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NEW AGRICULTURAL MACHINERY STATISTICS

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QUARTERLY BULLETIN No. 26 SEPTEMBER QUARTER 1967



COMMONWEALTH BUREAU OF CENSUS AND STATISTICS
CANBERRA, AUSTRALIA

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SEPTEMBER QUARTER 1967

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SYMBOLS USED IN THIS BULLETIN

- * - Not collected prior to September 1967
- .. - Nil, or less than half the final digit shown, or not applicable
- r - Figures or series revised since previous issue

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

- (i) Principal types of farm machinery on rural holdings (annually).
- (ii) Production and assembly within Australia of various types of agricultural machinery (annually).
- (iii) Imports and exports, classified according to type and country of origin and destination (annually).

Statistics of receipts, sales and stocks of new tractors are issued quarterly in a separate bulletin.

EXPLANATORY NOTES

(i) Introduction. The tables in this bulletin show statistics of receipts, deliveries and stocks of certain types of imported and Australian-made new agricultural machinery. After consultation with the trade it was decided to widen the scope of this bulletin by the inclusion of certain new items, commencing with quarter ending 30 September 1967. In some instances, where items have been redefined or introduced for the first time, periods prior to September 1967 are not available.

(ii) Source of the statistics. These statistics have been derived from returns collected from "principals" marketing new agricultural machinery. These "principals" are those businesses in Australia which, with respect to the items of new agricultural machinery specified in the returns (a) market under their own name or trade name(s) or, (b) import into Australia and market under the name or trade name(s) of businesses overseas. "Principals" complete separate returns for each State or arrange for their completion by State distributors.

(iii) Receipts represent implements and machines received by the principals or by their distributors direct from Australian manufacturers or from overseas. The figures, which exclude exports, relate only to machinery and implements for marketing within Australia.

(iv) Deliveries represent implements and machines sent to agents or dealers by the principals, or by the State distributors. Transfers of machinery or implements from principals to their State distributors are not recorded as deliveries. In addition the transfer of machinery or implements by distributors direct to dealers or agents in other States is not regarded as a delivery until a sale to the end-user is made. Direct sales to end-users by principals or distributors are similarly regarded as deliveries.

(v) 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.

(vi) Definition of items

(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) "Tractor-mounting type" refers to machinery which can be either fully-mounted or semi-mounted.

(d) Disc ploughs - Includes disc cultivating ploughs and disc tillers (one-way discers).

(e) Chisel ploughs - Includes implements of the type which usually have narrow pointed tynes spaced well apart (12" or more) and which can usually penetrate to a depth of 8" or more.

(f) Tyne harrows - Include driven tyne, diamond and stump jump harrows. Excludes drill and following harrows.

(g) Other harrows (other than tyne or disc) - Includes full chain harrows and combinations of tynes, chains, etc. Excludes drill and following harrows.

(h) Tyne cultivators and scarifiers - Includes implements of the type which have wide pointed tynes spaced closely together (6" to 8") to give complete coverage of the ground and, which are usually designed to work to depths of 3" to 5".

(i) Drills and cultivating drills - Includes sod seeders and combines, but excludes row crop planters.

(j) Fertiliser spreaders - Excludes truck-mounted spreaders.

(k) Headers (combine harvesters) Drawn - includes both engine-functioned and power take-off types.

(l) Rotary mowers - Excludes cylinder reel types.

(m) Windrowers - Excludes drawn windrowers.

(n) Pick-up bale loaders for baled hay - Excludes combination stacker-loaders.

(o) Bale elevators and stackers - Includes combination stacker-loaders.

(p) Hammer mills (farm type) - Includes roughage mills, but excludes grinder mixers.

TABLE 1. - RECEIPTS OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY:

AUSTRALIA

(Number)

