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NEW AGRICULTURAL MACHINERY STATISTICS : QUARTERLY BULLETIN NO. 50
SEPTEMBER QUARTER 1973

Table	CONTENTS	Pages
..	Explanatory notes and definition of items	2-3
SUMMARY OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY: AUSTRALIA, 1971-72, 1972-73, AND SEPTEMBER QUARTER 1972 TO SEPTEMBER QUARTER 1973		
1.	Receipts	4
2.	Deliveries	5
3.	Stocks	6
SUMMARY OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY: STATES, SEPTEMBER QUARTER 1973		
4.	Deliveries	7
5.	Stocks	8

Symbols used in this Bulletin

n.b. - Not available
.. - Nil, or not applicable



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.

(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 tillers (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".
- (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 type.
- (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 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 1972	June 1973	Sept. 1972	Dec. 1972	March 1973	June 1973	Sept. 1973
A — TILLAGE IMPLEMENTS —							
Disc ploughs —							
Tractor-mounting type	265	855	250	276	121	208	241
Trailing type	729	1,479	153	284	546	496	339
Agricultural rippers (sub-soilers)	956	1,425	425	218	453	329	461
Chisel ploughs —							
Tractor-mounting type	364	664	144	156	175	189	233
Trailing type	35	108	7	(a)	17	(a)	(a)
Mouldboard ploughs	264	461	187	61	42	171	147
Time harrows (No. of leaves or sections)	22,876	35,773	3,512	4,720	9,505	17,636	2,744
Disc harrows —							
Tractor-mounting type	1,217	958	157	122	211	468	231
Trailing type	1,163	1,905	241	272	563	829	449
Other harrows	1,263	1,709	744	209	352	406	740
Time cultivators and scarifiers —							
Tractor-mounting type	1,983	2,141	612	538	475	516	454
Trailing type							
up to and incl. 20 ft cutting width	870	1,793	134	234	860	565	235
over 20 ft cutting width	711	1,634	222	213	446	753	299
Rotary cultivators	4,487	3,946	1,178	915	778	1,075	1,733
B — SEEDING AND FERTILISING MACHINERY —							
Drills and cultivating drills —							
Time	1,081	2,206	143	382	896	785	515
Disc	339	636	107	132	220	177	201
Fertiliser spreaders —							
Direct drop	558	712	284	251	70	107	187
Other than direct drop —							
Up to and including 30 cwt —							
Tractor-mounting	1,419	2,201	643	485	568	505	424
Other types	314	394	61	6	124	203	156
Over 30 cwt — All types	502	755	104	103	315	233	279
C — HARVESTING, HAYMAKING AND SILAGE MAKING MACHINERY —							
Pick-up balers	858	1,224	547	300	229	148	1,042
Headers (combine harvesters) —							
Self-propelled	198	468	192	175	36	65	329
Drawn	323	444	189	124	27	104	406
Corn (maize) header attachments	14	(a)	(a)	(a)	(a)	(a)	(a)
Pick-up front attachments	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Forage harvesters	160	158	41	70	26	21	51
Agricultural mowers (4 ft cut and over) —							
Reaping knife	660	1,461	573	638	97	153	652
Rotary mowers, slashers, toppers	4,825	6,351	1,680	1,545	1,260	1,866	1,749
Flail mowers and toppers	(a)	14	(a)	(a)	(a)	(a)	(a)
Hay rakes (side delivery) —							
Reel type	312	809	178	341	62	228	175
Tractor-mounting type	201	(a)	84	(a)	(a)	(a)	(a)
Trailing type	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Fingerwheel — Self-propelled	11	(a)	(a)	(a)	(a)	(a)	(a)
Windrowers — Self-propelled	93	(a)	(a)	(a)	(a)	(a)	(a)
Hay conditioners and crimpers	882	1,162	382	(a)	(a)	(a)	(a)
Pick-up bale loaders for baled hay	570	674	223	160	183	(a)	468
Bale elevators and stackers	1,793	2,115	711	637	128	164	182
Grain augers	(a)	(a)	(a)	(a)	274	493	888
Cane harvesters	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Cotton harvesters (pickers and strippers)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
D — OTHER AGRICULTURAL MACHINERY —							
Post-hole diggers (auger type)	874	1,766	275	416	449	626	535
Hammer mills (farm type)	984	624	229	129	118	148	85

(a) Not available for publication. (b) See explanatory notes, pages 2 and 3 for comments on specific items.

