

**SALES AND STOCKS OF
NEW TRACTORS :
AUSTRALIA
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DECEMBER QUARTER 1979

AUSTRALIAN BUREAU OF STATISTICS Canberra

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SALES AND STOCKS OF NEW TRACTORS, AUSTRALIA DECEMBER QUARTER 1979

INQUIRIES

If you want to know more about these statistics ring Mr Cyril Rees on Canberra (062) 525558 or our State office, or write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616

For copies of this publication contact Information Services, Canberra (062) 526627 or State offices.

EXPLANATORY NOTES

Introduction

The tables in this publication have been derived from the quarterly collection of tractor statistics from businesses which distribute the various makes of new tractors throughout Australia.

Definitions

2. A tractor is defined as a prime mover mounted on either wheels or tracks which has been designed for general use and which may be fitted with a variety of agricultural, earthmoving or materials-handling attachments. The following units are excluded from the statistics: (a) forklift trucks, (b) two-wheeled tractors, (c) road graders, scrapers and other integral units designed for specialised earthmoving or materials-handling purposes, (d) vehicles designed primarily to carry loads in which the ability to push or pull is incidental and (e) second-hand tractors.

3. Stocks refer to the number of new tractors held within Australia, at the end of each quarter by businesses which distribute the various makes. Tractors held by dealers, or which are in transit to them, are included. Also included are details of new tractors awaiting the attachment of ancillary equipment prior to sale.

4. Sales refer to the number of new tractors delivered or in transit to end-users or to manufacturers of tractor attachments.

5. Agricultural or non-agricultural (i.e. end-use) is determined on the basis of the principal purpose for which the purchaser intends to use the tractor (as far as this is known), e.g. in the case of a sale to a contractor, if the tractor is to be used principally for dam sinking or land clearing for agricultural development, such a sale is shown as 'agricultural' whereas if it is to be used principally for road construction or forestry work it is shown as 'non-agricultural'.

Seasonal adjustment

6. The publication contains seasonally adjusted sales statistics (see Table 6). In addition to being

adjusted for normal seasonal factors, the series has been adjusted for 'trading-day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays, etc., in each quarter). While the normal seasonal factors should change only gradually from year to year the trading-day adjustment for any quarter will vary from year to year in accordance with combination of days which occur in the quarter. Adjustment has also been made for the effects of movements in the date of Easter. The seasonally adjusted figures have been revised following annual reanalysis. Details of the methods used in seasonally adjusting this and other series are given in *Seasonally Adjusted Indicators, Australia* (1308.0).

Related publications

7. Other ABS publications which may be of interest are:

New Agricultural Machinery Statistics, Australia (8505.0)

Sales of New Construction Machinery, Industrial Tractors and Selected Attachments, Australia (8506.0)

Manufacturing Commodities, Selected Principal Articles Produced, Australia (8365.0)

Manufacturing Commodities, Principal Articles Produced, Australia (8303.0)

Overseas Trade, Part 1: Exports and Imports (5409.0)

Imports Cleared for Home Consumption: Part 2 Chapters 68-69 of the Customs Tariff (5413.0)

8. Current publications produced by the ABS are listed in *Catalogue of Publications* (1101.0) which is available free of charge from any ABS office.

Symbols and other usages

- n.p. not available for separate publication (but included in totals where applicable)
— nil or rounded to zero

R. J. CAMERON
Australian Statistician

TABLE 1. NEW TRACTORS : SALES DURING PERIOD AND STOCKS AT END OF PERIOD BY TYPE OF TRACTOR, AUSTRALIA (Number)

Period	Sales			Stocks		
	Wheeled	Crawler	Total	Wheeled	Crawler	Total
Year ended -						
June -						
1972	13,880	1,009	14,889	4,647	469	5,116
1973	17,088	1,338	18,426	3,517	316	3,833
1974	17,128	1,407	18,535	2,531	372	2,903
1975	17,368	1,249	18,617	7,545	912	8,457
1976	21,158	1,072	22,230	7,358	503	7,861
1977	20,667	921	21,588	10,225	465	10,690
1978	17,842	819	18,661	10,145	422	10,567
1979	18,391	861	19,252	8,469	361	8,830
Quarter ended -						
1976 -						
June	6,664	388	7,052	7,358	503	7,861
September	3,763	226	3,989	8,815	513	9,328
December	5,697	228	5,925	8,498	482	8,980
1977 -						
March	5,508	225	5,733	9,942	488	10,430
June	5,699	242	5,941	10,225	465	10,690
September	3,664	170	3,834	11,992	481	12,473
December	4,051	167	4,218	13,056	558	13,614
1978 -						
March	3,893	183	4,076	12,813	555	13,368
June	6,234	299	6,533	10,145	422	10,567
September	3,580	146	3,726	9,145	434	9,579
December	4,277	192	4,469	9,399	432	9,831
1979 -						
March	4,197	218	4,415	9,661	381	10,042
June	6,337	305	6,642	8,469	361	8,830
September	3,704	178	3,882	8,580	339	8,919
December	4,266	189	4,455	8,043	396	8,439

