

**SALES OF
NEW CONSTRUCTION MACHINERY,
INDUSTRIAL TRACTORS,
AND SELECTED ATTACHMENTS
Catalogue No. 8506.0**

JUNE QUARTER 1979

AUSTRALIAN BUREAU OF STATISTICS Canberra

CATALOGUE NO. 8506.0

NOON 13 DECEMBER 1979

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS AUSTRALIA JUNE QUARTER 1979

INQUIRIES

If you want to know more about these statistics ring Mr Cyril Rees on Canberra 52 5558 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 526627 or State offices.

EXPLANATORY NOTES

This publication contains statistics relating to the sales in Australia of imported and Australian-made new construction machinery, industrial tractors, and selected attachments. Prior to the September quarter 1974 publications in this series were published under the title *Sales of New Construction Machinery and Attachments* and did not include data in respect of industrial tractors.

2. These statistics have been derived from returns collected from principals marketing new construction machinery, industrial tractors and selected attachments. The principals are those businesses in Australia which, in respect of the items of new construction machinery and attachments specified in the return, (a) market under their own name(s) or trade name(s), or (b) import into Australia and market under the name(s) or trade name(s) of businesses overseas. Principals complete separate returns for each State, or arrange for their completion by State distributors.

3. For the purpose of these statistics a sale occurs when the machinery or attachment is delivered or it is in transit to the end user.

4. Details relating to attachments cover

attachments sold separately and attachments mounted on tractors.

Related publications

5. Statistics on agricultural machinery and tractors are available from this Bureau in the following publications.

(1) *New Agricultural Machinery Statistics*
(8505.0).

(2) *New Tractors: Receipts, Sales and Stocks*
(8507.0).

(3) *Principal Articles Produced* (8303.0).

6. All 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 used in this bulletin

- .. not applicable.
- r figure or series revised since previous issue.
- n.p. not available for separate publication
(but included in totals where applicable).

R. J. CAMERON
Australian Statistician

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA
(Number of units sold)

Type of implement or attachment	Year ended	Quarter ended				
	June 1979	June 1978	September 1978	December 1978	March 1979	June 1979
1. TRACTORS (Includes only the Bare Machine: Excludes Tractor Bases for Loaders).						
Crawler tractors having a shipping mass of -						
Up to but not exceeding 10,000 kg	146	55	31	34	42	39
Exceeding 10,000 kg but not exceeding 15,000 kg	123	42	29	30	27	37
Exceeding 15,000 kg but not exceeding 20,000 kg	84	n.p.	n.p.	n.p.	21	n.p.
Exceeding 20,000 kg but not exceeding 30,000 kg	57	17	n.p.	n.p.	n.p.	29
Exceeding 30,000 kg	73	n.p.	7	16	n.p.	n.p.
Total Crawler Tractors	483	151	95	107	126	155
Wheeled tractors, rubber tyred, four wheel drive -						
Maximum P.T.O. kw.						
Up to but not exceeding 60 P.T.O. kw	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Exceeding 60 but not exceeding 90 P.T.O. kw	n.p.	..	n.p.	n.p.	..	..
Exceeding 90 P.T.O. kw	19	n.p.	4	n.p.	n.p.	n.p.
Total Wheeled Tractors	228	13	16	25	n.p.	n.p.
2. SELECTED ATTACHMENTS						
Sold singly or as original equipment with Prime Mover.						
Dozers - for use with						
Wheel tractors -						
two-wheel drive	n.p.	n.p.	n.p.	n.p.	n.p.	35
four-wheel drive	n.p.	n.p.	n.p.	n.p.	n.p.	64
Crawler tractor	498	148	94	103	134	167
Total Dozer Attachments	868	227	206	183	213	266
Rippers	804	303	160	171	236	237
Loader attachments for two-wheel drive tractors (classified by capacity of the manufacturers standard bucket).						
Up to and including 0.4 cu metres	132	62	24	30	18	60
Over 0.4 cu metres up to and including 0.5 cu metres	782	218	116	171	193	302
Over 0.5 cu metres up to and including 0.75 cu metres	704	205	201	160	178	165
Over 0.75 cu metres	173	78	68	35	30	40
Total Loader Attachments	1,791	563	409	396	419	567
Hydraulic backhoes tractor mounted or trailing. Exclude hydraulic excavators with 270° slew and over.						
Classified by digging depths to IEMC standard 5 centre mounted.						
Up to and including 3.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 3.5 metres up to and incl. 4.5 metres max. digging depth	104	63	26	18	19	41
Over 4.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total tractor mounted or trailing	175	101	54	32	33	56
Side-shift -						
Up to and including 3.5 metres maximum digging depth	n.p.	n.p.	26	n.p.	n.p.	n.p.
Over 3.5 metres up to and incl. 4 metres max. digging depth	607	n.p.	151	n.p.	n.p.	n.p.
Over 4.5 metres maximum digging depth	n.p.	..	..	n.p.	..	..
Total side-shift	701	270	177	132	161	231
Total Hydraulic Backhoes	876	371	231	164	194	287
3. LOADERS						
Complete machines comprising tractor, loader arms and bucket.						
Classified by loader capacity as SAE rating of standard bucket in cubic metres with a standard bucket as defined in footnote (a).						
Crawler loaders						
Up to and including 1.0 cu metres	112	56	23	18	25	46
Over 1.0 cu metres up to and including 1.2 cu metres	35	19	n.p.	8	14	n.p.
Over 1.2 cu metres up to and including 1.5 cu metres	41	22	8	10	n.p.	n.p.
Over 1.5 cu metres up to and including 1.9 cu metres	38	n.p.	6	7	11	14
Over 1.9 cu metres	28	n.p.	n.p.	8	n.p.	9
Total Crawler Loaders	254	127	45	51	64	94
Wheel loaders, four wheel drive						
Up to and including 0.5 cu metres	140	35	32	n.p.	n.p.	41
Over 0.5 cu metres up to and including 1.0 cu metres	90	40	23	n.p.	19	n.p.
Over 1.0 cu metres up to and including 1.5 cu metres	132	41	33	23	30	46
Over 1.5 cu metres up to and including 1.8 cu metres	98	51	18	35	19	26
Over 1.8 cu metres up to and including 2.5 cu metres	134	46	27	30	31	46
Over 2.5 cu metres up to and including 3.0 cu metres	69	31	13	22	n.p.	n.p.
Over 3.0 cu metres	117	24	27	31	24	35
Total Wheel Loaders	780	267	173	190	163	254

