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FARM IMPLEMENT AND EQUIPMENT SALES
IN CANADA
1947



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OTTAWA

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SALES OF FARM IMPLEMENTS AND EQUIPMENT IN CANADA, 1947

INTRODUCTION

Annual reports on the sales of farm implements and equipment in Canada, based on returns submitted by Canadian manufacturers and importers of foreign makes, have been compiled and published by the Bureau of Statistics since 1936. In 1945, the report was revised by adding to the number of separate classes of farm equipment for which sales figures were presented and by providing separate figures by class of equipment for the Prairie Provinces only.

For the purposes of this report, farm equipment is divided into 14 major purpose classifications. Each of these is further sub-divided, making a total of 170 individual classifications in all. In some instances, however, it has been necessary to combine closely related types or to assign certain types to the miscellaneous category within each major type in order to avoid disclosing operations of individual firms. In no instance are figures shown for fewer than three firms.

Some 300 manufacturers and importers reported sales for the year 1947. Each manufacturer was asked to report only sales of his own manufacture and sales of equipment which he imported. Sales of any machines or equipment purchased from other Canadian suppliers were to be excluded. Manufacturers' sales have been supplemented by sales of firms which imported machinery directly from other countries. Figures contained in this report relate to sales made to Canadian customers only; export sales have been excluded.

The present report covers the sales of new farm machinery, equipment and accessories, and shows separate figures for the sales of repair parts. Used machinery, binder twine and motor trucks were not included. Most of

Note: In some cases, the 1946 figures shown in this report differ from those published in the 1946 report. This is due to revisions made by individual firms in their recent reports and, in some cases, to the addition of firms which did not submit reports for the 1946 survey. Figures for years dating back to 1936 are contained in a special summary entitled "Farm Implement and Equipment Sales in Canada, 1936-1943". This report may be obtained from the Dominion Bureau of Statistics, Ottawa.

the statements on which this report was based relate to the calendar year 1947 or to the fiscal year ending October 31 or November 30, 1947. The value figures reported generally represent wholesale prices, but each respondent was asked to indicate the approximate mark-up required to bring the values to a retail basis. These data have been used in estimating the total cost to the farmer of new equipment purchased during the year under review.

GENERAL SUMMARY

Domestic sales of new farm implements and machinery, mainly at wholesale prices, amounted to \$120,649,687 in 1947, an increase of 48% over the revised estimate of \$81,698,185 for 1946. These figures do not include repair parts, for which separate figures are shown, nor sales of binder twine, motor trucks, or used equipment of any kind.

Supplementary figures giving the average mark-up as shown by the reporting firms indicated that the sales figure quoted above at wholesale prices should be increased by 21.5% to bring it to a retail value. The estimated amount spent by farmers on new farm implements and machinery, therefore, for the year 1947 was approximately \$146,589,000.

Sales of repair parts (at wholesale prices) in 1947 amounted to \$22,880,134, an increase of 10% over the \$20,827,005 reported for the year 1946. Applying an average mark-up of 31.3% to bring this figure to retail prices, it would appear that Canadian farmers spent approximately \$30,041,600 on repair parts in 1947.

REGIONAL DISTRIBUTION OF SALES OF NEW IMPLEMENTS AND EQUIPMENT

On a regional basis, the Prairie Provinces, accounting for 61.1% of all Canadian sales compared with 56.1% in 1946 and 60.6% in 1945, registered much larger increases over 1946 than the other provinces. Dollar value of sales in Manitoba was up 53% compared with 1946, in Saskatchewan, 62%, and in Alberta, 64%. An increase of 37% in sales was recorded for Ontario, of 26% for Quebec and British Columbia, and of 14% for the Maritime Provinces.

Of the total sales (at wholesale prices) of \$120,649,687, 27% was accounted for by Saskatchewan, 23% by Ontario, 21% by Alberta and 13% by Manitoba. Quebec sales were 9% of the total, while the Maritime Provinces and British Columbia were responsible for only 4% and 3% respectively.

REGIONAL DISTRIBUTION OF REPAIR PARTS SALES

Of the total sales of repair parts of \$22,880,134, 71.3% was made in the Prairie Provinces compared with 72.9% in 1946. Eighteen per cent of the Canadian sales of repair parts was made in Ontario, while the remaining 11% was accounted for by Quebec (6.5%), the Maritimes (2.4%), and British Columbia (1.8%).

Compared with 1946, the greatest increase in dollar sales of repair parts occurred in British Columbia and amounted to 32%. Repair parts sales were up 19% in Ontario and 14% in Manitoba, with increases in the other provinces ranging between 5% and 10%.

Table 1. - Regional Distribution of Farm Implement and Equipment Sales, 1946-1947
(Values chiefly at wholesale prices)

Region	1946 (1)		1947		Per cent increase 1947/1946
	Amount	% of Canada total	Amount	% of Canada total	
	\$		\$		
CANADA	81,698,185	100.0	120,649,687	100.0	+47.7
Maritime Provinces	3,768,645	4.6	4,312,883	3.6	+14.4
Quebec	8,867,989	10.9	11,174,016	9.3	+26.0
Ontario	20,268,580	24.8	27,804,205	23.0	+37.2
Manitoba	9,987,683	12.2	15,227,377	12.6	+52.5
Saskatchewan	20,308,054	24.9	32,846,966	27.2	+61.7
Alberta	15,698,660	19.2	25,760,033	21.3	+64.1
British Columbia	2,798,574	3.4	3,524,207	3.0	+25.9

(1) Revised.

Table 2. - Regional Distribution of Sales of Repair Parts, 1946-1947
(Values chiefly at wholesale prices)

Region	1946 (1)		1947		Per cent increase 1947/1946
	Amount	% of Canada total	Amount	% of Canada total	
	\$		\$		
CANADA	20,827,005	100.0	22,880,134	100.0	+ 9.9
Maritime Provinces	505,027	2.4	557,102	2.4	+10.3
Quebec	1,362,486	6.5	1,477,423	6.5	+ 8.4
Ontario	3,481,052	16.7	4,129,211	18.0	+18.6
Manitoba	2,999,607	14.4	3,413,834	14.9	+13.8
Saskatchewan	7,348,265	35.3	7,682,510	33.6	+ 4.5
Alberta	4,821,057	23.2	5,210,992	22.8	+ 8.1
British Columbia	309,511	1.5	409,062	1.8	+32.2

(1) Revised.

