



1994-95

PRINCIPAL AGRICULTURAL COMMODITIES

WESTERN AUSTRALIA PRELIMINARY

1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	1460	1461	1462	1463	1464	1465	1466	1467	1468	1469	1470	1471	1472	1473	1474	1475	1476	1477	1478	1479	1480	1481	1482	1483	1484	1485	1486	1487	1488	1489	1490	1491	1492	1493	1494	1495	1496	1497	1498	1499	1500	1501	1502	1503	1504	1505	1506	1507	1508	1509	1510	1511	1512	1513	1514	1515	1516	1517	1518	1519	1520	1521	1522	1523	1524	1525	1526	1527	1528	1529	1530	1531	1532	1533	1534	1535	1536	1537	1538	1539	1540	1541	1542	1543	1544	1545	1546	1547	1548	1549	1550	1551	1552	1553	1554	1555	1556	1557	1558	1559	1560	1561	1562	1563	1564	1565	1566	1567	1568	1569	1570	1571	1572	1573	1574	1575	1576	1577	1578	1579	1580	1581	1582	1583	1584	1585	1586	1587	1588	1589	1590	1591	1592	1593	1594	1595	1596	1597	1598	1599	1600	1601	1602	1603	1604	1605	1606	1607	1608	1609	1610	1611	1612	1613	1614	1615	1616	1617	1618	1619	1620	1621	1622	1623	1624	1625	1626	1627	1628	1629	1630	1631	1632	1633	1634	1635	1636	1637	1638	1639	1640	1641	1642	1643	1644	1645	1646	1647	1648	1649	1650	1651	1652	1653	1654	1655	1656	1657	1658	1659	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	1670	1671	1672	1673	1674	1675	1676	1677	1678	1679	1680	1681	1682	1683	1684	1685	1686	1687	1688	1689	1690	1691	1692	1693	1694	1695	1696	1697	1698	1699	1700	1701	1702	1703	1704	1705	1706	1707	1708	1709	1710	1711	1712	1713	1714	1715	1716	1717	1718	1719	1720	1721	1722	1723	1724	1725	1726	1727	1728	1729	1730	1731	1732	1733	1734	1735	1736	1737	1738	1739	1740	1741	1742	1743	1744	1745	1746	1747	1748	1749	1750	1751	1752	1753	1754	1755	1756	1757	1758	1759	1760	1761	1762	1763	1764	1765	1766	1767	1768	1769	1770	1771	1772	1773	1774	1775	1776	1777	1778	1779	1780	1781	1782	1783	1784	1785	1786	1787	1788	1789	1790	1791	1792	1793	1794	1795	1796	1797	1798	1799	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	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**PRINCIPAL AGRICULTURAL COMMODITIES
WESTERN AUSTRALIA
PRELIMINARY
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**W. McLennan
Australian Statistician**

AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 7111.5

August 1995



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Lambing Ratio	3																
Dairy Cattle	4																
Beef Cattle	4																

INQUIRIES

- *for more information about statistics in this publication and the availability of related unpublished statistics, contact the following officers:*
for agricultural statistics, Mr Frank McCallum on Hobart (002) 20 5939,
Fax (002) 20 5879; for general queries, any ABS State office.
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SUMMARY OF FINDINGS

Preliminary Western Australia estimates from the 1994-95 Agricultural Census show:

CROPS

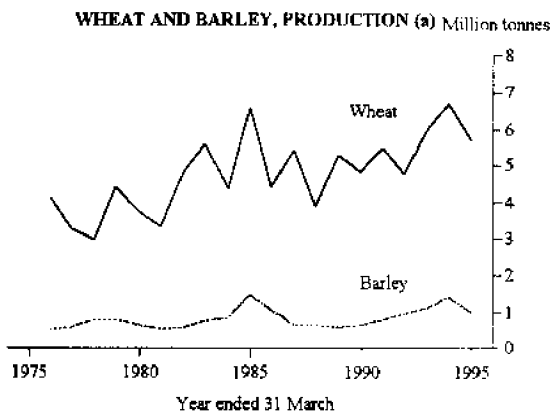
Wheat

The area of wheat for grain planted during the 1994-95 season was 4 million hectares. This was up by 3 per cent on the 3.9 million hectares planted during the previous year.

