

PESTICIDES

Report of Inspections 1964, 1965, 1966

J. GORDON HANNA



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PESTICIDES

Report for 1964

J. Gordon Hanna

The work represented by this report was performed under the direction of H. J. Fisher, Chief Chemist, retired in 1966 and presently Chemist Emeritus. Analytical work was done by Martha Fusezi and Richard Botsford and sampling by R. Richard Nichols. The report was prepared with the assistance of Bernice Lindgren, secretary, and Marilyn Fishbone, typist.

The Connecticut Act Regulating the Distribution, Sale, and Transportation of Pesticides, effective January 1, 1964, 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.

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 76 samples of pesticide formulations produced by 35 manufacturers are summarized.

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
Acme Quality Paints, Inc.	5	Chlordane	1	0	101
		DDT	1	0	101
		Malathion	1	0	96
		Sevin	2	0	101
Agricultural Products Co.	3	Chlordane	2	0	102
		DDT	1	0	99
Atlas Agricultural Chemicals, Inc.	1	Sevin	1	0	99
Black Leaf Products Co.	1	Malathion	1	0	99
Bonide Chemical Co., Inc.	7	Chlordane	2	0	100
		DDT	3	0	101
		Malathion	1	0	97
		Sevin	1	0	102
Boyle-Midway, Inc.	5	Chlordane	1	0	105
		DDT	2	1	100
		DDVP	1	0	101
		Dieldrin	1	0	107
		Malathion	1	0	102
Breck's	1	Chlordane	1	0	100
California Chemical Co.	3	DDT	1	0	103
		Malathion	1	0	98
		Sevin	1	0	102

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
California Spray Chemical Co.	1	Captan	1	0	101
Chipman Chemical Co., Inc.	1	Heptachlor	1	0	100
E. I. DuPont de Nemours & Co., Inc.	4	Chlordane	1	0	102
		DDT	1	0	100
		Malathion	1	0	97
		Sevin	1	0	100
Eastern States Farmers' Exchange, Inc.	5	Chlordane	1	0	103
		DDT	1	0	101
		Malathion	2	1	95
		Sevin	1	0	101
Elanco Products Co.	1	Malathion	1	0	100
Faesy & Besthoff, Inc.	1	Sevin	1	0	99
Farmingdale Garden Labs., Inc.	1	Malathion	1	0	97
Gahree Products Co., Inc.	1	Chlordane	1	0	108
Garden Hose Spray Co., Inc.	1	Malathion	1	1	92
Gulf Oil Corp.	1	Chlordane	1	0	109
Hankscraft	1	DDT	1	0	102
Hartz Mountain Products	1	Malathion	1	0	104
The J-Con Company, Inc.	1	Chlordane	1	0	101

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
S. C. Johnson & Sons, Inc.	2	DDVP	1	0	112
		Dieldrin	1	0	107
		Perthane	1	0	109
Gaston Johnston Co.	1	Diazinon	1	0	110
		Malathion	1	0	110
Long Life Plant Care, Inc.	1	Malathion	1	0	97
Miller Chemical & Fertilizer Co.	4	Chlordane	1	0	102
		DDT	2	0	98
		Sevin	1	0	99
The Parrott Chemical Co.	5	Chlordane	2	0	105
		Malathion	1	0	101
		Sevin	2	0	103
Polk Miller Products Corp.	1	Lindane	1	0	102
		Malathion	1	0	97
The Pratt Chemical Co.	5	Chlordane	2	0	105
		Malathion	1	0	101
		Sevin	2	0	103
Rexall Drug Co.	1	Diazinon	1	0	101
O. M. Scott & Sons	1	Chlordane	1	0	95
Seacoast Laboratories	2	Malathion	1	0	101
		Sevin	1	0	102

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
Sears Roebuck & Co.	1	Malathion	1	0	93
Stauffer Chemical Co.	2	Captan	1	0	100
		Malathion	1	0	97
		Parathion	1	0	96
Thompson Chemical Corp.	1	Malathion	1	0	95
Union Carbide Chemical Co.	3	Chlordane	1	0	100
		Sevin	2	0	99

PESTICIDES

Report for 1965

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The pesticide report for 1965 is published in the same form as that for 1964.

Results for 91 samples of pesticide formulations produced by 39 manufacturers are summarized.

