



NEW AGRICULTURAL MACHINERY, AUSTRALIA DECEMBER 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:

- (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 tillage (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*—Includes 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, 1979-80 and 1980-81 (8303.0) (\$1.50, \$2.20 incl. postage) contains statistics on production and assembly within Australia of various types of agricultural machinery.

Overseas Trade, Australia, Part 1: Exports and Imports, 1980-81 (5409.0) (\$32.00, \$34.10 incl. postage) 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

R. J. CAMERON
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	Dec. 1981	Mar. 1982	June 1982	Sept. 1982	Dec. 1982
TILLAGE IMPLEMENTS							
Disc ploughs (a)—							
Linkage type	513	400	108	87	53	49	19
Trailed type—							
Up to and incl. 22 disc	291	141	35	41	23	8	15
Over 22 disc	298	321	112	65	68	8	11
Agricultural rippers (sub-soilers)	1,079	808	167	93	233	161	126
Blade ploughs (sweep ploughs)	86	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Chisel ploughs—							
Linkage type	792	634	139	225	111	73	84
Trailed type	549	794	149	293	151	100	110
Tine scarifiers (incl. row crop type)—							
Linkage type	1,004	204	53	58	44	31	21
Trailed type—							
Up to and incl. 6 m cutting width	630	502	106	149	112	25	45
Over 6 m cutting width	422	417	113	135	62	11	29
Tine cultivators (incl. row crop type)—							
Linkage type	984	1,080	247	209	483	108	230
Trailed type—							
Up to and incl. 6 m cutting width	444	148	n.p.	45	n.p.	n.p.	7
Over 6 m cutting width	1,004	937	253	278	155	85	77
Mouldboard ploughs	213	122	34	n.p.	n.p.	n.p.	n.p.
Tine harrows (No. of leaves or sections)	28,614	20,743	3,370	8,065	5,903	921	823
Disc harrows—							
Offset—							
Linkage type	779	854	151	207	307	116	103
Trailed type	1,570	976	270	183	215	124	122
Other than offset type	59	149	55	n.p.	n.p.	8	n.p.
Rotary hoes (rotary tillers)—							
Walk behind type	4,810	5,241	n.p.	938	n.p.	n.p.	n.p.
Linkage type (tractor-mounted)	1,792	n.p.	n.p.	n.p.	n.p.	325	227
Other	n.p.	n.p.	n.p.	n.p.	—	—	—
SEEDING AND FERTILISING MACHINERY							
Drills and cultivating drills—							
Tine	1,918	1,892	401	935	278	120	110
Disc	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Pneumatic (air) seeders—							
Trailed hopper	652	906	198	240	326	64	50
Implement mounted hopper	60	172	n.p.	n.p.	48	n.p.	n.p.
Row crop planters (No. of units)	291	390	91	n.p.	n.p.	n.p.	90
Fertiliser spreaders—							
Linkage type	911	462	125	67	132	194	111
Trailed type	889	905	170	267	234	74	69
Liquid spreaders	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	669	765	297	90	116	77	61
Over 1,250 mm drum width	761	801	285	62	233	110	183
Rotary type	n.p.	155	43	n.p.	11	n.p.	n.p.
Trailed (P.T.O. driven)	743	705	339	100	57	20	159
Agricultural mowers—							
Reciprocating knife	251	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Slasher type	5,734	6,831	1,821	1,664	1,777	746	909
Rotary type (incl. disc and drum)	1,799	1,166	347	172	178	192	274
Hay rakes (all types)	1,118	1,039	246	88	260	112	229
Hay balers—							
Bales up to and incl. 100 kgs	1,060	912	306	n.p.	n.p.	n.p.	95
Round balers and other large balers	273	341	58	n.p.	n.p.	64	33
Pick-up bale loaders for baled hay	480	326	168	n.p.	n.p.	14	n.p.
Bale elevators and stackers	224	122	n.p.	14	n.p.	8	13
Grain augers	1,974	1,897	812	216	278	337	273
OTHER AGRICULTURAL MACHINERY							
Post-hole diggers (auger type)	1,893	1,292	350	235	386	220	184
Post drivers	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Hammer mills (farm type)	49	37	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.	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	Dec. 1981	Mar. 1982	June 1982	Sept. 1982	Dec. 1982
TILLAGE IMPLEMENTS							
Disc ploughs(a)—							
Linkage type	75	31	41	33	31	97	55
Trailed type—							
Up to and incl. 22 disc	134	116	173	143	116	71	123
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.	166	160
Blade ploughs (sweep ploughs)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Chisel ploughs—							
Linkage type	124	172	164	193	172	130	133
Trailed type	124	93	69	205	93	177	228
Tine scarifiers (incl. row crop type)—							
Linkage type	166	n.p.	n.p.	n.p.	n.p.	74	56
Trailed type—							
Up to and incl. 6 m cutting width	429	349	595	517	349	314	463
Over 6 m cutting width	133	161	n.p.	n.p.	161	210	n.p.
Tine cultivators (incl. row crop type)—							
Linkage type	264	1,351	286	324	1,351	633	1,355
Trailed type—							
Up to and incl. 6 m cutting width	n.p.	63	n.p.	198	63	n.p.	n.p.
