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46-212

ANNUAL

# DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Minister of Trade and Commerce

## BUREAU FÉDÉRAL DE LA STATISTIQUE

Publication autorisée par le ministre du Commerce

### SALES OF PEST CONTROL PRODUCTS BY CANADIAN REGISTRANTS

12 Months Ended September 30, 1965

Price: 25 cents  
DOMINION BUREAU OF STATISTICS

FEB 17 1966

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Sales of pest control products in the period ending September 30, 1965 as reported by Canadian registrants were valued at \$39,029,553, an increase of 6.9 per cent over the \$36,520,327 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 \$10,093,456 (\$10,285,406); Livestock treatments \$2,641,363 (\$2,369,587); Herbicides \$17,193,643 (\$14,561,201); Household and Industrial insecticides \$6,832,139 (\$6,696,571); Rodenticides \$602,701 (\$579,126); and unspecified \$1,666,161 (\$2,028,436).

- Notes: 1. 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.
2. All registrants, totalling 395 firms in number was 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 165 firms in all, and it is estimated that this group accounted for at least 95 per cent 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".

Industry Division

February 1966  
6522-830

TABLE 1. Sales of Pest Control Products by Canadian Registrants

Item	Twelve months ended September 30, 1965	
	Quantity	Value \$
<u>(A) Agriculture</u>		
A - Arsenicals:		
1. Arsenate of lead .....	lb. 590,495	154,523
2. Arsenic dusts (without copper) ...	" 1,970,020	108,635
3. Calcium arsenate .....	" 71,018	4,193
4. Paris green .....	" 8,280	5,637
B - Botanicals:		
1. Rotenone dusts (not more than 1 per cent rotenone) .....	" 374,713	116,192
2. Other botanicals (ryania dusts, etc.) .....	" 2,940	1,292
C - Synthetic organics:		
1. Aldrin - Dusts (including granular dusts) .....	lb. aldrin 322,768	280,007
Emulsions .....	" 161,809	244,068
Wettable powders .....	" 17,746	38,260
2. B.H.C. and lindane, dusts emul- sions and wettable powders .....	lb. gamma 13,588	51,339
3. Chlordane - Dusts .....	lb. chlordane 5,979	33,094
Emulsions and wettable powders .....	" 19,727	39,427
4. Dieldrin - Dusts (including granu- lar dusts) .....	lb. dieldrin 3,943	15,803
Emulsions .....	" 6,171	18,279
Wettable powders .....	" 4,691	11,657
5. Dinitro compounds (phenols and cresols) .....	lb. 58,817	37,657
6. DDT - Dusts (including granular dusts) .....	lb. DDT 226,426	102,647
Emulsions .....	" 360,226	209,048
Wettable powders .....	" 652,390	270,286
7. Endrin - Dusts .....	lb. endrin 23,729	15,426
Emulsions and wettable powders .....	" 44,442	150,057
8. Malathion - Dusts .....	lb. malathion 9,269	18,604
Emulsions .....	" 93,564	134,959
Wettable powders .....	" 27,036	45,208
9. Methoxychlor (all formulations) ..	lb. methoxychlor 44,309	46,752
10. Parathion - Parathion bombs .....	...	(1)
Dusts .....	...	(1)
Emulsions .....	lb. parathion 34,509	34,487
Wettable powders .....	" 23,116	30,161
11. Soil fumigants .....	lb. 949,324	108,183

(1) Included with 15. "Other synthetic organics - Other, n.e.s."