TABLE 2. NEW TRACTORS : SALES BY TYPE, POWER AND SHIPPING WEIGHT, AUSTRALIA (Number)

Power and shipping weight	Year ended -		Quarter ended				
	June 1978	June 1979	Dec. 1978	March 1979	June 1979	Sept. 1979	Dec. 1979
Wheeled tractors - max. P.T.O.							
Up to and including 30 kw	3,699	3,348	n.p.	n.p.	n.p.	n.p.	n.p.
Over 30 kw and up to 45 kw -							
2 wheel drive	4,078	4,243	n.p.	n.p.	n.p.	n.p.	n.p.
4 wheel drive	587	796	n.p.	n.p.	n.p.	n.p.	n.p.
Over 45 kw and up to 60 kw -							
2 wheel drive	3,121	2,902	540	663	1,097	402	542
4 wheel drive	847	944	211	217	305	197	208
Over 60 kw and up to 75 kw -							
2 wheel drive	2,140	2,401	330	556	1,119	218	373
4 wheel drive	235	245	67	49	85	90	85
Over 75 kw and up to 90 kw -							
2 wheel drive	900	945	158	241	375	156	176
4 wheel drive	193	161	37	44	50	55	59
Over 90 kw and up to 105 kw -							
2 wheel drive	794	1,074	226	270	430	72	85
4 wheel drive	118	105	18	19	51	33	30
Over 105 kw	1,130	1,227	256	369	384	212	241
Total - 2 wheel drive	15,066	15,011	3,558	3,400	5,158	2,899	3,436
4 wheel drive	2,836	3,380	719	797	1,179	805	830
Crawler tractors - shipping weight							
Up to and including 5,000 kg	148	136	33	32	55	21	22
Over 5,000 kg and up to 7,000 kg	129	125	26	28	50	24	25
Over 7,000 kg and up to 10,000 kg	115	121	21	33	36	47	48
Over 10,000 kg and up to 15,000 kg	231	220	60	51	70	44	48
Over 15,000 kg and up to 20,000 kg	91	128	n.p.	n.p.	n.p.	22	23
Over 20,000 kg	105	131	n.p.	n.p.	n.p.	19	23
Total	819	861	192	218	305	178	189

TABLE 3. NEW TRACTORS : SALES BY TYPE, END USE (a), POWER AND SHIPPING WEIGHT : AUSTRALIA (Number)