Type of implement and machine	Year ended -			Quarter ended -					
	30 June 1965	30 June 1966	30 June 1967	30 June 1966	30 Sept. 1966	31 Dec. 1966	31 March 1967	30 June 1967	30 Sept. 1967
- TILLAGE IMPLEMENTS -									
Disc ploughs (incl. disc cultivating ploughs and disc tillers) -									
Tractor-mounting type	3,279	1,646	1,119	82	808	223	(b)-71	159	26
Trailing type	5,430	2,815	r3,571	418	r474	r1,258	r894	r945	961
Agricultural rippers (sub-soilers)	*	*	*	*	*	*	*	*	608
Chisel ploughs -									
Tractor-mounting type	1,202	651	908	195	225	175	280	228	283
Trailing type	247	(a)	144	(a)	31	43	(a)	(a)	(a)
Mouldboard ploughs	1,497	915	r637	211	68	177	213	r179	293
Tyne harrows (no. of leaves or sections)	73,703	55,470	47,146	14,783	4,523	7,147	15,943	19,533	6,001
Disc harrows (incl. offset and other than offset)									
Tractor-mounting type									808
Trailing type	*	*	*	*	*	*	*	*	228
Other harrows (other than tyne or disc)									719
Tyne cultivators and scarifiers									
Tractor-mounting type (incl. mid mounted)	r9,127	r5,170	r2,983	r1,011	r777	r574	r662	r970	1,181
Trailing type	5,218	2,957	3,244	860	478	953	876	937	724
Rotary cultivators -									
Self-contained power unit type									
(3 brake horse-power and over)	6,146	5,562	r3,608	789	995	1,422	667	r524	1,448
Tractor-mounting and trailing type									
- SEEDING AND FERTILISING MACHINERY -									
Drills and cultivating drills (incl. sod seeders and combines) -									
Tyne (tractor-mounting and trailing type)	5,105	3,254	3,268	500	99	831	1,530	808	465
Disc (tractor-mounting and trailing type)	1,475	1,330	1,350	235	201	434	456	259	(a)
Fertiliser spreaders									
Direct drop (tractor-mounting and trailing type)	1,565	933	r501	111	164	170	131	r36	236
Other than direct drop (tractor-mounting and trailing type)	*	*	*	*	*	*	*	*	1,057

(a) Not available for publication. (b) See Explanatory note (iii), page 3.

TABLE 1. - RECEIPTS OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY - continued

AUSTRALIA

(Number)

Type of implement and machine	Year ended -			Quarter ended -					
	30 June 1965	30 June 1966	30 June 1967	30 June 1966	30 Sept. 1966	31 Dec. 1966	31 March 1967	30 June 1967	30 Sept. 1967
C - HARVESTING, HAYMAKING AND SILAGE MAKING MACHINERY -									
Pick-up balers	2,907	2,878	2,806	668	838	562	569	837	1,100
Headers (combine harvesters) -									
Self-propelled	2,259	1,227	1,108	246	368	228	208	304	1,414
Drawn	3,075	2,062	2,607	285	1,077	576	108	846	799
Corn (maize) header attachments	*	*	*	*	*	*	*	*	9
Pick-up front attachments									45
Forage harvesters	645	341	715	63	233	247	106	129	366
Agricultural mowers (4ft cut and over)									
Reciprocating knife	6,775	5,708	4,063	825	1,485	768	820	890	2,010
Rotary mowers, slashers, toppers	3,524	3,595	4,824	685	1,049	1,712	1,018	1,047	2,294
Flail mowers and toppers									(a)
Hay rakes (side delivery)									
reel type -									756
Tractor mounting type									540
Trailing type									708
Fingerwheel type									
Windrowers (with or without hay conditioners and crimpers) - self-propelled									62
Hay conditioners and crimpers	*	*	*	*	*	*	*	*	(a)
Pick-up bale loaders for baled hay									605
Bale elevators and stackers									360
Grain augers									2,958
Cane harvesters									(a)
Cotton harvesters (pickers and strippers)									(a)
D - OTHER AGRICULTURAL MACHINERY -									
Post-hole diggers - auger type	3,284	3,475	2,207	506	559	369	561	718	935
Hammer mills - farm type	1,658	1,544	1,468	491	315	351	229	573	364

(a) Not available for publication.

TABLE 2. - DELIVERIES OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY : AUSTRALIA-continued

Type of implement and machine	(Number)									
	Year ended -			Quarter ended -						
	30 June 1965	30 June 1966	30 June 1967	30 June 1966	30 Sept. 1966	31 Dec. 1966	31 March 1967	30 June 1967	30 Sept. 1967	
- TILLAGE IMPLEMENTS -										
Disc ploughs (incl. disc cultivating ploughs and disc tillers)										
Tractor mounting type	2,419	1,653	1,484	378	381	323	430	350	347	
Trailing type	4,528	2,639	r3,949	566	r361	r1,293	r1,490	r805	776	
Agricultural rippers (sub-soilers)	*	*	*	*	*	*	*	*	*	565
Chisel ploughs										
Tractor-mounting type	1,041	845	967	217	247	235	221	264	278	
Trailing type	257	100	156	(a)	35	47	30	44	(a)	
Mouldboard ploughs	1,166	843	827	169	249	204	180	194	392	
Tyne harrows (no. of leaves or sections)	64,114	48,235	63,322	16,217	5,911	6,965	26,823	23,623	6,400	
Disc harrows (incl. offset and other than offset)										
Tractor-mounting type										512
Trailing type	*	*	*	*	*	*	*	*	*	389
Other harrows (other than tyne or disc)										697
Tyne cultivators and scarifiers										
Tractor-mounting type (incl. mid-mounted)	8,103	r4,394	r4,518	r801	r1,236	r1,281	r1,139	r862	1,138	
Trailing type	4,312	2,806	3,542	757	455	951	1,402	734	371	
Rotary cultivators										
Self-contained power unit type (3 brake horse-power and over)	5,509	4,896	4,181	1,040	1,277	1,209	886	809	1,429	
Tractor-mounting and trailing type										
- SEEDING AND FERTILISING MACHINERY -										
Drills and cultivating drills (incl. seeders and combines)										
Tyne-(tractor-mounting and trailing type)	4,561	3,060	3,944	771	289	671	1,926	1,058	270	
Disc-(tractor-mounting and trailing type)	1,320	1,358	1,397	367	145	360	526	366	216	
Fertiliser spreaders - Direct drop- (tractor mounting and trailing type)	1,462	898	602	154	260	196	47	99	229	
Other than direct drop-(tractor-mounting and trailing type)	*	*	*	*	*	*	*	*	*	1,209