SALES BY TYPE OF EQUIPMENT IN CANADA

Of the total Canadian sales of \$120,649,687, \$41,522,956 or 34% were tractors and engines, while sales of harvesting machinery made up 19% of the total. The next important classification from the point of view of volume of sales was ploughs which accounted for 7% of all sales.

Increases ranging upward from 30% were recorded for all but three of the major types of implement classifications. A drop of 17% from 1946 was recorded in sales of dairy machinery and equipment, while sales of poultry farm equipment were 5% below 1946. On the other hand, sales of farm wagons, trucks and sleighs more than doubled between the two years, while an increase of 66% was recorded in sales of tractors and engines. The harvesting machinery group followed with a gain of 48%, with ploughs and haying machinery both 41% above 1946.

Table 3 presents sales of farm implements and equipment for each of the major groups for Canada and for the Prairie Provinces, showing the percentage changes and the proportions which sales in the Prairie Provinces form of the Dominion total. Table 4 presents detailed figures for each classification for Canada. Similar figures for the Prairie Provinces only are given in Table 5, but here it has been necessary to reduce the number of classifications for which figures are shown in view of the smaller number of firms reporting.

Planting, Seeding and Fertilizing Machinery

Sales of the planting, seeding and fertilizing machinery group as a whole increased 37% in value from \$3,645,721 in 1946 to \$5,003,950 in 1947. The most important individual class of implement in this group from point of view of volume of sales was grain drills of the plain type which showed a slight drop in number of units, from 5,737 in 1946 to 5,701 in 1947, and an increase of 23% in value. Sales of grain drills of the press type more than doubled in number between the two years. Sales of manure spreaders, the other important class of implement in this group, showed an increase of 23% in number of four wheel manure spreaders, and of 83% in number of units of the two wheel type. Horse or tractor drawn corn planters, potato planters, and beet and bean drills showed a drop in number of units from 1946.

Ploughs

Sales of ploughs were valued at \$7,808,187 in 1947, an increase of 41% over the \$5,536,666 reported for 1946. Horse drawn mouldboard ploughs (walking) decreased 25% in number, while substantial gains were reported in sales of all other types.

Tilling, cultivating and weeding machines.

Despite sizeable decreases in certain classes of tilling, cultivating and weeding machines, an increase of 35% was shown in 1947 sales over 1946. There were fewer horse drawn disc harrows, corn cultivators, tractor mounted field cultivators, scufflers and hand operated wheeled cultivators and weeders sold in 1947 than in 1946, but all other types of cultivating and weeding machines showed increased sales. Sales of weeders of various kinds were four times greater in 1947 than in 1946.

Haying Machinery

Side delivery rakes, tractor loaders and pick-up hay balers were largely responsible for the increase of 41% in dollar sales of the haying machinery group as a whole. These three types of machines more than doubled in number of units sold between the years 1946 and 1947. Tractor drawn and tractor mounted mowers and dump rakes also showed increased sales, but declines in number of units sold were reported for all other classifications in this group.

Harvesting Machinery

Marked gains were reported in numbers of combines, swathers or windrowers, corn pickers and forage crop and ensilage harvesters over 1946. In the grain binder and corn binder classes, there was a drop in number of ground drive type with large increases in power take-off binders. The number of units of potato diggers (traction) declined while the power take-off type increased.

Machines for Preparing Crops for Market or Use

From point of view of value, threshers were the most important individual type of machines in this category. Threshers (with feeder and blower) increased 42% in number of units, from 1,141 in 1946 to 1,614 in 1947. More than double the number of ensilage or forage crop blowers or elevators, ensilage cutters, feed cutters and hand corn shellers were sold in 1947 than in the previous year, while a major increase was also reported for fanning mills. However, there were declines in several classes, namely, grain grinders, rollers or crushers, pulpers, feed mixers, potato sorters and power-operated corn shellers.

Tractors and Engines

Increases in sales were common to all sizes of standard and row crop wheel tractors but were more pronounced in the larger sizes than in the smaller types. Garden tractor sales were 77% above the 1946 figure. Major increases were also reported in the number of stationary engines sold by farm implement firms.

Dairy Machinery and Equipment

Farm milk coolers was the only class in this group for which 1947 sales exceeded those for 1946. Sales of the two most important types of dairy equipment, milking machines and cream separators, dropped considerably from the 1946 level.

Other Types of Equipment

The only other major group to register a drop in sales between 1946 and 1947 was poultry farm equipment and here the decline was due to considerably fewer sales of incubators which offset fairly substantial increases in sales of brooders and other poultry farm equipment.

Other Types of Equipment (Cont'd.)

Value of farm wagons, trucks and sleighs sold by farm equipment firms in 1947 was more than double the value in 1946. The exceptional increase in rubber tired gears or trailers sold was entirely responsible for the large increase in the group as a whole, sales of both wagon gears and farm trucks being considerably lower than in 1946.

In the category domestic water systems and pumps, increases occurred in hand wheel pumps and domestic water systems except of the jet type where the number dropped by one third from 1946. Sales of windmills also declined by 14% from the previous year.

All classes of barn equipment registered increased sales except stock watering cups and bowls which dropped 14% in number of sales.

All items in the miscellaneous group showed smaller sales in 1947 than in 1946 except the non-specified items which more than doubled.

Attachments

Sales of attachments in 1947 amounted to \$6,459,330. This represents all attachments whether sold separately or as part of a new machine and is not comparable with the amount shown for 1946 as, in that year, some firms were not able to show their total sales of attachments separately from sales of machines. While it is not possible to give strictly comparable figures for 1946, it is estimated that 1947 sales of attachments were approximately 50% higher than in 1946.

SALES IN THE PRAIRIE PROVINCES

The gain in volume of sales between 1946 and 1947 for the Prairie Provinces considerably exceeded that for Canada as a whole. Sales in the Prairies were 61% above 1946, while for Canada, the increase amounted to 48%.