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

Item	Twelve months ended September 30, 1965	
	Quantity	Value
		\$
<u>(A) Agriculture - Continued</u>		
12. Specific Acaracides (including Aramite, chlorfension, Fenson, Kelthane, ovex, sulphenon, Tedion, etc.) .....	...	404,695
13. TEPP and HETP (all forms) .....	...	9,799
14. Toxaphene emulsions ..... 1b. toxaphene	24,717	21,868
15. Other synthetic organics:		
Chlorinated hydrocarbons, n.e.s. ..	...	232,656
Phosphates, n.e.s. ....	...	1,480,266
Other, n.e.s. ....	...	634,945
D - Copper compounds (with and without insecticide):		
1. Copper sulphate .....	1b.	823,724
2. Fixed copper spray materials .....	"	164,696
3. Fixed copper spray materials with insecticide .....	"	73,619
4. Fixed copper dusts with insecticide	"	681,235
5. Other copper compounds (including copper lime dusts, dry Bordeaux mixture, etc.) .....	"	57,691
E - Other than copper fungicides:		
1. Captan (all forms) .....	1b. captan	274,725
2. Dithiocarbamates - Ferbam .....	1b. ferbam	94,700
Nabam .....	1b. nabam	514,317
Thiram .....	...	(2)
Zineb .....	1b. zineb	68,126
Other (maneb, ziram, etc.) ..	...	503,681
3. Dithiocarbamates (with insecticide)	1b.	197,457
4. Dusting sulphurs .....	"	42,600
5. Liquid lime-sulphur .....	Imp. gal.	127,813
6. Wettable sulphurs - Without insec- ticide .....	1b.	356,110
With insec- ticide .....	"	20,199
7. Other sulphurs (including dry lime- sulphur) .....	"	120,242
8. Mercurial fungicides (except seed treatments) .....	"	26,723
9. Other fungicides, not seed treatments (including dichlones, glyodin, etc.) .....	...	894,655

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

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

Item	Twelve months ended September 30, 1965	
	Quantity	Value
		\$
<u>(A) Agriculture - Continued</u>		
F - Seed treatments:		
1. Fungicidal:		
Chlorobenzenes .....	lb.	12,433 7,581
Organic mercurials - Liquid ...	Imp. gal.	147,641 815,259
Powders ..	lb.	167,844 119,589
2. Fungicide - Insecticide combina- tions:		
Organic mercurials plus insecti- cide - Liquid .....	Imp. gal.	62,251 597,467
Powder .....	lb.	179,678 302,566
Other fungicide plus insecti- cide - Liquid .....	Imp. gal.	8,597 87,662
Powder .....	lb.	95,986 150,947
3. Other seed treatments .....	"	172,446 112,196
G - Miscellaneous:		
1. Mineral oils for dormant or foliage spraying .....	Imp. gal.	292,912 146,573
2. Nicotine liquids .....	"	2,785 40,810
3. Other agricultural dusts and sprays including hydrated lime .....		... 14,902
Total agricultural dusts and sprays .....		... 10,093,546
H - Livestock treatments (including poultry):		
Wormers:		
1. Coccidiosis treatments (except medicated feeds) .....	lb.	175,035 427,529
2. Phenothiazine .....	lb. phenothiazine	23,143 29,443
3. Piperazine .....	lb. piperazine	69,842 97,815
4. Other wormers .....		... 145,791
Other livestock treatments:		
1. Animal insect powders (except warble powders) .....	lb.	636,223 204,019
2. Barn sprays for residual effects .....	Imp. gal.	30,056 96,747
3. Blackhead treatments		... 580,383
4. Livestock sprays .....	Imp. gal.	147,572 332,443
5. Self-propelled livestock sprays	No.	16,093 15,558
6. Warble powders and washes .....	lb. rotenone	25,780 51,157
7. Other livestock treatments ....		... 660,478
Total livestock treatments ..		... 2,641,363