Power and shipping weight	Year ended -		Quarter ended -				
	June 1978	June 1979	Dec. 1978	March 1979	June 1979	Sept. 1979	Dec. 1979
Wheeled tractors sold for -							
Agricultural purposes							
Maximum P.T.O.							
Up to and including 30 kw	1,549	1,241	209	308	468	274	308
Over 30 kw and up to 45 kw	3,250	3,959	1,032	858	1,370	984	897
Over 45 kw and up to 60 kw	3,441	3,419	683	768	1,259	536	666
Over 60 kw and up to 75 kw	2,180	2,524	359	573	1,175	281	424
Over 75 kw and up to 90 kw	1,003	1,003	147	266	401	187	211
Over 90 kw and up to 105 kw	788	1,045	180	269	447	91	104
Over 105 kw	897	958	173	313	309	156	167
<i>Total - 2 wheel drive</i>	<i>11,257</i>	<i>11,647</i>	<i>2,269</i>	<i>2,760</i>	<i>4,538</i>	<i>1,863</i>	<i>2,182</i>
<i>4 wheel drive</i>	<i>1,851</i>	<i>2,502</i>	<i>514</i>	<i>595</i>	<i>891</i>	<i>646</i>	<i>595</i>
Non-agricultural purposes							
Maximum P.T.O.							
Up to and including 30 kw	2,130	2,107	n.p.	n.p.	n.p.	n.p.	n.p.
Over 30 kw and up to 45 kw	1,415	1,080	n.p.	n.p.	n.p.	n.p.	n.p.
Over 45 kw and up to 60 kw	527	427	68	112	143	63	84
Over 60 kw and up to 75 kw	196	122	38	32	29	38	34
Over 75 kw and up to 90 kw	107	103	48	19	24	24	24
Over 90 kw and up to 105 kw	126	134	64	20	34	14	11
Over 105 kw	233	269	83	56	75	56	74
<i>Total - 2 wheel drive</i>	<i>3,768</i>	<i>3,364</i>	<i>1,289</i>	<i>640</i>	<i>620</i>	<i>1,036</i>	<i>1,254</i>
<i>4 wheel drive</i>	<i>966</i>	<i>878</i>	<i>205</i>	<i>202</i>	<i>288</i>	<i>159</i>	<i>235</i>
Total wheeled tractors							
2 wheel drive	15,025	15,011	3,558	3,400	5,158	2,899	3,436
4 wheel drive	2,817	3,380	719	797	1,179	805	830
Crawler tractors sold for -							
Agricultural purposes							
	78	119	n.p.	n.p.	n.p.	n.p.	n.p.
Non-agricultural purposes							
	741	742	n.p.	n.p.	n.p.	n.p.	n.p.
Total crawler tractors	819	861	192	218	305	178	189

(a) See explanatory notes, paragraph 7.

TABLE 4. NEW TRACTORS : SALES BY TYPE, POWER AND SHIPPING WEIGHT : QUARTER ENDED DECEMBER 1979
(Number)

<i>Power and shipping weight</i>	<i>N.S.W. and A.C.T.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A. and N.T.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>Aust.</i>
Wheeled tractors - max. P.T.O.							
Up to and including 30 kw	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 30 kw and up to 45 kw	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 45 kw and up to 60 kw	203	156	207	70	79	35	750
Over 60 kw and up to 75 kw	112	74	133	82	45	12	458
Over 75 kw and up to 90 kw	57	36	55	n.p.	n.p.	n.p.	235
Over 90 kw and up to 105 kw	28	22	29	21	15	-	115
Over 105 kw	73	39	69	n.p.	n.p.	n.p.	241
Total - 2 wheel drive	983	952	674	500	298	164	3,436
4 wheel drive	219	127	266		83		830
Crawler tractors - shipping weight							
Up to and including 5,000 kg	n.p.	n.p.	n.p.	-	n.p.	n.p.	22
Over 5,000 kg and up to 7,000 kg	n.p.	n.p.	n.p.	-	n.p.	n.p.	25
Over 7,000 kg and up to 10,000 kg	n.p.	n.p.	n.p.	n.p.	-	n.p.	48
Over 10,000 kg and up to 15,000 kg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	48
Over 15,000 kg and up to 20,000 kg	n.p.	-	n.p.	n.p.	n.p.	n.p.	23
Over 20,000 kg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	23
Total	46	n.p.	62	n.p.	n.p.	n.p.	189

TABLE 5. NEWTRACTORS : SALES BY TYPE, END USE (a), POWER AND SHIPPING WEIGHT : QUARTER ENDED DECEMBER 1979
(Number)

