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NEW AGRICULTURAL MACHINERY, AUSTRALIA DECEMBER QUARTER 1986

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- ELECTRONIC SERVICES • on **VIATEL**—key *656#. • on **AUSSTATS**—phone (062) 52 6017.
• on **TELESTATS**—phone (062) 52 5404

EXPLANATORY NOTES

Introduction

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, Part 1: Exports and Imports, 1984-85 (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.

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 or rounded to zero
- r revised since previous issue

Electronic services

21. VIATEL. Key *656# for selected current economic, social and demographic statistics.

AUSSTATS. Thousands of up-to-date time series are available on this ABS on-line service through CSIRONET.

For further information phone the AUSSTATS Help Desk on (062) 52 6017.

TELESTATS. This service provides foreign trade statistics tailored to users' requirements.

Further information is available on (062) 52 5404.

IAN CASTLES
Australian Statistician

TABLE 1. SALES OF NEW AGRICULTURAL MACHINERY
(number)

Type of implement or machine	Year ended		Quarter ended				
	June 1985	June 1986	Dec. 1985	March 1986	June 1986	Sept. 1986	Dec. 1986
TILLAGE IMPLEMENTS							
Disc ploughs (a)—	99	100	16	11	26	33	11
Linkage type							
Trailed type—	19	25	n.p.	n.p.	9	15	8
Up to and incl. 22 disc	102	89	16	23	14	n.p.	n.p.
Over 22 disc	492	443	111	83	129	107	109
Agricultural rippers (sub-soilers)	128	50	7	26	9	7	6
Blade ploughs (sweep ploughs)							
Chisel ploughs—	296	206	n.p.	39	n.p.	43	55
Linkage type	546	186	44	n.p.	n.p.	12	37
Trailed type							
Tine scarifiers (incl. row crop type)—	80	54	n.p.	15	n.p.	9	n.p.
Linkage type—							
Trailed type—	148	85	19	n.p.	n.p.	n.p.	12
Up to and incl. 6 m cutting width	175	152	29	44	38	n.p.	n.p.
Over 6 m cutting width							
Tine cultivators (incl. row crop type)—	241	140	33	33	33	n.p.	47
Linkage type—							
Trailed type—	53	18	n.p.	n.p.	—	n.p.	—
Up to and incl. 6 m cutting width	468	371	114	100	84	11	26
Over 6 m cutting width	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Mouldboard ploughs	12,851	7,309	1,460	2,089	2,035	1,187	808
Tine harrows (No. of leaves or sections)							
Disc harrows—							
Offset—							
Linkage type	516	365	129	73	68	77	50
Trailed type	632	396	81	125	64	32	80
Other than offset type	96	77	30	13	n.p.	16	17
Rotary hoes (rotary tillers)—	2,145	2,344	764	456	403	656	327
Walk behind type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Linkage type (tractor-mounted)	n.p.	n.p.	n.p.	n.p.	n.p.	—	—
Other							
SEEDING AND FERTILISING MACHINERY							
Drills and cultivating drills—	1,007	375	67	104	84	96	64
Tine							
Pneumatic (air) seeders—	309	142	25	44	44	15	20
Trailed hopper	144	179	39	46	55	n.p.	n.p.
Implement mounted hopper	142	35	n.p.	n.p.	n.p.	41	n.p.
Row crop planters (No. of units)							
Fertiliser spreaders—	245	152	12	n.p.	n.p.	147	169
Linkage type	452	312	55	83	98	61	76
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	199	106	46	25	20	n.p.	7
Over 1,250 mm drum width	623	209	70	39	8	21	61
Rotary type	529	163	54	n.p.	n.p.	7	n.p.
Trailed (P.T.O. driven)	434	111	60	30	5	n.p.	n.p.
Agricultural mowers—	4,913	2,991	1,128	758	448	591	860
Slasher type	1,318	1,232	334	307	240	252	400
Rotary type (incl. disc and drum)	592	281	111	75	53	72	157
Hay rakes (all types)							
Hay balers—	565	106	21	28	18	67	63
Bales up to and incl. 100 kgs	580	300	114	47	82	82	170
Round balers and other large balers	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Pick-up bale loaders for baled hay	36	58	24	n.p.	n.p.	n.p.	11
Bale elevators and stackers	804	389	189	60	48	r37	157
Grain augers							
OTHER AGRICULTURAL MACHINERY							
Post-hole diggers (auger type)	816	495	121	89	93	111	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.	n.p.	n.p.	n.p.	n.p.	n.p.
Grinder mixers (incl. feed mixing trailers)	34	111	15	n.p.	62	51	59

