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**SALES AND STOCKS OF NEW AGRICULTURAL
MACHINERY, AUSTRALIA
MARCH QUARTER 1989**

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TABLE 1. SALES OF NEW AGRICULTURAL MACHINERY
(number)

Type of implement or machine	Year ended		Quarter ended						
	June 1987	June 1988	Dec. 1987	Mar. 1988	June 1988	Sept. 1988	Dec. 1988	Mar. 1989	
TILLAGE IMPLEMENTS									
Disc ploughs (a)—									
Linkage type	67	80	14	8	38	49			
Trailed type—									
Up to and incl. 22 disc	49	n.p.	n.p.	n.p.	n.p.	n.p.		r58	37
Over 22 disc	41	61	n.p.	n.p.	n.p.	n.p.			
Agricultural rippers (sub-soilers)	467	658	157	120	225	199	161	135	
Blade ploughs (sweep ploughs)	36	10	—	—	n.p.	n.p.	n.p.	n.p.	
Chisel ploughs—									
Linkage type	208	304	59	73	123	n.p.			
Trailed type	123	168	29	51	57	34	r119	87	
Tine scarifiers (incl. row crop type)—									
Linkage type	19	71	n.p.	21	39	2 0			
Trailed type—									
Up to and incl. 6 m cutting width	26	n.p.	18	n.p.	n.p.	n.p.		50	58
Over 6 m cutting width	32	n.p.	33	n.p.	n.p.	19	r28		
Tine cultivators (incl. row crop type)—									
Linkage type	166	199	49	32	65	54	r57	80	
Trailed type—									
Up to and incl. 6 m cutting width	n.p.	48	n.p.	n.p.	18	14	—		
Over 6 m cutting width	116	237	50	52	91	57	r63	193	
Mouldboard ploughs	8	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.	
Tine harrows (No. of leaves or sections)	7,955	n.p.	1,512	n.p.	n.p.	1,380	n.p.	n.p.	
Disc harrows—									
Offset—									
Linkage type	297	n.p.	58	74	n.p.	92			
Trailed type	230	330	75	71	126	66		184	164
Other than offset type	63	n.p.	n.p.	n.p.	n.p.	n.p.			
Rotary hoes (rotary tillers)—									
Walk behind type	1,458	n.p.	n.p.	n.p.	n.p.	n.p.			
Linkage type (tractor-mounted)	220	n.p.	n.p.	n.p.	n.p.	46		497	287
Other	n.p.	—	—	—	—	—		—	—
SEEDING AND FERTILISING MACHINERY									
Drills and cultivating drills—									
Tine	283	509	75	139	222	n.p.	n.p.	160	
Pneumatic (air) seeders—									
Trailed hopper	122	196	61	37	66	39			
Implement mounted hopper	22	n.p.	n.p.	n.p.	n.p.	n.p.		44	95
Row crop planters (No. of units)	229	n.p.	71	n.p.	n.p.	24	n.p.	n.p.	
Fertiliser spreaders—									
Linkage type	486	n.p.	109	n.p.	n.p.	128	r124	n.p.	
Trailed type	415	n.p.	130	n.p.	n.p.	n.p.	221	254	
Liquid spreaders	14	n.p.	—	n.p.	n.p.	4	n.p.	—	
HARVESTING, HAYMAKING, ETC. MACHINERY									
Headers (combine harvesters)—									
Self propelled—									
Up to and incl. 1,250 mm drum width	34	45	22	18	15	26			
Over 1,250 mm drum width	120	137	58	30	35	n.p.		115	91
Rotary type	33	n.p.	n.p.	n.p.	n.p.	13			
Trailed (P.T.O. driven)	86	61	39	8	15	22	40	12	
Agricultural mowers—									
Slasher type	2,563	2,809	848	702	682	812			
Rotary type (incl. disc and drum)	1,065	n.p.	405	236	n.p.	n.p.		1,217	1,078
Hay rakes (all type)	353	n.p.	149	164	n.p.	196	177	136	
Hay balers—									
Bales up to and incl. 100 kgs	204	n.p.	35	n.p.	n.p.	18			
Round balers and other large balers	395	411	145	57	129	238		121	148
Pick-up bale loaders for baled hay	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
Bale elevators and stackers	38	n.p.	14	n.p.	n.p.	n.p.	n.p.	n.p.	
Grain augers	280	547	215	145	146	155	199	87	
OTHER AGRICULTURAL MACHINERY									
Post-hole diggers (auger type)	462	672	102	216	183	165	187	158	
Post drivers	674	442	83	n.p.	n.p.	168	n.p.	n.p.	
Hammer mills (farm type)	n.p.	n.p.	n.p.	n.p.	n.p.	—	5	7	
Grinder mixers (incl. feed mixing trailers)	273	n.p.	39	n.p.	61	n.p.	n.p.	n.p.	