Of the total sales of harvesting machinery in Canada, 87% was accounted for by the Prairie Provinces, which were also responsible for 65% of all tractor sales and 76% of plough sales. Sales in all of these groups showed substantially larger increases over 1946 in the Prairie Provinces than in the rest of Canada.

The reader is referred to Table 5 for details regarding the number and value of sales of individual types of implements in the Prairie Provinces.

Table 3. - Summary of Sales of New Farm Machinery and Equipment by Types

	CANADA			PRAIRIE PROVINCES			
	1946 (1)	1947	% Increase 1947/1946	1946 (1)	1947	% Increase 1947/1946	1947 as % of Canada total
	\$	\$		\$	\$		
ALL TYPES, TOTAL	81,698,185	120,649,687	+47.7	45,994,397	73,834,376	+60.5	61.2
Planting, seeding and fertiliz- ing machinery	3,645,721	5,003,950	+37.3	1,633,666	2,571,277	+57.4	51.4
Ploughs	5,536,666	7,808,187	+41.0	3,805,919	5,910,138	+55.3	75.7
Tilling, cultivating and weeding machinery	4,647,663	6,266,411	+34.8	2,414,401	3,691,168	+52.9	58.9
Haying machinery	3,732,709	5,254,497	+40.8	1,080,857	2,111,881	+95.4	40.2
Harvesting machinery	15,210,560	22,527,502	+48.1	12,762,063	19,695,712	+54.3	87.4
Machines for preparing crops for market or use	3,781,995	5,151,067	+36.2	1,610,767	2,445,079	+51.8	47.5
Tractors and engines	24,982,372	41,522,956	+66.2	15,037,880	26,812,852	+78.1	64.6
Spraying and dusting equipment (orchard or garden)	747,767	988,761	+32.2	43,971	78,787	+79.2	8.0
Farm wagons, trucks and sleighs .	1,609,389	3,553,941	(a)	993,058	1,764,912	+77.7	49.7
Domestic water systems and pumps	3,909,645	5,216,300	+33.4	922,182	1,155,444	+25.3	22.2
Dairy machinery and equipment ...	5,977,214	4,959,397	-17.0	1,221,409	939,910	-23.0	19.0
Barn equipment	1,416,943	1,849,066	+30.5	325,100	350,159	+ 7.7	18.9
Poultry farm equipment	748,084	713,340	- 4.6	332,133	265,314	-20.1	37.2
Miscellaneous farm equipment	2,949,910	3,374,982	+14.4	1,613,342	1,490,392	- 7.6	44.2
Attachments for farm implements and equipment (2)	2,800,947	6,459,330	(2)	2,177,649	4,551,351	(2)	70.5

(1) Revised

(2) 1946 figures for attachments are incomplete due to lack of separate figures for this class in some instances. The actual percentage increase for firms which provided comparable figures for the two years was 51% for Canada and 40% for the Prairie Provinces.

Table 4. - Farm Implement and Equipment Sales in Canada, by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1946 (1)		1947			
	No. of Units	Value	Units		Value	
			No.	Per cent change	Amount	Per cent change
		\$			\$	
ALL TYPES, TOTAL	-	81,698,185	-	-	120,649,687	+47.7
PLANTING, SEEDING AND FERTILIZING MACHINERY, TOTAL	-	3,645,721	-	-	5,003,950	+37.3
Corn Planters -						
Horse or tractor drawn.	489	56,440	405	-17.2	54,221	- 3.9
Tractor mounted	91	14,428	212	(a)	34,051	(a)
Potato Planters	915	174,505	540	-41.0	113,511	-35.0
Transplanters	135	20,838	429	(a)	73,351	(a)
Beet and Bean Drills	168	26,588	138	-17.9	36,221	+36.2
Grain and Fertilizer Drills (combination)...	2,686	542,341	3,561	+32.6	709,206	+30.8
Grain Drills -						
Plain	5,737	1,584,364	5,701	- 0.6	1,948,736	+23.0
Press	386	115,168	865	(a)	341,713	(a)
Fertilizer and Lime Sowers - Horse or tractor drawn	511	60,980	620	+21.3	74,041	+21.4
Manure Spreaders - Horse or tractor drawn -						
Four wheel	4,368	788,509	5,352	+22.5	1,050,768	+33.3
Two wheel	1,278	186,538	2,342	+83.3	525,171	(a)
All Other Planting, Seeding and Fertilizing Machinery	-	74,822	-	-	42,960	-42.6
PLUGHS, TOTAL	39,450	5,536,666	44,682	+13.3	7,808,187	+41.0
Mouldboard Ploughs - Horse drawn -						
Walking ploughs-						
One furrow	11,201	261,986	8,430	-24.7	187,931	-28.3
Two furrow	1,575	94,419	1,179	-25.1	73,508	-22.1
Sulky ploughs-one furrow	61	4,033	67	+ 9.8	3,569	-11.5
Riding gang ploughs - two furrow	144	22,066	203	+41.0	30,158	+36.7
Mouldboard Ploughs - Tractor drawn -						
Two furrow	4,499	584,476	5,850	+30.0	768,348	+31.5
Three furrow	3,798	653,467	4,301	+13.2	713,625	+ 9.2
Four furrow or larger	657	143,327	1,394	(a)	319,734	(a)
Mouldboard Ploughs - Tractor mounted	6,699	610,102	7,443	+11.1	750,081	+22.9

(1) Revised.

