

46-212

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce



Memorandum

Price 15 cents

SALES OF PEST CONTROL PRODUCTS BY CANADIAN REGISTRANTS, 1955

Sales of pest control products in 1955, as reported by Canadian registrants, were valued at \$22,853,337, an increase of 18 per cent over the 1954 total of \$19,355,810. The advance was a continuation of the 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; 1951, \$15,801,002; 1952, \$16,200,047; 1953, \$17,219,899; and 1954, \$19,355,810.

Four of the five groups covered in this survey reported substantial increases in sales in 1955 as compared with 1954. Sales of livestock treatments at \$4,798,100 showed the largest gain, advancing 73 per cent over the total for the previous year. The other groups registering gains were agricultural dusts and sprays at \$7,834,174, up 6 per cent; herbicides at \$5,730,197, up 21 per cent and rodenticides at \$386,514, up 11 per cent. The household and industrial insecticides at \$4,104,352 were down 1 per cent and were the only group to report a decline.

The present report is the ninth issued by the Bureau in conjunction with the Department of Agriculture. It gives final statistics for 1955 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 1953 and data on exports.

About 500 out of a total of 550 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 registrant's 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.

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

6512-545-125

Pest Control Products

- 2 -

Table 1 - Sales of Pest Control Products by Canadian Registrants, 1954 and 1955

Commodity	Unit of measure	1954		1955	
		Quantity	Value \$	Quantity	Value \$
(A) <u>Agriculture</u>					
<u>Adjuvants-</u>					
Soaps, blood albumen, casein, oil spreaders, etc. ....	...	-	14,222	-	15,517
<u>Crop and seed treatment -</u>					
<u>Agricultural dusts and sprays (for use on field, garden, greenhouse and orchard crops; on seeds; but not preparations for use on live- stock, and not herbicides):</u>					
<u>Arsenicals -</u>					
Arsenate of lead.....	lb.	1,268,015	311,361	1,255,319	308,902
Calcium arsenate.....	lb.	865,387	77,577	426,852	35,134
2% arsenic dusts (without copper)	lb.	4,997,560	245,629	5,481,122	211,409
Paris green.....	lb.	74,289	36,295	60,616	21,374
<u>Fluorides -</u>					
Cryolite	lb.	-	-	6,485	1,053
Sodium fluosilicate .....	...	-	1,383	-	880
<u>Botanicals -</u>					
Rotenone dusts (containing not more than 1% rotenone)	lb.	575,335	139,255	603,350	145,304
Ryania dusts	lb.	61,035	14,802	47,230	11,221
Other botanicals.....	lb.	33,922	18,067	35,891	12,572
<u>Synthetic organics -</u>					
<u>Aldrin:</u>					
Dusts .....	...	-	73,055	-	105,985
Emulsions and wettable powders	...	-	307,797	-	181,581
B.H.C.: 6% gamma and under....	lb.	105,629	17,480	60,206	6,006
Over 6% gamma (except B.H.C., as lindane)...	lb.	6,369	1,931	12,010	4,440
<u>B.H.C. (as lindane):</u>					
Emulsions.....	Imp. gal.	2,456	18,117	2,462	15,262
Wettable powders.....	lb.	112,388	270,491	65,519	95,701
Chlordane: Dusts	lb.	154,730	23,746	182,344	32,522
Emulsions	Imp. gal.	1,393	15,538	1,711	18,651
Wettable powders..	lb.	25,923	11,921	7,047	4,823
<u>Dieldrin:</u>					
Dusts:.....	lb.	-	-	9,653	3,997
Emulsions	Imp. gal.	3,314	23,159	682	4,727
Wettable powders..	lb.	2,610	7,147	5,984	9,377
<u>Dinitro compounds (phenol and cresol)</u>					
lb.	lb.	25,211	7,635	53,916	20,191
<u>DDT Dusts.....</u>					
lb.	lb.	2,779,613	221,225	2,303,010	178,315
25% emulsifiable solutions	Imp. gal.	45,894	125,648	59,497	163,891
50% wettable powders.....	lb.	1,548,250	398,338	1,889,018	464,016
<u>Malathion: Dusts</u>					
lb.	lb.	141,933	14,466	144,706	17,419
Emulsions	Imp. gal.	11,246	165,700	45,533	532,555
Wettable powders..	lb.	220,935	125,412	457,971	229,869
<u>Methoxychlor</u>					
lb.	lb.	40,029	27,719	56,437	38,407

Pest Control Products

- 3 -

Table I - Sales of Pest Control Products by Canadian Registrants, 1954 and 1955 (Continued)

