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D.B.S. MEMORANDUM

Dominion Bureau of Statistics, Ottawa, Canada

Price 15 cents

THE

DOMINION BU

SALES OF PEST CONTROL PRODUCTS BY CANADIAN REGISTRANTS, 1952

Sales of pest control products in 1952 as reported by Canadian registrants were valued at \$16,002,047, an increase of 1.3 per cent over the 1951 total of \$15,801,002. A drop in weedicide sales amounting to 12.7 per cent slowed up but did not completely reverse a trend which has been steadily upward since 1947 when sales were first compiled. Totals on a comparable basis, that is, excluding disinfectants which have not been registered since 1950, are as follows: 1947, \$7,200,484; 1948, \$10,315,754; 1949, \$12,159,844; 1950, \$13,557,741; and 1951, \$15,801,002.

The other four groups covered in this survey reported an increase in sales in 1952 as compared with 1951. Sales of rodenticides at \$458,746 once more showed the largest gain, advancing 45.8 per cent over the total for the previous year. Agricultural dusts and sprays after showing a decline in 1951 rallied in 1952 to register a total of \$5,203,965, a good gain of 15.6 per cent. Moderate increases were posted by livestock treatments at \$1,257,384, up 6.3 per cent and household and industrial insecticides at \$3,033,133, up 5.6 per cent. Weedicide sales were definitely off as compared with the previous year, the total of \$6,048,819 being 12.7 per cent lower than in 1951.

The present report is the sixth issued by the Bureau in conjunction with the Department of Agriculture. It gives final statistics for 1952 on the sales of all pest control products by establishments, including foreign firms registered with the Department of Agriculture to sell such products in Canada. Also included are comparable figures for 1951 and data on exports.

About 407 cut of a total of 449 registrants furnished reports in this survey, and it is estimated that this group accounted for at least 95 per cent of the total sales of pest control products in Canada. In order to avoid duplication, a special procedure was followed whereby only the sales of pest control products actually registered with the Department of Agriculture under the registrants' own number were reported. At the same time, sales of these products in bulk, for repackaging or reprocessing, were completely omitted, as such were eventually reported by the purchasing registrant. In the case of export sales, however, all pest control products, whether registered by the reporting firms or their suppliers, were supposed to be reported.

Commodity	Unit of measure	1951		1952	
		Quantity	Value	Quantity	Value
(A) Agriculture			\$		\$
Adjuvants - Soaps, blood albumen, casein, oil spreaders, etc			5,480		5,103
Crop and Seed Treatment <u>Agricultural dusts and sprays</u> : For use on field, garden, green- house and orchard crops; on seeds; but not preparations for use on livestock, and not					

weedicides:

Pest Control Products

Table 1 - Sales of Pest Control Produ	Unit of	1951		1952	
Commodity	measure	Quantity	Value	Quantity	Value
			\$		\$
(A) Agriculture (Continued)					
Crop and Seed Preatment (Continued) -					
Agricultural dusts and sprays: (Cont	inued)				
Arsenicals -					
Arsenate of lead	lb.	1,333,657	382,543	920,138	271,831
Calcium arsenate	1b.	596,480	63,895	469,665	51,600
2% arsenic dusts (without copper)		5,945,220	216,575	4,354,990	176,262
Paris green	lb.	123,396	53,264	68,996	32,930
Fluorides -					
Cryolite	lb.	4,050	408	2,440	242
Sodium fluosilicate	lb.	*,000			0.00
					0
Botanicals - Rotenone dusts (containing not					
more than 1% rotenone)	16.	378,824	87,579	514,803	124,913
Rvania dusts		010,000	(1)	011,000	(1)
Other botanicals		000	12,320		18,287
Synthetic Organics -				Section of the	
Aldrin:					
	lb.(of aldr	in) 14,010	16,518	142	242
Emulsions and wettable powders	lb.(of aldr	in) 36,417 (2) .90,828	9,323 (2)	29,820
B.H.C.: 6% gamma and under Over 6% gamma (except	lb.	265,909	34,573	67,330	14,554
Over 5% gamma (except	16.	600	202	3,260	1,359
B.H.C. as lindane) B.H.C. (as lindane):Emulsions	Imp.gal.)	000		1,799	14,381
Nettable powders	lb.)		126,722	40,964	156,454
Chlordane: Dusts	lb.	48,621	5,516	68,786	9,490
Enulsions	Imp.gal.	2,892	22,903	1,591	16,483
Wettable powders	lb.	4,854	3,068	2,344	1,647
Dinitro compounds (phenol and					
cresol)	lb.	44,387	26,654	114,841	27,529
DDT: Dusts	lb.	1,942,084	164,664	2,028,403	169,956
25% emulsifiable solutions	Imp.gal.	34,542	152,627	41,739	144,704
50% wettable powders	1b.	1,244,378	465,210	1,052,585	387,975
Methoxychlor			(3)		(3)
Parathion: 15% wettable powders.	1b.	262,825	164,013	198,183	117,157
All other forms			8,085		9,329
T.E.P.P. and H.E.T.P. (all forms)			19,970		18,135
T.D.E. or D.D.D	Ib.(T.D.E	• • • •		16,843	10,847
			(2)		(3)
Toxaphene emulsions			(3)	000	(3)
Toxaphene emulsions Soil fumigants Other synthetic organics	· 1b.	24,614	7,646	14,961	3,777