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

Type of implement or machine (b)	Year ended		Quarter ended				
	June 1972	June 1973	Sept. 1972	Dec. 1972	March 1973	June 1973	Sept. 1973
A - TILLAGE IMPLEMENTS -							
Disc ploughs -							
Tractor-mounting type	809	849	199	195	186	269	259
Trailing type	1,058	1,741	195	356	644	546	307
Agricultural rippers (sub-soilers)	1,123	1,551	470	278	388	415	473
Chisel ploughs -							
Tractor-mounting type	453	712	148	167	207	190	199
Trailing type	37	83	7	22	24	30	(a)
Mouldboard ploughs	416	473	167	86	73	147	145
Tine harrows (No. of leaves or sections)	30,805	36,027	3,060	5,142	10,395	17,430	3,865
Disc harrows							
Tractor-mounting type	1,244	1,270	251	306	265	448	454
Trailing type	1,468	1,847	231	321	505	790	507
Other harrows	1,280	1,736	766	197	369	406	733
Tine cultivators, and scarifiers -							
Tractor-mounting type	2,374	2,455	650	609	471	725	606
Trailing type							
up to and incl. 20 ft cutting width	1,492	2,013	127	299	946	641	238
over 20 ft cutting width	731	1,598	47	346	527	678	244
Rotary cultivators	4,351	4,696	1,290	1,081	977	1,350	1,837
B - SLIDING AND FERTILISING MACHINERY -							
Dolls and cultivating drills -							
Tine	1,465	2,245	136	322	966	821	518
Disc	412	625	100	114	215	196	204
Fertiliser spreaders -							
Direct drop	577	659	270	210	73	106	259
Other than direct drop -							
Up to and including 30 cwt -							
Tractor-mounting type	1,747	2,076	584	361	584	247	527
Other types	407	486	56	45	174	211	143
Over 30 cwt - All types	575	816	130	160	305	221	279
C - HARVESTING, HAYMAKING AND SILAGE MAKING MACHINERY -							
Pick-up balers	1,088	1,339	588	397	237	117	931
Headers (combine harvesters) -							
Self-propelled	531	730	259	301	87	83	309
Drawn	538	575	242	181	40	112	422
Corn (maize) header attachments	14	(a)	(a)	(a)	(a)	(a)	(a)
Pick-up front attachments	36	21	(a)	(a)	(a)	(a)	(a)
Forage harvesters	188	183	45	57	46	35	54
Agricultural mowers (4 ft cut and over) -							
Reciprocating knife	1,247	1,804	689	801	143	171	592
Rotary mowers, slashers, toppers	5,190	6,313	1,160	1,750	1,727	1,676	1,731
Flail mowers and toppers	22	22	(a)	(a)	(a)	(a)	(a)
Hay rakes (side delivery) -							
Reel type							
Tractor-mounting type	645	889	182	376	89	242	202
Trailing type	292	318	94	103	(a)	(a)	(a)
Finger wheel type	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Windrowers - Self-propelled	25	53	(a)	25	(a)	(a)	7
Hay conditioners and crimpers	136	119	(a)	(a)	(a)	(a)	(a)
Pick-up bale loaders for baled hay	922	1,219	386	446	244	143	478
Bale elevators and stackers	541	730	192	223	140	176	187
Grain augers	2,069	2,209	520	700	434	555	877
Cane harvesters	216	(a)	(a)	(a)	(a)	(a)	(a)
Cotton harvesters (pickers and strippers)	(a)	(a)	..	(a)	(a)	(a)	..
D - OTHER AGRICULTURAL MACHINERY -							
Post-hole diggers (auger type)	1,180	1,850	319	396	455	680	532
Hammer mills (farm type)	970	595	225	115	113	142	112