Table 4. - Farm Implement and Equipment Sales in Canada, by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1946 (1)		1947			
	No. of units	Value	Units		Value	
			No.	Per cent change	Amount	Per cent change
		\$			\$	
PLOUGHES (cont'd)						
Disc Ploughs	22	3,090	369	(a)	63,024	(a)
One-way Discs	8,901	3,062,602	12,549	+41.0	4,761,211	+55.5
All Other Ploughs	1,893	97,098	2,897	+53.0	136,998	+41.1
TILLING, CULTIVATING AND WEEDING MACHINERY, TOTAL						
	-	4,647,663	-	-	6,266,411	+34.8
Harrows -						
Drag harrows (sections)	55,578	362,599	61,093	+ 9.9	405,997	+12.0
Spring tooth harrows (sections)	6,678	234,216	12,295	+84.1	320,379	+36.8
Disc harrows -						
Horse drawn	5,427	342,430	2,044	-62.3	125,388	-63.4
Tractor drawn -						
Single	2,889	402,076	3,470	+20.1	529,300	+31.6
Tandem	7,112	896,284	9,819	+38.1	1,344,667	+50.0
Land Rollers, Soil Pulverisers and Packers (including trailer packers)	5,164	191,389	7,362	+42.6	299,075	+56.3
Scufflers and Cultivators-						
Scufflers	12,827	184,813	10,720	-16.4	143,138	-22.5
Corn cultivators -						
Two horse	521	50,468	465	-10.7	46,403	- 8.1
Tractor mounted	2,439	271,580	3,135	+28.5	349,933	+28.9
Field cultivators -						
Horse drawn	831	74,535	924	+11.2	75,282	+ 1.0
Tractor drawn	5,437	919,123	8,279	+52.3	1,637,381	+78.1
Tractor mounted	2,203	228,222	1,541	-30.0	179,001	-21.6
Beet, bean and vegetable cultivators -						
Horse or tractor drawn						
drawn	1,304	79,759	2,137	+65.9	70,310	-11.8
Tractor mounted	103	12,391	256	(a)	15,878	+28.1
Rod Weeders	773	96,275	1,829	(a)	266,537	(a)
Wire and Blade Weeders ...	646	73,062	3,841	(a)	181,389	(a)
Hand Operated Wheeled Cultivators and Weeders						
Cultivators and Weeders	10,849	58,023	8,781	-19.1	41,246	-28.9
All Other Cultivating and Weeding Machinery .	-	170,418	-	-	235,107	+38.0

(1) Revised.

Table 4. - Farm Implement and Equipment Sales in Canada, by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1946 (1)		1947			
	No. of units	Value	Units		Value	
			No.	Per cent change	Amount	Per cent change
		\$			\$	
HAYING MACHINERY, TOTAL	-	3,732,709	-	-	5,254,497	+40.8
Mowers -						
Horse drawn	11,472	1,301,522	10,685	- 6.9	1,245,083	- 4.3
Tractor drawn	383	62,065	942	(a)	166,457	(a)
Tractor mounted	2,592	390,513	3,036	+17.1	435,834	+11.6
Hay Loaders	4,167	675,489	3,994	- 4.2	658,629	- 2.5
Dump Rakes	8,343	505,264	8,860	+ 6.2	551,265	+ 9.1
Side Delivery Rakes	1,230	194,633	3,053	(a)	498,385	(a)
Sweeps -						
Hay sweeps - horse	264	15,223	133	-49.6	6,715	-55.9
Hay or stook sweeps - tractor	895	102,500	850	- 5.0	129,129	+26.0
Tractor Loaders (with hay sweep or manure bucket) .	771	197,305	1,920	(a)	697,567	(a)
Hay Stackers (overshot) ..	229	30,571	201	-12.2	27,129	-11.3
Pick-Up Hay Balers	154	252,717	527	(a)	820,717	(a)
All Other Haying Machinery	-	4,907	-	-	17,587	(a)
HARVESTING MACHINERY, TOTAL	-	15,210,560	-	-	22,527,502	+48.1
Combine Reaper Threshers -						
Six feet and under -						
Power take-off	828	604,003	1,203	+45.3	892,924	+47.8
Engine driven	1,279	1,211,532	1,742	+36.2	1,810,420	+49.4
Over six feet -						
Power take-off	621	710,885)	2,652	+34.6	4,235,502	+48.6
Engine driven	1,350	2,139,003)				
Self-propelled	2,005	5,696,583	3,413	+70.2	9,517,389	+67.1
Swathers or Windrowers ...	2,749	1,214,257	4,855	+76.6	2,016,835	+66.1
Grain Binders -						
Ground drive	7,938	2,526,748	6,326	-20.3	2,059,931	-18.3
Power take-off	992	414,242	1,707	+72.1	737,830	+78.1
Corn Binders -						
Ground drive	513	134,377	481	- 6.2	145,830	+ 8.5
Power take-off	10	3,932	146	(a)	62,179	(a)
Corn Pickers -						
Pull type	144	98,748	260	+80.6	161,460	+63.5
Tractor mounted	39	21,791	343	(a)	210,805	(a)
Forage Crop and Ensilage Harvesters	119	70,487	276	(a)	191,898	(a)
Potato Diggers -						
Traction	1,025	155,107	849	-17.2	143,038	- 7.8
Power take-off	174	48,648	247	+42.0	79,836	+64.1

(1) Revised.

Table 4. - Farm Implement and Equipment Sales in Canada, by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1946 (1)		1947			
	No. of units	Value	Units		Value	
			No.	Per cent change	Amount	Per cent change
		\$			\$	
HARVESTING MACHINERY - (cont'd)						
Beet Lifters - Horse or tractor drawn	208	18,810	159	-23.6	13,286	-29.4
All Other Harvesting Machinery	-	141,407	-	-	246,339	+75.6
MACHINES FOR PREPARING CROPS FOR MARKET OR USE, TOTAL	-	3,781,995	-	-	5,151,067	+36.2
Threshers -						
With feeder and blower.	1,141	1,239,211	1,614	+41.5	1,966,095	+58.7
All other	366	62,393	165	-54.9	32,702	-47.6
Ensilage or Forage Crop						
Blowers or Elevators ..	83	12,968	229	(a)	41,853	(a)
Ensilage Cutters	346	146,753	919	(a)	346,601	(a)
Feed Cutters, Hand and						
Power	82	2,551	309	(a)	14,104	(a)
Corn Shellers -						
Hand	80	1,501	195	(a)	48,701	(a)
Power	55	8,573	45	-18.2	8,700	+ 1.5
Hay and Straw Balers (Stationary)	24	22,701	30	+25.0	32,551	+43.4
Grain Grinders -						
5" or less	1,160	206,152	1,062	- 8.4	174,987	-15.1
Over 6"	6,290	344,843	5,666	- 9.9	313,944	- 9.0
Rollers or Crushers and Pulpers	1,570	70,304	1,132	-27.9	68,930	- 2.0
Fanning Mills and Grain Cleaners	2,421	258,383	3,798	+56.9	311,021	+20.4
Hammermills	2,300	314,733	2,836	+23.3	459,970	+46.1
Feed Mixers	732	78,039	481	-34.3	57,400	-26.4
Potato Sorters and Graders	109	25,865	68	-37.6	15,127	-41.5
Maple Syrup Evaporators ..	812	131,498	1,058	+30.3	202,614	+54.1
Grain Loaders and Elevators	6,955	629,595	7,562	+ 8.7	822,765	+19.3
All Other Machines for Preparing Crops for Market or Use	-	165,932	-	-	233,002	+40.4

(1) Revised.