(1) Included with "other botanicals".

(2) The aldrin under this heading has reference to a .60% grade which was used in formulating the bulk of the total reported.

(3) Included with "other synthetic organics".

- 2 -

Pear Control Products

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Table 1 - Sales of Pest Control Products by Canadian Registrants, 1951 and 1952 (Continued)

Commodity	Unit of	195	1	195	52
Commod 2 by	measure	Quantity	Value	Quantity	Value
			494 1		43
(A) Agriculture (Continued)					
Agricultural dusts and sprays (Conclud	ed)				
Copper Compounds (with and without					
an insecticide) -					
Copper sulphate	. lb.	4,614,442	488,788	3,727,650	449,331
Copper lime dusts	. 1b.	126,925	12,261	117,600	12,809
Fixed copper spray materials		739,598	175,688	734,086	165,841
Fixed copper spray materials with DD	T lb.	123,490	42,709	666,801	95,950
Fixed copper dusts with DDT or					
arsenic or both	. lb.	1,855,826	218,870	2,153,673	245,646
Copper compounds with other					
insecticides	· 1b.	620,115	56,977	49,166	6,356
Dry Bordeaux mixture		60,336	12,030	143,395	33,435
Other copper compounds			4,433		16,460
Other than Copper Fungicides -			1 4 3		
A Construction of the second	11	75 000	77.774	20 116	0 510
Dry line-sulphur		35,909 258, 542	11,114 53,985	22,116	9,517
Liquid lime-sulphur Dusting sulphurs:without insecticide				427,213 61,254	112,161 3,342
with insecticide		227,663	15,603	10,710	953
Wettable sulphurs: without insecticid					
~		2,778,241	250,959	2,205,894	190,313
with insecticide .	· 10. /			315,531	45,465
Dithiocarcamates:		and a second second second			
Without an insecticide		262,770	99,647	1,013,153	256,877
With an insecticide	. 1b.	387,450	45,917	768,108	95,964
Mercurial fungicides (except seed treatments) .	. lb.		ssified ately	4,311	6,937
Cther fungicides (not seed treatment	s) 1b.	88,804	58,808	892,157	163,008
Seed Treatments -					
Organic mercurials	. lb.	572,746	322,381	990,094	682,063
Copper compounds		-	(4)		assified
Formaldehyde			(4)		ately
Herach orobeca 980 ,			(4)	155,630	92,702
Thiccarbamates		* * *	(4)		
				* 0 0	(4)
Other seed treatments			212,691	8 0 s	419,108
Nicotine -					
Nicotine sulphate	· 1b.	70,168	87,052	80,252	100,363
Other nicotine preparations	. 1b.	38,207	16,817	29,794	15,526
Viscellencous -					
Zine compounds, including zinc	2.2	388 000	07 694	40 510	5 503
"safeners," e.g., zinc sulphate		137,096	23,674	46,510	5,581
Vine killers (potato top killers)	16.	23,230	4,472	35,580	4,613
Mineral oils for dormant or	Test in T	110 005	RA DOR		
foliage spraying	. imp.gal.	112,205	34,083	151,148	57,364
Other agricultural dusts and sprays					
but excluding hydrated lime			47,631	0 5 0	35,532
Total Dusts and Sprays	0 9 0		4,501,424	000	5,203,965

(4) Included with "other seed treatments .