<i>Power and shipping weight</i>	<i>N.S.W. and A.C.T.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A. and N.T.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>Aust.</i>
Wheeled tractors -							
Agricultural purposes - max. P.T.O.							
Up to and including 30 kw	89	112	48	n.p.	n.p.	n.p.	308
Over 30 kw and up to 45 kw	216	267	199	73	94	48	897
Over 45 kw and up to 60 kw	185	142	187	59	63	30	666
Over 60 kw and up to 75 kw	101	74	122	77	41	9	424
Over 75 kw and up to 90 kw	54	36	49	n.p.	23	n.p.	211
Over 90 kw and up to 105 kw	24	22	24	n.p.	n.p.	n.p.	104
Over 105 kw	52	26	57	n.p.	n.p.	n.p.	167
Total - 2 wheel drive	559	577	480	324	275	92	2,182
4 wheel drive	162	102	206				595
Non-agricultural purposes							
Total - 2 wheel drive	424	375	194	176	106	72	1,254
4 wheel drive	57	25	60				235
Total wheeled -	983	952	674	500	381	164	3,436
2 wheel drive	219	127	266				830
4 wheel drive							
Crawler tractors -							
Agricultural purposes - shipping weight							
Up to and including 5,000 kg	n.p.	n.p.	n.p.	-	-	-	n.p.
Over 5,000 kg and up to 7,000 kg	-	-	n.p.	-	-	-	n.p.
Over 7,000 kg and up to 10,000 kg	-	-	n.p.	-	-	-	n.p.
Over 10,000 kg and up to 15,000 kg	-	-	n.p.	n.p.	-	-	n.p.
Over 15,000 kg and up to 20,000 kg	-	-	n.p.	-	-	-	n.p.
Over 20,000 kg	-	-	n.p.	-	-	-	n.p.
Total	n.p.	n.p.	n.p.	n.p.	-	-	n.p.
Total non-agricultural purposes							
Total crawler	58	n.p.	61	n.p.	n.p.	n.p.	189

(a) See explanatory notes, paragraph 7.

TABLE 6. NEW TRACTORS: SALES OF WHEELER TRACTORS FOR AGRICULTURAL PURPOSES (a)
AUSTRALIA
(Number)

Year	Quarter ended -							
	March		June		September		December	
	2 wheel drive	4 wheel drive	2 wheel drive	4 wheel drive	2 wheel drive	4 wheel drive	2 wheel drive	4 wheel drive
ORIGINAL SERIES								
1956	-	-	-	-	3,426	-	3,555	-
1957	4,212	-	4,523	-	4,215	-	3,637	-
1958	3,415	-	3,431	-	3,342	-	3,867	-
1959	3,958	-	4,619	-	3,642	-	4,184	-
1960	4,967	-	5,045	-	3,692	-	4,335	-
1961	3,377	-	3,811	-	3,187	-	3,527	-
1962	4,350	-	4,153	-	3,180	-	3,583	-
1963	4,820	-	4,823	-	4,498	-	5,413	-
1964	4,999	-	6,216	-	5,127	-	5,096	-
1965	3,837	-	4,213	-	3,927	-	4,274	-
1966	4,154	-	4,247	-	3,004	-	4,715	-
1967	4,684	-	5,136	-	3,426	-	3,452	-
1968	4,211	-	4,673	-	3,368	-	4,224	-
1969	4,417	-	4,343	-	2,994	-	3,353	-
1970	2,722	-	2,899	-	2,132	-	2,669	-
1971	2,512	-	3,026	-	2,229	-	2,539	-
1972	3,026	-	3,400	-	2,543	-	2,986	-
1973	3,692	-	4,553	-	3,466	-	3,350	-
1974	3,193	-	3,841	-	2,928	166	3,245	190
1975	3,114	221	4,160	260	2,742	211	3,421	241
1976	4,030	382	5,103	507	2,492	287	3,637	443
1977	3,926	415	4,027	405	2,151	275	2,475	345
1978	2,522	342	4,127	889	2,080	502	2,269	514
1979	2,760	595	4,538	891	1,863	646	2,182	595
SEASONALLY ADJUSTED (b)								
1956	-	-	-	-	3,651	-	3,685	-
1957	4,136	-	4,220	-	4,527	-	3,775	-
1958	3,320	-	3,200	-	3,628	-	4,028	-
1959	3,987	-	4,098	-	4,013	-	4,381	-
1960	4,675	-	4,698	-	4,122	-	4,573	-
1961	3,202	-	3,461	-	3,596	-	3,744	-
1962	3,975	-	3,872	-	3,598	-	3,830	-
1963	4,358	-	4,503	-	5,113	-	5,190	-
1964	5,397	-	5,539	-	5,347	-	4,913	-
1965	3,913	-	3,928	-	4,126	-	4,134	-
1966	4,222	-	3,941	-	3,169	-	4,580	-
1967	5,005	-	4,505	-	4,207	-	3,383	-
1968	3,928	-	4,268	-	4,112	-	4,166	-
1969	4,162	-	3,924	-	3,618	-	3,335	-
1970	2,733	-	2,466	-	2,534	-	2,693	-
1971	2,428	-	2,671	-	2,610	-	2,601	-
1972	3,029	-	2,887	-	2,949	-	3,115	-
1973	3,627	-	3,891	-	4,034	-	3,543	-
1974	3,145	-	3,216	-	3,657	-	3,662	-
1975	3,469	-	3,440	-	3,576	-	3,927	-
1976	4,392	-	4,459	-	3,457	-	4,412	-
1977	4,337	-	3,438	-	3,088	-	3,058	-
1978	3,009	-	3,650	-	3,332	-	3,051	-
1979	3,352	-	4,118	-	3,261	-	3,052	-

(a) See explanatory notes, paragraph 7. (b) See explanatory notes, paragraph 8.

