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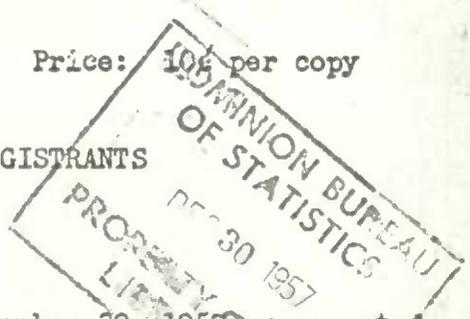


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SALES OF PEST CONTROL PRODUCTS BY CANADIAN REGISTRANTS 12 Months Ended September 30, 1957



Sales of pest control products in the period ending September 30, 1957 as reported by Canadian registrants were valued at \$19,624,783. A breakdown of this total by group shows sales of agricultural dusts and sprays at \$7,066,851; livestock treatments at \$1,316,934; herbicides at \$6,450,423; household and industrial insecticides at \$4,096,452 and rodenticides at \$344,123. Sales of products for which details are not available totalled \$350,000 - see footnote 3.

Several changes in concept affecting the method of reporting to this survey were introduced for the 1957 period. Under the circumstances set out in detail below data presented in this report for the period under review are not exactly comparable with those presented for earlier years. The first one involved a change in the reporting period; the second concerned P.C.P. registration of certain products which were discontinued; while the third concerned the cut-off point for small firms. These three changes are reviewed in the footnotes which follow.

1. In order to make the data presented in this report available at an earlier date than formerly possible when the reporting period was on a calendar-year basis the reporting period was changed to cover the twelve-month period ending September 30.
2. Details presented in this survey refer only to the sale of products registered with the Department of Agriculture as required under the terms of the Pest Control Products Act. From time to time the requirements in force affecting certain products are changed so that the registration of a product may be discontinued. For example, the registration of certain classes of disinfectants was discontinued in 1950. A similar situation obtained in 1956 when the registration of medicated feeds was discontinued. In each case, of course, the figure representing total sales was affected. It might be noted that sales of medicated feeds were reported at \$5,546,930 in 1956.
3. All registrants, totalling 530 firms in number were circularized in connection with this survey for the period under review, however, only those reports filed by firms which showed sales in excess of \$5,000 were actually used in developing the details presented in this report. In earlier years the cut-off was \$500. The former group (firms showing sales in excess of \$5,000) included 148 firms in all, and it is estimated that this group accounted for at least 95% of the total sales of pest control products in Canada. The total reported by the remaining group of firms (under \$5,000) is shown under the heading of "Products not specified in detail".

Prepared in the Metal and Chemical Products Section, Industry and Merchandising Division.

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Table 1 - Sales of Pest Control Products by Canadian Registrants

	Unit of measure	12 months ended September 30, 1957	
		Quantity	Value \$
(A) Agriculture			
<u>Adjuvants -</u>			
Soaps, blood albumen, casein, oil spreaders, stickers, etc. ....	...	-	11,038
<u>Crop and seed treatment - agricultural dusts & sprays</u>			
<u>Arsenicals -</u>			
Arsenate of lead	lb.	819,473	211,604
Calcium arsenate	lb.	365,898	25,321
2% arsenic dusts (without copper)	lb.	4,794,750	207,551
Paris green	lb.	35,589	11,902
<u>Fluorides -</u>			
Cryolite	lb.	15,000	1,500
Sodium fluosilicate .....	...	-	1,324
<u>Botanicals -</u>			
Rotenone dusts (containing not more than 1% rotenone)	lb.	533,863	131,728
Ryania dusts	lb.	147,610	36,105
Other botanicals	lb.	26,219	20,236
<u>Synthetic organics -</u>			
Aldrin - Dusts .....	...	-	157,922
- Emulsions and wettable powders ..	...	-	369,122
B.H.C. - 6% gamma and under	lb.	59,884	5,968
- Over 6% gamma (except B.H.C. as lindane)	lb.	3,294	1,093
B.H.C. (as lindane) - Emulsions	Imp. gal.	3,514	13,541
- Wettable powders ..	lb.	26,239	33,106
Chlordane - Dusts	lb.	152,406	28,439
- Emulsions	Imp. gal.	7,578	47,788
- Wettable powders	lb.	377	332
Dieldrin - Dusts	lb.	82,232	27,324
- Emulsions	Imp. gal.	6,282	47,627
- Wettable powders	lb.	11,513	12,043
Dinitro compounds (phenol and cresol)	lb.	92,976	30,342
DDT - Dusts	lb.	990,481	77,765
- 25% emulsifiable solutions	Imp. gal.	92,638	179,120
- 50% wettable powders	lb.	1,609,855	388,783
Malathion - Dusts	lb.	161,207	20,449
- Emulsions	Imp. gal.	12,511	170,154
- Wettable powders	lb.	360,566	173,475
Methoxychlor	lb.	122,813	60,905
Parathion - 15% wettable powder	lb.	144,613	70,750
- All other forms .....	...	-	23,841
T.E.P.P. and H.E.T.P. (all forms) .....	...	-	12,667
Toxaphene emulsions .....	...	-	46,285
Soil fumigants	lb.	22,191	18,805
Other synthetic organics .....	...	-	475,016
<u>Copper compounds (with and without an insecticide)</u>			
Copper sulphate	lb.	1,566,180	193,459
Copper-lime dusts	lb.	48,650	6,144
Filled copper spray materials	lb.	285,448	116,137
Filled copper spray materials with DDT	lb.	72,800	27,648
Filled copper spray materials with DDT or arsenic or both	lb.	1,077,936	169,010
Copper compounds with other insecticides ..	lb.	31,247	4,756
Dry Bordeaux mixture	lb.	11,351	3,987
Other copper compounds .....	...	-	27,688