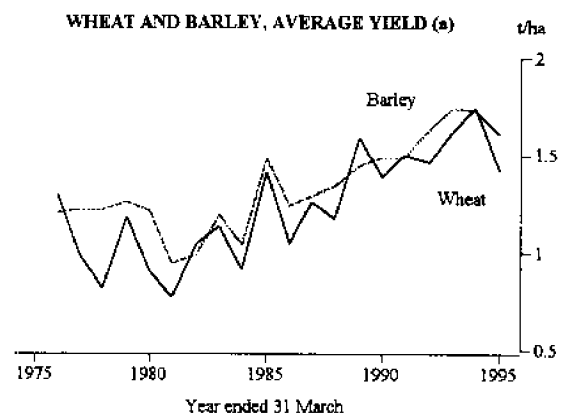
Wheat production of 5.7 million tonnes for 1994-95 was down 16 per cent on the 6.7 million tonnes harvested in 1993-94. This was reflected in the average yield which was 1.4 tonnes per hectare compared with 1.7 tonnes per hectare in the 1993-94 season.

Barley

The area of barley planted in 1994-95 fell to 590 thousand hectares from 799 thousand hectares in 1993-94, a drop of 26 per cent. Production was 32 per cent lower at 945 thousand tonnes in 1994-95. The average yield decreased from 1.7 tonnes per hectare to 1.6 tonnes per hectare.



(a) See paragraph 4 of the Explanatory Notes.



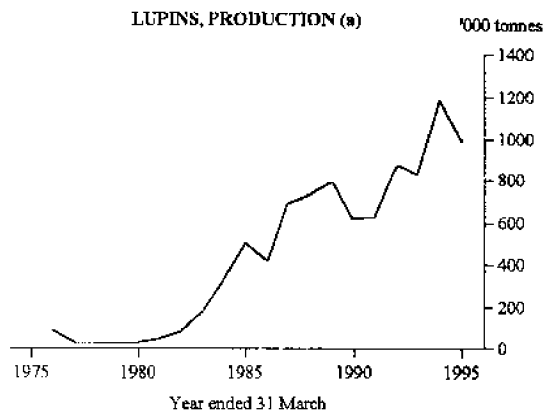
(a) See paragraph 4 of the Explanatory Notes.

Oats

The production of Oats for grain was down by 15 per cent to 435 thousand tonnes. The yield also decreased, from 1.9 tonnes per hectare in 1993-94 to 1.7 in 1994-95.

Lupins

The area planted to lupins in 1994-95 was 1.2 million hectares, 25 per cent higher than the 929 thousand hectares planted in 1993-94. Production of lupins was 16 per cent lower at 989 thousand tonnes in 1994-95.

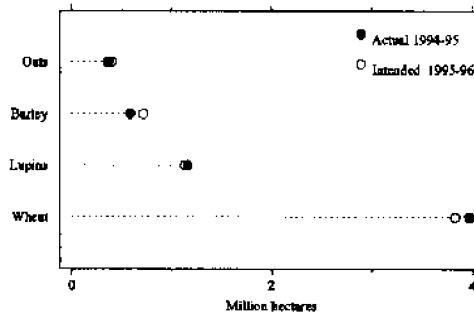


(a) See paragraph 4 of the Explanatory Notes.

Intended sowings

Growers have reported that their intended sowings in 1995-96 for barley are 717 thousand hectares, up 17 per cent on the figure for the previous year and 22 per cent greater than actual sowings. For wheat, intended sowings are 3.8 million hectares, down 2 per cent on the previous year's expectations. The amount of wheat actually sown in 1994-95 was 4 per cent higher than the amount intended to be sown in 1995-96. Intended sowings of oats for 1995-96 are 398 thousand hectares, up 12 per cent on intended sowings in 1994-95. The 1995-96 intended sowings for oats were 9 per cent higher than the amount actually sown in 1994-95. Expected sowing of lupins in 1995-96 are 3 per cent below the 1994-95 intended figure. Intended sowings of lupins in 1995-96 are 3 per cent lower than actual sowings in 1994-95.