(a) Includes disc cultivating ploughs and disc tillers.

TABLE 2. SALES OF NEW AGRICULTURAL MACHINERY STATES, MARCH QUARTER 1989
(number)

Type of implement or machine	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							
Trailed type—							
Up to and incl. 22 disc	n.p.	n.p.	n.p.	—	n.p.	—	37
Over 22 disc							
Agricultural rippers (sub-soilers)	86	21	15	5	n.p.	n.p.	135
Blade ploughs (sweep ploughs)	n.p.	—	—	n.p.	—	—	n.p.
Chisel ploughs—							
Linkage type	53	11	n.p.	n.p.	n.p.	n.p.	87
Trailed type							
Tine scarifiers (incl. row crop type)—							
Linkage type							
Trailed type—	27	n.p.	n.p.	n.p.	n.p.	n.p.	58
Up to and incl. 6 m cutting width							
Over 6 m cutting width							
Tine cultivators (incl. row crop type)—							
Linkage type							
Trailed type—	68	34	n.p.	53	95	n.p.	273
Up to and incl. 6 m cutting width							
Over 6 m cutting width							
Mouldboard ploughs	n.p.	—	—	—	—	—	n.p.
Tine harrows (No. of leaves or sections)	n.p.	n.p.	352	n.p.	403	n.p.	n.p.
Disc harrows—							
Offset—							
Linkage type	74	48	25	n.p.	n.p.	n.p.	164
Trailed type							
Other than offset type							
Rotary hoes (rotary tillers)—							
Walk behind type							
Linkage type (tractor-mounted)	86	n.p.	n.p.	n.p.	n.p.	n.p.	287
Other	—	—	—	—	—	—	—
SEEDING AND FERTILISING MACHINERY							
Drills and cultivating drills—							
Tine	n.p.	n.p.	7	n.p.	n.p.	n.p.	160
Pneumatic (air) seeders—							
Trailed hopper	44	n.p.	n.p.	5	36	—	95
Implement mounted hopper							
Row crop planters (No. of units)	—	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Fertiliser spreaders—							
Linkage type							
Trailed type	85	174	n.p.	n.p.	75	11	n.p.
Liquid spreaders							254
HARVESTING, HAYMAKING, ETC. MACHINERY							
Headers (combine harvesters)—							
Self propelled—							
Up to and incl. 1,250 mm drum width	17	n.p.	n.p.	n.p.	25	—	91
Over 1,250 mm drum width							
Rotary type	n.p.	n.p.	—	n.p.	3	—	12
Trailed (P.T.O. driven)							
Agricultural mowers—							
Slasher type	600	216	190	38	n.p.	n.p.	1,078
Rotary type (incl. disc and drum)							
Hay rakes (all types)	30	49	n.p.	n.p.	n.p.	n.p.	136
Hay balers—							
Bales up to and incl. 100 kgs	56	40	n.p.	10	8	n.p.	148
Round balers and other large balers							
Pick-up bale loaders for baled hay	n.p.	n.p.	n.p.	—	—	—	n.p.
Bale elevators and stackers	—	n.p.	n.p.	n.p.	—	—	n.p.
Grain augers	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	87
OTHER AGRICULTURAL MACHINERY							
Post-hole diggers (auger type)	n.p.	15	15	5	n.p.	n.p.	158
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.	7
Grinder mixers (incl. feed mixing trailers)	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.

(a) Includes disc cultivating ploughs and disc tillers.

TABLE 3. STOCKS OF NEW AGRICULTURAL MACHINERY
(number)