PESTICIDES 1965

Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
Acme Quality Paints, Inc.	4	Captan	1	0	101
		2, 4-D	1	0	103
		DDT	1	0	98
		Dieldrin	1	0	101
		Karathane	1	0	105
		Malathion	1	0	110
		Silvex	1	0	108
		2, 4, 5-T	1	0	103
Amchem Products, Inc.	3	2, 4-D	1	0	108
		2, 4, 5-T	3	0	105
American Agricultural Chemical Co.	1	2, 4-D	1	1	53
Armour Agricultural Chemical Co.	2	Chlordane	1	0	104
		Dacthal	2	1	96
Blackstone Guano Co., Inc.	3	Chlordane	1	0	113
		2, 4-D	1	0	102
		Dacthal	2	1	96
Bonide Chemical Co., Inc.	1	2, 4-D	1	1	94
Boyle-Midway, Inc.	5	Captan	2	0	99
		2, 4-D	2	0	105
		Karathane	1	0	100
		Malathion	2	0	112

Pesticides, 1965

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
Boyle-Midway, Inc. (cont.)		Methoxychlor	1	0	99
		Silvex	1	0	104
		Sulfur	1	0	100
		2, 4, 5-T	1	0	100
California Chemical Co.	7	Captan	2	0	102
		Chlordane	1	0	95
		2, 4-D	1	0	97
		Malathion	2	0	100
		Methoxychlor	2	0	100
		2, 4, 5-T	2	0	98
Cambridge Labs., Inc.	2	2, 4-D	2	0	101
		2, 4, 5-T	1	0	96
Clinton Nursery Products, Inc.	1	Captan	1	0	103
		Karathane	1	0	100
Comark Corp.	6	Chlordane	1	0	101
		2, 4-D	3	0	100
		Malathion	1	0	104
		Sevin	1	0	99
		Silvex	1	0	96
		Zytron	1	0	97
Cooperative G. L. F. Exchange	1	Malathion	1	0	102

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
E. I. DuPont de Nemours & Co., Inc.	3	Copper	1	0	102
		2, 4-D	1	0	95
		Methoxychlor	3	0	103
Eastern States Farmers' Exchange, Inc.	2	Methoxychlor	1	0	106
		Thiodan	1	0	113
		Zineb	1	0	104
Faesy & Besthoff Corp.	1	Malathion	1	0	97
Farmingdale Garden Labs., Inc.	6	Chlordane	1	0	101
		2, 4-D	2	0	98
		Dacthal	1	0	104
		Dieldrin	1	0	97
		Heptachlor	1	0	91
		Malathion	1	0	98
		Silvex	1	1	90
2, 4, 5-T	1	0	97		
The Garden Exchange, Inc. of Trumbull	2	2, 4-D	1	1	88
		Zytron	1	0	96
Hoosier Soil Service, Inc.	3	Chlordane	1	0	99
		2, 4-D	1	0	110
		Dacthal	1	1	85

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
The Hubbard-Hall Chemical Co.	5	Captan	1	0	111
		Chlordane	2	0	100
		Karathane	1	0	103
		Malathion	1	0	108
		Methoxychlor	2	0	103
		2, 4, 5-T	1	0	110
The J-Con Company, Inc.	2	Chlordane	1	0	110
		Warfarin	1	0	116
Lee Patten Seed Co.	1	Chlordane	1	0	109
O. E. Link Co., Inc.	1	Chlordane	1	0	99
Loft's Pedigreed Seed, Inc.	1	Chlordane	1	0	101
Nott Manufacturing Co., Inc.	1	Warfarin	1	1 ¹	192
Old Fox Agricultural Sales, Inc.	1	Chlordane	1	1	81
Pro-Lawn Products, Inc.	1	Dacthal	1	0	99
The Parrott Chemical Co.	6	Captan	3	0	104
		Chlordane	2	0	101
		2, 4-D	1	0	100
		DDT	1	0	108
		Malathion	1	1	83

