

NEW AGRICULTURAL MACHINERY, AUSTRALIA
MARCH QUARTER 1984

- PHONE INQUIRIES *for more information about these statistics—contact Sue Gumphrich on Canberra (062) 52 5558 or any of our State offices.*
other inquiries including copies of publications—contact Information Services on Canberra (062) 52 6627 or in any of our State offices.
- MAIL INQUIRIES *write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any of our State offices.*

EXPLANATORY NOTES

Introduction

This publication presents statistics of sales and stocks of certain types of new agricultural machinery. The item 'sales' replaces and is directly comparable with the item 'deliveries' as published in the June quarter 1979 and earlier issues of this publication. Statistics on receipts of new agricultural machinery as published in respect of the June 1979 and preceding quarters are no longer collected.

Source of the statistics

2. These statistics have been derived from returns collected from 'principals' marketing new agricultural machinery. 'Principals' are businesses in Australia which market new agricultural machinery under their own name (or trade name(s)) or import new agricultural machinery and market it under the name (or trade name(s)) of overseas businesses.

3. *Sales* represent new agricultural machinery that 'principals' or their State distributors have sent to their agents or dealers in Australia during the quarter. Direct sales by 'principals' or their State distributors to end users in Australia are included. Exports of new agricultural machinery are excluded.

4. *Stocks* represent implements and machines held by the principals and their State distributors at the end of the period indicated. Stocks held by agents and dealers are excluded. Stocks in transit within Australia are included in the stocks of the State for which they are intended.

5. General comments:

- (a) *Components* which have not yet been assembled into complete machines are excluded from these statistics.
- (b) *Horse-drawn* equipment and other equipment not requiring power units are excluded.
- (c) *Linkage type (tractor mounting type)* includes semi-mounting type.

6. Comments on specific items:

- (a) *Disc ploughs*—Includes disc cultivating ploughs and disc tillers (one-way discers). Also includes disc implements capable of being used for both ploughing and harrowing.
- (b) *Chisel ploughs*—Includes implements of the type which usually have narrow pointed tines placed well apart (30 cm or more) and which can usually penetrate to a depth of 20 cm or more.
- (c) *Tine harrows*—Includes driven tines, diamond and stump jump harrows. Excludes drill and following harrows.
- (d) *Disc harrows*—Excludes disc implements capable of being used for both ploughing and harrowing.
- (e) *Tine cultivators and scarifiers*—Includes implements primarily designed for primary cultivation as 'scarifiers' and implements primarily designed for secondary cultivation as 'cultivators'.
- (f) *Rotary hoes*—Includes self-contained power units (3 brake horse-power and over) and tractor-mounting and trailing types.
- (g) *Drills and cultivating drills*—Include sod seeders and combines, but excludes row crop planters.
- (h) *Fertiliser spreaders*—Excludes truck-mounted spreaders.
- (i) *Headers (combine harvesters) trailed*—Includes both engine-functioned and power take-off type.
- (j) *Agricultural mowers (rotary)*—Excludes cylinder reel types.
- (k) *Pick-up bale loaders for baled hay*—Excludes combination stacker-loaders.
- (l) *Bale elevators and stackers*—Includes combination stacker-loaders.
- (m) *Hammer mills (farm type)*—Includes roughage mills, but excludes grinder mixers.

Related publications

7. Additional statistics on agricultural machinery are available from this Bureau as follows:

Manufacturing Commodities, Principal Articles Produced, Australia, 1980-81 and 1981-82 (8303.0) contains statistics on production and assembly within Australia of various types of agricultural machinery.

Overseas Trade, Australia, Part I: Exports and Imports, 1981-82 (5409.0) which contains details of imports and exports according to type and country of origin.

Sales and Stocks of New Tractors, Australia (8507.0) which contains quarterly details of sales of new tractors.