Pest Control Products

(A) Agrin: ture (Concluded) *		Unit of	1951		nd 1952 (Continued) 1 9 5 2	
Livestock Treatments (including pullty) - Wormors - Coccidiosis treatments: Madiuated feeds ton 1.796 214,792 3,365 424 Other wormers	Commodity	measure	Quantity	Value	Quantity	Value
Livestock Treatments (including pullty) - Wormors - Coccidiosis treatments: Medicated feeds ton 1,796 214,792 3,365 424 Cher wormers				\$		\$.
mormory - ponltry) - Wormars - Cocidiosis treatments: hediuated feeds ton 1,796 214,792 3,365 424 0ther lb. 163,770 250,724 49,150 86 Phenothiazene lb. 163,770 250,724 49,150 86 Other lb. 163,770 250,724 49,150 86 Phenothiazene lb. 59,931 93,169 30,544 62 Other wormers 127,550 99 Other investoor Trearments - Not available 27 Blackhead treatments	(A) Agriculture (Concluded)					
mormory - ponltry) - Wormars - Cocidiosis treatments: hediuated feeds ton 1,796 214,792 3,365 424 0ther lb. 163,770 250,724 49,150 86 Phenothiazene lb. 163,770 250,724 49,150 86 Other lb. 163,770 250,724 49,150 86 Phenothiazene lb. 59,931 93,169 30,544 62 Other wormers 127,550 99 Other investoor Trearments - Not available 27 Blackhead treatments	Livestock Treatments (including					
Concidiosis treatments: Indicated feeds ton 1,796 214,792 3,365 424 Other						
Hedicated feeds ton 1,796 214,792 3,365 424 Other	Wormers -				14	
Other Ib. 165,770 250,724 49,150 88 Phenothizzen hb. 59,931 93,169 30,544 62 Other worders 137,550 99 Other Morders 137,550 99 Other Livestock Transmits Not available 27 Animal Insect powders (except next item) hb. 273,631 60,544 185,820 56 Warble powders and weakes hb. 139,746 49,824 128,272 '64 Barn sprays for residual effects Imp.gel. 139,746 49,564 128,272 '64 Barn sprays for residual effects Imp.gel. 119,412 169,503 105,189 195 Other Livestock treatments 121,869 100 Total Livestock Treatments 121,857 122,459 <td>Coccidiosis treatments:</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Coccidiosis treatments:					
Phenothiazene 1b. 59,931 93,169 30,544 62 Other wormers 137,350 99 Other Livestock Transments - Not available 99 Animal insect powders (except next item) lb. 273,631 60,544 185,620 56 Warble powders and washes lb. 111,746 49,964 105,070 57,495 188 Livestock aprays Imp.gal. 49,964 105,070 57,495 188 Livestock aprays Imp.gal. 119,412 169,503 105,189 195 Other livestock treatments 121,869 100 Total Livestock treatments 1,182,285 1,257 oil, etc., bit evoluding chlorate schritors Imp.gal. 27,787 188,100 61,657 418 Dry non-selective weedicides (e.g., bora, chlorates, stc., (5) (5) (5) (6) Dusts (Hedicated feeds	ton	1,796	214,792	3,365	424,442
Other wormers 137,350 99 Cther Livestock Trearments - Not available 27 Animal insect powders (except next item) 1b. 275,651 60,544 125,820 56 Warble powders and washes 1b. 113,746 49,264 128,272 54 Dara parcys for residual effects Imp.gal. 49,964 105,070 57,495 136 Livestock sprays Imp.gal. 119,412 169,503 105,189 195 Other livestock treatments 121,869 100 Total Livestock Treatments 1,182,285 1,257 Weedicides 1,182,285 1,257 Weedicides 1,257 100 Total Livestock Treatments 1,267 188,100 61,657 418 Dry non-selective weedicides (e.g. <t< td=""><td>Other</td><td>lb.</td><td>163,770</td><td>230,724</td><td>49,130</td><td>88,252</td></t<>	Other	lb.	163,770	230,724	49,130	88,252
