

PESTICIDES

Report of Inspections 1967, 1968

J. GORDON HANNA



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PESTICIDES

Report for 1967

J. Gordon Hanna

The Connecticut Act Regulating the Distribution, Sale and Transportation of Pesticides is administered by the Commissioner of Agriculture and Natural Resources. It requires that all pesticides shall be sampled under the joint direction of the Commissioner and the Director of The Connecticut Agricultural Experiment Station. This Station is required to purchase and analyze samples of brands of pesticides offered for sale in Connecticut. Results of such analyses are to be published in the bulletins of the Station with such information regarding the character, composition and use thereof as may be of public interest or importance.

This bulletin consists of two tables. The number of samples from each manufacturer analyzed, the number of deficiencies found for each of the various components of the formulations and the average per cent of claim found for each component are presented in Table 1. The results for 136 samples produced by 30 manufacturers are summarized. Results of the analysis of 16 samples for the presence of contaminants are presented in Table 2. Contamination by other pesticides was found in four samples.

Analytical work was done by Martha Fuzesi and Richard Botsford and sampling by R. Richard Nichols. The report was prepared with the assistance of Bernice Lindgren, secretary, and Linda Terk, typist.

TABLE 1. COMPLIANCE OF 1967 PESTICIDE SAMPLES WITH GUARANTEES

Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Acme Quality Paints, Inc.	2	Sevin	1	0	98
		Zineb	1	0	99
Agway, Inc.	13	2, 4-D	1	0	98
		Dacthal	1	0	114
		DDT	2	0	102
		Dieldrin	1	0	100
		Folpet	1	0	101
		Lindane	1	0	153
		Malathion	2	0	101
		Rotenone	1	0	94
		Sevin	2	0	106
		Zytron	1	0	98
J. & L. Adikes, Inc.	3	Chlordane	1	0	101
		Folpet	1	0	99
		Malathion	2	0	102
		Sevin	1	0	100
Agrico Chemical Co.	2	Heptachlor	2	2	60
Agricultural Products Co.	1	DDT	1	0	99

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Allied Chemical Corp.	2	BHC	1	0	99
		Lindane	1	0	101
Amchem Products, Inc.	3	2, 4-D	2	0	105
		2, 4, 5-T	2	0	105
Asgrow Seed Co.	2	Chlordane	1	1	80
		Sevin	1	0	101
Bonide Chemical Co.	15	Captan	1	0	102
		Chlordane	1	0	105
		2, 4-D	2	0	98
		DDT	1	0	104
		Dieldrin	1	0	101
		Lindane	1	0	101
		Malathion	4	0	103
		Methoxychlor	1	0	102
		Rotenone	1	0	102
		Sevin	4	0	106
		Silvex	2	0	97
Chevron Chemical Co.	13	2, 4, 5-T	2	0	98
		Captan	2	0	103
Chevron Chemical Co.	13	2, 4-D	2	0	102
		DDT	3	0	106
		Folpet	1	0	100
		Kelthane	1	0	100
		Lindane	3	0	112
		Malathion	2	0	97
		Methoxychlor	1	0	100
		Rotenone	1	1	84
		Sevin	2	0	103
		Sulfur	1	0	99
		2, 4, 5-T	1	0	100
		Tetradifon	1	0	113

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TABLE 1. COMPLIANCE OF 1967 PESTICIDE SAMPLES WITH GUARANTEES (Cont.)

Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Corenco Corp.	1	Dacthal	1	1	69
Diamond Alkali Co.	1	Dacthal	1	0	103
E. I. duPont de Nemours & Co.	8	Chlordane	2	0	103
		2, 4-D	2	0	105
		Folpet	1	0	99
		Kelthane	1	0	107
		Methoxychlor	2	0	101
		Sevin	2	0	100
		Zineb	1	0	110
Elanco Products Co.	1	Dieldrin	1	0	114
Faesy & Besthoff, Inc.	3	Dacthal	2	0	109
		Dieldrin	1	0	101
Farmingdale Garden Labs, Inc.	5	Chlordane	1	0	104
		DDT	1	0	99
		Dieldrin	2	0	101
		Malathion	3	0	99
		Methoxychlor	1	0	102

Federal Chemical Co.	2	Chlordane	1	1	72
		2, 4-D	1	0	100
FMC Corp.	1	Zineb	1	0	97
Geigy Agriculture Chemicals	2	Diazinon	2	0	100
Glorion Corp.	1	Chlordane	1	0	99
		Dieldrin	1	0	125
Greenlife Products Co., Inc.	4	2, 4-D	3	2	77
		Dacthal	2	0	88
Halstead Distributing Co.	2	Captan	1	1	89
		Malathion	1	1	78
		Sevin	2	0	103
The Charles C. Hart Seed Co.	2	2, 4-D	2	0	123
Judd Ringer Corp.	1	2, 4-D	1	0	101
Kerr-McGee Corp.	11	Aldrin	1	1	72
		Captan	1	0	101
		DDT	1	0	120
		Endosulfan	1	0	98
		Lindane	1	0	96
		Malathion	2	0	103
		Methoxychlor	1	0	101
		Rotenone	1	1	64
		Sevin	4	1	94
		Zineb	1	0	98

TABLE 1. COMPLIANCE OF 1967 PESTICIDE SAMPLES WITH GUARANTEES (Cont.)

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Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Miller Chemical & Fertilizer Corp.	3	Malathion	1	1	10
		Methoxychlor	1	0	96
		Rotenone	1	0	90
		Sevin	1	1	0
		Zineb	1	0	98
Nott Mfg. Co., Inc.	2	DDT	1	0	104
		Kelthane	1	0	102
The Parrott Chemical Co.	6	Captan	1	0	100
		Chlordane	2	0	104
		DDT	1	0	98
		Malathion	2	0	111
		Methoxychlor	1	0	101
		Sevin	1	0	104
Pennsylvania Dutch Fertilizer Co.	1	Dacthal	1	0	104
Pittsburgh Plate Glass Co.	1	Chloro IPC	1	0	102
B. G. Pratt Co.	4	Chlordane	1	0	106
		Dieldrin	1	0	99
		Rotenone	1	0	98
		Sevin	1	0	100
Rockland Chemical Co., Inc.	3	Chlordane	1	0	100
		DDT	1	0	98
		Sevin	1	0	106
Rohm & Haas Co.	2	Karathane	1	0	99
		Kelthane	1	0	108
D. M. Scott Co.	1	2, 4-D	1	0	131
Seacoast Laboratories, Inc.	1	Diazinon	1	0	104
Sears, Roebuck & Co.	5	Captan	2	0	99
		DDT	1	0	100
		Karathane	1	0	97
		Malathion	2	0	101
		Methoxychlor	1	0	107
		Rotenone	1	0	88
		TDE	1	0	99
Stauffer Chemical Co.	3	Captan	1	0	103
		Parathion	1	0	100
		Trithion	1	0	96
Swift & Co.	1	Dieldrin	1	1	51
Union Carbide Corp.	2	Captan	1	0	108
		Lindane	1	0	100
		Malathion	1	1	78
		Methoxychlor	1	0	104

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TABLE 2. PRESENCE OF CONTAMINANTS