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

Symbols and other usages

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

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Australian Statistician

TABLE 1. SALES OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY

Type of implement or machine(a)	Year ended		Quarter ended				
	June 1982	June 1983	March 1983	June 1983	Sept. 1983	Dec. 1983	March 1984
	— number —						
TILLAGE IMPLEMENTS							
Disc ploughs (a)—							
Linkage type	400	144	26	50	55	58	35
Trailed type—							
Up to and incl. 22 disc	141	86	43	20	30	n.p.	23
Over 22 disc	321	47	16	12	69	n.p.	91
Agricultural rippers (sub-soilers)	808	606	118	201	164	133	67
Blade ploughs (sweep ploughs)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Chisel ploughs—							
Linkage type	634	341	99	85	101	73	74
Trailed type	794	418	94	114	176	193	248
Tine scarifiers (incl. row crop type)—							
Linkage type	204	80	n.p.	n.p.	67	n.p.	n.p.
Trailed type—							
Up to and incl. 6 m cutting width	502	365	171	124	n.p.	40	62
Over 6 m cutting width	417	188	99	49	24	31	126
Tine cultivators (incl. row crop type)—							
Linkage type	1,080	869	294	237	99	81	104
Trailed type—							
Up to and incl. 6 m cutting width	148	144	n.p.	37	82	36	104
Over 6 m cutting width	937	432	113	157	109	82	96
Mouldboard ploughs	122	n.p.	n.p.	n.p.	10	21	n.p.
Tine harrows (No. of leaves or sections)	20,743	9,478	3,761	3,944	1,163	n.p.	7,861
Disc harrows—							
Offset—							
Linkage type	854	422	87	116	108	169	215
Trailed type	976	675	221	208	101	138	214
Other than offset type	149	21	8	n.p.	5	15	n.p.
Rotary hoes (rotary tillers)—							
Walk behind type	5,241	n.p.	n.p.	n.p.	n.p.	1,031	605
Linkage type (tractor-mounted)	n.p.	1,043	221	270	n.p.	n.p.	n.p.
Other	n.p.	n.p.	—	n.p.	—	—	—
SEEDING AND FERTILISING MACHINERY							
Drills and cultivating drills—							
Tine	1,892	875	280	365	199	105	320
Disc	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Pneumatic (air) seeders—							
Trailed hopper	906	337	120	103	109	47	91
Implement mounted hopper	172	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Row crop planters (No. of units)	390	208	24	n.p.	57	n.p.	31
Fertiliser spreaders—							
Linkage type	462	420	36	79	114	97	50
Trailed type	905	359	140	76	119	77	213
Liquid spreaders	n.p.	n.p.	—	n.p.	n.p.	n.p.	—
HARVESTING, HAYMAKING, ETC. MACHINERY							
Headers (combine harvesters)—							
Self propelled—							
Up to and incl. 1,250 mm drum width	765	247	57	52	68	179	96
Over 1,250 mm drum width	801	442	110	39	95	264	132
Rotary type	155	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Trailed (P.T.O. driven)	705	281	74	28	179	262	101
Agricultural mowers—							
Reciprocating knife	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Slasher type	6,831	3,135	722	758	962	1,700	1,871
Rotary type (incl. disc and drum)	1,166	837	214	157	499	514	238
Hay rakes (all types)	1,039	769	234	194	271	428	268
Hay balers—							
Bales up to and incl. 100 kgs	912	742	197	173	233	246	n.p.
Round balers and other large balers	341	205	61	47	106	192	113
Pick-up bale loaders for baled hay	326	214	20	n.p.	n.p.	n.p.	n.p.
Bale elevators and stackers	122	28	n.p.	n.p.	n.p.	n.p.	17
Grain augers	1,897	819	126	83	164	373	258
OTHER AGRICULTURAL MACHINERY							
Post-hole diggers (auger type)	1,292	771	175	192	191	168	145
Post drivers	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Hammer mills (farm type)	37	29	n.p.	13	6	n.p.	9
Grinder mixers (incl. feed mixing trailers)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.

(a) Includes disc cultivating ploughs and disc tillers.