(a) Not available for publication. (b) 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 1972	June 1973	Sept. 1972	Dec. 1972	March 1973	June 1973	Sept. 1973
A - TILLAGE IMPLEMENTS -							
Disc ploughs -							
Tractor-mounting type	246	252	297	378	313	252	234
Trailing type	384	122	342	270	172	122	154
Agricultural rippers (sub-soilers)	218	92	173	113	178	92	80
Chisel ploughs -							
Tractor-mounting type	145	97	141	130	98	97	131
Trailing type	..	(a)	..	(a)	(a)	(a)	(a)
Mouldboard ploughs	151	139	171	146	115	139	141
Tine harrows (No. of leaves or sections)	1,839	1,585	2,291	1,869	1,379	1,585	464
Disc harrows -							
Tractor-mounting type	1,003	691	909	725	671	691	468
Trailing type	270	328	280	231	289	328	270
Other harrows	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Tine cultivators and scarifiers -							
Tractor-mounting type	1,166	852	1,128	1,057	1,061	852	700
Trailing type							
up to and incl. 20 ft cutting width	347	127	354	289	203	127	124
over 20 ft cutting width	64	100	239	106	25	100	155
Rotary cultivators	1,371	621	1,259	1,095	894	619	515
B - SEEDING AND FERTILISING MACHINERY -							
Drills and cultivating drills -							
Tine	198	159	205	265	195	159	156
Disc	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Fertiliser spreaders -							
Direct drop	41	94	55	96	93	94	22
Other than direct drop -							
Up to and including 30 cwt -							
Tractor-mounting type	137	262	196	320	304	262	159
Other types	102	10	107	68	18	10	23
Over 30 cwt - All types	(a)	(a)	(a)	(a)	(a)	(a)	(a)
C - HARVESTING, HAYMAKING AND SILAGE MAKING MACHINERY -							
Pick-up balers	244	129	203	106	98	129	240
Headers (combine harvesters) -							
Self-propelled	322	60	255	129	78	60	80
Drawn	174	43	121	64	51	43	27
Corn (maize) header attachments	(a)	11	(a)	(a)	(a)	11	(a)
Pick-up front attachments	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Forage harvesters	41	16	37	50	30	16	13
Agricultural mowers (4 ft cut and over) -							
Reciprocating knife	658	315	542	379	333	315	375
Rotary mowers, dashers, toppers	1,008	1,046	1,528	1,323	856	1,046	1,064
Flail mowers and toppers	13	5	13	11	8	5	(a)
Hay rakes (side delivery) -							
Reel type -							
Tractor-mounting type	144	64	140	105	78	64	37
Trailing type	35	(a)	25	(a)	(a)	(a)	(a)
Fingerwheel type	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Windrowers - Self-propelled	50	7	34	(a)	(a)	(a)	(a)
Hay conditioners and crimpers	127	(a)	(a)	44	9	7	(a)
Pick-up bale loaders for baled hay	(a)	39	(a)	116	(a)	(a)	(a)
Bale elevators and stackers	94	38	125	62	55	(a)	(a)
Grain augers	303	209	494	431	50	38	33
Cane harvesters	(a)	(a)	(a)	(a)	271	209	220
Cotton harvesters (pickers and strippers)	..	(a)	..	(a)	(a)	(a)	(a)
D - OTHER AGRICULTURAL MACHINERY -							
Post-hole diggers (auger type)	147	63	103	123	117	63	66
Hammer mills (farm type)	112	141	116	130	135	141	114

