



* NEW AGRICULTURAL MACHINERY, AUSTRALIA SEPTEMBER QUARTER 1982

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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:

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

6. Comments on specific items:

- 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.
- 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.
- Tine harrows*—Includes driven tines, diamond and stump jump harrows. Excludes drill and following harrows.
- Disc harrows*—Excludes disc implements capable of being used for both ploughing and harrowing.
- Tine cultivators and scarifiers*—Includes implements primarily designed for primary cultivation as 'scarifiers' and implements primarily designed for secondary cultivation as 'cultivators'.
- Rotary hoes*—Includes self-contained power units (3 brake horse-power and over) and tractor-mounting and trailing types.
- Drills and cultivating drills*—Includes sod seeders and combines, but excludes row crop planters.
- Fertiliser spreaders*—Excludes truck-mounted spreaders.
- Headers (combine harvesters) trailed*—Includes both engine-functioned and power take-off type.
- Agricultural mowers (rotary)*—Excludes cylinder reel types.
- Pick-up bale loaders for baled hay*—Excludes combination stacker-loaders.
- Bale elevators and stackers*—Includes combination stacker-loaders.
- 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, 1979-80 and 1980-81 (8303.0) contains statistics on production and assembly within Australia of various types of agricultural machinery.

Overseas Trade, Australia, Part I: Exports and Imports, 1979-80 (5409.0) which contains details of imports and exports according to type and country of origin.

Receipts, 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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Acting Australian Statistician

TABLE 1. SALES OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY
(Number)

Type of implement or machine(a)	Year ended		Quarter ended				
	June 1981	June 1982	Sept. 1981	Dec. 1981	Mar. 1982	June 1982	Sept. 1982
TILLAGE IMPLEMENTS							
Disc ploughs (a)—							
Linkage type	513	400	152	108	87	53	49
Trailed type—							
Up to and incl. 22 disc	291	141	42	35	41	23	8
Over 22 disc	298	321	76	112	65	68	8
Agricultural rippers (sub-soilers)	1,079	808	315	167	93	233	161
Blade ploughs (sweep ploughs)	86	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Chisel ploughs—							
Linkage type	792	634	159	139	225	111	73
Trailed type	549	794	201	149	293	151	100
Tine scarifiers (incl. row crop type)—							
Linkage type	1,004	204	49	53	58	44	31
Trailed type—							
Up to and incl. 6 m cutting width	630	502	135	106	149	112	25
Over 6 m cutting width	422	417	107	113	135	62	11
Tine cultivators (incl. row crop type)—							
Linkage type	984	1,080	141	247	209	483	108
Trailed type—							
Up to and incl. 6 m cutting width	444	148	21	n.p.	45	n.p.	n.p.
Over 6 m cutting width	1,004	917	251	253	278	155	85
Mouldboard ploughs	213	123	57	34	n.p.	n.p.	n.p.
Tine harrows (No. of leaves or sections)	28,614	20,743	3,405	3,370	8,065	5,903	921
Disc harrows—							
Offset—							
Linkage type	779	854	189	151	207	307	116
Trailed type	1,570	976	308	270	183	215	124
Other than offset type	59	149	21	55	n.p.	n.p.	8
Rotary hoes (rotary tillers)—							
Walk behind type	4,810	5,241	1,984	n.p.	938	n.p.	n.p.
Linkage type (tractor-mounted)	1,792	n.p.	n.p.	n.p.	n.p.	n.p.	325
Other	n.p.	n.p.	n.p.	n.p.	n.p.	—	—
SEEDING AND FERTILISING MACHINERY							
Drills and cultivating drills—							
Tine	1,918	1,892	278	401	935	278	120
Disc	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Pneumatic (air) seeders—							
Trailed hopper	652	906	142	198	240	326	64
Implement mounted hopper	60	172	54	n.p.	n.p.	48	n.p.
Row crop planters (No. of units)	291	390	98	91	n.p.	n.p.	n.p.
Fertiliser spreaders—							
Linkage type	911	462	138	125	67	132	194
Trailed type	889	905	234	170	267	234	74
Liquid spreaders	n.p.	n.p.	8	n.p.	—	—	n.p.
HARVESTING, HAYMAKING, ETC. MACHINERY							
Headers (combine harvesters)—							
Self propelled—							
Up to and incl. 1,250 mm drum width	669	765	262	297	90	116	77
Over 1,250 mm drum width	761	801	221	285	62	233	110
Rotary type	n.p.	155	n.p.	43	n.p.	11	n.p.
Trailed (P.T.O. driven)	743	705	209	339	100	57	20
Agricultural mowers—							
Reciprocating knife	251	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Slasher type	5,734	6,831	1,569	1,821	1,664	1,777	746
Rotary type (incl. disc and drum)	1,799	1,166	469	347	172	178	192
Hay rakes (all types)	1,118	1,039	445	246	88	260	112
Hay balers—							
Bales up to and incl. 100 kgs	1,060	912	212	306	n.p.	n.p.	n.p.
Round balers and other large balers	273	341	171	58	n.p.	n.p.	64
Pick-up bale loaders for baled hay	480	326	26	168	n.p.	n.p.	14
Bale elevators and stackers	224	122	34	n.p.	14	n.p.	8
Grain augers	1,974	1,897	591	812	216	278	337
OTHER AGRICULTURAL MACHINERY							
Post-hole diggers (auger type)	1,893	1,292	321	350	235	386	220
Post drivers	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Hammer mills (farm type)	49	37	17	n.p.	n.p.	n.p.	n.p.
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. STOCKS OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY
(Number)