TABLE 2. SALES OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY
STATES, QUARTER ENDED MARCH 1984

Type of implement or machine(a)	N.S.W. and A.C.T.	Vic.	Qld	S.A. and N.T.	W.A.	Tas.	Aust.
	—number—						
TILLAGE IMPLEMENTS							
Disc ploughs(a)—							
Linkage type	n.p.	n.p.	n.p.	n.p.	n.p.	—	35
Trailed type—							
Up to and incl. 22 disc	n.p.	n.p.	5	n.p.	n.p.	—	23
Over 22 disc	47	n.p.	18	n.p.	n.p.	n.p.	91
Agricultural rippers (sub-soilers)	28	n.p.	19	n.p.	n.p.	—	67
Blade ploughs (sweep ploughs)	n.p.	n.p.	n.p.	n.p.	—	—	n.p.
Chisel ploughs—							
Linkage type	39	11	19	n.p.	n.p.	n.p.	74
Trailed type	102	62	64	n.p.	n.p.	—	248
Tine scarifiers (incl. row crop type)—							
Linkage type	—	n.p.	n.p.	—	—	—	n.p.
Trailed type—							
Up to and incl. 6 m cutting width	26	13	5	13	n.p.	n.p.	62
Over 6 m cutting width	64	21	n.p.	28	n.p.	—	126
Tine cultivators (incl. row crop type)—							
Linkage type	31	23	28	n.p.	n.p.	n.p.	104
Trailed type—							
Up to and incl. 6 m cutting width	31	17	n.p.	48	n.p.	—	104
Over 6 m cutting width	28	18	n.p.	n.p.	n.p.	—	96
Mouldboard ploughs	n.p.	n.p.	—	—	—	—	n.p.
Tine harrows (No. of leaves or sections)	n.p.	1,446	388	n.p.	886	n.p.	7,861
Disc harrows—							
Offset—							
Linkage type	114	51	n.p.	6	n.p.	—	215
Trailed type	111	31	36	n.p.	9	n.p.	214
Other than offset type	n.p.	n.p.	n.p.	n.p.	—	—	n.p.
Rotary hoes (rotary tillers)—							
Walk behind type	n.p.	n.p.	n.p.	n.p.	60	n.p.	605
Linkage type (tractor-mounted)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Other	—	—	—	—	—	—	—
SEEDING AND FERTILISING MACHINERY							
Drills and cultivating drills—							
Tine	93	83	n.p.	80	37	n.p.	320
Disc	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Pneumatic (air) seeders—							
Trailed hopper	36	n.p.	18	16	n.p.	—	91
Implement mounted hopper	n.p.	n.p.	n.p.	n.p.	—	—	n.p.
Row crop planters (No. of units)	n.p.	n.p.	11	n.p.	—	—	31
Fertiliser spreaders—							
Linkage type	n.p.	11	n.p.	n.p.	n.p.	—	50
Trailed type	32	95	n.p.	27	n.p.	n.p.	213
Liquid spreaders	—	—	—	—	—	—	—
HARVESTING, HAYMAKING, ETC. MACHINERY							
Headers (combine harvesters)—							
Self propelled—							
Up to and incl. 1,250 mm drum width	44	26	n.p.	n.p.	12	n.p.	96
Over 1,250 mm drum width	60	23	25	n.p.	n.p.	—	132
Rotary type	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Trailed (P.T.O. driven)	n.p.	28	—	3	n.p.	—	101
Agricultural mowers—							
Reciprocating knife	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Slasher type	966	216	582	37	n.p.	n.p.	1,871
Rotary type (incl. disc and drum)	65	58	18	36	n.p.	n.p.	238
Hay rakes (all types)	74	123	28	n.p.	18	n.p.	268
Hay balers—							
Bales up to and incl. 100 kgs	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Round balers and other large balers	20	52	—	n.p.	8	n.p.	113
Pick-up bale loaders for baled hay	n.p.	n.p.	—	n.p.	n.p.	—	n.p.
Bale elevators and stackers	7	n.p.	n.p.	—	—	—	17
Grain augers	72	n.p.	n.p.	n.p.	n.p.	n.p.	258
OTHER AGRICULTURAL MACHINERY							
Post-hole diggers (auger type)	37	53	21	18	13	3	145
Post drivers	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Hammer mills (farm type)	—	n.p.	n.p.	n.p.	n.p.	—	n.p.
Grinder mixers (incl. feed mixing trailers)	n.p.	n.p.	—	n.p.	n.p.	—	n.p.

