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SALES OF PEST CONTROL PRODUCTS BY CANADIAN REGISTRANTS 12 Months Ended September 30, 1961

Sales of pest control products in the period ending September 30. 1961 as reported by Canadian registrants were valued at \$33,702,037 an increase of 24.7% over the \$27,032,451 reported for the same period the previous year. A breakdown of these totals by group with the previous year shown in brackets is; Agricultural dusts and sprays \$12,328,834 (\$9,871,727); Livestock treatments, \$2,420,324 (\$1,-888,894); Herbicides \$10,294,639 (\$8,396,160); Household and Industrial insecticides \$7,426,130 (\$5,785,146); Rodenticides \$561,110 (\$510,599) and unspecified \$671,000 (\$580,000).

Several changes in concept affecting the method or 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 previous to 1957. 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, in 1957.
- 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.
- 3. All registrants, totalling 500 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 \$10,000 were actually used in developing the details presented in this report. Previous to 1957 the cut-off was \$500. The former group (firms showing sales in excess of \$10,000) included 150 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 \$10,000) is shown under the heading of "Products not specified in detail".

Prepared in the Industry and Merchandising Division

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ROGER DUHAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa, 1962

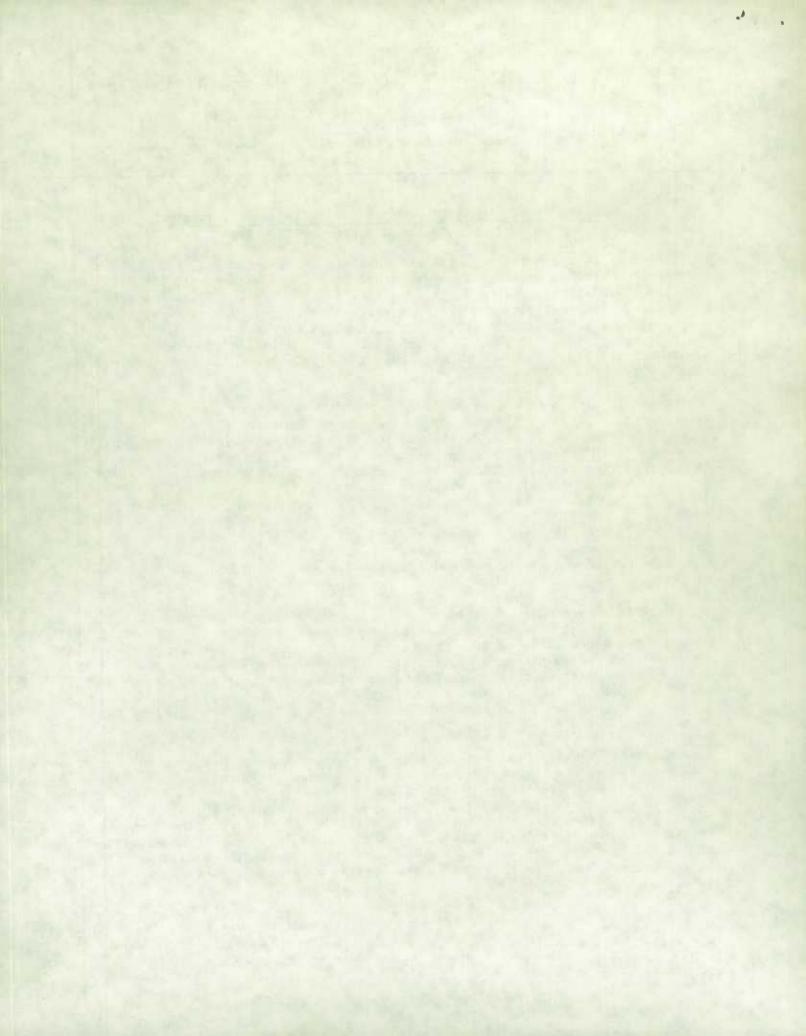


TABLE 1. Sales of Pest Control Products by Canadian Registrants

Item		12 months ended September 30, 1961	
	•	Quantity	Value
. (A) Agriculture	44		\$
	ys .	••	