Over 6 m cutting width	145	160	109	73	160	222	233
Mouldboard ploughs	92	41	32	31	41	17	32
Tine harrows (No. of leaves or sections)	3,803	n.p.	5,438	4,933	n.p.	n.p.	n.p.
Disc harrows—							
Offset—							
Linkage type	294	429	n.p.	n.p.	429	307	n.p.
Trailed type	n.p.	n.p.	n.p.	n.p.	n.p.	361	832
Other than offset type	n.p.	n.p.	42	n.p.	n.p.	n.p.	n.p.
Rotary hoes (rotary tillers)—							
Walk behind type	1,444	783	n.p.	653	783	n.p.	1,690
Linkage type (tractor-mounted)	734	571	590	562	571	607	413
Other	—	n.p.	n.p.	n.p.	n.p.	—	n.p.
SEEDING AND FERTILISING MACHINERY							
Drills and cultivating drills—							
Tine	418	234	536	799	234	215	433
Disc	—	—	—	—	—	—	n.p.
Pneumatic (air) seeders—							
Trailed hopper	n.p.	140	30	60	140	112	133
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	14	26	55	n.p.	33
Liquid spreaders	—	—	n.p.	—	—	—	—
HARVESTING, HAYMAKING, ETC. MACHINERY							
Headers (combine harvesters)—							
Self propelled—							
Up to and incl. 1,250 mm drum width	368	314	393	353	314	245	437
Over 1,250 mm drum width	181	188	136	98	188	431	368
Rotary type	n.p.	n.p.	n.p.	51	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.	n.p.	n.p.	n.p.
Rotary type (incl. disc and drum)	850	224	658	536	224	1,182	1,277
Hay rakes (all types)	312	n.p.	265	297	n.p.	508	525
Hay balers—							
Bales up to and incl. 100 kgs	194	n.p.	103	106	n.p.	203	340
Round balers and other large balers	118	208	141	109	208	189	168
Pick-up bale loaders for baled hay	30	n.p.	85	9	n.p.	n.p.	n.p.
Bale elevators and stackers	n.p.	—	—	n.p.	—	—	—
Grain augers	n.p.	33	19	n.p.	33	n.p.	n.p.
OTHER AGRICULTURAL MACHINERY							
Post-hole diggers (auger type)	108	179	117	70	179	140	125
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 31 DECEMBER 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 ploughs(a)—							
Linkage type	—	3	n.p.	n.p.	n.p.	n.p.	19
Trailed type—							
Up to and incl. 22 disc	n.p.	6	n.p.	n.p.	—	n.p.	15
Over 22 disc	n.p.	n.p.	—	n.p.	n.p.	—	11
Agricultural rippers (sub-soilers)	73	11	40	—	n.p.	n.p.	126
Blade ploughs (sweep ploughs)	n.p.	n.p.	n.p.	n.p.	—	—	n.p.
Chisel ploughs—							
Linkage type	52	9	18	—	n.p.	n.p.	84
Trailed type	10	n.p.	62	6	28	n.p.	110
Tine scarifiers (incl. row crop type)—							
Linkage type	n.p.	—	n.p.	n.p.	n.p.	n.p.	21
Trailed type—							
Up to and incl. 6 m cutting width	n.p.	11	13	n.p.	n.p.	—	45
Over 6 m cutting width	n.p.	4	7	n.p.	n.p.	—	29
Tine cultivators (incl. row crop type)—							
Linkage type	41	42	123	n.p.	n.p.	n.p.	230
Trailed type—							
Up to and incl. 6 m cutting width	n.p.	n.p.	n.p.	—	n.p.	—	7
Over 6 m cutting width	11	4	n.p.	n.p.	n.p.	n.p.	77
Mouldboard ploughs	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Tine harrows (No. of leaves or sections)	n.p.	109	229	n.p.	67	n.p.	823
Disc harrows—							
Offset—							
Linkage type	n.p.	23	18	5	8	n.p.	103
Trailed type	36	34	42	6	n.p.	n.p.	122
Other than offset type	—	—	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.	45	n.p.	17	n.p.	n.p.	227
Other	—	—	—	—	—	—	—
SEEDING AND FERTILISING MACHINERY							
Drills and cultivating drills—							
Tine	19	15	n.p.	25	37	n.p.	110
Disc	n.p.	n.p.	—	—	n.p.	—	n.p.
Pneumatic (air) seeders—							
Trailed hopper	n.p.	n.p.	n.p.	7	23	—	50
Implement mounted hopper	n.p.	n.p.	—	—	n.p.	—	n.p.
Row crop planters (No. of units)	n.p.	n.p.	n.p.	—	n.p.	—	90
Fertiliser spreaders—							
Linkage type	n.p.	13	79	n.p.	n.p.	n.p.	111
Trailed type	6	30	—	n.p.	n.p.	—	69
Liquid spreaders	—	—	—	—	—	—	—
HARVESTING, HAYMAKING, ETC. MACHINERY							
Headers (combine harvesters)—							
Self propelled—							
Up to and incl. 1,250 mm drum width	6	n.p.	n.p.	12	37	—	61
Over 1,250 mm drum width	n.p.	n.p.	23	n.p.	n.p.	—	183
Rotary type	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Trailed (P.T.O. driven)	17	n.p.	n.p.	44	83	—	159
Agricultural mowers—							
Reciprocating knife	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Slasher type	511	145	207	11	n.p.	n.p.	909
Rotary type (incl. disc and drum)	42	105	n.p.	41	79	n.p.	274
Hay rakes (all types)	67	97	n.p.	25	18	n.p.	229
Hay balers—							
Bales up to and incl. 100 kgs	24	29	16	n.p.	16	n.p.	95
Round balers and other large balers	5	3	6	4	15	—	33
Pick-up bale loaders for baled hay	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Bale elevators and stackers	n.p.	5	—	n.p.	—	—	13
Grain augers	26	45	n.p.	—	n.p.	n.p.	273
OTHER AGRICULTURAL MACHINERY							
Post-hole diggers (auger type)	45	56	61	10	n.p.	n.p.	184
Post drivers	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.