¹ high

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
The Parrott Chemical Co. (cont.)		Methoxychlor	1	0	108
		Sulfur	1	0	104
		2, 4, 5-T	1	0	99
B.G. Pratt Company	1	Chlordane	1	0	99
Rockland Chemical Co., Inc.	2	Chlordane	2	1	97
O.M. Scott & Sons	1	2, 4-D	1	1	91
Seaboard Seed Co.	2	2, 4-D	1	1	93
		Dacthal	1	0	96
Seacoast Laboratories, Inc.	3	Chlordane	1	1	28
		Sevin	1	0	101
		Warfarin	1	0	108
Sears Roebuck & Co.	3	Captan	2	0	101
		DDT	1	1	94
		Malathion	2	0	101
		Methoxychlor	1	0	100
Stauffer Chemical Co.	2	Dieldrin	1	0	105
		Parathion	1	1	93
Swift & Co.	1	Dacthal	1	1	78
Union Carbide Corp.	2	2, 4-D	1	0	103
		Malathion	1	0	98
		2, 4, 5-T	1	0	104

Pesticides, 1965

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
Wirthmore Feeds, Inc.	2	Captan	1	1	94
		DDT	1	1	87
		Malathion	1	1	48
		Warfarin	1	0	132

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Report for 1966

J. Gordon Hanna

The work represented by this report was performed under the direction of H. J. Fisher¹ and J. Gordon Hanna,² Chief Chemists, by Martha Fusezi and Richard Botsford. R. Richard Nichols performed the sampling. The report was compiled and prepared with the assistance of Bernice Lindgren, secretary, and Marilyn Fishbone, typist.

The pesticide report for 1966 is published in the same form as the reports for the two preceding years.

Results for 124 samples of pesticide formulations produced by 50 manufacturers are summarized.

¹ Retired August 1, 1966, presently Chemist Emeritus

² Appointed effective August 1, 1966.

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
Acme Quality Paints, Inc.	2	Sevin	2	1	76
		Sulfur	1	0	104
		Zineb	1	0	106
Agrico Chemical Co.	2	Heptachlor	1	0	100
		Zytron	1	0	120
Agricultural Products Co.	2	Captan	1	0	100
		DDT	1	0	96
		Malathion	1	0	100
		Methoxychlor	1	0	112
		Sulfur	1	0	104
Agway, Inc.	1	Chlordane	1	0	103
American Fertilizer Co.	1	Dacthal	1	0	104
Asgrow Seed Co.	1	Sevin	1	0	105
Black Leaf Products Co.	3	Chlordane	1	0	95
		DDT	1	0	98
		Sevin	1	0	101
Bonide Chemical Co., Inc.	9	Captan	2	0	105
		Chlordane	2	0	107
		DDT	1	0	122
		Heptachlor	1	0	100
		Kelthane	1	0	100
		Lindane	1	0	116

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
Bonide Chemical Co., Inc. (cont.)		Malathion	4	0	107
		Methoxychlor	2	0	99
		Sevin	3	0	101
Boyle-Midway, Inc.	3	Captan	2	0	100
		Malathion	3	0	103
		Methoxychlor	2	0	98
		Sulfur	2	0	103
Cadwell & Jones, Inc.	1	2, 4-D	1	0	98
California Spray Chemical Corp.	1	Dieldrin	1	0	99
Chevron Chemical Co.	7	Captan	2	0	108
		DDT	4	0	106
		Folpet	1	0	97
		Lindane	3	0	100
		Malathion	4	3	85
		Methoxychlor	2	0	98
		Tetradifon	3	0	110
Chipman Chemical Co., Inc.	1	Chlordane	1	0	98
Clinton Nursery Products, Inc.	1	Aramite	1	0	100
		DDT	1	0	102
		Ferbam	1	0	97
		Lindane	1	0	127
		Sulfur	1	0	99

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
Comark Corp.	6	Captan	1	0	100
		Chlordane	2	0	100
		Dacthal	1	0	103
		Dieldrin	1	0	101
		Kelthane	1	0	115
		Malathion	1	0	98
		Methoxychlor	1	0	97
Zytron	1	1	93		
Consolidated Rendering Co.	2	Chlordane	2	2	101
Diamond Alkali Co.	1	Dacthal	1	0	99
The Dow Chemical Co.	1	Zytron	1	0	99
E. I. DuPont de Nemours & Co., Inc.	9	Chlordane	1	0	106
		Dacthal	1	0	99
		Ferbam	1	0	96
		Folpet	1	0	96
		Kelthane	1	0	97
		Malathion	1	0	97
		Methoxychlor	3	0	103
		Rotenone	1	1	79
		Sevin	2	0	103
		Sulfur	1	0	105
Zineb	1	0	102		
Elanco Products Co.	3	Dieldrin	2	0	109
		Trifluralin	1	0	104