Coher Livestock Treatments - Not available 27 Animal insect powders (except next item) 1b. 273,631 60,544 185,820 56 Warble powders and weshes 1b. 113,746 49,264 128,272 64 Barn sprays for residual effects Imp.gel. 49,964 105,070 57,495 138 Livestock sprays Imp.gel. 119,412 169,503 105,189 195 Other livestock treatments Imp.gel. 119,412 169,503 105,189 190 Total livestock Treatments Imp.gel. 119,412 169,503 105,189 190 Weedicides Imp.gel. Inp.gel. 119,412 169,503 105,189 190 Total livestock Treatments Imp.gel. Inp.gel. 1,182,285 1,257 Weedicides Imp.gel. Inp.gel. 1,182,285 1,257 oil, etc., tit ercluding chlorates solutics Inp.gel. 1,27,787 188,100 61,657 418 Dry non-selective weedicides (e.g., borar, chlorates, stc.) Ib. (of acid) 289,331 715,505 291,478 497	Phenothiazene	lb.	59,931	93,169	30,544	62,229
Blackhead treatments Not available 27 Animal insect powders (except next item) 1b. 273,631 60,544 185,820 56 Warble powders and weshes 1b. 113,746 49,264 128,272 54 Marble powders and weshes 1b. 113,746 49,264 128,272 56 Marble powders and weshes 1b. 113,746 49,264 128,272 56 Marble powders and weshes 1b. 113,746 49,264 128,272 56 Marble powders (areaments 119,412 169,503 105,189 195 Other livestock treatments 121,869 100 Total livestock Treatments 1,182,285 1,257 Weedicides 1,257 Winerel oils 1,257 W	Other wormers			137,350		99,373
Animal insect powders (except next item) 1b. 273,631 60,544 185,620 56 Warble powders and washes 1b. 113,746 49,264 128,272 54 Barn sprays for residual effects Imp.gal. 49,964 105,070 57,495 138 Livestock sprays Imp.gal. 119,412 169,503 105,189 195 Other livestock treatments 121,869 100 Total Livestock Treatments 1,182,285 1,257 Weedicides 100 Total Livestock Treatments 100 Total Livestock treatments 100 Total Livestock treatments <td< td=""><td>Other Livestock Treatments -</td><td></td><td></td><td></td><td></td><td></td></td<>	Other Livestock Treatments -					
next item) 1b. 273,631 60,544 185,820 56 Warble powders and washes 1b. 113,746 49,964 128,272 64 Dern sprays for residual effects Imp.gal. 49,964 105,070 57,495 188 Livestock sprays Imp.gal. 119,412 166,503 105,189 195 Other livestock treatments 121,869 100 Total Livestock Treatments 1,182,285 1,257 Weedicides 1,182,285 1,257 voit non-selective weedicides 1,257 weedicides	Blackhead treatments		Not a	available	000	27,638
Warble powders and washes	Animal insect powders (except					
Barn sprays for residual effects Imp.gal. 49,964 105,070 57,495 138 Livestock sprays Imp.gal. 119,412 169,503 105,189 195 Other livestock treatments 121,869 100 Total Livestock Treatments 121,869 100 Mineral oils 1,182,285 1,257 Weedicides (5) (6) (7) Mineral oils (5) (7) (7) (7) (7) Weedicides (5) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) <	next item)	lb.				56,770
Livestock sprays Imp.gal. 119,412 169,503 105,189 195 Other livestock treatments 121,669 100 Total Livestock Treatments 121,669 100 Mineral ofis 1,182,285 1,257 Weedicides (5) (6) Liquid non-selective weedicides (5) (7) oil, etc., tut excluding chlorate (5) (7) scluticna) (5) (1) Dry non-selective weedicides (e.g., (5) (2) borax, chlorates, etc.) (5) (2) 21 2.4-D formulations (6): (5) (2) Dasts (5) (4) Solutions Anne	Warble powders and washes	1b.	113,746	49,264	128,272	• 64,78
Other livestock treatments 121,869 100 Total Livestock Treatments 1,182,285 1,257 Weedicides 1,182,285 1,257 Weedicides 1,182,285 1,257 Weedicides 1,257 Weedicides 1,257 Wingrad oil, etc., the veedicides 1,257 oil, etc., the excluding chlorate (5) (1,257) oil, etc., the excluding chlorate (5) (1,257) borax, chlorates, stc.) Ib. (5) (1,257) Selective woodicides (not 2,4-D) (5) (1,257) Dusts (5) (1,257) Solutions - Amine 10,167 317,15,505 291,478 497	Barn sprays for residual effects	Imp.gal.	49,964	105,070	57,495	138,268