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

TABLE 4. - SUMMARY : DELIVERIES OF CERTAIN TYPES OF NEW AGRICULTURAL MACHINERY
STATES, QUARTER ENDED 30 SEPTEMBER 1973
(Number)

Type of implement or machine (b)	N.S.W. and A.C.T.	Vic.	Qld	S.A. and N.T.	W.A.	Tas.	Aust.
A - TILLAGE IMPLEMENTS -							
Disc ploughs -							
Tractor-mounting type	34	26	169	(a)	(a)	(a)	259
Trailing type	119	61	66	(a)	24	(a)	307
Agricultural rippers (sub soilers)	129	80	171	51	36	6	473
Chisel ploughs							
Tractor-mounting type	94	14	79	(a)	(a)	(a)	199
Trailing type	(a)	(a)	(a)	..	..	..	(a)
Mouldboard ploughs	41	51	16	(a)	(a)	..	145
Tine harrows (No. of leaves or sections)	1,228	810	597	1,039	49	142	3,865
Disc harrows							
Tractor-mounting type	173	90	83	58	33	17	454
Trailing type	156	114	175	16	16	30	507
Other harrows	195	334	(a)	(a)	21	105	733
Tine cultivators, and scarifiers -							
Tractor-mounting type	98	101	336	39	16	16	606
Trailing type							
up to and incl. 20 ft cutting width	48	51	69	43	(a)	(a)	238
over 20 ft cutting width	59	47	25	72	41	..	244
Rotary cultivators	557	529	415	195	82	59	1,837
B - SEEDING AND FERTILISING MACHINERY -							
Drills and cultivating drills -							
Tine	63	58	275	(a)	78	(a)	518
Disc	91	(a)	10	(a)	(a)	(a)	204
Fertiliser spreaders -							
Direct drop	(a)	(a)	239	(a)	(a)	..	259
Other than direct drop -							
Up to and including 30 cwt -							
Tractor-mounting type	249	74	(a)	(a)	(a)	33	527
Other types	(a)	(a)	(a)	(a)	(a)	(a)	143
Over 30 cwt - All types	(a)	(a)	7	(a)	59	..	279
C - HARVESTING, HAYMAKING AND SILAGE MAKING MACHINERY -							
Pick-up balers	277	230	(a)	159	188	(a)	931
Headers (combined harvesters) -							
Self-propelled	82	56	(a)	(a)	92	(a)	309
Drawn	98	97	..	(a)	168	(a)	422
Com (Maize) header attachments	(a)	..	(a)	..	..	..	(a)
Pick-up front attachments	(a)	(a)	..	..	..	..	(a)
Forage harvesters	19	(a)	(a)	(a)	(a)	(a)	54
Agricultural mowers (4 ft cut and over) -							
Reciprocating knife	88	197	14	109	121	63	592
Rotary mowers, slashers, toppers	483	521	348	201	132	46	1,731
Flail mowers and toppers	..	(a)	..	(a)	(a)	..	(a)
Hay rakes (side delivery) -							
Reel type -							
Tractor-mounting type	25	94	(a)	40	(a)	..	202
Trailing type	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Fingerwheel type	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Windrowers - Self-propelled	(a)	(a)	..	(a)	..	(a)	7
Hay conditioners and crimpers	(a)	(a)	(a)	(a)	(a)	..	(a)
Pick-up bale loaders for baled hay	85	121	23	111	138	..	478
Bale elevators and stackers	49	57	(a)	(a)	53	(a)	187
Grain augers	151	186	102	(a)	(a)	(a)	877
Cane harvesters	..	..	(a)	..	..	..	(a)
Cotton harvesters (pickers and strippers)	..	..	..	..	..	..	..
D - OTHER AGRICULTURAL MACHINERY -							
Post-hole diggers (auger type)	155	135	115	63	(a)	(a)	532
Hammer mills (farm type)	36	37	19	(a)	(a)	..	112

(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 30 SEPTEMBER 1973
(Number)

