951 and 874 in 1952.

**Poultry Census.** A table showing the number of poultry owners and of poultry in Victoria, as at the date of the Census in each of the years 1881, 1891, 1901, 1911, and 1933 was published on page 488 of the 1938-39 issue of the *Year-Book*.

**Establishment of Marketing Boards.** A summary of the principal legislative provisions of the *Marketing of Primary Products Act 1935* was published on pages 446 to 448 of the *Victorian Year-Book* for 1934-35.

Pursuant to such Act, Marketing Boards have been constituted for onions, chicory, maize, eggs and egg pulp, and potatoes. The Potato Marketing Board was constituted on 17th November, 1948.

**Wholesale  
Prices of  
Principal  
Products.**

The following table gives the monthly average of the Melbourne wholesale prices of the principal agricultural, dairying, and pastoral food products for the year ended June, 1951:—

**MELBOURNE—WHOLESALE PRICES—YEAR ENDED JUNE, 1951.**

	1950.						1951.					
	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May.	June.
	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>d. s.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>
Agriculture—												
Wheat .. per bushel	6 8	6 8	6 8	6 8	6 8	7 10	7 10	7 10	7 10	7 10	7 10	7 10
Barley—												
English .. "	7 3½	7 3½	7 3½	7 3½	7 3½	7 3½	7 8	7 8	7 8	7 8	7 8	7 8
Cape .. "	6 6½	6 6½	6 6½	6 6½	6 6½	6 6½	7 4½	7 4½	7 4½	7 4½	7 4½	7 4½
Oats, Milling .. "	6 10	6 9	7 0	7 3	7 1	7 2	8 1½	8 7	9 6	10 6	10 11	11 0
Maize .. "	12 0	13 0	12 6	13 9	13 9	13 9	13 9	13 9	13 9	13 9	17 3	21 9
	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>
Bran .. per ton	11 6 6	11 6 6	11 6 6	11 6 6	11 6 6	12 5 11	12 17 0	12 17 0	12 17 0	12 17 0	12 17 0	12 17 0
Pollard .. "	11 6 6	11 6 6	11 6 6	11 6 6	11 6 6	12 5 11	12 17 0	12 17 0	12 17 0	12 17 0	12 17 0	12 17 0
Flour (first quality) .. "	17 15 1	17 15 1	17 15 1	17 15 1	17 15 1	19 8 4	20 7 4	20 7 4	20 7 4	20 7 4	20 7 4	20 7 4
Chaff .. "	12 0 0	12 0 0	12 0 0	12 15 0	13 0 0	13 15 0	13 15 0	14 0 0	15 5 0	17 10 0	18 10 0	20 0 0
Potatoes .. "	22 0 0	22 0 0	25 0 0	27 0 0	28 10 0	25 0 0	25 0 0	24 0 0	24 0 0	24 0 0	28 0 0	28 0 0
Onions .. "	21 17 6	21 17 6	21 17 6	21 17 6	21 17 6	21 17 6	33 15 0	33 15 0	33 15 0	33 15 0	33 15 0	33 15 0
Dairy and Farmyard Produce—												
Butter .. per lb.	1 11½	1 11½	1 11½	1 11½	1 11½	1 11½	1 11½	1 11½	1 11½	1 11½	1 11½	1 11½
Bacon .. "	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 6
Ham .. "	2 9	2 9	2 9	2 9	2 9	2 9	2 9	2 9	2 9	2 9	2 9½	3 3
Cheese (matured) .. "	1 7	1 7	1 7	1 7	1 7	1 7	1 7	1 7	1 7	1 7	1 7	1 7
Honey .. "	0 7½	0 7½	0 7½	0 7½	0 7½	0 7½	0 7½	0 7½	0 7½	0 7½	0 9	0 9
Eggs .. per doz.	3 3	2 10½	2 9	2 9	2 9½	3 1½	3 4	3 6½	3 8	3 11½	4 0	4 0
Butchers' Meat—												
Beef, prime .. per 100 lb.	4 11 8	4 14 10½	4 19 8	5 2 10½	5 5 5½	4 17 4	4 14 4½	4 16 0	5 18 0	5 10 10	5 8 0	6 4 2
	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>
Mutton .. per lb.	10-29	10-49	10-49	10-29	9-36	8-97	8-87	9-88	12-75	12-75	15-13	22-25
Veal .. "	9-25	8-75	8-12	8-25	11-50	12-50	11-83	14-00	14-67	15-00	13-67	15-67
Pork .. "	20-50	23-00	24-75	24-25	25-50	27-20	25-75	26-50	25-75	25-75	25-13	28-75
Lamb .. "	15-25	19-50	17-25	15-00	15-50	16-13	16-16	17-00	21-00	21-50	24-00	30-50

Land Settlement, &c.