Total Livestock Treatments 1,182,285 1,257 Weedicides Imp.gal. (5) (1,182,285 Mineral oils Imp.gal. (5) (1,182,285 Liquid non-selective weedicides (mixtures of 2, 4-D, 2,4,5-7, oil, etc., the excluding chlorate (5) (1,182,285 oil, etc., the excluding chlorate scluticis) Imp.gal. 27,787 188,100 61,657 418 Dry non-selective weedicides (e.g., borax, chlorates, stc.) Ib. (5) (5) (5) (5) Selective weedicides (e.g., borax, chlorates, stc.) Ib. (of acid) 289,331 715,505 291,478 497 Solutions - Amine Ib.(of acid) 317,196 391,912 299,335 5342 Exter Ib.(of acid) 317,196 391,478 497 Solutions - Amine Ib.(of acid) 3,075,393 3,874,346 2,450,940 2,960 Sodium selt Ib.(of acid) 3,060 11,438 1,815 5 Other weedicides Imp.gal. 1,218 2,669 1,085 4 Total Weedicides Imp.gal. (7) (1) (7) (1	Livestock sprays	Imp.gal.	119,412	169,503	105,189	195,03
Weedicides Imp.gal. (5) (1) Mineral oils Imp.gal. (5) (5) Liquid non-selective weedicides (mixtures of 2, 4-D, 3, 4, 5-7, oil, etc., tht excluding chlorate (5) (5) oil, etc., tht excluding chlorate schatticnal Imp.gal. 27,787 188,100 61,657 418 Dry non-selective weedicides (e.g., borax, chlorates, etc.) lb. (5) (5) (5) (5) Selective weedicides (not 2,4-D) (5) (5) (5) (5) (2) 2,4-D formulations (6): Dusts (5) (5) (5) (5) Dusts (5) (5) (5) (5) (5) (5) Solutions - Anine (b.(of acid) 289,331 715,505 291,478 497 Solutions - Anine (b.(of acid) 317,196 391,912 299,335 542 Estor (b.(of acid) 3,075,393 3,874,346 2,450,940 2,960 Sodium selt (b.(of acid) 3,060 11,438 1,815 5 Other weedicides (f	Other livestock treatments			121,869		100,59
Mineral oils Imp.gal. (5) (1) Liquid non-selective weedicides (mixtures of 2, 4-D, 2, 4, 5-T, 0) 01, etc., tut excluding chlorate 10, etc., tut excluding chlorate sclutic.s) (5) (5) (7) Dry non-selective weedicides (e.g., borax, chlorates, etc.) 1b. (5) (1) Selective weedicides (not 2,4-D) (5) (5) (1) 2,4-D formulations (6): Dusts (5) (5) (1) Dusts (1) 1b. (of acid) 289,331 715,505 291,478 497 Solutions - Amine 1b. (of acid) 317,196 391,912 299,335 342 Exter 1b. (of acid) 3,075,593 3674,346 2,450,940 2,960 Solutions - Amine 1b. (of acid) 3,060 11,438 1,815 5 Other weedicides (7) (7) (7) (7) Total Weedicides (7) (7) (7) (7) (7) Rthylene dichloride (7) (7) (7) (7) (7) (7) (7) (7) </td <td>Total Livestock Treatments</td> <td>504</td> <td></td> <td>1,182,285</td> <td></td> <td>1,257,38</td>	Total Livestock Treatments	504		1,182,285		1,257,38
Mineral oils Imp.gal. (5) (1) Liquid non-selective weedictdes (mixtures of 2, 4-D, 2,4,5-7, 0il, etc., but excluding chlorate scluticns) Imp.gal. 27,787 188,100 61,657 418 Dry non-selective weedictdes (e.g., borax, chlorates, stc.) Imp.gal. 27,787 188,100 61,657 418 Dry non-selective weedictdes (e.g., borax, chlorates, stc.) Ib. (5) (5) (5) Selective woodictdes (not 2,4-D) (5) (5) (5) (1) L, 4-D formulations (6): Dusts (b) of acid) 289,331 715,505 291,478 497 Solutions - Amine Ib.(of acid) 289,331 715,505 291,478 497 Solutions - Amine Ib.(of acid) 3,075,593 3874,346 2,450,940 2,960 Sodium selt Ib.(of acid) 3,075,593 38,74,346 2,450,940 2,960 Sodium selt (c) (c) (c) (c) Total Weedicides (c) (c) (c) (c) Carbon vatrachloride (c) (c) (c) (c) Raphta	Weedicides -		-	1		
Liquid non-selective weedicides (mixtures of 2, 4-D, 2, 4, 5-T, oil, etc., bit ercluding chlorate scluticns)	and the second sec	Imp.gal.		(5)		(5)
(mixtures of 2, 4-D, 2,4,5-T, oil, etc., but excluding chlorate scluticns) Imp.gal. 27,787 188,100 61,657 418 Dry non-selective weedicides (e.g., borax, chlorates, stc.) Ib. (5) (6) Selective woodicides (not 2,4-D) Ib. (5) (7) 2,4-D formulations (6): Dusts 1b.(of acid) 289,331 715,505 291,478 497 Solutions - Amine 1b.(of acid) 317,196 391,912 299,335 342 Exter 1b.(of acid) 3,075,393 3,874,346 2,450,940 2,980 Solutions - Amine 1b.(of acid) 3,075,393 3,874,346 2,450,940 2,980 Soldium selt 1b.(of acid) 3,060 11,438 1,815 5 Other weedicides 1,744,859 1,782 Total Weedicides Imp.gal. 1,218 2,669 1,085 4 Rthylene dichloride Imp.gal. (7) (7) (7) Naphthalene 1b. 623,534 123,986 1,437,166 258 Paradichlorobenzene 1b. 2,459,096 1,048,202						