Table 4. - Farm Implement and Equipment Sales in Canada, by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1946 (1)		1947			
	No. of units	Value	Units		Value	
			No.	Per cent change	Amount	Per cent change
		\$			\$	
TRACTORS AND ENGINES, TOTAL	-	24,982,972	-	-	41,522,956	+66.2
Wheel Tractors -						
Standard -						
1 plough (approx. min. drawbar HP-9)	293	214,261	1,088	(a)	707,649	(a)
2 plough (approx. min. drawbar HP-12)	2,783	2,266,781	3,807	+36.8	3,742,753	+65.1
2-3 plough (approx. min. drawbar HP-16)	2,788	3,227,284	3,613	+29.6	4,371,993	+35.5
3-4 plough (approx. min. drawbar HP-20)	2,359	3,410,989	4,401	+86.6	6,554,846	+92.2
Larger	1,877	2,952,513	3,724	+98.4	6,647,958	(a)
General purpose (row crop) -						
1 plough (approx. min. drawbar HP-9)	1,533	1,054,734	1,733	+13.0	1,083,549	+ 2.7
2 plough (approx. min. drawbar HP-12)	7,421	5,964,067	9,248	+24.6	8,108,983	+36.0
2-3 plough (approx. min. drawbar HP-16)	1,057	1,148,251	2,817	(a)	3,196,119	(a)
3-4 plough and larger	1,626	1,993,127	2,531	+55.7	3,321,166	+66.6
Track Type Tractors (farm use)	308	643,513	301	- 2.3	729,477	+13.4
Garden Tractors	2,203	666,541	3,904	+77.2	923,538	+38.6
Stationary Engines and Power Units -						
Less than 5 H.P.	10,598	1,309,815	17,201	+62.5	1,763,090	+34.6
5 H.P. and larger	608	131,096	1,183	+94.6	371,833	(a)
SPRAYING AND DUSTING EQUIPMENT (ORCHARD OR GARDEN), TOTAL	-	747,767	-	-	988,761	+32.2
Sprayers and Dusters, Hand (including barrel and wheelbarrow)	72,771	197,648	85,922	+18.1	237,416	+20.1
Sprayers and Dusters, Traction	925	177,790	619	-33.1	127,061	-28.5
Sprayers, Power -						
1-6 gal. pump	141	49,719	184	+30.5	54,102	+ 8.8
7-15 gal. pump	283	110,666	474	+67.5	170,685	+54.2

(1) Revised.

Table 4. - Farm Implement and Equipment Sales in Canada, by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1946 (1)		1947			
	No. of units	Value \$	Units		Value	
			No.	Per cent change	Amount \$	Per cent change
SPRAYING AND DUSTING EQUIPMENT (ORCHARD OR GARDEN), TOTAL (cont'd)						
Sprayers, Power - (cont'd)						
Over 15 gal. pump.....	149	145,998	351	(a)	313,792	(a)
Dusters, Power	141	65,946	251	+78.0	85,705	+50.0
FARM WAGONS, TRUCKS AND SLEIGHS, TOTAL						
	-	1,609,389	-	-	3,553,941	(a)
Wagon Boxes	2,051	81,171	3,621	+76.5	135,776	+67.3
Wagon Gears (wooden wheel, standard)	2,600	235,058	1,812	-30.3	184,925	-27.5
Farm Trucks (low wheel, steel)	3,367	272,402	2,752	-18.5	271,910	- 0.2
Rubber Tired Gears or Trailers	3,495	610,045	13,395	(a)	2,357,563	(a)
All Other Farm Wagons, Sleighs and Trucks	-	390,707	-	-	603,767	+54.5
DOMESTIC WATER SYSTEMS AND PUMPS, TOTAL						
	-	3,909,645	-	-	5,216,300	+33.4
Hand Well Pumps (wood or metal)	24,397	511,055	25,143	+ 3.1	572,382	+12.0
Domestic Water Systems - Deep well (except jets). Shallow well (except jets)	1,891	256,256	5,579	+89.3	486,483	(a)
Jet type	21,238	1,292,262	29,590	+39.3	2,765,239	+46.1
Windmill Heads and Wheels	3,571	431,570	2,411	-32.5	300,665	-30.3
Windmill Towers	1,477	81,602	1,270	-14.0	86,583	+ 5.9
Pump Jacks	668	59,105	570	-14.7	48,930	+25.1
All Other Pumps	4,180	92,688	4,850	+16.0	127,530	+37.6
	58,252	625,127	81,006	+39.1	828,688	+32.6
DAIRY MACHINERY AND EQUIPMENT, TOTAL						
	-	5,977,214	-	-	4,959,397	-17.0
Milking Machines (complete equipment less pail units)	14,450	1,579,716	11,580	-19.9	1,269,627	-19.6
Milker Pail Units	22,735	1,607,251	18,920	-16.8	1,286,666	-19.9
Cream Separators -						
300 lbs. and under	6,552	191,664	5,229	-20.2	158,770	-17.2
Over 300 lbs	27,039	2,033,946	18,011	-33.4	1,454,707	-28.5

(1) Revised.