Type of implement or machine(a)	Year ended		Quarter ended				
	June 1981	June 1982	Sept. 1981	Dec. 1981	Mar. 1982	June 1982	Sept. 1982
TILLAGE IMPLEMENTS							
Disc ploughs(a)—							
Linkage type	75	31	59	41	33	31	97
Trailed type—							
Up to and incl. 22 disc	134	116	195	173	143	116	71
Over 22 disc	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Agricultural rippers (sub-soilers)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	166
Blade ploughs (sweep ploughs)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Chisel ploughs—							
Linkage type	124	172	n.p.	164	193	172	130
Trailed type	124	93	104	69	205	93	177
Tine scarifiers (incl. row crop type)—							
Linkage type	166	n.p.	n.p.	n.p.	n.p.	n.p.	74
Trailed type—							
Up to and incl. 6 m cutting width	429	349	322	595	517	349	315
Over 6 m cutting width	133	161	n.p.	n.p.	n.p.	161	210
Tine cultivators (incl. row crop type)—							
Linkage type	264	1,351	390	286	324	1,351	633
Trailed type—							
Up to and incl. 6 m cutting width	n.p.	63	n.p.	n.p.	198	63	n.p.
Over 6 m cutting width	145	160	158	109	73	160	222
Mouldboard ploughs	92	41	n.p.	32	31	41	17
Tine harrows (No. of leaves or sections)	3,803	n.p.	4,878	5,438	4,933	n.p.	n.p.
Disc harrows—							
Offset—							
Linkage type	294	429	n.p.	n.p.	n.p.	429	307
Trailed type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	361
Other than offset type	n.p.	n.p.	17	42	n.p.	n.p.	n.p.
Rotary hoes (rotary tillers)—							
Walk behind type	1,444	783	1,645	n.p.	653	783	n.p.
Linkage type (tractor-mounted)	734	571	710	590	562	571	607
Other	—	n.p.	n.p.	n.p.	n.p.	n.p.	—
SEEDING AND FERTILISING MACHINERY							
Drills and cultivating drills—							
Tine	418	234	475	536	799	234	215
Disc	—	—	—	—	—	—	—
Pneumatic (air) seeders—							
Trailed hopper	n.p.	140	55	30	60	140	112
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.	n.p.
Fertiliser spreaders—							
Linkage type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Trailed type	18	55	n.p.	14	26	55	n.p.
Liquid spreaders	—	—	—	n.p.	—	—	—
HARVESTING, HAYMAKING, ETC. MACHINERY							
Headers (combine harvesters)—							
Self propelled—							
Up to and incl. 1,250 mm drum width	368	314	423	393	353	314	245
Over 1,250 mm drum width	181	188	107	136	98	188	431
Rotary type	n.p.	n.p.	n.p.	n.p.	51	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.	33	n.p.	n.p.	n.p.	n.p.
Slasher type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Rotary type (incl. disc and drum)	850	224	940	658	536	224	1,182
Hay rakes (all types)	312	n.p.	389	265	297	n.p.	508
Hay balers—							
Bales up to and incl. 100 kgs	194	n.p.	124	103	106	n.p.	203
Round balers and other large balers	118	208	130	141	109	208	189
Pick-up bale loaders for baled hay	30	n.p.	30	85	9	n.p.	n.p.
Bale elevators and stackers	n.p.	—	n.p.	n.p.	n.p.	—	—
Grain augers	n.p.	33	n.p.	19	n.p.	33	n.p.
OTHER AGRICULTURAL MACHINERY							
Post-hole diggers (auger type)	108	179	61	117	70	179	140
Post drivers	n.p.	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.	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. SALES OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY
STATES, QUARTER ENDED 30 SEPTEMBER 1982
(Number)