(A) - Arsenicals:		7/1 015	215 062
1. Arsenate of lead	lb.	761,915	215,862
2. Arsenic dusts (without copper)	11	3,426,955	171,822
3. Calcium arsenate	7 11	165,156	13,533
4. Paris green		24,189	12,197
(B) - Botanicals: 1. Rotenone dusts (not more than 1%			
	11	513,012,	139,477
rotenone)		515,0127	133,477
2. Other botanicals (ryania dusts, etc.)	11	527	608
(C) - Synthetic organics:		221	000
1. Aldrin - Dusts (including			
granular dusts)	lb. aldrin	216,832	272,018
Emulsions	ii ala	461,384	459,436
Wettable powders	11	36,540	54,222
2. B.H.C. and lindane, dusts		30,310	,
emulsions and wettable powders .	lb. gamma	22,015	30,547
3. Chlordane - Dusts	lb. chlordane	19,406	33,033
Emulsions and			
wettable powders	11	92,452	86,333
4. Dieldrin - Dusts (incl. granular			,
dusts)	lb. dieldrin	7,844	20,449
Emulsions	18		2,179,109
Wettable powders	11	13,645	
5. Dinitro compounds (phenols and			
cresols)	1b.	87,032	24,110
6. DDT - Dusts (including granular			
dusts)	lb. DDT	91,981	74,699
Emulsions	11	363,826	286,134
Wettable powders	10	886,091	370,824
7. Endrin - Dusts	lb. endrin	4,641	21,534
Emulsions and wettable			
powders	18	104,634	401,198
8. Malathion - Dusts	lb. malathion	13,282	19,012
Emulsions	18	114,646	229,238
Wettable powders	" "	93,793	207,846
9. Methoxychlor (all formulations) .	lb. methoxychlor	52,882	50,377
10. Parathion - Parathion bombs			(1)
Dusts		1000	(1)
Emulsions	lb. parathion	16,095	37,277
Wettable powders		42,512	44,136
11. Soil fumigants	1b.	253,637	57,771
12. Specific Acaracides (including			
Aramite, chlorfenson, fenson,			
Kelthane, ovex, Sulphenon,			27/, 771
Tedion, etc.)			274,771
14. Toxaphene emulsions	lb. toxaphene	76,536	46,811
an amapient ematatona	201 Conapilette	, , , , , ,	,0,011

⁽ Included with 15 Other synthetic organics - Other n.e.e.".

