



EMBARGO: 6 P.M. 28 JUNE 1972

NEW AGRICULTURAL MACHINERY STATISTICS: QUARTERLY BULLETIN NO. 44
MARCH QUARTER 1972

Reference No. 12.1

366
608
267
168
(a)
216
080
688
477
(a)
091
862
430
476
(a)
61
368
157
(a)
381
385
208
12
14
47
670
1,093
13
16
140
112
53
(a)
11
4
42
1
33
7

Table

Page

CONTENTS

..	Explanatory notes and definition of items	..	..	2-3
	SUMMARY OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY: AUSTRALIA, 1969-70, 1970-71, and MARCH QUARTER 1971 TO MARCH QUARTER 1972			
1.	Receipts	..	..	4
2.	Deliveries	..	..	5
3.	Stocks	..	..	6
	SUMMARY OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY: STATES, MARCH QUARTER 1972			
4.	Deliveries	..	..	7
5.	Stocks	..	..	8

SYMBOLS USED IN THIS BULLETIN

n.a. - Not available

.. - Nil, or not applicable

r - Figure or series revised since previous issue

EXPLANATORY NOTES

(i) Introduction. The tables in this bulletin show statistics of receipt deliveries and stocks of certain types of imported and Australian-made new agricultural machinery.

(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 of 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. A minus figure indicates that exports exceeded Australian made and imported receipts.

(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) Comments on specific 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 includes semi-mounting type.

(d) 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.

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

(f) Tine harrows - Includes driven tines, diamond and stump jump harrows. Excludes drill and following harrows.

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

(h) Disc harrows - Excludes disc implements capable of being used for both ploughing and harrowing.

(i) Tine cultivators and scarifiers - Includes implements of the type which have wide pointed tines 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". Tractor-mounting type includes mid-mounted (row crop).

(j) Rotary cultivators - Includes self-contained power units (3 brake horse-power and over) and tractor-mounting and trailing types.

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

(l) Fertiliser spreaders - Includes tractor-mounting and trailing types but excludes truck-mounted spreaders.

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

(n) Agricultural mowers (rotary) - Excludes cylinder reel types.

(o) Windrowers (with or without hay conditioners and crimpers) - Excludes drawn windrowers.

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

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

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

RELATED PUBLICATIONS

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 sales of new tractors are issued quarterly in a separate bulletin.

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

AUSTRALIA

(Number)

Type of implement or machine (b)		Year ended -		Quarter ended -				
		June 1970	June 1971	March 1971	June 1971	Sept. 1971	Dec. 1971	March 1972
A-TILLAGE IMPLEMENTS -								
Disc ploughs - Tractor-mounting type	698	928	401	(c)-16	(c)-64	88		
- Trailing type	1,383	507	214	107	74	231		
Agricultural rippers (sub-soilers)	1,604	1,061	132	282	333	r195		
Chisel ploughs - Tractor-mounting type	597	469	86	114	46	90		
- Trailing type	(a)	(a)	(a)	(a)	13	(a)		
Mouldboard ploughs	611	503	80	120	133	40		
Tine harrows (No. of leaves or sections)	34,229	10,067	4,371	3,239	1,681	3,397	8,88	
Disc harrows - Tractor-mounting type	1,443	1,680	473	204	150	138		
- Trailing type	1,568	1,195	204	477	191	r390	36	
Other harrows	1,052	1,204	103	412	447	202	17	
Tine cultivators and scarifiers -								
Tractor-mounting type	2,601	2,015	540	490	528	378	43	
Trailing type	1,569	495	165	237	138	177	77	
Rotary cultivators	3,016	3,059	722	867	1,819	r907	81	
B-SEEDING AND FERTILISING MACHINERY -								
Drills and cultivating drills - Tine	2,172	391	51	189	131	r144	50	
- Disc	737	(a)	(a)	(a)	74	78	10	
Fertiliser spreaders -								
Direct drop	564	437	33	69	244	154	3	
Other than direct drop -								
Up to and including 30 cwt -								
Tractor mounting					389	r483	25	
Other types	2,508	2,119	581	572	(a)	r91	7	
Over 30 cwt -								
All types					54	r43	15	
C-HARVESTING, HAYMAKING AND SILAGE MAKING MACHINERY -								
Pick-up balers	1,908	794	31	131	379	r248	15	
Headers (combine harvesters) -								
Self-propelled	1,168	211	23	70	77	41	4	
Drawn	718	135	14	98	89	45	5	
Corn (maize) header attachments	45	(a)	(a)	(a)	(a)	(a)	(a)	
Pick-up front attachments	27	16	(a)	(a)	(a)	(a)	(a)	
Forage harvesters	465	251	71	30	48	55	3	
Agricultural mowers (4 ft cut and over) -								
Reciprocating knife	1,638	1,641	62	390	594	(c) -1	-	
Rotary mowers, slashers, toppers	4,411	4,393	1,129	1,111	855	r1,151	1,44	
Flail mowers and toppers	78	45	(a)	(a)	(a)	(a)	(a)	
Hay rakes (side delivery) -								
Reel type - Tractor-mounting type	825	r931	r115	r240	153	(a)	(a)	
- Trailing type	637	r197	(a)	(a)	(a)	(a)	(a)	
Fingerwheel type	493	302	(a)	(a)	(a)	79	(a)	
Windrowers - Self-propelled	(a)	35	(a)	(a)	(a)	(a)	(a)	
Hay conditioners and crimpers	295	(a)	(a)	(a)	(a)	(a)	(a)	
Pick-up bale loaders for baled hay	1,570	1,019	174	84	356	371	(a)	
Bale elevators and stackers	1,082	488	52	28	173	192	(a)	
Grain augers	4,685	1,538	536	264	489	r205	35	
Cane harvesters	297	249	(a)	149	(a)	(a)	(a)	
Cotton harvesters (pickers and strippers)	(a)	(a)	..	(a)	(a)	(a)	(a)	
D-OTHER AGRICULTURAL MACHINERY -								
Post-hole diggers (auger type)	2,016	1,203	227	450	328	86	7	
Hammer mills (farm type)	876	827	188	236	303	r211	21	
(a) Not available for publication								