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<u>Manufacturer</u>	<u>Product</u>	<u>Contaminant</u>
Acme Quality Paints, Inc.	Acme Sevin 5% Dust	None found
Agway, Inc.	Squire Applegate 1% Rotenone Dust	None found
Asgrow Seed Co.	Asgrow Chinch Bug Killer	None found
Bonide Chemical Co.	Bonide Chinch Bug Killer	None found
	Bonide Q-B Dust	None found
	Bonide Sevin 5% Dust	None found
	The Garden Center of West Hartford Chinch Bug Killer	None found
Chevron Chemical Co.	Ortho Rotenone Dust or Spray	None found
Halstead Distributing Co.	Just Right Tomato Vegetable Dust	None found
Kerr-McGee Corp.	HH Rotenone Dust or Spray	None found
	Hubbard Hall 5% Sevin Dust	663 p. p. m. DDT
	Hubbard Hall Tomato Vegetable Dust or Spray	970 p. p. m. Chlordane
Miller Chemical & Fertilizer Corp.	Miller Dust Containing Rotenone	None found
The Parrott Chemical Co.	Lucky Sevin 5%	680 p. p. m. Captan 2650 p. p. m. Methoxychlor
B. G. Pratt Co.	Pratt 1% Rotenone Dust or Spray	None found
Rockland Chemical Co.	Rockland 5% Sevin Dust	270 p. p. m. DDT
Sears, Roebuck & Co.	Sears Insect Dust	None found

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The bulletin is in the form of a table presenting the number of samples from each manufacturer analyzed, the number of deficiencies found for each of the various components of the formulations, and the average per cent of claim found for each component. The results for 177 samples of pesticide formulations produced by 40 manufacturers are summarized.

Analytical work was done by Martha Fuzesi and Richard Botsford and sampling by R. Richard Nichols. The report was prepared with the assistance of Bernice Lindgren, secretary and Linda Terk, typist.

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Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of claims
Acme Quality Paints, Inc.	9	2, 4-D	1	0	101
		DDT	2	0	101
		Malathion	1	0	102
		Methoxychlor	1	0	114
		Rotenone	2	1	70
		Sevin	2	0	98
		Silvex	1	0	99
	Zineb	3	0	101	
J. L. Adikes	2	Diazinon	1	0	99
		Heptachlor	1	0	104
		Malathion	1	0	96
Agricultural Products Co.	2	Chlordane	1	0	104
		DDT	1	0	101
Agway, Inc.	9	Captan	1	0	99
		2, 4-D	2	0	125
		DDT	2	0	101
		Folpet	2	0	98
		Malathion	1	0	96
		Methoxychlor	1	0	100
		Rotenone	1	0	91
	Sevin	2	0	103	

Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of claims
Allied Chemical Corp.	1	Lindane	1	0	98
Amchem Products, Inc.	1	2, 4-D	1	0	109
		Silvex	1	0	109
Armour Agricultural Chemical Co.	2	Chlordane	1	0	97
		2, 4-D	1	1	67
		Dacthal	1	1	87
Asgrow Seed Co.	4	Chlordane	2	0	101
		DDT	1	0	101
		Sevin	1	0	106
Barco Manufacturing Co.	1	Chlordane	1	0	102
Boyle-Midway, Inc.	3	Captan	1	0	99
		Chlordane	1	0	103
		Malathion	2	1	94
		Methoxychlor	1	0	118
Bonide Chemical Co., Inc.	23	Captan	4	1	95
		Chlordane	1	0	104
		2, 4-D	3	0	103
		DDT	4	1	96
		Folpet	1	0	101
		Lindane	6	0	110
		Malathion	7	0	105
		Methoxychlor	2	0	99
		Rotenone	1	0	114
		Sevin	4	0	104
		Silvex	1	0	93
		Sulfur	2	0	104
		2, 4, 5-T	2	0	101

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Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of claims
Cadwell & Jones, Inc.	1	Dacthal	1	0	105
Cambridge Sales	1	Chlordane	1	0	100
Peter Cascio Nursery	1	Silvex	1	0	95
Chevron Chemical Co.	13	Captan	3	0	108
		Chlordane	2	0	102
		2, 4-D	1	0	98
		DDT	1	0	101
		Kelthane	1	0	94
		Lindane	1	0	101
		Malathion	2	0	102
		Methoxychlor	2	0	98
		Rotenone	1	0	99
		Sevin	2	0	109
		2, 4, 5-T	1	0	100
Corenco Corp.	1	2, 4-D	1	0	102
		2, 4, 5-T	1	0	105
E. I. DuPont de Nemours & Co., Inc.	4	Chlordane	1	0	97
		2, 4-D	1	0	99
		Methoxychlor	1	0	96
		Rotenone	1	0	90