(a) Not available for publication.

TABLE 2. - DELIVERIES OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY : AUSTRALIA
(Number)

Type of implement and machine	Year ended -			Quarter ended -					
	30 June 1965	30 June 1966	30 June 1967	30 June 1966	30 Sept. 1966	31 Dec. 1966	31 March 1967	30 June 1967	30 Sept. 1967
C - HARVESTING, HAYMAKING AND SILAGE MAKING MACHINERY -									
Pick-up balers	2,488	2,852	2,907	600	858	814	559	676	934
Headers (combine harvesters) -									
Self-propelled	1,574	1,203	1,873	236	424	979	168	302	1,045
Drawn	3,136	1,992	2,552	310	912	872	113	655	748
Corn (maize) header attachments	*	*	*	*	*	*	*	*	9
Pick-up front attachments									(a)
Forage harvesters	476	577	745	117	271	280	98	93	232
Agricultural mowers (4 ft cut and over)									
Reciprocating knife	5,738	5,132	4,854	568	1,242	2,224	682	1,706	1,689
Rotary mowers, slashers, toppers	3,333	3,322	4,855	688	988	1,798	1,185	1,884	1,491
Flail mowers and toppers									(a)
Hay rakes (side delivery) -									
Reel type -									
Tractor-mounting type									588
Trailing type									356
Fingerwheel type									192
Windrowers (with or without hay conditioners and crimpers) - self-propelled	*	*	*	*	*	*	*	*	(a)
Hay conditioners and crimpers									166
Pick-up bale loaders for baled hay									413
Bale elevators and stackers									260
Grain augers									2,325
Cane harvesters									(a)
Cotton harvesters (pickers and strippers)									(a)
D - OTHER AGRICULTURAL MACHINERY -									
Post-hole diggers -									
auger type	3,164	2,865	2,773	777	699	536	704	834	848
Hammer mills- farm type	1,799	1,537	1,435	446	361	252	303	1,519	409

(a) Not available for publication.

TABLE 1. - STOCKS OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY : AUSTRALIA
(Number)

Type of implement and machine	Year ended -			Quarter ended -					
	30 June	30 June	30 June	30 June	30 Sept.	31 Dec.	31 March	30 June	30 Sept.
	1965	1966	1967	1966	1966	1966	1967	1967	1967
- TILLAGE IMPLEMENTS -									
Disc ploughs (incl. disc cultivating ploughs and disc tillers)									
Tractor-mounting type	1,582	1,575	1,210	1,575	2,002	1,902	1,401	1,210	889
Trailing type	1,508	1,684	1,306	1,684	1,797	1,762	1,166	1,306	1,491
Agricultural rippers (sub-soilers)	*	*	*	*	*	*	*	*	378
Chisel ploughs									
Tractor-mounting type	485	291	232	291	269	209	269	232	237
Trailing type	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Mouldboard ploughs	769	841	1,651	841	660	633	666	1,651	552
Tyne harrows (no. of leaves or sections)	15,098	22,333	6,157	22,333	20,945	21,127	10,247	6,157	5,758
Disc harrows (incl. offset and other than offset)									
Tractor-mounting type									1,463
Trailing type	*	*	*	*	*	*	*	*	877
Other harrows (other than tyne or disc)									(a)
Tyne cultivators and scarifiers									
Tractor-mounting-type (incl. mid-mounted)	1,436	1,512	1,577	1,512	1,653	1,946	1,469	1,577	3,620
Trailing type	1,294	1,445	1,147	1,445	1,468	1,470	944	1,147	1,500
Rotary cultivators									
Self-contained power unit type (3 brake horse-power and over)	1,521	2,187	1,614	2,187	1,905	2,118	1,899	1,614	1,633
Tractor-mounting and trailing type									
- SEEDING AND FERTILISING MACHINERY -									
Drills and cultivating drills (incl. sod seeders and combines)									
Tyne (tractor-mounting and trailing type)	803	997	321	997	807	967	571	321	516
Disc (tractor-mounting and trailing type)	229	201	154	201	257	331	261	154	(a)
Fertiliser spreaders									
Direct drop (tractor-mounting and trailing type)	178	213	112	213	117	91	175	112	119
Other than direct drop (tractor-mounting and trailing type)	*	*	*	*	*	*	*	*	1,289

(a) Not available for publication.