scluticns) Imp.gal. 27,787 188,100 61,657 418 Dry non-selective weedicides (e.g., borar, chlorates, stc.) Ib. (5) (1) Selective weedicides (not 2,4-D) (5) (1) 2,4-D formulations (6): Dusts (5) (2) Dusts 1b.(of acid) 289,331 715,505 291,478 497 Solutions - Anine 1b.(of acid) 317,196 391,912 299,335 342 Ester 1b.(of acid) 3,075,393 3,874,346 2,450,940 2,980 Solutions - Anine 1b.(of acid) 3,075,393 3,874,346 2,450,940 2,980 Solutions - Anine 1b.(of acid) 3,060 11,438 1,815 5 Other weedicides 1,782 6,926,160 6,048 (B) Household and Industrial Insecticides (7) (6) Ruhylene dichloride Imp.gal. (7) (7) Naphthalene 1b. 623,534 123,986	(mixtures of 2, 4-D, 2,4,5-7,					
Dry non-selective weedicides (e.g., borax, chlorates, stc.) 1b. (5) (1) Selective woodicides (not 2,4-D) (5) (1) Selective woodicides (not 2,4-D) (5) (1) 2,4-D formulations (6): Dusts 1b.(of acid) 289,331 715,505 291,478 497 Solutions - Amine 1b.(of acid) 317,196 391,912 299,335 342 Exter 1b.(of acid) 3,075,393 3,874,346 2,450,940 2,980 Sodium selt 1b.(of acid) 3,060 11,438 1,815 5 Other weedicides 1,782 Total Weedicides 6,926,160 6;048 (B) Eousehold and Industrial Insecticides (7) (1) Carbon vetrachloride Imp.gal. 1,218 2,669 1,085 4 Maphthalene (7) (1) (1) Naphthalene (1) (2) (2) Other fumigants (5) Included						
borax, chlorates, stc.) lb. (5) (1) Selective woodicidas (not 2,4-D) (1) (1) (1) 2,4-D formulations (6): Dusts (1) (1) (1) Dusts (1) (1) (1) (1) (1) Solutions - Amine (1) (1) (1) (1) (1) (1) Solutions - Amine (1) (1) (1) (1) (1) (1) (1) Solutions - Amine (1)		Imp.gal.	27,787	188,100	61,657	418,28
Selective woodicides (not 2,4-D)		15		(5)		(5)
2,4-D formulations (6): Dusts 1b.(of acid) 289,331 715,505 291,478 497 Solutions - Amine 1b.(of acid) 317,196 391,912 299,335 342 Ester 1b.(of acid) 3,075,393 3,874,346 2,450,940 2,980 Sodium selt 1b.(of acid) 3,060 11,438 1,815 5 Other weadicides 1,744,859 1,782 Total Weedicides 6,926,160 6;048 (B) Household and Industrial Insecticides Imp.gal. 1,218 2,669 1,085 4 Ethylene dichloride Imp.gal. (7) (7) Naphthalene 1b. 623,534 123,386 1,437,166 258 Paradichlorobenzene 1b. 2,459,096 1,048,202 1,824,792 742 Other fumigants 116,224 152						21,52
Dusts 1b.(of acid) 289,331 715,505 291,478 497 Solutions - Amine 1b.(of acid) 317,196 391,912 299,335 342 Ester 1b.(of acid) 3,075,393 3,874,346 2,450,940 2,980 Sodium selt 1b.(of acid) 3,060 11,438 1,815 5 Other weedicides 1b.(of acid) 3,060 11,438 1,815 5 Other weedicides 1,744,859 1,782 Total Weedicides 6,926,160 6;048 (B) Household and Industrial Insecticides Imp.gal. 1,218 2,669 1,085 4 Ethylene dichloride Imp.gal. (7) (100,000) Naphthalene 1b. 623,534 123,986 1,437,166 258 Paradichlorobenzene 1b. 2,459,096 1,048,202 1,824,792 742 Other fumigants 116,224 152 (5) Included with "other weedicides".		***		(0)		
Solutions - Amine lb.(of acid) 317,196 391,912 299,335 342 Ester lb.(of acid) 3,075,393 3,874,346 2,450,940 2,980 Sodium selt lb.(of acid) 3,060 11,438 1,815 55 Other weedicides 1,744,859 1,782 Total Weedicides 6,926,160 6;048 (B) Household and Industrial Insecticides 6;048 Funigants (excluding soil funigants) = (7) Carbon strachloride (7) (623,534 123,986 1,437,166 258 Paradichlorobenzene 116,224 152 (5) Included with "other weedicides". 116,224 152		lb.(of ac	eid) 289,331	715,505	291,478	497,77