For footnotes see page 3.

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA - continued
(Number of units in '000)

Type of implement or attachment	Year ended		Quarter ended			
	June 1979	June 1978	September 1978	December 1978	March 1979	June 1979
4. MOTOR GRADERS						
Rated net flywheel power (with accessories) at governed R.P.M.						
Up to and including 75 kw	64	n.p.	n.p.	16	18	n.p.
Over 75 kw up to and including 100 kw	134	n.p.	n.p.	37	33	n.p.
Over 100 kw	208	47	53	59	41	55
<i>Total Motor Graders</i>	406	108	82	112	92	120
5. SCRAPERS WITH OR WITHOUT ELEVATORS						
Heaped capacity -						
Up to but not exceeding 20 cu m	80	n.p.	n.p.	n.p.	n.p.	25
Exceeding 20 cu m	40	n.p.	n.p.	n.p.	n.p.	n.p.
<i>Total Scrapers</i>	120	41	29	n.p.	32	n.p.
6. OFF HIGHWAY TRUCKS						
Payload capacity -						
Up to and including 45 tonnes	64	n.p.	n.p.	n.p.	n.p.	n.p.
Over 45 tonnes up to and including 80 tonnes	35	7	15	n.p.	n.p.	n.p.
Over 80 tonnes	76	n.p.	n.p.	..	13	n.p.
<i>Total Off Highway Trucks</i>	175	28	43	23	24	85
7. EXCAVATING MACHINERY						
(operating weight equipped with standard backhoe configuration)						
Wheel mounted (b)	11	n.p.	n.p.	n.p.	n.p.	n.p.
Crawler mounted (c) (including dredging machinery) -						
Up to and including 18 tonnes	53	25	15	16	8	14
Over 18 tonnes up to and including 25 tonnes	86	33	19	21	14	32
Over 25 tonnes	26	n.p.	n.p.	n.p.	n.p.	n.p.
<i>Total Excavators</i>	176	78	38	50	33	55
8. TAMPING AND COMPACTING MACHINERY						
Pedestrian guided (all types)	1,232	439	391	170	489	182
Drawn -						
Vibrating rollers	44	n.p.	n.p.	n.p.	n.p.	12
Non-vibrating rollers	16	n.p.	n.p.	n.p.	n.p.	8
<i>Total Drawn Rollers</i>	60	12	14	8	18	20
Self-propelled -						
Vibrating rollers -						
Rubber wheel	128	30	25	23	36	44
Steel wheel	231	31	46	40	60	85
Non-vibrating rollers -						
Rubber tyre	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Steel wheel	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Tamping foot	n.p.	9	n.p.	n.p.	n.p.	n.p.
<i>Total Self-Propelled Rollers</i>	421	98	100	97	125	99
9. MOBILE CRANES (d) excluding self-propelled excavators and powered store trucks (lifting capacity maximum) -						
Self-propelled rough terrain and wagon types	39	n.p.	n.p.	n.p.	n.p.	n.p.
Truck and carrier mounted type -						
Up to and including 10 tonnes	83	18	n.p.	n.p.	17	35
Over 10 tonnes up to and including 20 tonnes	n.p.	n.p.	9	n.p.	n.p.	n.p.
Over 20 tonnes	59	18	10	13	14	22
Wheel tractor type -						
Up to and including 5 tonnes	n.p.	n.p.	n.p.	..	..	..
Over 5 tonnes	178	n.p.	68	n.p.	41	n.p.
Crawler tractor type	9	n.p.	n.p.	..	n.p.	n.p.
<i>Total Mobile Cranes</i>	395	124	103	88	86	118
10. TRENCH AND DITCH DIGGING MACHINERY						
(excluding backhoes), all types	377	289	80	81	n.p.	n.p.
11. LOG SKIDDERS	48	11	7	11	20	10