The following table gives the monthly average of the Melbourne wholesale prices of the principal agricultural, dairying, and pastoral food products for the year ended June, 1952:—

**MELBOURNE—WHOLESALE PRICES—YEAR ENDED JUNE, 1952.**

	1951.						1952.					
	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May.	June.
<b>Agriculture—</b>												
Wheat .. per bushel	s. d. 7 10	s. d. 7 10	s. d. 7 10	s. d. 7 10	s. d. 7 10	s. d. 10 9½	s. d. 10 9½	s. d. 10 9½	s. d. 10 9½	s. d. 10 9½	s. d. 10 9½	s. d. 10 9½
Barley—												
English .. ..	7 8	7 8	7 8	7 8	7 8	7 8	12 7½	12 7½	12 7½	12 7½	12 7½	12 7½
Cape .. ..	7 4½	7 4½	7 4½	7 4½	7 4½	7 4½	11 5	11 5	11 5	11 5	11 5	11 5
Oats, Milling .. ..	10 6	10 3	10 3	10 3	10 9	11 6	11 6	11 0	11 3	11 2	9 9	8 4
Maize .. ..	22 0	21 0	21 0	21 0	21 0	21 0	21 0	21 0	21 0	21 0	21 0	23 6
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Bran .. .. per ton.	13 17 6	14 18 0	14 18 0	14 18 0	14 18 0	14 18 0	21 8 0	21 8 0	21 8 0	21 8 0	21 8 0	21 8 0
Pollard .. ..	13 17 6	14 18 0	14 18 0	14 18 0	14 18 0	14 18 0	21 8 0	21 8 0	21 8 0	21 8 0	21 8 0	21 8 0
Flour (first quality) ..	21 6 7	22 5 10	22 5 10	22 5 10	22 5 10	22 5 10	24 15 10	24 15 10	24 15 10	24 15 10	25 0 10	25 0 10
Chaff .. ..	19 10 0	19 10 0	19 10 0	19 10 0	19 10 0	20 0 0	20 10 0	20 0 0	20 0 0	20 0 0	20 0 0	19 10 0
Potatoes .. ..	28 0 0	30 0 0	30 0 0	32 0 0	46 0 0	46 0 0	33 10 0	33 10 0	33 10 0	33 10 0	33 10 0	33 10 0
Onions .. ..	32 5 0	61 19 6	61 19 6	61 19 6	100 0 0	45 0 0	45 0 0	41 4 0	41 4 0	41 4 0	41 4 0	41 4 0
<b>Dairy and Farmyard Produce—</b>												
Butter .. per lb.	s. d. 1 11½	s. d. 1 11½	s. d. 2 10½	s. d. 2 10½	s. d. 2 10½	s. d. 2 10½	s. d. 2 10½	s. d. 2 10½	s. d. 2 10½	s. d. 2 10½	s. d. 2 10½	s. d. 2 10½
Bacon .. ..	2 6	2 9	2 9	3 4	3 9	3 6	3 6	3 6	3 6	3 7	3 10	3 10
Ham .. ..	3 3	3 4	3 4	3 9	4 3	4 2	3 9	4 0	4 0	4 0	4 0	4 0
Cheese (matured) ..	1 7	1 7	2 2½	2 2½	2 2½	2 2½	2 2½	2 3	2 3	2 3	2 3	2 3
Honey .. ..	0 9	0 9	0 9	0 9	0 9	0 9	0 9	0 9	0 11	0 11	0 11	0 11
Eggs .. per doz.	4 0	4 0	4 0	3 9	3 9	4 5	4 5	4 5	4 9	5 1	5 1	5 1
<b>Butchers' Meat—</b>												
Beef, prime .. per 100 lb.	£ s. d. 6 8 3½	£ s. d. 7 5 11½	£ s. d. 7 3 10	£ s. d. 6 10 10	£ s. d. 5 18 9	£ s. d. 6 3 11½	£ s. d. 6 0 5	£ s. d. 6 13 9	£ s. d. 7 0 0	£ s. d. 7 8 10	£ s. d. 7 9 3	£ s. d. 8 1 8
Mutton .. per lb.	20-00	19-13	16-43	11-63	8-75	9-38	8-44	9-62	10-06	10-56	10-19	9-94
Veal .. ..	14-00	14-67	14-67	15-68	15-17	15-75	15-17	17-17	17-33	16-50	18-00	18-00
Pork .. ..	28-75	28-75	31-63	33-00	32-25	32-50	32-50	30-81	30-50	29-75	31-00	33-13
Lamb .. ..	30-50	33-25	26-75	19-44	17-00	17-81	19-25	22-37	23-50	24-50	25-25	25-25