Sodium selt lb.(of acid) 3,060 11,438 1,815 5 Other weedicides 1,744,859 1,782 Total Weedicides 6,926,160 6;048 (B) Household and Industrial Insecticides Funigants (excluding soil funigants) Imp.gal. 1,218 2,669 1,085 4 Carbon vetrachloride Imp.gal. 1,218 2,669 1,085 4 Naphthalene Ib. 623,534 123,986 1,437,166 258 Paradichlorobenzene Ib. 2,459,096 1,048,202 1,824,792 742 (5) Included with "other weedicides". 116,224 152				391,912	299,335	342,74
Other weedicides 1,744,859 1,782 Total Weedicides 6,926,160 6;048 (B) Household and Industrial Insecticides 6,926,160 6;048 (Carbon vetrachloride 10,218 2,669 1,085 (Carbon vetrachloride 10,218 2,669 1,085 4 (Thy gal. (7) (7) (7) (7) (Insert and the lene 10 (7) (7) (7) (7) (Insert and the lene (7) (7) (7) (7) (7) (7) (Insert and the lene (7) (7) (7) (7) (7) (7) (Interport and the lene (7) (7) <td></td> <td></td> <td></td> <td></td> <td></td> <td>2,980,18</td>						2,980,18
Total Weedicides 6,926,160 6;048 (B) Household and Industrial Insecticides Funigants (excluding soil funigants) - Carbon vetrachloride Imp.gal. 1,218 2,669 1,085 4 Ethylene dichloride Imp.gal. (7) (1) (1) Naphthalene Ib. 623,534 123,986 1,437,166 258 Paradichlorobenzene ib. 2,459,096 1,048,202 1,824,792 742 Other funigants 116,224 152 (5) Included with "other weedicides". 116,224		lb.(of ac				5,55
 (B) Household and Industrial Insecticides Funigants (excluding soil funigants) = Carbon strachloride	Other weedicides	- 0 - 0	* * *	1,744,859	0.0	1,782,73
Funigants (excluding soil funigants) Imp.gal. 1,218 2,669 1,085 4 Carbon estrachloride Imp.gal. 1,218 2,669 1,085 4 Ethylene dichloride Imp.gal. (7) (1) (1) Naphthalene 1b. 623,534 123,986 1,437,166 258 Paradichlorobenzene 1b. 2,459,096 1,048,202 1,824,792 742 Other funigants 116,224 152 (5) Included with "other weedicides". 152	Total Weedicides	0 0 0		6,926,160	0 5*0	6;048,81
Funigants (excluding soil funigants) Imp.gal. 1,218 2,669 1,085 4 Carbon estrachloride Imp.gal. 1,218 2,669 1,085 4 Ethylene dichloride Imp.gal. (7) (1) (1) Naphthalene 1b. 623,534 123,986 1,437,166 258 Paradichlorobenzene 1b. 2,459,096 1,048,202 1,824,792 742 Other funigants 116,224 152 (5) Included with "other weedicides". 152					Ref. 1	
Carbon vetrachloride Imp.gal. 1,218 2,669 1,085 4 Ethylene dichloride Imp.gal. (7) (1) (1) Naphthalene 1b. 623,534 123,986 1,437,166 258 Paradichlorobenzene 1b. 2,459,096 1,048,202 1,824,792 742 Other fumigants 116,224 152						
Ethylene dichloride. Imp.gal. (7) (Naphthalene lb. 623,534 123,986 1,437,166 258 Paradichlorobenzene lb. 2,459,096 1,048,202 1,824,792 742 Other fumigants 116,224 152	and the state of t		1 210	2 660	1 005	4,04
Naphthalene lb. 623,534 123,986 1,437,166 258 Paradichlorobenzene lb. 2,459,096 1,048,202 1,824,792 742 Other fumigants 116,224 152			1,618	(7)		(7)
Paradichlorobenzene lb. 2,459,096 1,048,202 1,824,792 742 Other funigants 116,224 152 (5) Included with "other weedicides". 116,224						258,87
Other fumigants						742,381
(5) Included with "other weedicides".						152, 558
(5) Included with "other weedicides".						
(a) mine the stand of a present the manual their color on a hadra of and shutpalant	(5) Included with "other weedicides"	•		14		
(6) Firms reporting 2,4-D were asked to record their sales on a basis of acid equivalent,	(6) Firms reporting 2,4-D were asked	to record	their sales	on a basis	of acid equiva	alent,
i.e. (a) 10,000 gallons of a 64 oz. ester ware to be recorded as 40,000 lb.; (b) 100, lb. of a 8.4-D dust (5%) were to be recorded as 5,000 lb.; (c) 5,000 gallons of an 80						