ACTUAL SOWINGS FOR 1994-95 AND INTENDED SOWINGS FOR 1995-96 FOR ALL PURPOSES

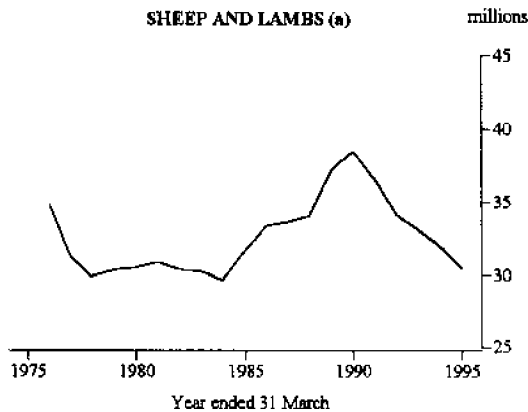


LIVESTOCK

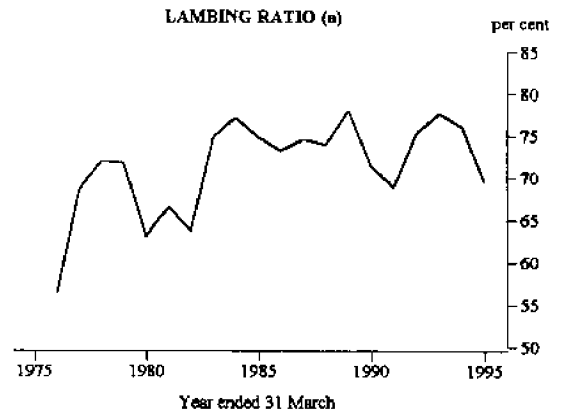
Sheep and lambs

The preliminary estimate for the total flock of sheep and lambs at 31 March 1995 was 30.4 million, 5 per cent down on the 1994 figure. There were 11 per cent fewer lambs and hoggets aged under one year and 3 per cent fewer other sheep.

There were 13.1 million sheep mated during the year ended March 1995. From these matings 9.1 million lambs were marked. Although matings were little changed (up by less than 1 per cent), the number of lambs marked fell by 8 per cent. For the 1993-94 season 76 per cent of matings resulted in lambs being marked. This ratio fell to 70 per cent in 1994-95.



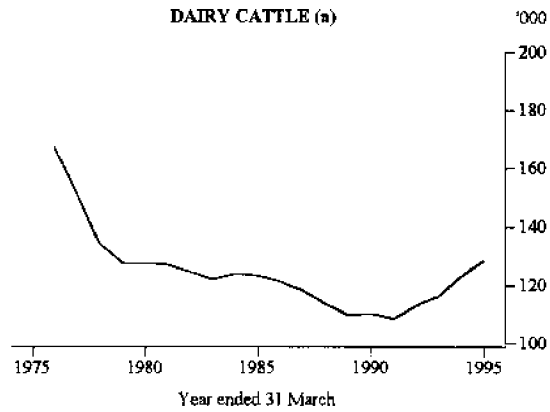
(a) See paragraph 4 of the Explanatory Notes.



(a) See paragraph 4 of the Explanatory Notes.

Dairy cattle

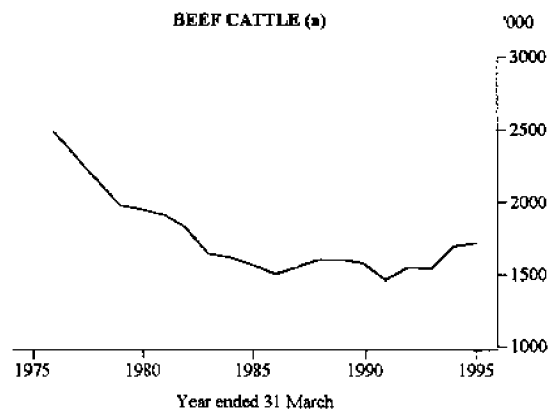
The Western Australian dairy cattle herd increased from 123 thousand at 31 March 1994 to 128 thousand at 31 March 1995, an increase of 4 per cent. The number of dairy cattle has increased each year since 1991.



(a) See paragraph 4 of the Explanatory Notes.

Beef cattle

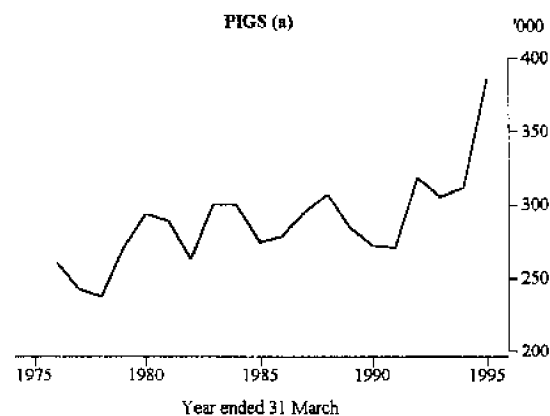
Beef cattle numbers increased by 2 per cent during the year ended 31 March 1995 to 1,714 thousand. Bulls and bull calves for service rose 2 per cent during the period, and other calves rose by 4 per cent, while cows and heifers aged over one year increased by 1 per cent.



(a) See paragraph 4 of the Explanatory Notes.

Pigs

Pig numbers in Western Australia increased by 24 per cent from the 31 March 1994 to 31 March 1995, to 386 thousand.



(a) See paragraph 4 of the Explanatory Notes.