Retail  
Prices.

The following table gives the monthly average of the Melbourne retail prices of certain items of groceries, &c., for the year ended June, 1951:—

MELBOURNE—RETAIL PRICES—YEAR ENDED JUNE, 1951.

Article.	Unit.	1950.						1951.					
		July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May.	June.
		<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>
Groceries, &c.—													
Bread .. .. .	2 lb.	8-50	8-50	8-50	8-50	8-50	8-50	9-50	9-50	9-50	10-00	10-00	10-00
Flour, self-raising .. .. .	.. .. .	10-00	10-00	10-00	10-00	10-00	10-05	11-40	12-00	12-10	12-10	12-10	12-00
Tea .. .. .	lb.	40-00	40-00	40-00	40-00	40-00	40-00	46-00	45-75	46-05	46-00	46-00	46-00
Sugar .. .. .	.. .. .	5-00	5-00	5-00	5-00	5-00	5-00	5-00	5-00	5-00	5-00	5-00	5-00
Jam, plum .. .. .	1½ lb.	16-85	16-90	16-90	16-90	17-00	17-00	17-00	18-55	19-05	19-35	19-35	19-45
Oats, flaked .. .. .	lb.	6-84	6-47	6-41	6-47	6-47	6-53	6-61	6-79	7-08	7-92	8-07	9-42
Raisins, seeded .. .. .	.. .. .	18-67	19-71	20-00	20-25	19-83	19-80	20-40	22-40	27-33	27-71	27-86	27-86
Currants .. .. .	.. .. .	15-57	15-50	15-50	15-50	15-38	15-29	15-29	16-81	16-75	18-75	19-81	19-81
Apricots, dried .. .. .	.. .. .	25-17	25-17	25-17	25-17	25-17	25-17	25-17	25-17	33-46	39-21	46-00	47-00
Peaches, canned .. .. .	30 oz.	20-69	20-78	20-78	20-89	20-72	20-72	20-70	20-75	21-06	22-58	26-00	26-00
Pears, canned .. .. .	.. .. .	22-00	22-10	22-15	22-20	22-06	21-94	22-00	21-95	22-07	23-42	26-00	26-00
Potatoes .. .. .	7 lb.	25-73	23-36	26-00	28-00	28-00	30-92	26-50	27-50	26-83	28-00	28-00	28-00
Onions, brown .. .. .	lb.	3-67	3-58	3-58	5-00	5-00	5-00	5-00	5-25	5-10	5-00	5-00	5-00
Dairy Produce—													
Butter, factory .. .. .	lb.	26-35	26-35	26-35	26-35	26-35	26-35	26-35	26-35	26-35	26-35	26-35	26-35
Eggs, new laid .. .. .	doz.	44-00	37-90	37-80	37-80	37-80	41-00	45-10	47-00	48-80	53-80	53-90	53-90
Bacon, rashers .. .. .	lb.	44-25	44-25	44-38	44-63	44-75	44-75	44-63	48-88	49-38	49-75	50-00	50-00
Milk, fresh .. .. .	quart	11-68	11-68	11-40	11-39	11-42	11-42	11-40	13-25	13-25	13-25	14-25	14-25
Meat—													
Beef, .. .. .	lb.	September Quarter			December Quarter			March Quarter			June Quarter		
Beef, .. .. .	.. .. .	21-17			24-28			25-37			28-06		
Beef, .. .. .	.. .. .	17-97			21-29			22-73			24-91		
Beef, .. .. .	.. .. .	30-23			34-25			36-15			39-09		
Beef, .. .. .	.. .. .	15-13			17-99			19-27			22-37		
Beef, .. .. .	.. .. .	13-37			14-94			16-08			17-61		
Beef, .. .. .	.. .. .	20-17			23-33			25-05			27-41		
Beef, .. .. .	.. .. .	14-22			17-40			18-21			20-54		
Mutton, leg .. .. .	.. .. .	15-40			17-95			19-38			23-58		
Mutton, .. .. .	.. .. .	9-48			11-79			12-34			16-40		
Mutton, .. .. .	.. .. .	14-54			16-56			19-33			25-45		
Mutton, .. .. .	.. .. .	15-28			17-42			19-52			24-45		
Mutton, .. .. .	.. .. .	15-93			18-21			20-32			24-64		
Pork, leg .. .. .	.. .. .	33-33			36-88			37-57			37-97		
Pork, .. .. .	.. .. .	34-67			38-05			38-88			39-71		