(a) The standard bucket is an actual bucket offered for sale with capacity no greater than that calculated to provide an operating load in accordance with SAE 1818(a) using material of 1800 kg/cu metre density. The machine should be in a standard configuration and exclude any optional counterweighting. (b) Includes pedestal mounted excavators which would normally be sold attached to rubber tyred, truck or carrier mounted units. Also includes hydraulic excavators with 270° slew and over but not hydraulic backhoes. (c) Includes pedestal mounted excavators which would normally be sold attached to crawler mounted units. Also includes hydraulic excavators with 270° slew and over but not hydraulic backhoes. (d) Winch and crane boom attachments sold as such are classified according to the anticipated major use e.g. if to be mounted on a wheeled tractor are shown under wheeled tractor type.

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA
(Number of units sold)

Year ended 30 June 1979

Type of implement or attachment	N.S.W. & A.C.T.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	Aust.
1. TRACTORS (Includes only the Bare Machine. Excludes Tractor Bases for Loaders).								
Crawler tractors having a shipping mass of —								
Up to but not exceeding 10,000 kg	58	25	36	n.p.	15	n.p.	..	146
Exceeding 10,000 kg but not exceeding 15,000 kg	43	27	29	n.p.	15	5	n.p.	123
Exceeding 15,000 kg but not exceeding 20,000 kg	n.p.	18	n.p.	n.p.	10	n.p.	n.p.	84
Exceeding 20,000 kg but not exceeding 30,000 kg	25	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	57
Exceeding 30,000 kg	n.p.	n.p.	34	n.p.	n.p.	n.p.	n.p.	73
Total Crawler Tractors	186	80	115	n.p.	51	29	n.p.	483
Wheeled tractors, rubber tyred, four wheel drive —								
Maximum P.T.O. kw.								
Up to but not exceeding 60 P.T.O. kw	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Exceeding 60 but not exceeding 90 P.T.O. kw	n.p.	n.p.	n.p.	n.p.	..	..	..	n.p.
Exceeding 90 P.T.O. kw	n.p.	n.p.	n.p.	n.p.	n.p.	..	..	19
Total Wheeled Tractors	n.p.	n.p.	17	n.p.	7	n.p.	n.p.	228
2. SELECTED ATTACHMENTS								
Sold singly or as original equipment with Prime Mover.								
Dozers — for use with								
Wheel tractors —								
two-wheel drive	n.p.	n.p.	n.p.	..	n.p.	..	..	n.p.
four-wheel drive	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..	n.p.
Crawler tractor	178	77	137	n.p.	50	n.p.	n.p.	498
Total Dozer Attachments	455	110	171	26	57	n.p.	n.p.	868
Rippers	322	139	181	42	83	n.p.	n.p.	804
Loader attachments for two-wheel drive tractors (classified by capacity of the manufacturers standard bucket).								
Up to and including 0.4 cu metres	72	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	132
Over 0.4 cu metres up to and including 0.5 cu metres	279	145	92	76	170	15	5	782
Over 0.5 cu metres up to and including 0.75 cu metres	109	138	100	219	92	32	14	704
Over 0.75 cu metres	49	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	173
Total Loader Attachments	509	341	238	310	316	56	21	1,791
Hydraulic backhoes tractor mounted or trailing. Exclude hydraulic excavators with 270° slew and over.								
Classified by digging depths to IEMC standard 5 centre mounted.								
Up to and including 3.5 metres maximum digging depth	n.p.	n.p.	n.p.	..	n.p.	..	..	n.p.
Over 3.5 metres up to and incl. 4.5 max. digging depth	37	11	n.p.	n.p.	35	n.p.	n.p.	104
Over 4.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..	n.p.
Total tractor mounted or trailing	67	19	n.p.	16	55	n.p.	n.p.	175
Side-shift —								
Up to and including 3.5 metres maximum digging depth	n.p.	13	n.p.	n.p.	n.p.	n.p.	..	n.p.
Over 3.5 metres up to and incl. 4.5 max. digging depth	n.p.	156	n.p.	n.p.	n.p.	n.p.	n.p.	607
Over 4.5 metres maximum digging depth	..	..	..	n.p.	..	..	..	n.p.
Total side-shift	261	169	n.p.	42	39	n.p.	n.p.	701
Total Hydraulic Backhoes	328	188	170	58	94	25	13	876