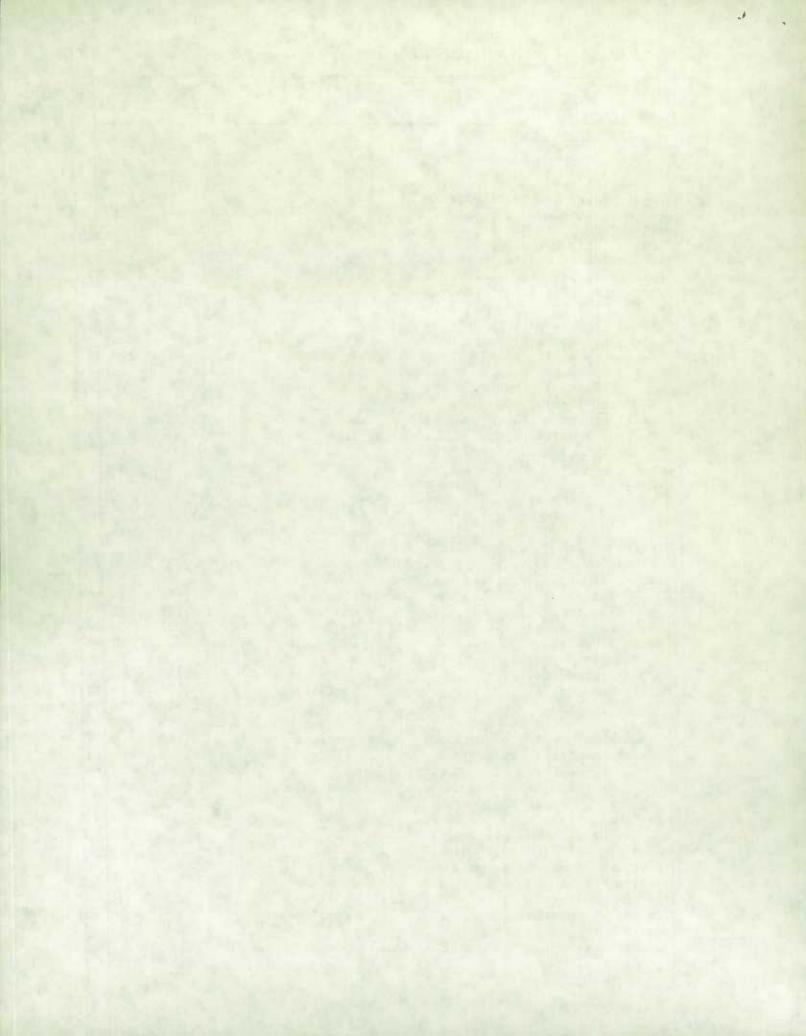


TABLE 1. Sales of Pest Control Products by Canadian Registrants - Continued

Item			12 months ended September 30, 1961		
		Quantity	Value		
. (A) Agriculture - Continued	*p.		\$		
		1			
15. Other synthetic organics:					
Chlorinated hydrocarbons,			ALLEY WESTER		
n.e.s			237,489		
Phosphates, n.e.s			840,599		
Other, n.e.s			314,486		
)) - Copper compounds (with and without		1			
insecticide):					
1. Copper sulphate		869,995	93,556		
2. Fixed copper spray materials	11	321,958	137,373		
3. Fixed copper spray materials with		= (210			
insecticide	11	76,218	31,916		
4. Fixed copper dusts with					
insecticide	11	1,167,636	174,492		
5. Other copper compounds (including					
copper lime dusts, dry Bordeaux					
mixture, etc.)	11	182,451	38,077		
E) - Other than copper fungicides:					
1. Captan (all forms)		466,208	454,631		
2. Dithiocarbamates - Ferbam	lb. ferbam	140,480	83,448		
Nabam		613,686	251,177		
Thiram			(2)		
Zineb		44,605	33,689		
Other (maneb,					
ziram, etc.)					
3. Dithiocarbamates (with insecticide)	· 1b.	269,018	78,434		
4. Dusting sulphurs	10	45,280	2,694		
5. Liquid Lime-sulphur		266,052	81,143		
6. Wettable sulphurs - Without					
insecticide	1b.	591,591	53,805		
With					
insecticide	11	85,226	48,243		
7. Other sulphurs (including dry	The second	AND THE PERSON NAMED IN			
lime-sulphur)	11	175,691	12,972		
8. Mercurial fungicides (except seed		A SHOT THE BY	All The materials		
treatments)	11	20,911	42,755		
9. Other fungicides, not seed			, , , ,		
treatments (including dichlones,	ALL STREET				
glyodin, etc.)	*		758,307		
gryoding seer, items	10.0		750,50		
F) - Seed treatments:					
1. Fungicidal:					
	1h.	35.945	23 344		
- Chlorobenzenes		35,945 37,084 -84-897			
	Imp. gal.	31,084-84,897			

⁽²⁾ Included with "Other (maneb, ziram, etc.)".