Table 4. - Farm Implement and Equipment Sales in Canada, by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1 9 4 6 (1)		1 9 4 7			
	No. of units	Value	Units		Value	
			No.	Per cent change	Amount	Per cent change
		\$			\$	
DAIRY MACHINERY AND EQUIPMENT (cont'd)						
Farm Milk Coolers	1,535	389,332	2,362	+53.9	610,329	+56.8
Butter Churns (farm use) ..	11,710	109,183	11,715	(x)	104,989	- 3.8
All Other Dairy Machinery and Equipment	-	66,122	-	-	74,309	+12.4
BARN EQUIPMENT, TOTAL ..	-	1,416,943	-	-	1,849,066	+30.5
Complete Feed Carriers	134	9,849	154	+14.9	11,887	+20.7
Complete Litter Carriers ..	2,506	195,555	3,923	+56.5	303,219	+55.1
Track for Feed and Litter Carriers (feet)	248,360	115,995	266,391	+ 7.3	149,921	+29.2
Hay Forks	2,287	13,493	2,963	+29.6	19,513	+44.6
Hay Fork Carriers	4,811	129,394	7,053	+46.6	189,290	+46.3
Track for Hay Carriers (feet)	180,360	66,924	221,409	+22.8	93,298	+39.4
Stable Stalls and Livestock Pens (units)	20,868	299,028	26,210	+25.6	389,855	+30.4
Cattle Stanchions	18,005	60,531	30,560	69.7	113,858	+88.1
Stock Watering Cups and Bowls	65,243	279,109	56,258	-13.8	286,162	+ 2.5
Stock Tank Heaters	4,320	44,175	4,546	+ 5.2	54,299	+22.9
Miscellaneous Barn Equipment	-	202,890	-	-	237,764	+17.2
POULTRY FARM EQUIPMENT, TOTAL	-	748,084	-	-	713,340	- 4.6
Incubators -						
150 egg to 2,000 egg capacity	760	19,157	352	-53.7	10,987	-48.6
Over 2,000 egg capacity	122	287,757	65	-46.7	126,233	-56.1
Brooders -						
Coal or wood	8,218	104,310	8,843	+ 7.6	132,283	+26.8
Oil	5,903	81,802	8,761	+48.4	139,443	+70.5
Electric and Battery	3,191	79,953	3,865	+21.1	99,549	+24.5
Egg Handling Equipment	-	10,053	-	-	7,618	-24.2
Miscellaneous Poultry Farm Equipment	-	163,052	-	-	197,227	+19.5
MISCELLANEOUS FARM EQUIPMENT, TOTAL	-	2,949,910	-	-	3,374,982	+14.4
Beekeepers' Supplies	-	407,867	-	-	375,201	- 8.0

(1) Revised.

(x) Less than .05 per cent.

Table 4. - Farm Implement and Equipment Sales in Canada, by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1946 (1)		1947			
	No: of units	Value	Units		Value	
			No.	Per cent change	Amount	Per cent change
MISCELLANEOUS FARM EQUIPMENT (cont'd)		\$			\$	
Electric Fence Controllers.	24,634	228,943	15,352	-37.7	129,658	-43.4
Wood Sawing Machines	3,281	163,549	3,375	+ 2.9	162,997	- 0.3
Windchargers -						
Six volt	386	16,494	536	-13.0	13,959	-15.4
Other	446	103,305	366	-17.9	87,463	-15.3
Electric Lighting Plants -						
32 volt	2,430	648,554	1,388	-42.9	397,285	-38.7
110 volt	2,562	784,676	1,498	-41.5	788,741	+ 0.5
Miscellaneous Equipment	-	596,522	-	-	1,419,678	(a)
ATTACHMENTS FOR FARM IMPLEMENTS AND EQUIPMENT, TOTAL (2)	-	2,800,947	-	-	6,459,330	(2)

(1) Revised.

(2) 1946 figures for attachments are incomplete due to lack of separate figures for this class in some instances. The actual percentage increase for firms which provided comparable figures for the two years was 51%.

Table 5. - Farm Implement and Equipment Sales in the Prairie Provinces only, by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1946 (1)		1947			
	No. of units	Value	Units		Value	
			No.	Per cent change	Amount	Per cent change
ALL TYPES, TOTAL	-	\$ 45,994,397	-	-	\$ 73,834,376	+60.5
PLANTING, SEEDING AND FERTILIZING MACHINERY, TOTAL	-	1,633,666	-	-	2,571,277	+57.4

(1) Revised.

Table 5. - Farm Implement and Equipment Sales in the Prairie Provinces only,
by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1946 (1)		1947			
	No. of units	Value	Units		Value	
			No.	Per cent change	Amount	Per cent change
PLANTING, SEEDING AND FERTILIZING MACHINERY, (Cont'd)		\$			\$	
Potato Planters	86	13,406	74	-14.0	14,472	+ 8.0
Grain Drills -						
Plain	4,521	1,391,360	5,461	+20.8	1,874,172	+34.7
Press	386	115,168	864	(a)	341,334	(a)
Manure Spreaders -						
Horse or tractor drawn -						
Four wheel	299	58,964	627	(a)	161,863	(a)
Two wheel	77	14,813	512	(a)	137,729	(a)
All Other Planting, Seeding and Fertilizing Machinery	-	39,955	-	-	41,707	+ 4.4
PLOUGHS, TOTAL	-	3,805,919	-	-	5,910,132	+55.3
Mouldboard Ploughs - Horse drawn -						
Walking ploughs	148	3,445	97	-34.5	6,340	+84.0
Sulky ploughs - one furrow	141	21,136	104	-26.2	15,772	-25.4
Riding gang ploughs - two furrow						
Mouldboard Ploughs - Tractor drawn -						
Two furrow	938	128,092	1,696	+80.8	235,562	+83.9
Three furrow	2,122	393,654	2,392	+12.7	421,324	+ 7.0
Four furrow or larger ..	597	138,064	1,314	(a)	311,185	(a)
Mouldboard Ploughs - Tractor mounted	1,696	158,303	2,788	+64.4	309,466	+95.5
One-way Discs	8,408	2,932,683	11,754	+39.8	4,563,664	+55.6
All Other Ploughs	231	30,542	353	+52.2	46,819	+53.3
TILLING, CULTIVATING AND WEEDING MACHINERY, TOTAL	-	2,414,401	-	-	3,691,168	+52.9
Harrows -						
Drag harrows (sections) ..	43,332	251,671	51,637	+19.1	333,667	+32.6
Spring tooth harrows (sections)	978	34,741	1,773	+81.3	62,331	+79.4
Disc harrows -						
Horse drawn	1,622	128,532	312	-80.8	24,824	-80.7
Tractor drawn -						
Single	2,101	360,909	2,930	+39.5	500,742	+32.7
Tandem	1,295	195,940	2,015	+55.6	340,972	+74.0

(1) Revised.