(a) Not available for publication. (b) See Explanatory Notes, pages 2 and 3 for comments on specific items. (c) See Explanatory Note (iii), page 2.

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

AUSTRALIA

(Number)

Type of implement or machine (b)	Year ended -		Quarter ended -				
	June 1970	June 1971	March 1971	June 1971	Sept. 1971	Dec. 1971	March 1972
TILLAGE IMPLEMENTS							
Disc ploughs - Tractor-mounting type	938	834	197	274	283	165	133
- Trailing type	1,251	939	417	229	181	229	437
Agricultural rippers (sub-soilers)	1,431	1,091	195	275	397	243	196
Chisel ploughs-Tractor-mounting type	625	470	120	110	122	r99	130
-Trailing type	51	28	(a)	12	6	(a)	14
Mouldboard ploughs	694	650	120	177	188	r71	77
Tine harrows (No. of leaves or sections)	22,541	20,598	6,483	10,706	3,776	2,900	11,394
Disc harrows-Tractor-mounting type	1,690	1,189	261	299	299	r329	273
-Trailing type	1,807	1,487	414	447	308	r373	433
Other harrows	1,113	1,196	136	450	453	189	202
Tine cultivators and scarifiers -							
Tractor-mounting type	2,804	2,481	414	496	763	r610	450
Trailing type	1,250	1,196	554	448	205	r298	1,046
Rotary cultivators	3,578	3,435	875	813	1,442	1,037	908
SEEDING AND FERTILISING MACHINERY -							
Drills and cultivating drills - Tine	1,552	1,010	312	385	146	r235	571
- Disc	645	343	121	92	85	95	137
Fertiliser spreaders -							
Direct drop	600	490	36	87	277	120	30
Other than direct drop -							
Up to and including							
30 cwt - Tractor mounting					516	r451	416
- Other types	2,907	2,205	631	506	121	115	86
Over 30 cwt -							
- All types					103	r54	247
HARVESTING, HAYMAKING AND SILAGE MAKING MACHINERY -							
Pick-up balers	1,828	1,080	298	193	440	r275	279
Headers (combine harvesters) -							
Self-propelled	812	461	72	123	184	204	56
Drawn	675	382	24	118	124	191	34
Corn (maize) header attachments	48	34	(a)	(a)	(a)	(a)	(a)
Pick-up front attachments	(a)	28	(a)	(a)	(a)	(a)	(a)
Forage harvesters	490	316	87	56	62	63	40
Agricultural mowers (4 ft cut and over) -							
Reciprocating knife	2,221	1,725	184	166	726	442	45
Rotary mowers, slashers, toppers	4,912	4,621	1,451	949	894	1,369	1,746
Flail mowers and toppers	142	41	(a)	(a)	(a)	(a)	(a)
Hay rakes (side delivery) -							
Reel type - Tractor-mounting type	877	r849	r148	r149	211	r224	96
- Trailing type	643	r428	r113	(a)	49	r129	27
Fingerwheel type	681	540	(a)	(a)	(a)	(a)	(a)
Windrowers - Self-propelled	(a)	59	(a)	(a)	(a)	(a)	(a)
Hay conditioners and crimpers	426	(a)	44	(a)	(a)	r54	(a)
Pick-up bale loaders for baled hay	1,448	1,155	177	121	385	r372	65
Bale elevators and stackers	922	797	205	59	146	237	36
Grain augers	5,459	1,585	296	363	r396	r637	319
Cane harvesters	315	218	(a)	(a)	16	(a)	(a)
Cotton harvesters (pickers and strippers)	(a)	13	..	(a)	..	(a)	..
OTHER AGRICULTURAL MACHINERY -							
Post-hole diggers (auger type)	1,924	1,180	307	283	308	r221	254
Hammer mills (farm type)	1,066	910	194	303	311	216	179