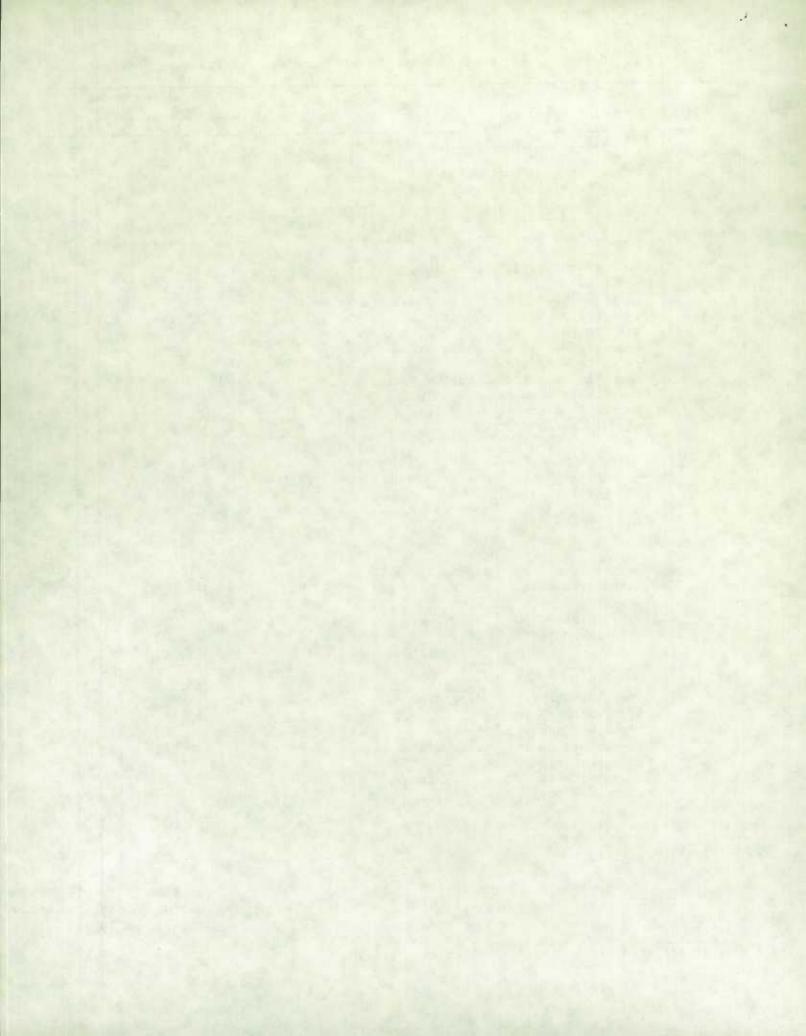


TABLE 1. Sales of Pest Control Products by Canadian Registrants - Continued

			12 months	
	1tem '		September	
(A)	Agriculture - Continued		Quantity	<u>Value</u>
- (1)	Agriculture - Continued	in the second		Y
(F) - Seed Ti	eatments - Continued:	* .	••	
2. Fung	gicide - Insecticide			
c	ombinations:	2		
- (Organic mercurials plus		1+===	1-7-10
	insecticide - Liquid	Imp. gal. 63,2		143,618 534,
	Powders	1b. 122,9	4 -1-57, 287	290,531 3.20.
01	ther fungicide plus			
	insecticide - Liquid	Imp. gal. 6.5		106,59982.76
	Powder	1b. 37.4	(7 1.13, 314	153, 198 / 43, 3
	er seed treatments	"	173,470	191,144
(G) - Miscei				
	eral oils for dormant or	· T- · · · · · ·	20/ 530	107 000
	oliage spraying	Imp. gal.	324,578	127,993
	oting liquids		1,884	21,830
	er agricultural dusts and sprays			225 (()
11	ncluding hydrated lime			225,664
Total	agricultural dusts and sprays			12,328,834
10141	agricultural duses and sprays			12, 320,034
(H) - Livesto	ock treatments (including			
poult				
Wormer				MACHINE.
	cidiosis treatments (except			
	edicated feeds)	1b.	254,159	405,560
	nothiazine	lb. phenothiazine	30,931	41,651
	erazine	lb. piperazine	74,870	90,742
	er wormers	, English and		64,419
	livestock treatments:			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	nal insect powders (except			
	arble powders)	1b.	544,935	165,317
	sprays for residual effects	Imp. gal	29,752	109,878
3. Blac	khead treatments			473,211
	stock sprays	· ĩmp. gal	196,941	404,158
5. Sel:	f-propelled livestock sprays	No.	22,849	22,951
6. Warl	ole powders and washes	1b. rotenone	47,892	77,768
7. Oth	er livestock treatments			564,669
Total	livestock treatments			2,420,324
(1)				
(I) - Herbic:		4.		
	senicals	Imp. gal.	34,915	109,508
	rates, chlorates and borate-		2 120 000	0.54
	chlorate mixtures	1b.	3,178,036	251,997
	rate-chlorate-monuron mixtures		720,930	178,516
	tyric and propionic formulations			
7,-1-1	including 2,4-DB, MCPB, mecoprop,		2 (22	25 //5
5 000	silvex, erbon, etc.)	•	3,603	35,662
	Chamates (including CDAA, CDEC, CIPC, IPC, etc.)	11	200 027	001 000
	ALEXA DEC.			1111/. (1111
	namides & potassium cyanates	1b,	320,227 32,913	904,023 26,323