		1 9 5 4		1 9 5 5	
Commodity	Unit of measure	Quantity	Value \$	Quantity	Value \$
(A) <u>Agriculture</u> (cont.)					
<u>Agricultural dusts and sprays</u> (cont.):					
<u>Synthetic organics</u> (concluded) -					
Parathion: 15% wettable powders..	lb.	209,544	103,099	204,898	96,101
All other forms.....	...	-	18,895	-	36,895
T.E.P.P. and H.E.T.P. (all forms)..	...	-	10,775	-	10,598
Toxaphene emulsions.....	...	-	23,159	-	19,539
Soil fumigants	lb.	52,675	15,988	46,704	23,861
Other synthetic organics (including forms not specified elsewhere)...	...	-	196,666(4)	-	160,052
<u>Copper compounds</u> (with and without an insecticide) -					
Copper sulphate	lb.	2,478,416	256,693	1,995,356	273,130
Copper-lime dusts	lb.	297,558	27,420	82,215	9,608
Fixed copper spray materials.....	lb.	363,727	114,525	667,677	167,766
Fixed copper spray materials with DDT	lb.	201,481	52,698	250,402	49,459
Fixed copper dusts with DDT or arsenic or both	lb.	2,907,460	305,735	2,380,379	260,494
Copper compounds with other insecti- cides...	lb.	33,550	4,747	30,814	4,534
Dry Bordeaux misture.....	lb.	85,978	16,748	77,668	12,511
Other copper compounds.....	...	-	50,097	-	20,594
<u>Other than copper fungicides</u> -					
Dry lime-sulphur	lb.	20,274	8,307	27,644	4,869
Liquid lime-sulphur	Imp. gal.	468,491	133,745	457,209	125,404
Dusting sulphurs: Without insecticide	lb.	63,370	4,652	53,370	5,582
With insecticide	lb.	4,425	459	51,725	5,218
Wettable sulphurs: Without insecticide	lb.	2,288,213	183,196	2,428,915	181,326
With insecticide	lb.	223,666	50,722	217,131	62,524
<u>Dithiocarbamates:</u>					
Without an insecticide	lb.	854,691	191,111	2,046,200	430,129
With an insecticide	lb.	1,034,627	116,039	925,250	101,483
Mercurial fungicides (except seed treatments)	lb.	585,125	208,629	92,907	83,069
Other fungicides (not seed treatments)	lb.	1,086,004(4)	405,057	2,542,978	1,017,649
<u>Seed treatments</u> -					
Organic mercurials	lb. (of active ingredient)	244,988	706,587	-	610,505
Chlorobenzene	lb.	145,435	90,085	95,970	55,942
<u>Fungicide-insecticide combination treatments:</u>					
Lindane plus fungicide..	lb.	277,653	942,765	217,083	447,137
"Other" insecticides plus fungicide	lb.	33,400	50,600	50,950	119,511
Other seed treatments	lb.	137,204	110,704(4)	355,567	281,565
<u>Nicotine</u> -					
Nicotine sulphate	lb.	72,701	91,553	68,446	98,192
Other nicotine preparations	lb.	14,643	8,729	12,048	8,711

See footnotes at end of table.

Pest Control Products

- 4 -

Table 1 - Sales of Pest Control Products by Canadian Registrants, 1954 and 1955 (Continued)

Commodity	Unit of measure	1954		1955	
		Quantity	Value	Quantity	Value
			\$		\$
(A) Agriculture (continued)					
<u>Agricultural dusts and sprays (concluded):</u>					
<u>Miscellaneous -</u>					
Zinc compounds, including zinc "safeners", e.g., zinc sulphate ..	lb.	157,465	18,858	269,831	28,651
Mineral oils for dormant or foliage spraying	Imp. gal.	176,350	65,301	187,189	65,320
Other agricultural dusts and sprays, including hydrated lime..	...	-	95,663	-	66,144
Total dusts and sprays .....	...	-	7,395,123	-	7,834,174
<u>Livestock treatments (including poultry)-</u>					
<u>Wormers -</u>					
Coccidiosis treatments:					
Medicated feeds	ton	15,566	1,556,833	33,347	3,193,622
Other	lb.	204,427	268,538	145,040	194,627
Phenothiazene.....	lb.	48,300	73,865	43,563	49,764
Other wormers.....	...	-	145,141	-	284,759
<u>Other livestock treatments -</u>					
Blackhead treatments .....	...	-	68,476	-	406,114
Animal insect powders (except next item)	lb.	310,997	65,374	383,712	83,438
Warble powders and washes	lb.	200,655	88,225	244,554	114,649
Barn sprays for residual effects	Imp. gal.	62,187	137,557	43,928	75,126
Livestock sprays	Imp. gal.	144,621	246,949	208,374	287,007
Self-propelled livestock sprays	No.	38,975	35,784	49,802	38,534
Other livestock treatments ....	...	-	73,124	-	70,460
Total livestock treatments ...	...	-	2,759,866	-	4,798,100
<u>Herbicides (2)-</u>					
Arsenicals	Imp. gal.	6,596	8,481	16,079	15,153
Borates, chlorates and borate-chlorate mixtures	lb.	-	(1)	-	(1)
Cyanamides and cyanates	lb.	-	(1)	-	(1)
Dinitros	lb.	42,801	60,092	80,708	60,225
I. P. C.	lb.	11,321	9,106	12,836	16,207
Mineral oils	Imp. gal.	-	(1)	-	(1)
P. M. A.	lb. (of acid)	622	9,709	429	9,916
T. C. A.	lb. (of acid)	146,490	83,417	92,514	44,180
M. C. P. (2)	lb. (of acid)	59,749	105,852	82,166	149,264
2,4,5-T formulations (2):					
Ester	lb. (of acid)	57,798	92,567	34,108	65,970
Amine	lb. (of acid)	321	621	6	3
2,4-D formulations (2):					
Ester dust	lb. (of acid)	304,372	431,466	378,973	480,913
Ester liquid	lb. (of acid)	2,686,763	2,681,949	3,102,851	2,943,060
Amine liquid	lb. (of acid)	337,816	295,316	516,845	455,837
Other 2,4-D formulations	...	-	11,603	-	7,128