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
Farmingdale Garden Labs., Inc.	8	Captan	1	0	103
		Dacthal	1	1	86
		DDT	1	0	102
		Diazinon	1	0	98
		Dieldrin	1	0	95
		Heptachlor	1	0	170 ¹
		Kelthane	2	0	97
		Lindane	3	0	102
		Malathion	1	0	100
		Maneb	1	0	97
		Sevin	1	0	94
		Sulfur	1	0	103
Garden Hose Spray Co., Inc.	3	Captan	1	0	96
		Chlordane	1	0	103
		Malathion	1	0	98
Geigy Agricultural Chemicals	6	Captan	1	0	101
		Diazinon	5	0	100
		Malathion	1	1	69
		Methoxychlor	1	0	98
Glorion Corp.	2	Chlordane	1	0	97
		Dacthal	2	0	99
		Dieldrin	1	0	95

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¹ high

PESTICIDES 1966

Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
Halstead Distributing Corp.	3	Captan	1	0	107
		Folpet	1	0	106
		Kelthane	1	0	98
		Malathion	3	1	99
		Methoxychlor	1	1	84
		Sevin	2	1	101
Heritage House Products	2	Dacthal	2	0	105
The Hubbard-Hall Chemical Co.	4	Captan	2	0	103
		DDT	1	0	97
		Malathion	1	0	115
		Methoxychlor	1	0	97
		Sevin	1	0	100
		Zineb	1	0	95
International Minerals & Chemical Corp.	1	Dacthal	1	0	101
Kerr McGee Chemical Corp.	1	Sevin	1	0	105
Lebanon Chemical Corp.	2	Captan	1	0	99
		DDT	1	0	99
		Malathion	1	1	49
		Methoxychlor	1	1	89
Miller Chemical & Fertilizer Corp.	1	Zytron	1	0	98
National Carbon Co., Div. Union Carbide Corp.	1	Captan	1	0	98

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
National Carbon Co. (cont.)		Malathion	1	1	75
		Methoxychlor	1	0	97
Nott Manufacturing Co., Inc.	1	Malathion	1	0	95
Old Deerfield Fertilizer	1	Dacthal	1	0	96
Old Fox Agricultural Sales, Inc.	1	Dacthal	1	1	86
Parrott Chemical Co.	3	Captan	1	0	104
		Malathion	2	0	100
		Maneb	1	0	107
		Methoxychlor	1	0	100
		Sevin	1	0	109
B.G. Pratt Company	3	DDT	1	0	104
		Folpet	1	0	96
		Kelthane	1	0	100
		Lindane	1	0	105
		Malathion	1	0	96
		Sevin	1	0	99
Rohm & Haas Company	1	Karathane	1	0	98
Science Products Co., Inc.	1	Kelthane	1	0	103
O. M. Scott & Sons, Co.	2	Bandane	1	0	96
		Chlordane	1	0	97
		Sevin	1	0	101

PESTICIDES 1966

Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
Seacoast Laboratories, Inc.	1	Chlordane	1	0	95
Sears Roebuck & Co.	4	Captan	1	0	102
		Chlordane	1	0	98
		DDT	1	0	102
		Kelthane	1	0	100
		Malathion	3	1	89
		Methoxychlor	2	1	93
		Sulfur	1	0	100
		Trithion	1	0	103
Smith-Douglass Div. Borden Co.	2	Zineb	1	1	78
		Captan	1	0	102
		Malathion	1	0	98
		Methoxychlor	1	0	96
		Sevin	1	0	107
		Sulfur	2	0	100
Stauffer Chemical Co.	3	Zineb	1	1	35
		Chlordane	1	0	102
		Dieldrin	1	0	103
Stern's Garden Products, Inc.	1	Heptachlor	1	0	95
		Folpet	1	0	97
		Kelthane	1	0	100
		Malathion	1	1	70
		Sevin	1	1	80

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Manufacturer	No. of Samples	Pesticide	No. of guaranties	No. of deficiencies	Average % of claims
Swift & Co.	5	Bandane	1	1	68
		Captan	1	0	100
		Dacthal	1	0	97
		DDT	1	0	102
		Dieldrin	2	2	56
		Karathane	1	0	111
		Malathion	1	0	98
Two Guys	3	Chlordane	2	1	71
		Dacthal	2	1	77
Union Carbide Consumer Products Div.	1	Phaltan	1	0	101
		Sevin	1	0	102
		Sulfur	1	0	105

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