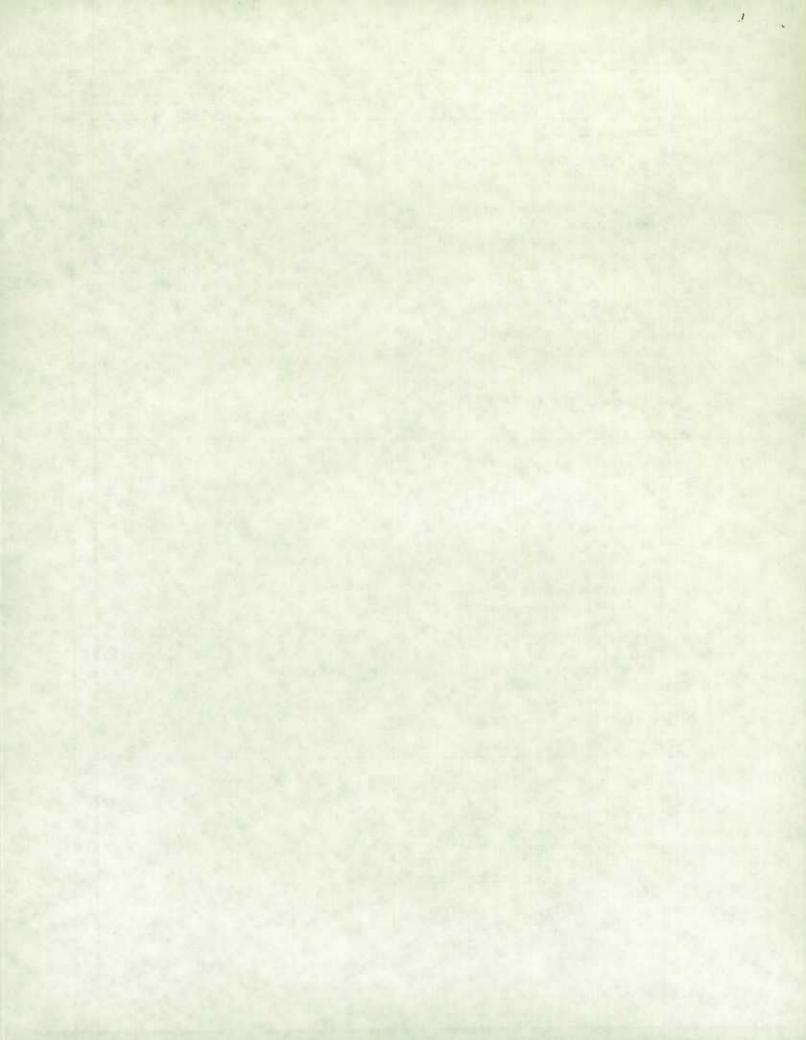


TABLE 1. Sales of Pest Control Products by Canadian Registrants - Continued

		12 months ended	
1tem		September	
		Quantity	Value
. (A) Agriculture - concluded	•		\$
(I) - Herbicides - Continued:			
7. Dalapon and mixtures including			
dalapon		112,160	97,123
8. Dinitros			83,077
9. MCPA - Amine		525,757	609,743
Ester		249,732	489,098
Other MCPA formulations		65,496	90,429
10. TCA		247,332	63,956
ll. Triazines and substituted ureas,		202 106	716 702
n.e.s		392,105	715,783
Amine liquid	lb. acid	885,500	702 525
Ester dust	i ib. aciu	63,197	702,525
Ester liquid		6,126,641	4,578,773
Other 2, 4-D formulations		122,449	102,276
13. 2, 4. 5-T formulations - Amine	11	1,107	3,747
- Ester		119,161	200,348
14. 2, 4-D, 2, 4, 5-T mixtures			470,348
2, 4-D portion of item 14		198,456	170,510
2, 4, 5-T portion of item 14		155,040	
15. Other herbicides (excluding soil			1 0 0 0
fumigants)		4 + 1	491,362
Translated 1			
Total herbicides		7.4.4	10,294,639
(B) Household and Industrial Insecticides			
(A) - Fumigants (excluding soil fumigants):			
1. Naphthalene			(3)
· 2. Paradichlorobenzene	1b.	4,317,353	1,262,634
3. Other (except soil fumigants)			
but including carbon			
tetrachloride, ethylene			
dichloride etc.)		e a d	1,440,682
(B) - Powders and Dusts:			
1. Ant traps	lb.	206,462	27,417
2. Chlordane insect powders		3,000	1,000
3. DDT insect powders (including	11	20 251	15.060
those with pyrethrum)	11	29,251	15,260
4. Fly baits	3.5	261,884	146,282
6. Lindane (for vaporizers and		293,137	.54,593
fumigators)	lh lindano	20 770	90 76/
7. Lindane dispensers:	lb. lindane	30,779	89,764
Continuous vaporization type	No.	. 3,290	
Non-continuous fumigation type	11	800	9 0 0
O O.I.		300	
8. Other powders and dusts (including			
8. Other powders and dusts (including insect smokes)			19,337

⁽³⁾ Included with "item 3, other fumigants".