(a) Includes disc cultivating ploughs and disc tillers.

TABLE 2. SALES OF NEW AGRICULTURAL MACHINERY
STATES, DECEMBER QUARTER 1986
(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	—	—	n.p.	—	n.p.	—	11
Trailed type—							
Up to and incl. 22 disc	n.p.	—	n.p.	—	—	n.p.	8
Over 22 disc	—	n.p.	n.p.	n.p.	n.p.	—	n.p.
Agricultural rippers (sub-soilers)	80	14	10	n.p.	n.p.	n.p.	109
Blade ploughs (sweep ploughs)	—	n.p.	n.p.	—	—	—	6
Chisel ploughs—							
Linkage type	37	—	n.p.	—	n.p.	n.p.	55
Trailed type	n.p.	10	15	n.p.	—	—	37
Tine scarifiers (incl. row crop type)—							
Linkage type	n.p.	n.p.	—	—	—	—	n.p.
Trailed type—							
Up to and incl. 6 m cutting width	n.p.	3	n.p.	n.p.	—	n.p.	12
Over 6 m cutting width	n.p.	n.p.	n.p.	n.p.	—	—	n.p.
Tine cultivators (incl. row crop type)—							
Linkage type	n.p.	n.p.	n.p.	n.p.	—	—	47
Trailed type—							
Up to and incl. 6 m cutting width	—	—	—	—	—	—	—
Over 6 m cutting width	9	n.p.	n.p.	6	5	—	26
Mouldboard ploughs	n.p.	—	—	—	—	n.p.	n.p.
Tine harrows (No. of leaves or sections)	345	67	196	126	n.p.	n.p.	808
Disc harrows—							
Offset—							
Linkage type	22	n.p.	n.p.	7	—	n.p.	50
Trailed type	31	n.p.	20	n.p.	—	n.p.	80
Other than offset type	7	n.p.	n.p.	—	n.p.	n.p.	17
Rotary hoes (rotary tillers)—							
Walk behind type	n.p.	n.p.	n.p.	n.p.	n.p.	—	327
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	18	n.p.	16	n.p.	n.p.	n.p.	64
Pneumatic (air) seeders—							
Trailed hopper	n.p.	—	n.p.	9	—	—	20
Implement mounted hopper	—	—	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	31	55	52	n.p.	n.p.	n.p.	169
Trailed type	n.p.	29	n.p.	n.p.	n.p.	n.p.	76
Liquid spreaders	—	—	—	—	—	—	—
HARVESTING, HAYMAKING, ETC. MACHINERY							
Headers (combine harvesters)—							
Self propelled—							
Up to and incl. 1,250 mm drum width	—	n.p.	n.p.	n.p.	n.p.	—	7
Over 1,250 mm drum width	n.p.	20	—	21	n.p.	—	61
Rotary type	—	n.p.	—	n.p.	n.p.	—	n.p.
Trailed (P.T.O. driven)	—	n.p.	—	n.p.	—	—	n.p.
Agricultural mowers—							
Slasher type	454	251	65	24	12	54	860
Rotary type (incl. disc and drum)	64	185	n.p.	46	n.p.	26	400
Hay rakes (all types)	28	87	n.p.	15	16	n.p.	157
Hay balers—							
Bales up to and incl. 100 kgs	21	25	n.p.	7	n.p.	—	63
Round balers and other large balers	34	89	15	18	11	3	170
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.	n.p.	n.p.	—	n.p.	—	11
Grain augers	32	n.p.	n.p.	n.p.	n.p.	—	157
OTHER AGRICULTURAL MACHINERY							
Post-hole diggers (auger type)	57	19	11	6	9	—	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.	—	—	—	—	n.p.
Grinder mixers (incl. feed mixing trailers)	30	13	n.p.	—	n.p.	—	59