**TABLE 7. NEW TRACTORS : STOCKS (a) BY TYPE, POWER AND SHIPPING WEIGHT
(Number)**

<i>Power and shipping weight</i>	<i>Dec. 1978</i>	<i>March 1979</i>	<i>June 1979</i>	<i>Sept. 1979</i>	<i>Dec 1979</i>
Wheeled tractors - max. P.T.O.					
Up to and including 30 kw	899	1,055	1,613	1,401	1,293
Over 30 kw and up to 45 kw -					
2 wheel drive	2,480	2,919	2,631	2,527	2,182
4 wheel drive					
Over 45 kw and up to 60 kw -					
2 wheel drive	1,803	1,695	1,322	1,599	1,356
4 wheel drive	466	449	348	363	335
Over 60 kw and up to 75 kw -					
2 wheel drive	1,308	1,341	839	794	1,068
4 wheel drive	96	167	162	199	210
Over 75 kw and up to 90 kw -					
2 wheel drive	654	579	469	602	526
4 wheel drive	91	107	94	98	165
Over 90 kw and up to 105 kw -					
2 wheel drive	659	558	359	311	276
4 wheel drive	65	73	60	65	40
Over 105 kw	878	718	572	621	592
Total - 2 wheel drive	7,794	7,813	6,823	7,144	6,645
4 wheel drive	1,605	1,848	1,646	1,436	1,398
Crawler tractors - shipping weight					
Up to and including 5,000 kg	99	88	72	35	64
Over 5,000 kg and up to 7,000 kg	87	75	77	34	50
Over 7,000 kg and up to 10,000 kg	n.p.	n.p.	n.p.	n.p.	n.p.
Over 10,000 kg and up to 15,000 kg	101	94	80	88	90
Over 15,000 kg and up to 20,000 kg	44	31	43	37	25
Over 20,000 kg	n.p.	n.p.	n.p.	n.p.	n.p.
Total	432	381	361	339	396

(a) Includes stocks with dealers or in transit to dealers.

**TABLE 8. NEW TRACTORS : STOCKS (a), TYPE, POWER AND SHIPPING WEIGHT
AT DECEMBER 1979
(Number)**

<i>Power and shipping weight</i>	<i>N.S.W. and A.C.T.</i>	<i>Vic.</i>	<i>Qld.</i>	<i>S.A. and N.T.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>Anti.</i>
Wheeled tractors - max. P.T.O.							
Up to and including 30 kw	470	382	229	95	76	41	1,293
Over 30 kw and up to 45 kw	525	939	359	144	143	72	2,182
Over 45 kw and up to 60 kw	407	611	399	116	128	30	1,691
Over 60 kw and up to 75 kw	364	313	203	143	243	12	1,278
Over 75 kw and up to 90 kw	211	151	140	96	n.p.	n.p.	691
Over 90 kw and up to 105 kw	99	65	62	n.p.	62	n.p.	316
Over 105 kw	204	93	125	n.p.	n.p.	n.p.	592
Total - 2 wheel drive	1,828	2,150	1,283	547	717	120	6,645
4 wheel drive	452	404	234	105	149	54	1,398
Crawler tractors - shipping weight							
Up to and including 5,000 kg	31	n.p.	12	n.p.	n.p.	n.p.	64
Over 5,000 kg and up to 7,000 kg	10	n.p.	19	n.p.	n.p.	n.p.	50
Over 7,000 kg and up to 10,000 kg	27	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 10,000 kg and up to 15,000 kg	26	n.p.	25	n.p.	17	n.p.	90
Over 15,000 kg and up to 20,000 kg	n.p.	n.p.	8	n.p.	n.p.	n.p.	25
Over 20,000 kg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total	121	91	100	15	44	25	396

(a) Includes stocks with dealers or in transit to dealers.