For footnotes see page 3.

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA - continued
(Number of units sold)

	Year ended 30 June 1979								
Type of implement or attachment	N.S.W. & A.C.T.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	Aust.	
3. LOADERS									
Complete machines comprising tractor, loader arms and bucket.									
Classified by loader capacity as SAE rating of standard bucket in cubic metres with a standard bucket as defined in footnote (a)									
Crawler loaders									
Up to and including 1.0 cu metres	55	20	22	6	n.p.	7	n.p.	112	
Over 1.0 cu metres up to and including 1.2 cu metres	n.p.	9	13	n.p.	..	n.p.	..	35	
Over 1.2 cu metres up to and including 1.5 cu metres	12	n.p.	13	n.p.	n.p.	n.p.	..	41	
Over 1.5 cu metres up to and including 1.9 cu metres	12	12	n.p.	5	n.p.	6	..	38	
Over 1.9 cu metres	n.p.	n.p.	n.p.	..	n.p.	n.p.	..	28	
<i>Total Crawler Loaders</i>	<i>100</i>	<i>56</i>	<i>52</i>	<i>13</i>	<i>n.p.</i>	<i>25</i>	<i>n.p.</i>	<i>254</i>	
Wheel loaders, four wheel drive									
Up to and including 0.5 cu metres	n.p.	n.p.	27	5	n.p.	n.p.	..	140	
Over 0.5 cu metres up to and including 1.0 cu metres	32	10	16	5	22	n.p.	n.p.	90	
Over 1.0 cu metres up to and including 1.5 cu metres	28	26	23	18	26	n.p.	n.p.	132	
Over 1.5 cu metres up to and including 1.8 cu metres	17	16	25	n.p.	22	n.p.	n.p.	98	
Over 1.8 cu metres up to and including 2.5 cu metres	33	17	36	14	26	n.p.	n.p.	134	
Over 2.5 cu metres up to and including 3.0 cu metres	n.p.	n.p.	14	n.p.	n.p.	n.p.	n.p.	69	
Over 3.0 cu metres	n.p.	10	25	n.p.	n.p.	n.p.	..	117	
<i>Total Wheel Loaders</i>	<i>219</i>	<i>122</i>	<i>166</i>	<i>78</i>	<i>148</i>	<i>n.p.</i>	<i>n.p.</i>	<i>780</i>	
4. MOTOR GRADERS									
Rated net flywheel power (with accessories) at governed R.P.M.									
Up to and including 75 kw	n.p.	15	n.p.	22	n.p.	n.p.	..	64	
Over 75 kw up to and including 100 kw	n.p.	23	n.p.	n.p.	n.p.	n.p.	n.p.	134	
Over 100 kw	70	38	37	n.p.	30	10	n.p.	208	
<i>Total Motor Graders</i>	<i>132</i>	<i>76</i>	<i>63</i>	<i>50</i>	<i>59</i>	<i>n.p.</i>	<i>n.p.</i>	<i>406</i>	
5. SCRAPERS WITH OR WITHOUT ELEVATORS									
Heaped capacity -									
Up to but not exceeding 20 cu m	n.p.	18	20	n.p.	n.p.	n.p.	n.p.	80	
Exceeding 20 cu m	n.p.	6	16	n.p.	n.p.	..	n.p.	40	
<i>Total Scrapers</i>	<i>31</i>	<i>24</i>	<i>36</i>	<i>7</i>	<i>11</i>	<i>n.p.</i>	<i>n.p.</i>	<i>120</i>	
6. OFF HIGHWAY TRUCKS									
Payload capacity -									
Up to and including 45 tonnes	16	n.p.	n.p.	n.p.	14	n.p.	..	64	
Over 45 tonnes up to and including 80 tonnes	n.p.	n.p.	n.p.	n.p.	11	n.p.	..	35	
Over 80 tonnes	n.p.	..	29	..	19	n.p.	n.p.	76	
<i>Total Off Highway Trucks</i>	<i>40</i>	<i>14</i>	<i>45</i>	<i>n.p.</i>	<i>44</i>	<i>7</i>	<i>n.p.</i>	<i>175</i>	