(b) Not available for publication. See Explanatory Notes on pages 2 and 3 for comments on specific items.

TABLE 3. - SUMMARY : STOCKS OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY : AUSTRALIA
(Number)

Type of implement or machine (b)	Year ended -		Quarter ended -				
	June 1970	June 1971	March 1971	June 1971	Sept. 1971	Dec. 1971	March 1972
A-TILLAGE IMPLEMENTS							
Disc ploughs - Tractor-mounting type	696	790	1,080	790	443	366	31
- Trailing type	1,145	713	835	713	606	608	41
Agricultural rippers (sub-soilers)	415	385	378	385	321	r273	31
Chisel ploughs-Tractor-mounting type	235	234	230	234	173	r169	14
- Trailing type	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Mouldboard ploughs	450	303	360	303	248	r217	15
Tine harrows (No. of leaves or sections)	20,299	9,768	17,235	9,768	7,673	8,083	5,57
Disc harrows - Tractor-mounting type	539	1,030	1,125	1,030	881	r690	1,21
- Trailing type	867	575	545	575	458	r475	35
Other harrows	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Tine cultivators and scarifiers -							
- Tractor-mounting type	2,023	1,557	1,563	1,557	1,322	r1,090	1,07
- Trailing type	1,754	1,053	1,264	1,053	986	r865	59
Rotary cultivators	1,611	1,235	1,181	1,235	1,612	r1,482	1,38
B-SEEDING AND FERTILISING MACHINERY -							
Drills and cultivating drills - Tine	1,201	582	778	582	567	476	41
- Disc	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Fertiliser spreaders -							
Direct drop	113	60	78	60	27	61	6
Other than direct drop -							
Up to and including							
30 cwt - Tractor mounting					338	r370	21
- Other types					166	r142	12
Over 30 cwt -							
- All types					(a)	(a)	(a)
C-HARVESTING, HAYMAKING AND SILAGE MAKING MACHINERY -							
Pick-up balers	760	474	536	474	413	r386	25
Headers (combine harvesters) -							
Self propelled	905	655	713	655	548	385	37
Drawn	636	389	409	389	354	208	22
Corn (maize) header attachments	47	12	16	12	13	12	1
Pick-up front attachments	35	13	19	13	20	r13	1
Forage harvesters	134	69	95	69	55	47	4
Agricultural mowers (4 ft cut and over) -							
Reciprocating knife	1,329	1,245	1,021	1,245	1,113	670	62
Rotary, mowers, slashers, toppers	1,601	1,373	1,211	1,373	1,334	1,116	81
Flail mowers and toppers	15	19	22	19	14	r7	7
Hay rakes (side delivery) -							
Reel type - Tractor-mounting type	395	r477	r386	r477	r424	r204	(a)
- Trailing type	357	r126	r149	r126	(a)	r72	(a)
Fingerwheel type	360	122	143	122	(a)	113	7
Windrowers - Self-propelled	88	64	53	64	57	53	5
Hay conditioners and crimpers	144	170	121	170	132	(a)	10
Pick-up bale loaders for baled hay	273	137	174	137	110	r139	(a)
Bale elevators and stackers	374	65	96	65	92	47	4
Grain augers	626	579	678	579	r672	r240	27
Cane harvesters	13	(a)	(a)	(a)	(a)	12	(a)
Cotton harvesters (pickers and strippers)	11	..	(a)	..	(a)	..	..
D-OTHER AGRICULTURAL MACHINERY -							
Post-hole diggers (auger type)	430	453	286	453	473	r338	16
Hammer mills (farm type)	179	96	163	96	88	r83	12

(a) Not available for publication. (b) See Explanatory Notes on pages 2 and 3 for comments on specific items.