Table 5. - Farm Implement and Equipment Sales in the Prairie Provinces only,
by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1946 (1)		1947			
	No. of units	Value	Units		Value	
			No.	Per cent change	Amount	Per cent change
		\$			\$	
TILLING, CULTIVATING AND WEEDING MACHINERY, (Cont'd)						
Land Rollers, Soil Pulveris- ers and Soil Packers - (including trailer packers)	4,773	169,409	6,194	+29.8	219,789	+29.7
Scufflers and Cultivators - Scufflers	2,405	31,710	2,820	+17.3	37,653	+18.7
Corn cultivators -						
Two horse	81	8,537	36	-55.6	3,068	-64.1
Tractor mounted	237	25,356	128	-46.0	17,328	-31.7
Field cultivators -						
Horse drawn	224	26,764	123	-45.1	16,563	-38.1
Tractor drawn	4,113	757,126	6,911	+68.0	1,464,377	+93.4
Tractor mounted	1,219	119,725	803	-34.1	97,514	-18.6
Beet, bean and vegetable cultivators -						
Horse or tractor drawn	105	5,919	77	-26.7	5,791	- 2.2
Tractor mounted	82	9,782	93	+13.4	5,644	-42.3
Rod Weeders	763	94,559	1,822	(a)	265,774	(a)
Wire and Blade Weeders	444	62,157	905	(a)	133,608	(a)
Hand Operated Wheelled Cultivators and Weeders.	2,836	15,616	2,837	(x)	16,962	+ 8.6
All Other Cultivating and Weeding Machinery	-	115,948	-	-	144,555	+24.7
HAYING MACHINERY, TOTAL.	-	1,080,857	-	-	2,111,881	+95.4
Mowers -						
Horse drawn	2,492	297,330	3,089	+24.0	397,836	+33.8
Tractor drawn	290	46,413	406	+40.0	72,508	+56.2
Tractor mounted	1,070	163,461	1,557	+45.5	241,480	+47.7
Hay Loaders	484	117,868	490	+ 1.2	129,804	+10.1
Dump Rakes	1,767	113,084	2,464	+9.4	163,531	+44.6
Side Delivery Rakes	216	32,934	553	(a)	93,908	(a)
Sweeps -						
Hay sweeps - horse	252	14,578	133	-47.2	6,715	-53.9
Hay or stook sweeps - tractor	779	92,875	586	-24.8	107,231	+15.5
Tractor Loaders (with hay sweep or manure bucket).	318	101,432	1,390	(a)	575,821	(a)
Hay Stackers (overshot) ...	224	29,446	198	-11.6	26,632	- 9.6
Pick-Up Hay Balers	44	70,402	183	(a)	289,830	(a)
All Other Haying Machinery.	-	1,034	-	-	6,585	(a)

(x) Less than .05 per cent.

(1) Revised.

Table 5. - Farm Implement and Equipment Sales in the Prairie Provinces only,
by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1 9 4 6 (1)		1 9 4 7			
	No. of units	Value	Units		Value	
			No.	Per cent change	Amount	Per cent change
		\$			\$	
HARVESTING MACHINERY,						
TOTAL	-	12,762,063	-	-	19,695,712	+54.3
Combine Reaper Threshers -						
Six feet and under -						
Power take-off	389	297,559	596	+53.2	455,316	+53.0
Engine driven	1,068	1,035,563	1,456	+36.3	1,493,928	+44.3
Over six feet -						
Power take-off	616	700,518)				
Engine driven	1,324	2,094,361)	2,644	+36.3	4,221,420	+51.0
Self-propelled	1,882	5,369,508	3,233	+71.8	9,059,573	+68.7
Swathers or Windrowers ...	2,743	1,212,890	4,846	+76.7	2,015,634	+66.2
Grain Binders -						
Ground drive	4,461	1,512,535	4,115	- 7.8	1,406,988	- 7.0
Power take-off	867	362,584	1,540	+77.6	670,383	+84.9
Potato Diggers -						
Traction	111	19,595	101	- 9.0	18,417	- 6.0
Power take-off	18	5,620	54	(a)	17,785	(a)
Beet Lifters - Horse or tractor drawn	95	8,230	93	- 2.1	7,546	- 8.3
All Other Harvesting Machinery	-	143,100	-	-	328,722	(a)
MACHINES FOR PREPARING CROPS FOR MARKET OR USE,						
TOTAL	-	1,610,767	-	-	2,445,079	+51.8
Threshers	184	251,602	487	(a)	667,386	(a)
Ensilage Cutters	18	7,154	225	(a)	59,681	(a)
Grain Grinders -						
6" or less	17	2,935	11	-35.3	2,291	-21.9
Over 6"	4,477	236,865	4,572	+ 2.1	240,032	+ 1.3
Fanning Mills and Grain Cleaners	2,183	170,432	2,830	+29.6	210,183	+23.3
Hammermills	1,176	178,695	1,914	+62.8	294,716	+64.9
Feed Mixers	489	40,849	272	-44.4	35,953	-12.0
Grain Loaders and Elevators	6,574	664,920	7,176	+ 9.2	800,499	+20.4
All Other Machines for Preparing Crops for Market or Use	-	57,315	-	-	134,338	(a)

(1) Revised.