i.e. (a) 10,000 gallons of a 54 oz. ester ware to be recorded as 40,000 16.; (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.

(7) Included with "other fumigants".

Pest Control Products

Table 1 - Sales of Pest Control Products by Canadian Registrants, 1951 and 1952 (Concluded)

	Jnit of	1951		1952	
Commodity	neasure	Quantity	Value	Quantity	Value
			\$		\$
(B) Household and Industrial Insectio:	ldes				
(Concluded)					
Powders and Dusts -			1. Sec. 1. Sec. 1.		
1.0% DDT insect powders		18,644		12,618	
1.0% DDT insect powders with pyrethru		14,340		25,686	15,570
Insect powders (without DDT)			lassified	6,791	4,451
Lindane (for vaporizers)	lb.	sep	arately	2,580	25,367
Sodium fluoride powders	. 1b.	33,904	21,830	Not c]	lassified
Pyrethrum powder's	. 1b.	8,244	3,537		
Thiocyanate powders	. 1b.	223	510	sepa	arately
Chlordene insect powders	. 1b.	4,185	1,348		(8)
Other powders and dusts		0 0 7	16,822		23,895
Sprays and Aerosol Bombs -					
Space or air sprays without DDT	. Imp.gal.	19,187	67,138	18,099	63,849
Space or air sprays with DDT		55,581	165,836	47,638	174,320
Residual sprays with 5% DDT		99,903	184,765	74,716	190,526
Residual sprays with other than DDT		48,556	152,455	49,512	161,294
Vill and warehouse sprays, e.g., of	Tubelow	,			
pyrethrum type, etc	. Imp.gal.	15,110	65,928	9,949	53,230
Self-propelled insecticides		452,912	398,699	882,908	784,593
Mosquito and Fly Repellents -					
			1,644		968
Citronella type			T) 044		200
Dimethyl phthalate, indalone, ethyl					
hexandiol, dimethyl carbate, etc			78,618		184,300
Other household and industrial in-					
secticides	0 0 0 0		401,358		186,670
Total Insecticides			2,872,066		3,033,133
(C) Rodenticides					
Mouse and rat poisons:					
	16		05 154	00 400	155 000
Warfarin type - 0.5%			95,154	99,480	155,783
0.025%		0 0 C	67,252	274,910	132,321
Other mouse and rat poisons			119,710	113,494	129,044
Gopher poisons			30,552	47,838	40,279
			6,399		1,319
Total Rodenticides	and the second division of the second divisio		319,067		458,746
GRAND TCTAL			15,801,002	• • •]	16,002,047
Table 2 - Canadian Exports of Pest Con	trol Produc	ts by Regis	trants, 195.	l and 1952	
Commodity		195	1	1952	
CONTROLLOY	A	Valu	.8	Value	
		\$		\$	
Agricultural dusts and sprays		249,8	03	325,996	
Livestock treatments		•• •	**		
Weedicides				742	
Household and industrial inse	ecticides .				
Disinfectants					
Rodenticides			0.		
Total Exports .				326,738	
A VAL MAPUT OF 1					

(8) Included with "other powders and dusts". 6502-545:18-6-53