Land Settlement, &c.



**Retail  
Prices.**

The following table gives the monthly average of the Melbourne retail prices of certain items of groceries, &c., for the year ended June, 1952:—

**MELBOURNE—RETAIL PRICES—YEAR ENDED JUNE, 1952.**

Article.	Unit.	1951.						1952.						
		July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May.	June.	
		d.	d.	d.	d.	d.	d.	d.	d.	d.	d.	d.	d.	
<b>Groceries, &amp;c.—</b>														
Bread .. ..	2 lb.	10-00	10-00	10-00	10-00	11-50	11-50	12-00	12-00	12-00	12-00	12-00	12-00	
Flour, self-raising .. ..	"	12-00	12-00	12-89	12-94	12-75	12-78	13-50	13-60	13-70	13-50	13-50	14-85	
Tea .. ..	lb.	46-00	46-00	46-00	46-00	47-00	47-00	47-00	47-00	47-00	47-00	47-00	47-00	
Sugar .. ..	"	6-50	6-50	6-50	6-50	6-50	6-50	6-50	6-50	6-50	6-50	6-50	6-50	
Jam, plum .. ..	1½ lb.	19-55	19-55	19-55	19-90	21-40	21-50	21-55	21-55	27-00	27-00	27-20	27-20	
Oats, flaked .. ..	lb.	9-42	10-08	10-29	10-88	10-83	10-83	10-83	10-83	10-83	10-83	10-83	11-00	
Raisins, seeded .. ..	"	28-00	27-71	27-71	27-83	27-78	27-89	27-88	27-88	28-20	29-75	30-56	31-69	
Currants .. ..	"	20-13	20-69	20-69	20-63	20-69	20-67	20-56	20-50	20-81	21-19	21-19	21-43	
Apricots, dried .. ..	"	47-00	46-33	45-67	46-00	46-33	46-33	46-33	47-00	47-00	52-75	52-00	53-88	
Peaches, canned .. ..	30 oz.	26-00	26-00	26-00	26-00	26-05	26-10	26-10	26-10	26-10	28-58	33-50	33-50	
Pears, canned .. ..	"	26-00	26-07	26-06	26-15	26-20	26-20	26-20	26-20	26-20	29-17	35-85	35-85	
Potatoes .. ..	7 lb.	28-00	28-00	29-12	36-36	44-92	42-00	34-77	35-00	35-00	35-00	35-00	35-00	
Onions, brown .. ..	lb.	5-00	9-00	9-00	18-00	18-00	9-00	9-00	6-00	6-00	6-00	6-00	6-00	
<b>Dairy Produce—</b>														
Butter, factory .. ..	lb.	26-35	26-35	37-95	37-95	37-95	37-95	37-95	37-95	37-95	37-95	37-95	37-95	
Eggs, new laid .. ..	doz.	53-90	53-90	53-90	50-90	50-90	60-00	65-00	65-00	65-00	65-00	70-00	70-00	
Bacon, rashers .. ..	lb.	50-00	52-63	53-13	54-00	66-69	67-00	65-89	67-00	67-00	67-00	67-00	67-38	
Milk, fresh .. ..	quart	14-25	14-25	14-25	14-25	14-25	14-25	14-25	16-50	16-50	16-50	16-50	16-50	
<b>Meat—</b>														
		September Quarter				December Quarter			March Quarter			June Quarter		
Beef, sirloin .. ..	lb.	30-91	32-20	32-69	32-20	32-20	32-69	32-69	32-69	32-69	32-69	32-69	38-05	
" rib .. ..	"	27-65	28-20	28-20	28-20	28-20	28-99	28-99	28-99	28-99	28-99	28-99	33-51	
" steak, rump .. ..	"	41-62	43-20	43-53	43-20	43-20	43-53	43-53	43-53	43-53	43-53	43-53	47-75	
" chuck .. ..	"	24-00	25-23	25-23	25-23	25-23	25-32	25-32	25-32	25-32	25-32	25-32	32-41	
" sausages .. ..	"	19-00	19-81	19-81	19-81	19-81	20-50	20-50	20-50	20-50	20-50	20-50	21-21	
" corned silverside .. ..	"	29-94	31-74	31-74	31-74	31-74	32-81	32-81	32-81	32-81	32-81	32-81	37-25	
" brisket .. ..	"	22-00	23-17	23-17	23-17	23-17	24-05	24-05	24-05	24-05	24-05	24-05	29-64	
Mutton, leg .. ..	"	26-96	25-24	25-24	25-24	25-24	25-07	25-07	25-07	25-07	25-07	25-07	26-93	
" forequarter .. ..	"	20-72	17-59	17-59	17-59	17-59	16-40	16-40	16-40	16-40	16-40	16-40	18-15	
" loin .. ..	"	26-39	24-92	24-92	24-92	24-92	23-75	23-75	23-75	23-75	23-75	23-75	25-89	
" chops, loin .. ..	"	27-28	26-07	26-07	26-07	26-07	25-79	25-79	25-79	25-79	25-79	25-79	26-65	
" leg .. ..	"	27-37	25-94	25-94	25-94	25-94	26-42	26-42	26-42	26-42	26-42	26-42	27-59	
Pork, leg .. ..	"	41-24	45-55	45-55	45-55	45-55	44-79	44-79	44-79	44-79	44-79	44-79	46-33	
" chops .. ..	"	42-76	46-40	46-40	46-40	46-40	46-54	46-54	46-54	46-54	46-54	46-54	47-70	