Type of implement or machine(a)	N.S.W. and A.C.T.	Vic.	Qld	S.A. and N.T.	W.A.	Tas.	Aust.
TILLAGE IMPLEMENTS							
Disc plough(s)—							
Linkage type	n.p.	n.p.	n.p.	n.p.	—	n.p.	49
Trailed type							
Up to and incl. 22 disc	n.p.	4	n.p.	n.p.	n.p.	n.p.	8
Over 22 disc	—	—	—	n.p.	n.p.	—	8
Agricultural rippers (sub-soilers)	86	n.p.	58	n.p.	n.p.	n.p.	161
Blade ploughs (sweep ploughs)	n.p.	n.p.	n.p.	—	n.p.	—	n.p.
Chisel ploughs—							
Linkage type	n.p.	n.p.	30	—	n.p.	—	73
Trailed type	12	4	48	11	25	—	100
Tine scarifiers (incl. row crop type)—							
Linkage type	n.p.	n.p.	n.p.	n.p.	—	—	31
Trailed type—							
Up to and incl. 6 m cutting width	n.p.	6	n.p.	8	n.p.	—	25
Over 6 m cutting width	n.p.	—	—	n.p.	n.p.	—	11
Tine cultivators (incl. row crop type)—							
Linkage type	22	20	57	5	n.p.	n.p.	108
Trailed type—							
Up to and incl. 6 m cutting width	n.p.	n.p.	28	n.p.	n.p.	—	n.p.
Over 6 m cutting width	13	n.p.	n.p.	19	25	n.p.	85
Mouldboard ploughs	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Tine harrows (No. of leaves or sections)	n.p.	245	392	n.p.	n.p.	n.p.	921
Disc harrows—							
Offset—							
Linkage type	54	13	n.p.	n.p.	10	—	116
Trailed type	18	47	47	n.p.	n.p.	6	124
Other than offset type	n.p.	—	n.p.	—	—	n.p.	8
Rotary hoes (rotary tillers)—							
Walk behind type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Linkage type (tractor-mounted)	100	51	n.p.	31	n.p.	n.p.	325
Other	—	—	—	—	—	—	—
SEEDING AND FERTILISING MACHINERY							
Drills and cultivating drills—							
Tine	n.p.	19	21	n.p.	18	n.p.	120
Disc	n.p.	n.p.	—	—	—	—	n.p.
Pneumatic (air) seeders—							
Trailed hopper	5	n.p.	n.p.	15	35	—	64
Implement mounted hopper	n.p.	n.p.	n.p.	—	n.p.	—	n.p.
Row crop planters (No. of units)	n.p.	n.p.	n.p.	—	—	—	n.p.
Fertiliser spreaders—							
Linkage type	17	25	124	17	n.p.	n.p.	194
Trailed type	n.p.	47	—	n.p.	16	—	74
Liquid spreaders	—	n.p.	—	n.p.	—	—	n.p.
HARVESTING, HAYMAKING, ETC. MACHINERY							
Headers (combine harvesters)—							
Self propelled—							
Up to and incl. 1,250 mm drum width	17	8	n.p.	13	n.p.	n.p.	77
Over 1,250 mm drum width	29	n.p.	n.p.	n.p.	46	—	110
Rotary type	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.	—	20
Agricultural mowers—							
Reciprocating knife	n.p.	n.p.	—	n.p.	n.p.	—	n.p.
Slasher type	389	121	173	19	n.p.	n.p.	746
Rotary type (incl. disc and drum)	43	88	n.p.	20	26	n.p.	192
Hay rakes (all types)	27	23	44	n.p.	12	n.p.	112
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	18	21	n.p.	11	n.p.	—	64
Pick-up bale loaders for baled hay	n.p.	6	—	n.p.	n.p.	—	14
Bale elevators and stackers	n.p.	4	—	n.p.	—	—	8
Grain augers	21	46	n.p.	—	n.p.	n.p.	337
OTHER AGRICULTURAL MACHINERY							
Post-hole diggers (auger type)	56	85	55	4	20	—	220
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.

(a) Includes disc cultivating ploughs and disc tillers.