Table 1 -- Sales of Pest Control Products by Canadian Registrants (continued)

	Unit of measure	12 months ended September 30, 1957	Quantity	Value \$
(A) Agriculture (continued)				
<u>Agricultural dusts and sprays (continued)</u>				
<u>Crop and seed treatments -</u>				
<u>Other than copper fungicides -</u>				
Dry lime-sulphur	lb.		7,706	2,967
Liquid lime-sulphur.....	Imp. gal.		83,986	26,765
Dusting sulphurs - without insecticide.....	lb.		45,795	2,919
- with insecticide.....	lb.		2,288	114
Wettable sulphurs - without insecticide....	lb.		1,336,948	104,394
- with insecticide.....	lb.		107,323	43,690
Dithiocarbamates - without insecticide.....	lb.		2,700,140	628,294
- with insecticide.....	lb.		1,135,186	130,680
Mercurial fungicides (except seed treatments)	lb.		56,954	74,519
Other fungicides (not seed treatments).....	lb.		1,787,862	789,095
<u>Seed treatments -</u>				
Organic mercurials - Liquid mixtures.....	...		-	254,788
- Dry mixtures.....	...		-	267,544
Chlorobenzene.....	lb.		63,715	39,128
<u>Fungicide insecticide combination treatments</u>				
Lindane plus fungicide.....	lb.		137,278	254,706
"Other" insecticides plus fungicide.....	lb.		198,461	318,857
Other seed treatments.....	lb.		99,465	103,323
<u>Nicotine -</u>				
Nicotine sulphate.....	lb.		42,051	67,562
Other nicotine preparations.....	lb.		10,667	7,677
<u>Miscellaneous -</u>				
Zinc compounds, including zinc "safeners" e.g., zinc sulphate.....	lb.		361,115	39,181
Mineral oils for dormant or foliage spraying	Imp. gal.		214,334	68,541
Other agricultural dusts and sprays, including hydrated lime.....	...		-	142,307
TOTAL AGRICULTURAL DUSTS AND SPRAYS.....	...		-	7,066,851
<u>Livestock treatments (including poultry) -</u>				
<u>Wormers -</u>				
Coccidiosis treatments (except medicated feeds)	lb.		151,507	242,969
Phenothiazene.....	lb.		30,909	34,455
Other wormers.....	...		-	157,033
<u>Other livestock treatments -</u>				
Blackhead treatments.....	...		-	(1)
Animal insect powder (except next item)....	lb.		274,673	102,572
Warble powders and washes.....	lb.		265,561	118,526
Barn sprays for residual effects.....	Imp. gal.		17,966	54,228
Livestock sprays.....	Imp. gal.		107,181	183,261
Self-propelled livestock sprays.....	No.		34,991	26,975
Other livestock treatments.....	...		-	396,915
Total livestock treatments.....	...		-	1,316,934
<u>Herbicides⁽³⁾</u>				
Arsenicals.....	Imp. gal.		11,286	21,625
Borates, chlorates and borate-chlorate mixtures.....	lb.		7,524,458	670,386
Cyanamides and cyanates.....	lb.		5,755	7,974
Dinitros.....	lb.		58,881	82,691
I.P.C.	lb.		7,331	18,301
Mineral oils.....	Imp. gal.		-	(2)

See footnotes at end of table

Table 1 - Sales of Pest Control Products by Canadian Registrants (concluded)

	Unit of measure	12 months ended September 30, 1957	
		Quantity	Value
(C) Rodenticides			
<u>Mouse and rat poisons -</u>			
Warfarin and pival type - 0.5%.....	lb.	20,506	51,670
- 0.025%	lb.	415,897	191,812
Other mouse and rat poisons.....	lb.	96,694	98,965
Gopher poisons.....	lb.	2,410	1,551
Other rodenticides (mole killers, etc.).....	...	-	125
TOTAL RODENTICIDES.....	...	-	<u>344,123</u>
TOTAL PEST CONTROL PRODUCTS SPECIFIED IN DETAIL	...	-	19,274,783
TOTAL PEST CONTROL PRODUCTS NOT SPECIFIED IN DETAIL	...	-	<u>350,000</u>
GRAND TOTAL ALL PEST CONTROL PRODUCTS.....	...	-	19,624,783

- (1) Included with "other livestock treatments".
- (2) Included with "other herbicides".
- (3) Firms reporting M.C.P.; 2,4,5-T and 2,4-D were asked to record their sales on a basis of acid equivalent, i.e.:
 - (a) 10,000 gallons of a 64 oz. ester were to be recorded as 40,000 lb.
 - (b) 100,000 lb. of a 2,4-D dust (5%) were to be recorded as 5,000 lb.
 - (c) 5,000 gallons of an 80 oz. amine were to be recorded as 25,000 lb.
- (4) Included with "other fumigants".

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