Type of implement or machine	As at					
	31 Dec. 1987	31 Mar. 1988	30 June 1988	30 Sept. 1988	31 Dec. 1988	31 Mar. 1989
TILLAGE IMPLEMENTS						
Disc ploughs* (a)—						
Linkage type	14	11	19	21	23	27
Trailed type—						
Up to and incl. 22 disc	n.p.	n.p.	n.p.	n.p.	—	—
Over 22 disc	—	—	—	—	—	—
Agricultural rippers (sub-soilers)	34	25	22	18	14	17
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.	} 42	88
Trailed type	70	n.p.	8	n.p.		
Tine scarifiers (incl. row crop type)—						
Linkage type	n.p.	14	12	} 29	11	9
Trailed type—						
Up to and incl. 6 m cutting width	n.p.	n.p.	15			
Over 6 m cutting width	n.p.	n.p.	n.p.			
Tine cultivators (incl. row crop type)—						
Linkage type	n.p.	n.p.	87	} 156	84	138
Trailed type—						
Up to and incl. 6 m cutting width	n.p.	n.p.	29			
Over 6 m cutting width	30	18	16			
Mouldboard ploughs	n.p.	33	n.p.	n.p.	n.p.	20
Tine harrows (No. of leaves or sections)	n.p.	n.p.	n.p.	n.p.	n.p.	723
Disc harrows—						
Offset—						
Linkage type	12	12	10	8	} 34	27
Trailed type	32	22	23	23		
Other than offset type	n.p.	n.p.	n.p.	n.p.		
Rotary hoes (rotary tillers)—						
Walk behind type	n.p.	n.p.	n.p.	n.p.	} 629	685
Linkage type (tractor-mounted)	n.p.	n.p.	n.p.	n.p.		
Other	—	—	—	—	—	—
SEEDING AND FERTILISING MACHINERY						
Drills and cultivating drills—						
Tine	60	55	45	39	n.p.	18
Pneumatic (air) seeders—						
Trailed hopper	44	14	7	13	n.p.	n.p.
Implement mounted hopper	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.
Fertiliser spreaders—						
Linkage type	104	n.p.	n.p.	44	56	43
Trailed type	18	n.p.	17	17	10	9
Liquid spreaders	—	—	—	—	—	—
HARVESTING, HAYMAKING, ETC. MACHINERY						
Headers (combine harvesters)—						
Self propelled—						
Up to and incl. 1,250 mm drum width	86	87	95	88	} 135	171
Over 1,250 mm drum width	177	150	123	154		
Rotary type	n.p.	n.p.	18	n.p.		
Trailed (P.T.O. driven)	n.p.	n.p.	n.p.	135	84	111
Agricultural mowers—						
Slasher type	125	n.p.	37	34	36	} 862
Rotary type (incl. disc and drum)	656	n.p.	n.p.	907	951	
Hay rakes (all types).	n.p.	n.p.	n.p.	95	59	50
Hay balers—						
Bales up to and incl. 100 kgs	93	67	31	19	} 173	39
Round balers and other large balers	116	107	73	107		
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.	n.p.	n.p.	n.p.	n.p.	n.p.
Grain augers	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
OTHER AGRICULTURAL MACHINERY						
Post-hole diggers (auger type)	61	14	n.p.	65	33	18
Post drivers	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Hammer mills (farm types)	—	—	—	—	—	—
Grinder mixers (incl. feed mixing trailers)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.

(a) Includes disc cultivating ploughs and disc tillers.

EXPLANATORY NOTES

Introduction

1. This publication presents statistics of sales and stocks of certain types of new agricultural machinery.
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.

Definitions

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. *Components* which have not yet been assembled into complete machines and *equipment not requiring power units* are excluded from these statistics.
6. *Linkage type (tractor mounting type)* includes semi-mounting type.
7. *Disc ploughs* includes disc cultivating ploughs and disc tillers.
8. *Blade ploughs (sweep ploughs)* are implements used for minimum tillage and consisting of widely spaced tines fitted with wide sweeps or connected by blades which cut roots below ground level without disturbing top soil.
9. *Chisel ploughs* includes implements of the type which usually have narrow pointed tines placed well apart (30cm or more) and which can usually penetrate to a depth of 20cm or more.
10. *Tine scarifiers* includes implements primarily designed for primary cultivation as 'scarifiers'.
11. *Tine cultivators* includes implements primarily designed for secondary cultivation as 'cultivators'.
12. *Tine harrows* includes driven tine, diamond and stump jump harrows. Excludes drill and following harrows.
13. *Disc harrows* excludes disc implements capable of being used for both ploughing and harrowing.
14. *Pneumatic (air) seeders* excludes pneumatic seeders sold mounted on an implement, which is shown under its own category.

15. *Agricultural mowers (rotary)* excludes cylinder reel types.

16. *Pick-up bale loaders for baled hay* excludes combination stacker-loaders.

17. *Bale elevators and stackers* includes units for use at stack site.

18. *Hammer mills (farm type)* includes roughage mills.

Related publications

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

Manufacturing Commodities, Principal Articles Produced, Australia, 1983-84 and 1984-85 (8303.0) contains statistics on production and assembly within Australia of various types of agricultural machinery.

Foreign Trade, Australia, Exports (5436.0) which contains details of exports according to type and country of destination.

Foreign Trade, Australia, Imports (5437.0) which contains details of imports 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.

20. 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
 r revised since previous issue

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