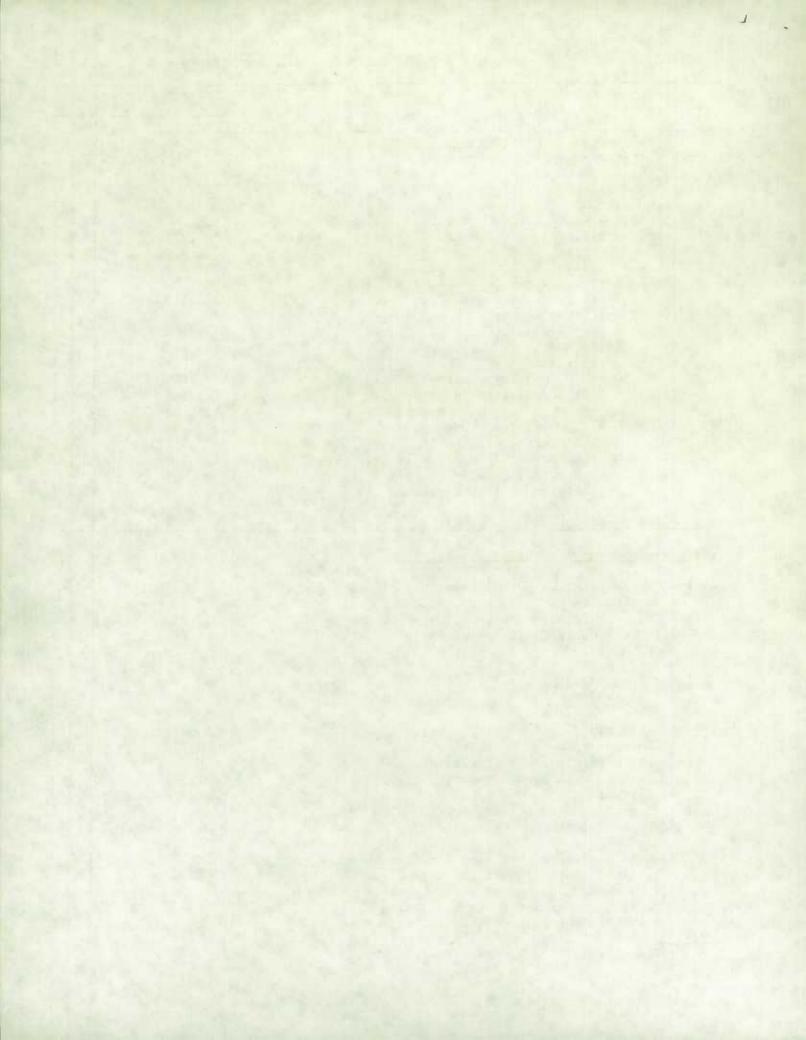


TABLE 1. Sales of Pest Control Products by Canadian Registrants - Continued

Item		12 months ended September 30, 1961	
		Quantity	Value
· (B) Household and Industrial			\$
Insecticides - Concluded			• 8
(C) - Sprays and aerosol bombs:	1		
1. Mill and warehouse sprays			
(pyrethrum type etc.)	Imp. gal.	45,067	241,500
2. Residual sprays: With DDT	11	80,755	121,279
other than DDT	10	35,044	158,214
3. Self propelled insecticides: Residual type - For fabric		37,044	
protection	No.	458,267	366,518
Other	it	161,653	115,679
Space spray type - For use on			
foliage Not for use	11	1,658,889	1,443,668
on foliage	11	1,293,013	921,970
4. Space or air sprays - Chlorinated hydrocarbon type (e.g. DDT,			
methoxychlor etc.)	Imp. gal.	21,095	56,831
Other	11	71,426	173,870
(D) - Mosquito and fly repellants: 1. Dimethyl phthalate, indalone, ethyl hexandiol, toluamide, etc.) Liquids	No.	551,442	157,730 415,876 63,924
(E) - Other Household and industrial insecticides			122 102
			132,102
Total household and industrial insecticides			7,426,130
(0) 2.1			
(C) <u>Rodenticides</u>			
(A) - Mouse and rat poisons:	THE SHAPE		
(1) Warfarin and pival type - 0.5%	1b.	150,734	69,733
- 0.025%	719	669,520	337,220
(2) Other mouse and rat poisons	11	151,084	106,652
(B) - Other rodenticides (mole killers,			
gopher poisons, etc.)			47,505
Total rodenticid s	•		561,110
		• • •	501,110