TABLE 4. STOCKS OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY
STATES, QUARTER ENDED 31 DECEMBER 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 ploughs(a)—							
Linkage type	n.p.	20	32	n.p.	n.p.	—	55
Trailed type—							
Up to and incl. 22 disc	n.p.	70	n.p.	17	n.p.	—	123
Over 22 disc	—	n.p.	n.p.	n.p.	n.p.	—	n.p.
Agricultural rippers (sub-soilers)	n.p.	n.p.	95	—	n.p.	—	160
Blade ploughs (sweep ploughs)	n.p.	n.p.	n.p.	69	n.p.	—	157
Chisel ploughs—							
Linkage type	15	n.p.	82	12	n.p.	—	133
Trailed type	22	11	20	80	95	—	228
Tine scarifiers (incl. row crop type)—							
Linkage type	—	n.p.	n.p.	n.p.	—	—	56
Trailed type—							
Up to and incl. 6 m cutting width	n.p.	n.p.	n.p.	57	127	—	463
Over 6 m cutting width	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Tine cultivators (incl. row crop type)—							
Linkage type	17	n.p.	n.p.	n.p.	n.p.	n.p.	1,355
Trailed type—							
Up to and incl. 6 m cutting width	—	n.p.	n.p.	n.p.	n.p.	—	n.p.
Over 6 m cutting width	7	n.p.	22	n.p.	n.p.	—	233
Mouldboard ploughs	n.p.	9	—	—	n.p.	—	32
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.	n.p.	—	n.p.
Trailed type	n.p.	n.p.	173	68	19	—	832
Other than offset type	—	n.p.	—	—	—	—	n.p.
Rotary hoes (rotary tillers)—							
Walk behind type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	1,690
Linkage type (tractor-mounted)	n.p.	133	n.p.	n.p.	n.p.	n.p.	413
Other	n.p.	—	n.p.	—	n.p.	—	n.p.
SEEDING AND FERTILISING MACHINERY							
Drills and cultivating drills—							
Tine	n.p.	n.p.	9	113	136	—	433
Disc	n.p.	n.p.	—	—	n.p.	—	n.p.
Pneumatic (air) seeders—							
Trailed hopper	n.p.	n.p.	10	n.p.	19	—	133
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.
Trailed type	9	n.p.	n.p.	n.p.	n.p.	—	33
Liquid spreaders	—	—	—	—	—	—	—
HARVESTING, HAYMAKING, ETC. MACHINERY							
Headers (combine harvesters)—							
Self propelled—							
Up to and incl. 1,250 mm drum width	58	214	n.p.	74	78	n.p.	437
Over 1,250 mm drum width	32	187	61	18	70	—	368
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.	—	n.p.
Slasher type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Rotary type (incl. disc and drum)	82	844	50	n.p.	44	n.p.	1,277
Hay rakes (all types)	49	246	70	n.p.	34	n.p.	525
Hay balers—							
Bales up to and incl. 100 kgs	44	224	44	12	16	—	340
Round balers and other large balers	21	69	n.p.	n.p.	22	—	168
Pick-up bale loaders for baled hay	n.p.	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.	70	19	9	n.p.	—	125
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.

(a) Includes disc cultivating ploughs and disc tillers.