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Elanco Products Co.	5	2, 4-D	2	0	104
		Dieldrin	1	0	102
		Malathion	2	0	102
		Silvex	2	0	108
Faesy & Besthoff, Inc.	1	Malathion	1	1	79
Farmingdale Garden Labs, Inc.	12	Captan	1	0	98
		Chlordane	2	0	99
		2, 4-D	3	0	116
		DDT	1	0	102
		Folpet	1	0	98
		Kelthane	1	0	103
		Lindane	1	0	100
		Malathion	3	0	103
		Methoxychlor	1	0	100
		Sevin	1	0	97
2, 4, 5-T	1	0	109		
Federal Chemical Co.	3	2, 4-D	2	0	99
		Dacthal	1	1	71
Geigy Chemical Corp.	2	Diazinon	2	0	100
		Folpet	1	0	98
Glorion Corp.	3	2, 4-D	1	1	65
		Dacthal	2	1	68
Green Beauty Products	1	2, 4-D	1	1	60
Greenlife Products Co.	1	Dacthal	1	0	98

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Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of claims
The Charles C. Hart Seed Co.	3	2, 4-D	2	0	108
		Dacthal	1	1	63
		DDT	1	1	73
Kerr-McGee Chemical Corp.	10	Captan	1	0	98
		Chlordane	1	0	97
		2, 4-D	1	1	69
		DDT	1	0	99
		Folpet	1	0	97
		Lindane	2	0	101
		Malathion	2	0	99
		Methoxychlor	1	0	103
		Rotenone	1	0	98
		Sevin	3	1	99
Zineb	1	0	95		
E. J. Korvette, Inc.	7	Chlordane	1	0	98
		2, 4-D	2	1	89
		DDT	1	0	100
		Diazinon	1	0	99
		Malathion	1	0	98
Sevin	1	0	102		

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Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of claims
Lebanon Chemical Co.	1	Chlordane	1	0	98
Loft's Pedigreed Seed, Inc.	1	2, 4-D	1	0	76
Nott Manufacturing Co., Inc.	2	DDT	1	0	101
		Kelthane	1	0	103
Old Fox Agricultural Sales, Inc.	1	2, 4-D	1	0	106
The Parrott Chemical Co.	12	Captan	2	0	96
		Chlordane	2	0	101
		DDT	3	0	102
		Lindane	1	0	97
		Malathion	2	0	103
		Methoxychlor	1	0	105
		Rotenone	2	0	97
		Sevin	1	0	97
		Sulfur	1	0	107
Patco Products, Inc.	1	2, 4-D	1	0	106
B. G. Pratt Co.	13	Captan	1	0	98
		Chlordane	1	0	101
		DDT	3	0	99
		Dieldrin	1	0	106
		Kelthane	1	0	98
		Malathion	3	0	100
		Methoxychlor	1	0	108
		Rotenone	2	0	97
		Sevin	2	0	99
Science Products Co., Inc.	2	Kelthane	1	0	103
		Malathion	1	0	102

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Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of claims
Sears, Roebuck & Co.	10	Captan	1	0	99
		Chlordane	2	0	99
		2, 4-D	1	1	77
		DDT	1	0	103
		Malathion	2	0	103
		Maneb	1	0	101
		Methoxychlor	1	0	103
		Rotenone	2	0	104
		Sevin	2	1	94
		Zineb	1	0	96
Smith-Douglass Div., Borden Co.	3	Aldrin	1	0	96
		Captan	1	0	99
		Dacthal	1	0	97
		Lindane	1	0	140
		Malathion	1	0	115
		Sevin	1	0	100
		Zineb	1	0	101
Stauffer Chemical Co.	1	Captan	1	0	99
Swift & Co.	4	Captan	1	0	97
		Dacthal	1	0	103
		DDT	1	0	101
		Malathion	1	0	98
		Rotenone	2	0	104
		Zineb	2	0	98

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