7.
TABLE 4. - SUMMARY : DELIVERIES OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY
STATES, QUARTER ENDED 31 MARCH 1972

Type of implement or machine (b)	(Number)						
	N.S.W. and A.C.T.	Vic.	Qld	S.A. and N.T.	W.A.	Tas.	Aust.
TILLAGE IMPLEMENTS							
Disc ploughs - Tractor-mounting type	23	17	80	(a)	(a)	(a)	133
- Trailing type	191	64	66	40	69	7	437
Agricultural rippers (sub-soilers)	57	58	57	14	(a)	(a)	196
Chisel ploughs-Tractor-mounting type	70	17	27	(a)	(a)	(a)	130
-Trailing type	(a)	(a)	4	..	..	..	14
Mouldboard ploughs	29	17	9	(a)	(a)	(a)	77
Tine harrows (No. of leaves or sections)	4,579	1,890	1,169	2,292	1,331	133	11,394
Disc harrows - Tractor-mounting type	118	65	43	25	(a)	(a)	273
- Trailing type	129	157	123	(a)	(a)	(a)	433
Other harrows	(a)	133	(a)	..	20	..	202
Tine cultivators and scarifiers -							
- Tractor-mounting type	96	140	151	30	17	16	450
- Trailing type	274	333	147	179	(a)	(a)	1,046
Rotary cultivators	231	208	273	67	74	55	908
SEEDING AND FERTILISING MACHINERY -							
Drills and cultivating drills - Tine	125	134	(a)	80	118	(a)	571
- Disc	39	(a)	12	(a)	(a)	(a)	137
Fertiliser spreaders -							
Direct drop	(a)	(a)	(a)	..	..	..	30
Other than direct drop -							
Up to and including							
30 cwt - Tractor mounting	167	78	85	38	(a)	(a)	416
- Other types	14	(a)	(a)	24	17	(a)	86
Over 30 cwt -	(a)	(a)	..	..	106	..	247
- All types							
HARVESTING, HAYMAKING AND SILAGE MAKING MACHINERY -							
Pick-up balers	(a)	(a)	30	(a)	(a)	(a)	279
Headers (combine harvesters) -							
Self-propelled	21	16	11	(a)	(a)	(a)	56
Drawn	8	(a)	(a)	(a)	..	..	34
Corn (maize) header attachments	(a)	..	(a)	..	..	..	(a)
Pick-up front attachments	(a)	(a)	(a)	..	..	..	(a)
Forage harvesters	23	(a)	8	(a)	(a)	(a)	40
Agricultural mowers (4 ft cut and over) -							
Reciprocating knife	14	(a)	(a)	..	(a)	(a)	45
Rotary mowers, slashers, toppers	563	331	594	72	87	99	1,746
Flail mowers and toppers	(a)	..	..	..	(a)	..	(a)
Hay rakes (side delivery) -							
Reel type - Tractor-mounting type	42	24	19	(a)	(a)	(a)	96
- Trailing type	6	(a)	(a)	(a)	..	..	27
Fingerwheel type	(a)	..	(a)	(a)	..	..	(a)
Windrowers - Self-propelled	(a)	..	..	..	(a)	(a)	(a)
Hay conditioners and crimpers	(a)	..	..	..	(a)	(a)	(a)
Pick-up bale loaders for baled hay	26	28	(a)	(a)	(a)	..	65
Bale elevators and stackers	10	6	(a)	(a)	(a)	4	36
Grain augers	35	41	58	(a)	115	(a)	319
Cane harvesters	..	..	(a)	..	..	..	(a)
Cotton harvesters (pickers and strippers)	..	..	..	..	..	..	..
OTHER AGRICULTURAL MACHINERY -							
Post-hole diggers (auger type)	58	76	77	21	(a)	(a)	254
Hammer mills (farm type)	53	46	29	(a)	41	(a)	179

(a) Not available for publication. (b) See Explanatory Notes on pages 2 and 3 for comments on specific items.