**FORESTRY.**

**Administration.** The forests of the State comprise both reserved and protected areas and are controlled by a Commission appointed in 1919.

**Forest Area.** At the 30th June, 1951, the area of reserved forest was 4,986,850 acres, much of which can be classed only as protection forest and is not strictly speaking timber producing. It is estimated that there are 10,000,000 acres of Crown lands in the State carrying merchantable timber.

**Protected Forests.** In addition to the 4,986,850 acres aforementioned, there were 164,621 acres reserved as Timber Reserves under the Land Acts. Including these reserves, but excluding areas reserved as sites for Gardens, Parks, and Recreation Purposes, all remaining Crown lands have been proclaimed "Protected Forests". It should not be assumed, however, that all of these lands are "forests" as the term is generally understood, as over 6,000,000 acres comprise roads, water frontages, beds of rivers and lakes, and unsold land in cities, towns, and boroughs. In addition, on the area of more than 8,000,000 acres in occupation under grazing and other leases, much of the timber is of little or no commercial value because of remoteness, inaccessibility, or other causes.

**Forests Output.** The output of sawn timber from State Forests in 1950-51 was 26,257,023 cubic feet. In addition 26,514,480 cubic feet of fuel timber and 5,770,617 cubic feet of miscellaneous timber were produced.

Particulars of sawn timber and firewood, from all sources, will be found in part "Factories" &c., of the *Year-Book*.

**Softwood Plantations.** The area planted during the 1950 planting season was 2,630 acres, comprising restocking cut-over areas, 50 acres; new planting 2,169 acres; and renewals 411 acres. The effective plantation area at 30th June, 1951, was 54,265 acres.

**Plantation Output.** The output of plantation-grown softwood timber represented the highest yield so far achieved. Excluding pulpwood, the total production amounted to 14,171,310 superficial feet.

**Other Commercial Softwood Plantations.** There are not many private commercial plantations of softwoods in Victoria. The largest is at Dartmoor, near the South Australian border, where a company holds 11,361 acres. Of this area 9,000 acres are in Victoria and approximately 6,000 acres thereof have been planted. The same company holds 1,200 acres at Rosebud (650 acres planted).

The Ballarat Water Commission has an area of approximately 3,500 acres available for afforestation, of which 1,100 acres are planted with conifers. Its present planting programme provides for 50,000 trees (100 acres) per annum.