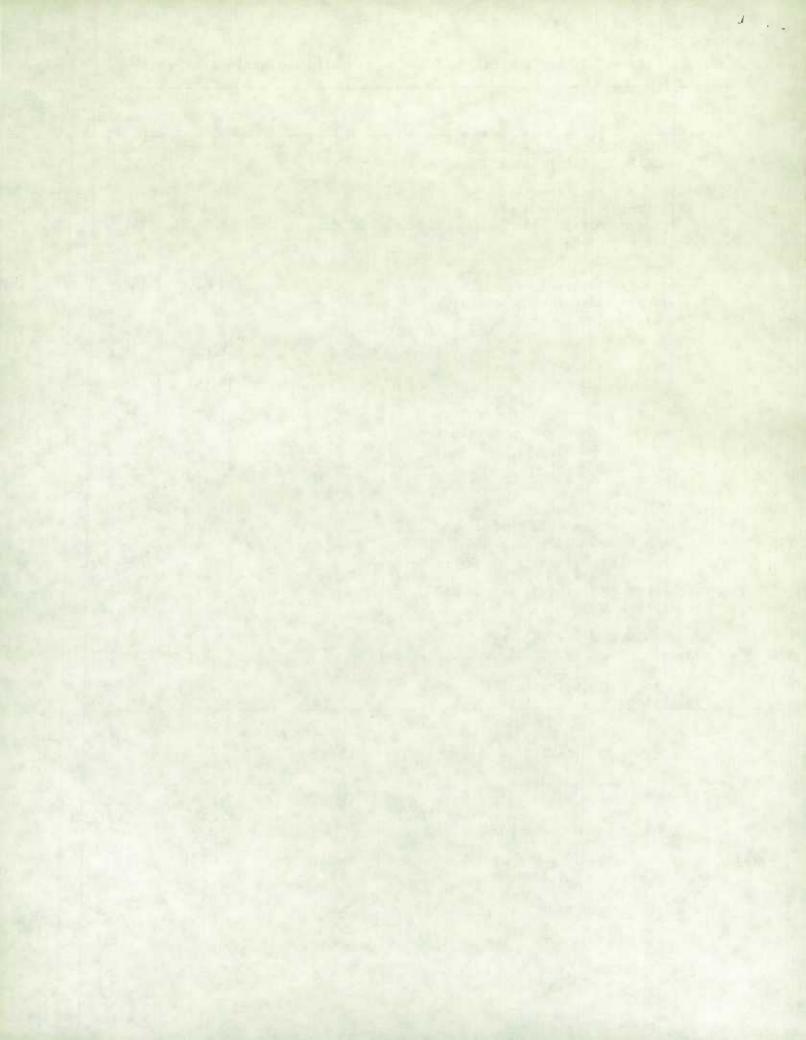


TABLE 1. Sales of Pest Control Products by Canadian Registrants - Concluded

Item	12 months ended September 30, 1961		
	Quantity	Value	
Fotal pest control products specified in		\$	
detail		33,031,037	
Total pest control products not specified in .			
detail		671,000	
Grand total all pest control products		33,702,037	

⁽a) 10,000 gallons of a 64 oz. ester would be recorded as 40,000 pounds.

⁽b) 100,000 pounds of 2, 4-D dust (5%) would be recorded as 5,000 pounds.

⁽c) 5,000 gallons of an 80 oz. amine would be recorded as 25,000 pounds.

^{...} Figures not appropriate or not applicable.

Note: Firms reporting MCPA., 2, 4, 5-T and 2, 4-D sales were asked to record their sales on a basis of acid equivalent, i.e.:

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