PRINCIPAL CROPS

TABLE 1. AREA INTENDED TO BE SOWN TO CEREAL CROPS FOR ALL PURPOSES (a), YEARS ENDED 31 MARCH 1995 TO 1996

	<i>Intended sowings 1995</i>	<i>Actual sowings 1995p</i>	<i>Intended sowings 1996p</i>	<i>Change 1996p over 1995 (%) (b)</i>	<i>Standard error (%) (c)</i>
<i>'000 hectares</i>					
Barley	611.6	590.1	717.3	17.3	1.4
Oats	354.5	364.3	398.1	12.3	1.5
Wheat	3,883.8	3,974.0	3,826.4	-1.5	0.7
Lupins	1,167.3	1,160.9	1,129.4	-3.2	1.0

(a) The area intended to be sown during 1996 is presented as a possible basis for forecasting the total area to be sown for that season. But, because of the possibility of later changes in intention caused by unforeseen circumstances such as adverse climatic or economic conditions, this estimate may not necessarily be the area actually sown during the current season.
 (b) Percentage change of 1996 intended sowings over 1995 intended sowings.
 (c) Standard errors are calculated on 1996 preliminary estimates for intended sowings.

TABLE 2. AREA AND PRODUCTION OF PRINCIPAL CROPS, YEARS ENDED 31 MARCH 1992 TO 1995 (a)

	<i>1992</i>	<i>1993</i>	<i>1994</i>	<i>1995p</i>	<i>Change 1995p over 1994 (%) (b)</i>	<i>Standard error (%) (b)</i>
<i>Area ('000 hectares)</i>						
Cereals for grain						
Barley	554.5	611.1	799.3	590.1	-26.2	1.5
Oats	367.2	331.6	268.5	261.0	-2.8	1.8
Wheat	3,229.9	3,669.3	3,852.4	3,974.0	3.2	0.6
Other crops						
Lupins	786.6	822.8	928.7	1,160.9	25.0	1.2
<i>Production ('000 tonnes)</i>						
Cereals for grain						
Barley	899.6	1,060.9	1,381.4	945.4	-31.6	1.6
Oats	614.3	577.9	511.1	434.8	-14.9	1.8
Wheat	4,736.0	5,978.9	6,689.3	5,651.8	-15.5	0.7
Other crops						
Lupins	873.8	826.5	1,181.1	989.1	-16.3	1.7
<i>Yield (tonnes per hectare)</i>						
Cereals for grain						
Barley	1.6	1.7	1.7	1.6	-7.5	n.a.
Oats	1.7	1.7	1.9	1.7	-12.1	n.a.
Wheat	1.5	1.6	1.7	1.4	-18.4	n.a.
Other crops						
Lupins	1.1	1.0	1.3	0.9	-33.1	n.a.

(a) See paragraph 4 of the Explanatory Notes.

(b) Standard errors are calculated on the 1995 preliminary estimates for area and production of principal crops.

LIVESTOCK

TABLE 3. SHEEP, YEARS ENDED 31 MARCH 1992 TO 1995 (a)

	1992	1993	1994	1995p	Change	Standard
					1995p over 1994 (%)	error (%) (b)
	('000)					
Lambs and hoggets under one year	6,173.4	7,263.1	7,513.8	6,728.0	-10.5	1.0
Other sheep	27,887.1	25,701.6	24,437.7	23,645.2	-3.2	0.6
Total	34,060.5	32,964.7	31,951.5	30,373.3	-4.9	1.6

(a) See paragraph 4 of the Explanatory Notes.

(b) Standard errors are calculated on the 1995 preliminary estimate of sheep numbers.

TABLE 4. MATINGS AND LAMBINGS, YEARS ENDED 31 MARCH 1993 TO 1996 (a)

	1993	1994	1995	1996p	Standard
					error (%) (b)
	('000)				
Farmers' forecast of intended matings of ewes for lambing					
To merino rams	11,754.7	11,150.0	11,550.5	11,524.3	0.7
To rams of other breeds	1,817.2	1,988.1	2,398.0	2,084.4	1.6
Total intended matings	13,571.9	13,138.1	13,948.4	13,608.7	2.3
Actual matings	12,846.3	12,988.2	13,085.7p	n.y.a.	n.a.
Lambs marked	9,967.2	9,874.0	9,095.0p	n.y.a.	n.a.
	Per cent				
Actual matings as a percentage of intended matings	94.7	98.9	93.8p	n.a.	n.a.
Lambs marked as a percentage of actual matings	77.6	76.0	69.5p	n.a.	n.a.

(a) See paragraph 4 of the Explanatory Notes.