Type of implement or machine (b)	N.S.W. and A.C.T.	Vic.	Qld	S.A. and N.T.	W.A.	Tas.	Aust.
A— TILLAGE IMPLEMENTS —							
Disc ploughs —							
Tractor-mounting type	13	86	77	(a)	(a)	..	234
Trailing type	23	25	28	(a)	17	..	154
Agricultural rippers (sub-soilers)	(a)	39	19	(a)	(a)	..	80
Chisel ploughs —							
Tractor-mounting type	(a)	(a)	37	(a)	13	(a)	131
Trailing type	(a)	..	(a)	(a)	..	..	(a)
Mouldboard ploughs	(a)	73	21	5	5	(a)	141
Time harrows (No. of leaves or sections)	118	38	137	(a)	(a)	(a)	464
Disc harrows —							
Tractor-mounting type	29	273	55	(a)	49	(a)	468
Trailing type	59	112	35	(a)	(a)	(a)	270
Other harrows	..	(a)	(a)	..	(a)	..	(a)
Time cultivators, and scarifiers —							
Tractor-mounting type	24	362	232	48	(a)	(a)	700
Trailing type							
up to and incl. 20 ft cutting width	18	36	(a)	44	(a)	..	124
over 20 ft cutting width	(a)	(a)	(a)	(a)	..	..	155
Rotary cultivators	216	97	(a)	62	37	(a)	515
B— SEEDING AND FERTILISING MACHINERY —							
Drills and cultivating drills —							
Time	16	9	(a)	104	(a)	..	156
Disc	..	(a)	(a)	(a)	(a)	(a)	(a)
Fertiliser spreaders —							
Direct drop	..	(a)	(a)	..	..	..	22
Other than direct drop —							
Up to and including 30 cwt —							
Tractor-mounting type	39	39	(a)	(a)	..	..	159
Other types	9	(a)	(a)	(a)	..	..	23
Over 30 cwt — All types	(a)	(a)	..	..	(a)	..	(a)
C— HARVESTING, HAYMAKING AND SILAGE MAKING MACHINERY —							
Pick-up balers	100	102	16	(a)	(a)	..	240
Headers (combine harvesters) —							
Self-propelled	(a)	12	17	(a)	(a)	(a)	80
Drawn	(a)	(a)	(a)	(a)	(a)	..	27
Corn (maize) header attachments	(a)	..	(a)	..	..	..	(a)
Pick-up front attachments	(a)	..	..	..	..	..	(a)
Forage harvesters	(a)	(a)	..	..	..	..	(a)
Agricultural mowers (4 ft cut and over) —							
Reciprocating knife	(a)	253	42	(a)	(a)	..	375
Rotary mowers, slashers, toppers	345	426	160	(a)	52	(a)	1,064
Flail mowers and toppers	(a)	(a)	..	..	..	..	(a)
Hay rakes (side delivery) —							
Reel type —							
Tractor-mounting type	(a)	(a)	(a)	..	(a)	..	37
Trailing type	..	(a)	..	..	..	..	(a)
Fingerwheel type	(a)	(a)	(a)	(a)	..	..	(a)
Windrowers — Self-propelled	..	(a)	..	..	..	..	(a)
Hay conditioners and crimpers	(a)	(a)	..	..	..	..	(a)
Pick-up bale loaders for baled hay	(a)	13	..	(a)	..	..	(a)
Bale elevators and stackers	18	(a)	..	(a)	..	..	(a)
Grain augers	44	(a)	(a)	(a)	..	..	33
Cane harvesters	..	..	(a)	..	..	..	220
Cotton harvesters (pickers and strippers)	(a)	..	..	..	..	..	(a)
D— OTHER AGRICULTURAL MACHINERY —							
Post-hole diggers (auger type)	41	(a)	(a)	(a)	..	(a)	66
Hammer mills (farm type)	30	33	(a)	(a)	..	..	114

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

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NOTE. Inquiries concerning these statistics