(a) Includes disc cultivating ploughs and disc tillers.

TABLE 3. STOCKS OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY

Type of implement or machine(a)	As at 30 June		As at				
	1982	1983	31 March 1983	30 June 1983	30 Sept. 1983	31 Dec. 1983	31 March 1984
	—number—						
TILLAGE IMPLEMENTS							
Disc ploughs (a)—							
Linkage type	31	39	46	39	23	27	28
Trailed type—							
Up to and incl. 22 disc	116	80	90	80	n.p.	67	n.p.
Over 22 disc	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Agricultural rippers (sub-soilers)	n.p.	138	153	138	47	45	39
Blade ploughs (sweep ploughs)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Chisel ploughs—							
Linkage type	172	71	n.p.	71	42	41	56
Trailed type	93	282	258	282	246	347	270
Tine scarifiers (incl. row crop type)—							
Linkage type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Trailed type—							
Up to and incl. 6 m cutting width	349	162	269	162	n.p.	90	n.p.
Over 6 m cutting width	161	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Tine cultivators (incl. row crop type)—							
Linkage type	1,351	412	342	412	370	370	501
Trailed type—							
Up to and incl. 6 m cutting width	63	n.p.	n.p.	n.p.	74	n.p.	n.p.
Over 6 m cutting width	160	201	189	201	83	97	n.p.
Mouldboard ploughs	41	26	9	26	49	n.p.	41
Tine harrows (No. of leaves or sections)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Disc harrows—							
Offset—							
Linkage type	429	256	280	256	n.p.	n.p.	181
Trailed type	n.p.	n.p.	639	n.p.	n.p.	252	213
Other than offset type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Rotary hoes (rotary tillers)—							
Walk behind type	783	472	1,102	472	783	167	n.p.
Linkage type (tractor-mounted)	571	n.p.	n.p.	n.p.	n.p.	277	n.p.
Other	n.p.	—	—	—	—	—	—
SEEDING AND FERTILISING MACHINERY							
Drills and cultivating drills—							
Tine	234	346	473	346	317	n.p.	524
Disc	—	—	—	—	—	—	n.p.
Pneumatic (air) seeders—							
Trailed hopper	140	96	124	96	61	46	115
Implement mounted hopper	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Row crop planters (No. of units)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	55
Fertiliser spreaders—							
Linkage type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Trailed type	55	29	31	29	31	30	36
Liquid spreaders	—	n.p.	—	n.p.	—	—	—
HARVESTING, HAYMAKING, ETC. MACHINERY							
Headers (combine harvesters)—							
Self propelled—							
Up to and incl. 1,250 mm drum width	314	255	274	255	198	128	66
Over 1,250 mm drum width	188	152	173	152	138	113	89
Rotary type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Trailed (P.T.O. driven)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Agricultural mowers—							
Reciprocating knife	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Slasher type	n.p.	n.p.	n.p.	n.p.	109	65	n.p.
Rotary type (incl. disc and drum)	224	743	739	743	683	528	455
Hay rakes (all types)	n.p.	383	429	383	251	168	153
Hay balers—							
Bales up to and incl. 100 kgs	n.p.	138	120	138	140	92	86
Round balers and other large balers	208	133	172	133	132	126	132
Pick-up bale loaders for baled hay	n.p.	n.p.	n.p.	n.p.	—	n.p.	n.p.
Bale elevators and stackers	—	—	n.p.	—	—	—	—
Grain augers	33	n.p.	n.p.	n.p.	n.p.	—	n.p.
OTHER AGRICULTURAL MACHINERY							
Post-hole diggers (auger type)	179	135	102	135	133	151	102
Post drivers	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Hammer mills (farm type)	n.p.	—	—	—	n.p.	—	—
Grinder mixers (incl. feed mixing trailers)	—	n.p.	n.p.	n.p.	—	n.p.	—

(a) Includes disc cultivating ploughs and disc tillers.