See footnotes at end of table.

Pest Control Products

- 5 -

Table 1 - Sales of Pest Control Products by Canadian Registrants, 1954 and 1955 (Continued)

Commodity	Unit of measure	1 9 5 4		1 9 5 5	
		Quantity	Value \$	Quantity	Value \$
(A) <u>Agriculture</u> (concluded)					
<u>Herbicides</u> (concluded) -					
2,4-D, 2,4,5-T mixtures (value only) ...		-	343,497	-	429,944
2,4-D portion of mixture ... lb.(of acid)	81,300	-	-	112,156	-
2,4,5-T portion of mixture lb.(of acid)	87,328	-	-	107,309	-
Other herbicides .....	...	-	586,874	-	1,052,397
Total herbicides .....	...	-	4,720,550	-	5,730,197
(B) <u>Household and Industrial</u>					
<u>Insecticides</u>					
<u>Fumigants</u> (excluding soil fumigants) -					
Carbon tetrachloride	Imp. gal.	178	870	985	2,504
Ethylene dichloride .....	...	-	(3)	-	(3)
Naphthalene	lb.	1,172,309	110,362	843,651	149,367
Paradichlorobenzene (x)	lb.	2,671,445	1,306,062	2,812,371	1,283,728
Other fumigants .....	...	-	178,365	-	124,645
<u>Powders and dusts</u> -					
DDT insect powders	lb.	21,884	6,561	23,656	6,654
DDT insect powders with pyrethrum..	lb.	20,868	14,815	31,241	17,411
Insect powders (without DDT)	lb.	18,575	8,148	10,969	14,721
Insect smokes .....	...	-	3,469	-	6,254
Lindane (for vaporizers)	lb.	11,399	137,248	11,235	111,865
Lindane vaporizers:					
Continuous type	No.	6,680	71,027	2,136	22,770
Non-continuous type	No.	66,176	69,825	42,832	69,327
Chlordane insect powders	lb.	1,045	533	2,471	1,745
Other powders and dusts .....	...	-	43,532	-	60,520
Fly baits	lb.	19,261	12,080	439,024	251,334
<u>Sprays and aerosol bombs</u> -					
Space or air sprays without DDT ... Imp. gal.		15,572	62,969	17,468	79,773
Space or air sprays with DDT	Imp. gal.	48,352	182,264	78,161	143,595
Residual sprays with 5% DDT	Imp. gal.	79,960	184,302	57,295	100,786
Residual sprays with other than DDT	Imp. gal.	45,772	177,806	60,967	210,608
Mill and warehouse sprays, e. g., of pyrethrum type, etc.	Imp. gal.	35,955	199,347	19,865	130,921
Self-propelled insecticides (e.g., aerosols): Space spray type ...	No.	997,070	713,274	1,136,585	830,017
Residual type	No.	266,638	178,929	311,143	199,760
<u>Mosquito and fly repellents</u> -					
Citronella type .....	...	-	16	-	37
Dimethyl phthalate, indalone, ethyl hexandiol, dimethyl carbate, etc. ...	...	-	318,042	-	194,259
Other household and industrial insecticides .....	...	-	153,510	-	91,751
Total insecticides .....	...	-	4,133,356 (4)	-	4,104,352

See footnotes at end of table.

(x) 1954 totals revised.