For footnotes see page 3.

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA - continued
(Number of units sold)

Type of implement or attachment	Year ended 30 June 1979							
	N.S.W. & A.C.T.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	Aust.
7. EXCAVATING MACHINERY (operating weight equipped with standard backhoe configuration).								
Wheel mounted (b)	4	..	n.p.	n.p.	n.p.	n.p.	..	11
Crawler mounted (c) (including dredging machinery) -								
Up to and including 18 tonnes	19	11	10	n.p.	n.p.	n.p.	..	53
Over 18 tonnes up to and including 25 tonnes	34	18	21	n.p.	6	n.p.	..	86
Over 25 tonnes	7	9	n.p.	..	3	n.p.	..	26
<i>Total Excavators</i>	<i>64</i>	<i>38</i>	<i>38</i>	<i>n.p.</i>	<i>16</i>	<i>n.p.</i>	<i>..</i>	<i>176</i>
8. TAMPING AND COMPACTING MACHINERY Pedestrian gauled (all types)	413	388	191	n.p.	n.p.	14	..	1,232
Drawn -								
Vibrating rollers	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..	44
Non-vibrating rollers	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..	16
<i>Total Drawn Rollers</i>	<i>9</i>	<i>28</i>	<i>n.p.</i>	<i>n.p.</i>	<i>n.p.</i>	<i>n.p.</i>	<i>..</i>	<i>60</i>
Self-propelled -								
Vibrating rollers -								
Rubber wheel	55	28	25	n.p.	n.p.	n.p.	..	128
Steel wheel	97	70	n.p.	11	21	n.p.	..	231
Non-vibrating rollers -								
Rubber tyre	n.p.	n.p.	n.p.	n.p.	n.p.	..	n.p.	n.p.
Steel wheel	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..	n.p.
Tamping foot	n.p.	n.p.	n.p.	n.p.	n.p.	..	n.p.	n.p.
<i>Total Self-Propelled Rollers</i>	<i>174</i>	<i>92</i>	<i>70</i>	<i>26</i>	<i>51</i>	<i>n.p.</i>	<i>n.p.</i>	<i>421</i>
9. MOBILE CRANES (d) excluding self-propelled excavators and powered store trucks (lifting capacity maximum) - Self-propelled rough terrain and wagon types	n.p.	n.p.	7	..	n.p.	n.p.	n.p.	39
Truck and carrier mounted type -								
Up to and including 10 tonnes	27	n.p.	n.p.	n.p.	22	n.p.	..	83
Over 10 tonnes up to and including 20 tonnes	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	..	n.p.
Over 20 tonnes	19	15	14	n.p.	n.p.	..	n.p.	59
Wheel tractor type -								
Up to and including 5 tonnes	..	..	..	..	n.p.	..	..	n.p.
Over 5 tonnes	5	8	n.p.	..	n.p.	n.p.	..	178
Crawler tractor type	7	n.p.	n.p.	..	..	..	..	9
<i>Total Mobile Cranes</i>	<i>91</i>	<i>41</i>	<i>56</i>	<i>n.p.</i>	<i>183</i>	<i>8</i>	<i>n.p.</i>	<i>395</i>
10. TRENCH AND DITCH DIGGING MACHINERY (excluding backhoes), all types	114	n.p.	n.p.	n.p.	n.p.	n.p.	..	377
11. LOG SKIDDERS (rated net flywheel power with accessories, at governed R.P.M.)	8	9	n.p.	..	n.p.	16	..	48

For footnotes see page 3.