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

Item	Twelve months ended September 30, 1965	
	Quantity	Value
		\$
<u>(A) Agriculture - Concluded</u>		
I - Herbicides:		
1. Arsenicals .....	Imp. gal.	70,151 137,306
2. Borates, chlorates and borate-chlorate mixtures .....	lb.	2,952,598 302,131
3. Borate-chlorate-monuron mixtures .....	"	289,015 66,875
4. Butyric and propionic formulations (including 2, 4-DB, MCPB, mecoprop, silvix, erbon, etc.) .....	Imp. gal.	17,375 119,474
5. Carbamates (including CDAA, CDEC, CIPC, IPC, etc.) .....	lb.	520,129 1,786,968✓
6. Cyanamides & potassium cyanates .....	"	167,924 23,657
7. Dalapon and mixtures including dalapon .....	"	453,485 351,425
8. Dinitros .....		... 238,563
9. MCPA - Amine .....	lb. acid	1,319,986 1,401,361✓
Ester .....	"	630,923 665,882✓
Other MCPA formulations .....	"	150,994 267,211
10. TCA .....	"	562,402 174,389
11. Substituted ureas, n.e.s. ....	lb. product	171,304 246,849
12. 2, 4-D formulations:		
Amine liquid .....	lb. acid	1,610,325 1,013,482✓
Ester dust .....	"	926,772 593,247
Ester liquid .....	"	6,244,410 4,546,878✓
Other 2, 4-D formulations .....	"	... (3)
13. 2, 4, 5-T formulations - Amine .....	"	... (3)
Ester .....	"	207,897 267,245
14. 2, 4-D, 2, 4, 5-T mixtures .....		... 454,901
2, 4-D portion of item 13 .....	lb. acid	276,532 ...
2, 4, 5-T portion of item 13 .....	"	268,128 ...
15. Other herbicides (excluding soil fumigants) .....		... 4,535,799✓
Total herbicides .....		... 17,193,643

(B) Household and industrial insecticides

A - Fumigants (excluding soil fumigants):

1. Naphthalene .....		... (4)✓
2. Paradichlorobenzene .....	lb.	3,160,385 1,023,163✓
3. Other (except soil fumigants) but including carbon tetrachloride, ethylene dichloride etc.) .....		... 637,031

(3) Included with "item 15, other herbicides".

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

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

Item	Twelve months ended September 30, 1965	
	Quantity	Value
		\$
<u>(B) Household and industrial</u> <u>insecticides - Concluded</u>		
B - Powders and dusts:		
1. Ant traps .....	1b. 437,631	65,868
2. Chlordane insect powders .....	" 27,452	5,423
3. DDT insect powders (including those with pyrethrum) .....	" 82,109	36,366
4. Fly baits .....	" 219,009	128,062
5. Insect powders (without DDT) .....	" 221,686	38,445
6. Lindane (for vaporizers and fumigators) .....	1b. lindane 5,356	22,973
7. Lindane dispensers:		
Continuous vaporization type .....	No. 502	...
Non-continuous fumigation type ....	" 3,500	...
8. Other powders and dusts (including insect smokes) .....	...	29,126
C - Sprays and aerosol bombs:		
1. Mill and warehouse sprays (pyrethrum type etc.) .....	Imp. gal. 99,095	352,782
2. Residual sprays:		
With DDT .....	" 35,447	53,715
Chlorinated hydrocarbons, other than DDT .....	" 16,172	71,305
3. Self propelled insecticides:		
Residual type:		
For fabric protection .....	No. 288,709	238,943
Other .....	" 191,712	136,320
Space spray type:		
For use on foliage .....	" 1,908,004	1,771,652
Not for use on foliage .....	" 898,246	682,887
4. Space or air sprays:		
Chlorinated hydrocarbon type (e.g. DDT, methoxychlor etc.) .....	Imp. gal. -	-
Other .....	" 29,979	115,652
D - Mosquito and fly repellants:		
1. Dimethyl phthalate, indalone, ethyl hexandiol, toluamide, etc.:		
Liquids .....	...	206,959
Pressurized .....	No. 1,284,351	956,093
Other (including creams and sticks)	...	103,551
E - Other household and industrial insec- ticides .....		
	...	155,823
Total household and industrial insec- ticides .....	...	6,832,139

... Figures not appropriate or not applicable.

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

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