Table 5. - Farm Implement and Equipment Sales in the Prairie Provinces only,
by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1946 (1)		1947			
	No. of units	Value	Units		Value	
			No.	Per cent change	Amount	Per cent change
TRACTORS AND ENGINES, TOTAL	-	15,057,880	-	-	26,812,852	+78.1
Wheel Tractors -						
Standard -						
1 plough (approx.) min. drawbar HP-9.)	1,488	1,278,005	2,450	+64.7	2,488,472	+94.7
2 plough (approx.) min. drawbar HP-12)	1,802	2,102,819	2,559	+42.0	3,132,447	+49.0
2-3 plough (approx.) min. drawbar HP-16)	2,022	2,912,994	3,872	+91.5	5,738,169	+97.0
3-4 plough (approx.) min. drawbar HP-20)	1,847	2,906,993	3,590	+94.4	6,396,514	(a)
Larger						
General purpose (row crop) -						
1 plough (approx.) min. drawbar HP-9.)	3,287	2,588,018	3,472	+ 5.6	3,312,173	+28.0
2 plough (approx.) min. drawbar HP-12)	359	387,063	1,107	(a)	1,336,414	(a)
2-3 plough (approx.) min. drawbar HP-16)	1,237	1,506,942	1,846	+49.2	2,433,858	+61.5
3-4 plough (approx.) min. drawbar HP-20)						
and larger						
Track Type Tractors (farm use)	189	426,454	217	+14.8	554,270	+30.0
Garden Tractors	225	59,268	330	+46.7	73,739	+24.4
Stationary Engines and Power Units -						
Less than 5 H.P.....	7,162	848,555	11,480	+60.3	1,189,810	+40.2
5 H.P. and larger	183	40,769	428	(a)	156,986	(a)
SPRAYING AND DUSTING EQUIPMENT (ORCHARD OR GARDEN), TOTAL	-	43,971	-	-	78,787	+79.2
Sprayers and Dusters, Hand (including barrel and wheelbarrow)	16,583	20,589	14,481	-12.7	30,488	+48.1
Sprayers and Dusters, Traction	58	9,216	25	-56.9	3,315	-64.0
Sprayers, Power	45	14,166	109	(a)	40,769	(a)
Dusters, Power	-	-	20	(a)	4,215	(a)

(1) Revised.

Table 5. - Farm Implement and Equipment Sales in the Prairie Provinces only,
by Types, 1946-1947

(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1946 (1)		1947			
	No. of units	Value \$	Units		Value	
			No.	Per cent change	Amount \$	Per cent change
FARM WAGONS, TRUCKS AND SLEIGHS, TOTAL	-	993,058	-	-	1,764,912	+77.7
Wagon Boxes	1,766	71,010	2,634	+49.2	106,061	+49.4
Wagon Gears (wooden wheel, standard)	651	64,394	257	-60.5	29,210	-54.6
Farm Trucks (low wheel, steel)	2,209	167,941	1,466	-33.6	99,357	-40.8
Rubber Tired Gears or Trailers	1,990	354,272	5,611	(a)	990,637	(a)
All Other Farm wagons, Sleighs and Trucks	-	335,441	-	-	539,647	+60.9
DOMESTIC WATER SYSTEMS AND PUMPS, TOTAL	-	922,182	-	-	1,155,444	+25.3
Hand Well Pumps (wood or metal)	12,616	256,201	12,137	- 3.8	261,243	+ 2.0
Domestic Water Systems - Deep well (except jets). Shallow well (except jets)	454	52,653	482	+ 6.2	79,331	+50.7
Jet type	1,986	172,897	2,841	+43.1	252,696	+46.2
Windmill Heads and Wheels .	526	60,384	454	-17.5	58,128	- 3.7
Windmill Towers	973	52,223	629	-35.4	44,874	-14.1
Pump Jacks	637	38,291	506	-20.6	43,085	+12.5
All Other Pumps	2,282	51,758	2,969	+30.1	86,202	+66.6
DAIRY MACHINERY AND EQUIPMENT, TOTAL	-	1,221,409	-	-	939,910	-23.0
Milking Machines (complete equipment less pail units)	1,998	250,960	1,561	-21.9	219,517	-12.3
Milker Pail Units	2,598	162,236	1,701	-29.1	108,279	-33.5
Cream Separators - 300 lbs. and under	2,394	64,061	1,971	-17.7	59,611	- 6.9
Over 300 lbs	11,733	721,063	8,054	-31.4	528,710	-26.7
Farm Milk Coolers	48	3,094	63	+31.3	5,504	+77.9
All Other Dairy Machinery and Equipment	-	19,995	-	-	18,489	- 7.5

(1) Revised.

Table 5. - Farm Implement and Equipment Sales in the Prairie Provinces only,
by Types, 1946-1947
(Values chiefly at wholesale prices)

Note: Percentage increases exceeding 100 are marked (a)

Type	1946 (2)		1947			
	No. of units	Value	Units		Value	
			No.	Per cent change	Amount	Per cent change
BARN EQUIPMENT, TOTAL ..	-	325,100	-	-	350,159	+ 7.7
Hay Fork Carriers	300	8,976	266	-11.3	9,451	+ 5.3
Cattle Stanchions	1,240	7,534	2,467	+99.0	15,979	(a)
Stock Watering Cups and Bowls	3,158	39,795	3,440	+ 8.9	45,920	+15.4
Stock Tank Heaters	4,315	44,100	4,528	+ 4.9	53,976	+22.4
Miscellaneous Barn Equipment	-	224,695	-	-	224,833	+ 0.1
POULTRY FARM EQUIPMENT, TOTAL	-	332,133	-	-	265,314	-20.1
Brooders -						
Coal or wood	3,999	52,445	4,685	+17.2	65,798	+23.5
Oil	2,775	38,776	5,525	+99.1	86,958	(a)
Electric	233	4,276	235	+ 0.9	4,856	+13.6
Miscellaneous Poultry Farm Equipment	-	236,636	-	-	107,702	-54.5
MISCELLANEOUS FARM EQUIPMENT, TOTAL	-	1,613,342	-	-	1,490,392	- 7.6
Beekeepers' Supplies	-	197,704	-	-	175,763	-11.1
Electric Fence Controllers.	6,678	47,109	2,369	-64.5	15,412	-67.3
Wood Sawing Machines	1,132	39,423	1,214	+ 7.2	45,864	+16.3
Windchargers -						
Six volt	368	15,758	319	-13.3	13,314	-15.4
Other	429	39,574	362	-15.6	86,141	-13.5
Electric Lighting Plants -						
32 volt	1,901	497,850	1,237	-34.9	352,201	-29.3
110 volt	2,166	516,228	903	-58.3	447,474	-13.3
Miscellaneous Equipment ...	-	199,716	-	-	354,223	+77.4
ATTACHMENTS FOR FARM IMPLEMENTS AND EQUIPMENT, TOTAL (1)	-	2,177,649	-	-	4,551,351	(1)

(1) 1946 figures for attachments are incomplete due to lack of separate figures for this class in some instances. The actual percentage increase for firms which provided comparable figures for the two years was 40%.

(2) Revised.



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