TABLE 3. - STOCKS OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY : AUSTRALIA - continued

(Number)

Type of implement and machinery	Year ended -			Quarter ended -					
	30 June 1965	30 June 1966	30 June 1967	30 June 1966	30 Sept. 1966	31 Dec. 1966	31 March 1967	30 June 1967	30 Sept. 1967
C - HARVESTING, HAYMAKING AND SILAGE MAKING MACHINERY -									
Pick-up balers	788	814	713	814	794	542	552	713	879
Headers (combine harvesters)									
Self-propelled	1,141	1,165	400	1,165	1,109	358	398	400	769
Drawn	136	206	261	206	371	75	70	261	272
Corn (maize) header attachments	*	*	*	*	*	*	*		37
Pick-up front attachments									48
Forage harvesters	424	188	r161	188	150	117	125	r161	295
Agricultural mowers (4 ft cut and over)									
Reciprocating knife	2,361	2,935	r2,144	2,935	3,178	1,722	1,860	r2,144	2,495
Rotary mowers, slashers, toppers	299	572	541	572	633	547	r378	54	1,340
Flail mowers and toppers									(a)
Hay rakes (side delivery) -									
Reel type -									
Tractor-mounting type									524
Trailing type									430
Fingerwheel type									776
Windrowers (with or without hay condi- tioners and crimpers)	*	*	*	*	*	*	*	*	62
self-propelled									
Hay conditioners and crimpers									213
Pick-up bale loaders for baled hay									364
Bale elevators and stackers									296
Grain augurs									908
Cane harvesters									(a)
Cotton harvesters (pickers and strippers)									21
D - OTHER AGRICULTURAL MACHINERY -									
Post-hole diggers - auger type	341	951	385	951	811	644	501	385	472
Hammer mills - farm type	382	389	r422	389	343	442	368	r422	377

(a) Not available for publication.

TABLE 4. - DELIVERIES OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY : STATES
 QUARTER ENDED 30 SEPTEMBER 1967

(Number)

Type of implement and machine	N.S.W. and A.C.T.	Vic.	Qld	S.A. and N.T.	W.A.	Tas.	Aust.
- TILLAGE IMPLEMENTS -							
Disc ploughs (incl. disc cultivating ploughs and disc tillers) -							
Tractor-mounting type	59	118	127	11	9	23	347
Trailing type	319	96	235	34	59	33	776
Agricultural rippers (sub-soilers)	134	144	202	37	(a)	(a)	565
Chisel ploughs - Tractor-mounting type	127	35	92	15	(a)	(a)	278
- Trailing type	(a)	(a)	(a)	..	(a)	..	(a)
Mouldboard ploughs	83	154	56	(a)	(a)	39	392
Tyne harrows (no. of leaves or sections)	1,148	1,786	2,174	845	238	209	6,400
Disc harrows (incl. offset and other than offset)							
Tractor-mounting type	161	94	142	61	30	24	512
Trailing type	112	82	140	(a)	(a)	28	389
Other harrows (other than tyne or disc)	42	520	(a)	(a)	(a)	59	697
Tyne cultivators and scarifiers							
Tractor-mounting type (incl. mid-mounted)	292	222	516	(a)	(a)	44	1,138
Trailing type	146	100	60	(a)	(a)	..	371
Rotary cultivators -							
Self-contained power unit type	348	302	335	187	104	153	1,429
(3 brake-horse-power and over)							
Tractor-mounting and trailing type							
- SEEDING AND FERTILISING MACHINERY -							
Drills and cultivating drills							
(incl. sod seeders and combines) -							
Tyne (tractor-mounting and trailing type)	97	25	123	(a)	(a)	(a)	270
Disc (tractor-mounting and trailing type)	80	66	23	(a)	(a)	21	216
Fertiliser spreaders -							
Direct drop (tractor-mounting and trailing type)	(a)	(a)	207	(a)	(a)	..	229
Other than direct drop (tractor-mounting and trailing type)	290	335	226	94	192	92	1,209

(a) Not available for publication.