(a) Includes disc cultivating ploughs and disc tillers.

TABLE 3. STOCKS OF NEW AGRICULTURAL MACHINERY
(number)

Type of implement or machine	As at					
	30 Sept. 1985	31 Dec. 1985	31 March 1986	30 June 1986	30 Sept. 1986	31 Dec. 1986
TILLAGE IMPLEMENTS						
Disc ploughs (a)—						
Linkage type	42	39	46	n.p.	34	38
Trailed type—						
Up to and incl. 22 disc	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 22 disc	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Agricultural rippers (sub-soilers)	37	51	65	51	36	33
Blade ploughs (sweep ploughs)	81	n.p.	n.p.	n.p.	n.p.	n.p.
Chisel ploughs—						
Linkage type	57	18	23	n.p.	22	n.p.
Trailed type	339	293	350	363	357	431
Time scarifiers (incl. row crop type)—						
Linkage type	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Trailed type—						
Up to and incl. 6 m cutting width	233	n.p.	70	n.p.	32	30
Over 6 m cutting width	198	117	n.p.	n.p.	n.p.	n.p.
Time cultivators (incl. row crop type)—						
Linkage type	127	n.p.	n.p.	n.p.	n.p.	n.p.
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	153	111	202	n.p.	98	88
Mouldboard ploughs	22	n.p.	n.p.	15	n.p.	n.p.
Time harrows (No. of leaves or sections)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Disc harrows—						
Offset—						
Linkage type	84	22	46	11	16	8
Trailed type	240	n.p.	162	23	24	16
Other than offset type	42	40	47	29	27	n.p.
Rotary hoes (rotary tillers)—						
Walk behind type	429	330	n.p.	227	175	46
Linkage type (tractor-mounted)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Other	n.p.	n.p.	n.p.	—	n.p.	n.p.
SEEDING AND FERTILISING MACHINERY						
Drills and cultivating drills—						
Time	298	n.p.	313	n.p.	214	162
Pneumatic (air) seeders—						
Trailed hopper	155	n.p.	190	140	158	149
Implement mounted hopper	n.p.	21	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	57	n.p.	n.p.	n.p.	55	n.p.
Trailed type	34	n.p.	73	28	24	19
Liquid spreaders	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
HARVESTING, HAYMAKING, ETC. MACHINERY						
H-raders (combine harvesters)—						
Self propelled—						
Up to and incl. 1,250 mm drum width	131	88	88	85	87	73
Over 1,250 mm drum width	307	237	439	353	341	252
Rotary type	267	n.p.	n.p.	n.p.	n.p.	n.p.
Trailed (P.T.O. driven)	67	128	117	119	118	n.p.
Agricultural mowers—						
Slasher type	117	114	170	n.p.	n.p.	n.p.
Rotary type (incl. disc and drum)	1,058	929	970	972	1,168	838
Hay rakes (all types)	470	421	418	n.p.	410	n.p.
Hay balers—						
Bales up to and incl. 100 kgs	214	309	357	245	200	197
Round balers and other large balers	269	278	333	236	302	146
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.
OTHER AGRICULTURAL MACHINERY						
Post-hole diggers (auger type)	118	n.p.	n.p.	n.p.	n.p.	n.p.
Post drivers	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Hammer mills (farm type)	—	—	—	—	—	—
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.