TABLE 4. STOCKS OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY
STATES, QUARTER ENDED 30 SEPTEMBER 1982
(Number)

Type of implement or machine(a)	N.S.W. and A.C.T.	Vic.	Qld	S.A. and N.T.	W.A.	Tas.	Aust.
TILLAGE IMPLEMENTS							
Disc plough(s)—	—	55	n.p.	n.p.	n.p.	—	97
Linkage type	—	—	—	—	—	—	—
Trailed type—	—	—	—	—	—	—	—
Up to and incl. 22 disc	n.p.	37	n.p.	n.p.	n.p.	—	71
Over 22 disc	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Agricultural rippers (sub-soilers)	n.p.	n.p.	108	—	n.p.	n.p.	166
Blade ploughs (sweep ploughs)	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Chisel ploughs—	—	—	—	—	—	—	—
Linkage type	n.p.	n.p.	n.p.	n.p.	n.p.	—	130
Trailed type	14	8	n.p.	69	n.p.	—	177
Tine scarifiers (incl. row crop type)—	—	—	—	—	—	—	—
Linkage type	n.p.	n.p.	n.p.	n.p.	—	—	74
Trailed type—	—	—	—	—	—	—	—
Up to and incl. 6 m cutting width	n.p.	153	n.p.	50	n.p.	—	315
Over 6 m cutting width	n.p.	n.p.	n.p.	n.p.	n.p.	—	210
Tine cultivators (incl. row crop type)—	—	—	—	—	—	—	—
Linkage type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	633
Trailed type—	—	—	—	—	—	—	—
Up to and incl. 6 m cutting width	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Over 6 m cutting width	n.p.	n.p.	n.p.	n.p.	n.p.	—	222
Mouldboard ploughs	n.p.	n.p.	17	39	n.p.	—	17
Tine harrows (No. of leaves or sections)	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Disc harrows—	—	—	—	—	—	—	—
Offset—	—	—	—	—	—	—	—
Linkage type	n.p.	n.p.	n.p.	n.p.	10	—	307
Trailed type	n.p.	n.p.	n.p.	n.p.	n.p.	—	361
Other than offset type	n.p.	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.	n.p.	n.p.	n.p.
Linkage type (tractor-mounted)	n.p.	164	n.p.	n.p.	n.p.	n.p.	607
Other	—	—	—	—	—	—	—
SEEDING AND FERTILISING MACHINERY							
Drills and cultivating drills—	—	—	—	—	—	—	—
Tine	n.p.	15	6	n.p.	n.p.	—	215
Disc	—	—	—	—	—	—	—
Pneumatic (air) seeders—	—	—	—	—	—	—	—
Trailed hopper	7	n.p.	n.p.	n.p.	n.p.	—	112
Implement mounted hopper	—	—	n.p.	—	—	—	n.p.
Row crop planters (No. of units)	n.p.	n.p.	n.p.	—	—	—	n.p.
Fertiliser spreaders—	—	—	—	—	—	—	—
Linkage type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Trailed type	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Liquid spreaders	—	—	—	—	—	—	—
HARVESTING, HAYMAKING, ETC. MACHINERY							
Headers (combine harvesters)—	—	—	—	—	—	—	—
Self propelled—	—	—	—	—	—	—	—
Up to and incl. 1,250 mm drum width	36	126	11	n.p.	48	n.p.	245
Over 1,250 mm drum width	n.p.	259	n.p.	17	93	—	431
Rotary type	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.
Agricultural mowers—	—	—	—	—	—	—	—
Reciprocating knife	n.p.	n.p.	—	—	n.p.	—	n.p.
Slasher type	n.p.	n.p.	n.p.	—	n.p.	n.p.	n.p.
Rotary type (incl. disc and drum)	60	781	35	n.p.	46	n.p.	1,182
Hay rakes (all types)	41	n.p.	51	n.p.	n.p.	n.p.	508
Hay balers—	—	—	—	—	—	—	—
Bales up to and incl. 100 kgs	22	150	13	n.p.	n.p.	—	203
Round balers and other large balers	18	73	n.p.	n.p.	35	—	189
Pick-up bale loaders for baled hay	n.p.	n.p.	—	n.p.	n.p.	—	n.p.
Bale elevators and stackers	—	—	—	—	—	—	—
Grain augers	n.p.	n.p.	n.p.	—	—	—	n.p.
OTHER AGRICULTURAL MACHINERY							
Post-hole diggers (auger type)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	140
Post drivers	—	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.