(b) Standard errors are calculated on the 1996 preliminary estimates for intended matings.

TABLE 5. CATTLE, YEARS ENDED 31 MARCH 1992 TO 1995 (a)

	1992	1993	1994	1995p	Change	Standard
					1995p over 1994 (%)	error (%) (b)
	('000)					
Dairy cattle						
Cows, in milk and dry	68.1	69.8	73.8	75.3	2.0	1.4
Bulls and bull calves for service	1.0	1.0	1.2	53.0	7.5	2.9
Heifers and heifer calves	43.6	45.4	48.1			
Total dairy cattle	112.7	116.2	123.1	128.3	4.2	4.3
Beef cattle						
Bulls and bull calves for service	47.1	44.4	45.1	46.0	2.0	2.2
Other calves one year and under	373.8	364.7	398.5	413.9	3.9	3.0
Cows and heifers, one year and over						
For beef and herd replacement	781.7	656.7	784.2	958.3	0.8	1.8
Other		187.7	166.4			
Other cattle	333.8	278.5	288.4	295.4	2.4	14.1
Total beef cattle	1,536.4	1,532.0	1,682.6	1,713.6	1.8	21.1
Total all cattle	1,649.1	1,648.2	1,805.7	1,841.9	2.0	25.4

(a) See paragraph 4 of the Explanatory Notes.

(b) Standard errors are calculated on the 1995 preliminary estimates for cattle numbers.

TABLE 6. PIGS, YEARS ENDED 31 MARCH 1992 TO 1995 (a)

	1992	1993	1994	1995p	Change 1995p over 1994 (%)	Standard error (%) (b)
Total pigs	317.8	305.3	311.6	385.7	23.8	2.9

(a) See paragraph 4 of the Explanatory Notes.

(b) Standard errors are calculated on 1995 preliminary estimates for pig numbers.

EXPLANATORY NOTES

Introduction

1. This publication contains preliminary agricultural estimates for the 1994-95 season, together with estimates of intended sowings of principal crops and intended ewe matings for the forthcoming season. Comparative data for the three previous years is also included.

Scope and coverage

2. From 1986-87 to 1990-91 the scope of the Census included those establishments undertaking agricultural activity and having an estimated value of agricultural operations (EVAO) of \$20,000 or more. Prior to 1986-87 the EVAO cut-off was \$2,500 or more. From 1991-92 to 1992-93, only those establishments with an EVAO of \$22,500 or more were included.

3. From 1993-94 the census is based on a scope of \$5,000 or more EVAO.

4. The figures shown in tables in this publication for 1993-94 and 1994-95 are based on the \$5,000 EVAO cut-off. The figures for 1991-92 and 1992-93 have not been adjusted to a \$5,000 EVAO basis and therefore are not comparable with later years. The data presented in the graphs are based on the scope of the collection which applied at the time.

Reliability of estimates

5. Since the estimates are based on a proportion (approximately 40%) of agricultural establishments selected for survey in 1994-95, they are subject to sampling variability. That is, they may differ from the figures that would have been produced if all units had been included.

6. One measure of the likely difference is given by the *standard error*, which indicates the extent to which an estimate might have varied because only a sample of units was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all units had been included and about nineteen chances in twenty that the difference will be less than two standard errors.

7. In this publication, sampling variability is measured by the relative standard error which is obtained by expressing the standard error as a percentage of the estimate to which it refers. The relative standard error is a useful measure, in that it provides an immediate indication of the percentage errors likely to have occurred due to sampling. It avoids the need to refer also to the size of the estimate.

8. As an example of the above, if a sample gives an estimate of 1,000 hectares and the relative standard error is five per cent then there would be two chances in three that, if all units were included, a figure within the range of 950 to 1,050 hectares would have been obtained. There would also be nineteen chances in twenty that the figure would lie within the range 900 to 1,100 hectares.

Symbols

kg	kilograms
n.a.	not available
n.y.a.	not yet available
p	preliminary - figure or series
t	tonnes
t/ha	tonnes per hectare

General

9. Revised estimates will be available in mid September this year when most of the Agricultural Census returns have been processed. Final results will be published early in 1996.

10. The ABS has a more detailed agricultural statistics on MS-DOS compatible floppy disk, compact disk, microfiche and magnetic tape. AgStats on floppy disk and compact disk offers a wider range of data aggregated at a smaller geographical areas than those generally available in printed publications. Both systems come complete with an easy-to-use, menu-driven interrogation facility.

11. Current publications and other standard products and services are listed in the Catalogue of Publications (1101.0). The catalogue is available from any ABS office.



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