TABLE 5. - SUMMARY : STOCKS OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY :
STATES QUARTER ENDED 31 MARCH 1972
(Number)

Type of implement or machine (b)	N.S.W. and A.C.T.	Vic.	Qld	S.A. and N.T.	W.A.	Tas.	Aus
A-TILLAGE IMPLEMENTS -							
Disc ploughs - Tractor-mounting type	(a)	180	71	(a)	6	(a)	3
- Trailing type	52	73	106	103	85	..	4
Agricultural rippers (sub-soilers)	28	(a)	67	(a)	27	(a)	3
Chisel ploughs - Tractor-mounting type	15	60	46	(a)	(a)	(a)	1
- Trailing type	(a)	..	..	..	..	..	(a)
Mouldboard ploughs	41	88	14	(a)	(a)	..	1
Tine harrows (No. of leaves or sections)	(a)	994	440	(a)	827	(a)	5,5
Disc harrows - Tractor-mounting type	44	929	134	(a)	52	(a)	1,2
- Trailing type	65	145	85	(a)	15	(a)	3
Other harrows	..	(a)	(a)	..	(a)	..	(a)
Tine cultivators and scarifiers -							
Tractor-mounting type	61	579	293	(a)	63	(a)	1,0
Trailing type	70	229	106	(a)	57	(a)	5
Rotary cultivators	(a)	364	109	58	29	(a)	1,3
B-SEEDING AND FERTILISING MACHINERY -							
Drills and cultivating drills - Tine	47	128	87	(a)	45	(a)	4
- Disc	(a)	21	(a)	(a)	(a)	..	(a)
Fertiliser spreaders -							
Direct drop	(a)	(a)	57	..	..	..	..
Other than direct drop -							
Up to and incl.							
30 cwt - Tractor mounting	77	59	26	33	(a)	(a)	2
- Other types	22	53	10	22	(a)	(a)	1
Over 30 cwt -	(a)	(a)	(a)	(a)	(a)	..	(a)
- All types							
C-HARVESTING, HAYMAKING AND SILAGE							
MAKING MACHINERY -							
Pick-up balers	51	146	40	3	18	..	2
Headers (combine harvesters) -							
Self-propelled	125	104	(a)	(a)	66	(a)	3
Drawn	7	(a)	(a)	(a)	(a)	..	2
Corn (maize) header attachments	(a)	..	(a)	..	..	..	1
Pick-up front attachments	(a)	..	(a)	..	..	..	(a)
Forage harvesters	26	14	4	..	..	..	1
Agricultural mowers (4 ft cut and over) -							
Reciprocating knife	(a)	518	(a)	..	36	..	6
Rotary mowers, slashers, toppers	213	242	190	(a)	110	(a)	8
Flail mowers and toppers	(a)	..	..	..	(a)	(a)	..
Hay rakes (side delivery) -							
Reel type - Tractor-mounting type	(a)	105	(a)	(a)	(a)	(a)	(a)
- Trailing type	(a)	30	(a)	(a)	(a)	..	(a)
Fingerwheel type	(a)	(a)	(a)	(a)	..	..	..
Windrowers - Self-propelled	(a)	(a)	(a)	(a)	(a)	..	..
Hay conditioners and crimpers	(a)	(a)	(a)	..	..	..	10
Pick-up bale loaders for baled hay	(a)	15	(a)	(a)	9	..	(a)
Bale elevators and stackers	(a)	7	..	(a)	(a)	..	..
Grain augers	56	66	88	(a)	(a)	(a)	2
Cane harvesters	..	..	(a)	..	..	..	(a)
Cotton harvesters (pickers and strippers)	..	..	..	..	..	..	..
D-OTHER AGRICULTURAL MACHINERY -							
Post-hole diggers (auger type)	48	38	33	(a)	19	(a)	1
Hammer mills (farm type)	16	44	30	32	..	..	1

For footnotes see previous page.

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, A.C.T. 2600

28 JUNE 1972

J.P. O'NEILL

COMMONWEALTH STATISTICIAN

NOTE. Inquiries concerning these statistics may be made in Canberra by telephoning 490211 extension 331 or, in each State capital, by telephoning the office of the Bureau of Census and Statistics.