Trees and forest thinnings, down to a diameter of about five inches, are utilized in the Commission's case-making plant, the value of the output of which amounts approximately to £60,000 per annum. Smaller diameter thinnings are disposed of for paper pulping purposes.

Severe damage to the plantations was caused by the bush fires of 1939, about 240,000 trees being destroyed. This area has now been reafforested. The number of effective conifers growing on the Commission's Reserves is 643,000.

**Timber salvage from burnt-out areas.** Following upon the disastrous bush fires of 1939 (references to which appeared on pages 5, 286, 494, and 495 of the 1938-39 issue of the *Year-Book*) it was estimated that of the 2,000,000,000 superficial feet of fire-killed timber, 916,000,000 superficial feet could be recovered. This target was attained by May, 1945. Under the provisions of the *State Forests (Timber Salvage) Loan and Application Act* 1939, salvage of Mountain Ash and Alpine Ash timber is still proceeding at a satisfactory rate and up to 30th June, 1951, 1,403,146,592 superficial feet of timber had been recovered and 1,368,266,729 feet had been utilized. This represents an excess of 452,000,000 feet over the original estimate.

**Nurseries.** To encourage the growth of softwoods or conifers in both State and private plantations, three large nurseries have been established at Creswick, Macedon, and Broadford. In addition to providing trees for the plantations, the nurseries supply considerable numbers of plants at low rates to State schools, public bodies, and private applicants. This has proved of great benefit to the community by fostering an interest in tree planting generally, and especially by encouraging farmers to plant trees to afford protection to their homesteads and to provide shade and shelter for their flocks and herds. The Commission also has a nursery at Wail (in the Wimmera) which specializes in the propagation of species suitable for planting in the dryer areas of the State. Despatches of plants from all nurseries numbered, 2,806,500 during 1950-51.

**Forestry Fund.** Particulars in respect of this fund (established in 1918) will be found on page 355 of the 1943-44 issue of the *Year-Book*.

**Revenue and Expenditure.** The revenue derived from forest sources during the financial year 1950-51 was £1,409,575, and the expenditure £2,693,886—£769,184 of which was paid out of the Consolidated Revenue, £1,589,726 out of loan funds, and the balance (334,976) from the Forestry Fund.

**Silviculture of indigenous Forests.** The various types of silvicultural operations in the indigenous forests over the period 1947-48 to 1950-51 are indicated in the following table:—

VICTORIA—SILVICULTURAL OPERATIONS IN STATE FORESTS, 1947-48 TO 1950-51.

Nature of Work.	Year ended 30th June—			
	1948.	1949.	1950.	1951.
	Acres.	Acres.	Acres.	Acres.
First thinning .. .. .	7,903	6,870	5,392	9,624
Second or subsequent thinning ..	1,826	2,540	2,310	2,348
Regeneration or liberation treatment by ring-barking .. .. .	4,326	5,286	3,236	7,316
Removal of surplus coppice ..	15,157	15,273	16,079	13,873
Total area treated ..	29,212	29,969	27,017	33,161

**The Wood-Pulp Agreement Act.**

The *Wood-Pulp Agreement Act* 1936 (No. 4451) passed on 27th December, 1936, is "an Act to ratify validate approve and otherwise give effect to an agreement between the Minister of Forests, the Forests Commission, and Australian Paper Manufacturers Limited with respect to the establishment of the wood-pulp industry". Details of the agreement will be found in previous issues of the *Year-Book*.

**Production of wood-pulp.**

The first manufacturing unit—the Pilot Mill—erected in accordance with the above-mentioned agreement came into production in January, 1938, with a capacity production of 3,000 tons of air-dried pulp per annum. The main mill, which commenced production in October, 1939, has a capacity output of approximately 30,000 tons of kraft pulp per annum.

**Supply of pulp-wood from State forests.**

Consignment of pulp-wood from the State forests to the mill at Maryvale commenced in October, 1937. During the year 1950-51, the quantities of pulp-wood obtained from the State forests totalled 1,463,405 cubic feet as compared with 3,334,459 cubic feet in 1949-50. The procurement decrease of 1,871,054 feet is explained by the knowledge that Australian Paper Manufacturers Limited drew on its stock pile at Maryvale in addition to concentrating on the removal of fire-killed pine from South Australian plantations.