

PESTICIDES

Inspection report

1971

J. GORDON HANNA



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J. Gordon Hanna, Chief Chemist

The Connecticut Act Regulating the Distribution, Sale and Transportation of Pesticides was administered by the Commissioner of Agriculture and Natural Resources until July 1, 1971. Effective on that date, authority under the act was transferred to the Commissioner of Environmental Protection. The act requires that 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 and 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 257 samples of pesticide formulations produced by 56 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 C. J. Miller, typist.

The following permissive guarantee variations suggested by the Association of American Pesticide Control Officials were used as guidelines to evaluate conformance to claims:

<u>Guarantee, %</u>	<u>Allowable Deviation Below Guarantee</u>
less than 1.0	15% of Guarantee
1.00 - 19.99	0.1 plus 5% of Guarantee
20.00 - 49.99	0.5 plus 3% of Guarantee
50.00 - 100.00	1.0 plus 2% of Guarantee

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	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Acme Insecticide Division, Sherwin Williams Co.	14	Captan	2	0	102
		Chlordane	2	0	107
		Dacthal	1	0	101
		2, 4-D	1	0	114
		DDT	1	0	98
		Folpet	1	0	100
		Kelthane	1	0	99
		Malathion	2	0	102
		Methoxychlor	3	0	102
		Rotenone	1	0	120
		Sevin	3	0	100
		Sulfur	1	0	99
		2, 4, 5-T	1	0	109
		Zineb	2	0	98
Agrico Chemical Co., Division of Continental Oil Co.	1	Heptachlor	1	0	100
Agricultural Products Co., Inc.	7	Captan	2	0	100
		Chlordane	2	0	105
		Folpet	1	0	99
		Malthion	3	0	103
		Methoxychlor	1	0	96
		Rotenone	1	0	126
		Sevin	1	0	103
		Sulfur	1	0	106
		Zineb	1	0	111
Agway, Inc.	17	Captan	2	0	104
		Ciodrin	1	0	100
		Dacthal	2	1	96
		DDT	1	0	104
		2, 4-D	2	0	111
		Dieldrin	1	0	100
		Ethion	1	0	95
		Folpet	1	0	102
		Kelthane	1	0	110
		Malathion	4	0	100
		Methoxychlor	3	0	98
		Rotenone	1	0	120
		Sevin	1	0	100
		2, 4, 5-T	1	0	140
		Vapona	1	0	98
Allied Chemical Corp.	1	Lindane	1	0	99
Amchem Products, Inc.	3	Dacthal	1	1	77
		2, 4-D	1	0	101
		2, 4-D + Dicamba	1	1	93
		Silvex	1	0	98
Arlan's Department Stores	1	Chlordane	1	0	112
Asgrow Mandeville Co., Upjohn Co.	3	Dyrene	2	0	109
		Sevin	1	0	109
Black Leaf Products Co.	10	Captan	1	0	107
		Chlordane	1	0	95
		DiSyston	1	0	93
		2, 4-D	1	0	106
		Folpet	1	0	99
		Kelthane	1	0	97
		Malathion	2	1	77
		Maneb	2	1	89

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Pesticides

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Black Leaf Products Co. (Cont.)		Methoxychlor	1	0	98
		Sevin	4	0	103
		Silvex	1	0	104
		2, 4, 5-T	1	0	108
Bonide Chemical Co., Inc.	15	Captan	3	0	100
		Dieldrin	1	0	102
		DiSyston	1	0	103
		Folpet	1	0	99
		Karathane	1	0	100
		Kelthane	1	0	100
		Lindane	1	0	100
		Malathion	3	1	92
		MetaSystox	1	0	103
		Methoxychlor	3	0	98
		Rotenone	3	0	122
		Sevin	3	0	103
		Silvex	1	0	102
		Zineb	1	0	104
Boyle-Midway, Inc.	5	Captan	2	0	100
		Chlordane	1	0	100
		2, 4-D	1	0	139
		Malathion	2	0	109
		Metaldehyde	1	0	106
		Methoxychlor	2	0	99
		2, 4, 5-T	1	0	159
Chemagro Corp.	2	Dyrene	2	0	100
Chevron Chemical Co., Ortho Div.	20	Captan	2	0	103
		Chlordane	1	0	101
		2, 4-D	3	0	106
		Diazinon	1	0	98
		DiSyston	2	1	91
		Dyrene	1	0	101
		Folpet	2	0	98
		Kelthane	1	0	100
		Lindane	2	0	101
		Malathion	2	0	104
		Metaldehyde	1	0	103
		Methoxychlor	2	0	102
		Rotenone	2	0	103
		Sevin	3	0	103
		Silvex	2	0	103
		2, 4, 5-T	1	0	100
		Sulfur	1	0	99
		Trifluralin	1	0	111
Corenco Corp.	2	Chlordane	1	0	120
		2, 4-D	1	0	109
		2, 4, 5-T	1	0	109
The d-Con Co., Sterling Drug, Inc.	1	Chlordane	1	0	98
Diamond Shamrock Chemical Co.	1	2, 4-D + Dicamba	1	0	116
Elanco Products Co., Eli Lilly & Co.	13	Balan	3	0	108
		2, 4-D	3	0	115
		DDT	1	0	101
		Sevin	1	0	100
		Silvex	2	0	109
		2, 4, 5-T	1	0	136
		Trifluralin	5	0	99

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Faesy & Besthoff, Inc.	3	Malathion	1	0	98
		Sevin	2	0	102
Farmingdale Garden Laboratories, Inc.	12	Chlordane	1	0	101
		2, 4-D	1	0	102
		Ethion	1	0	101
		Folpet	1	0	97
		Kelthane	1	0	113
		Lindane	1	0	101
		Malathion	1	0	98
		Maneb	1	0	90
		Prometone	1	0	101
		Sevin	5	0	101
		Sulfur	1	0	110
		Trifluralin	1	0	104
Federal Chemical Co.	1	Diazinon	1	1	69
Geigy Agricultural Chemicals	1	Diazinon	1	0	98
The Great Atlantic & Pacific Tea Co.	1	Dacthal	1	0	97
Heritage House Products	4	Chlordane	1	0	103
		Daconil	1	0	103
		Dacthal	1	0	100
		DiSyston	1	0	150
		Sevin	1	0	99
A. H. Hoffman, Inc.	2	DiSyston	1	0	96
		Trifluralin	1	0	99
Hopkins Agricultural Chemical Co.	1	Diazinon	1	0	100
S. C. Johnson & Sons, Inc.	1	Diethy diphenyl dichloroethane	1	0	105
Judd Ringer Corp.	2	2, 4-D	1	0	97
		Sevin	1	0	98
		Silvex	1	0	97
Kerr-McGee Chemical Corp.	4	Chlordane	1	0	120
		2, 4-D	1	0	113
		DiSyston	2	0	95
		Silvex	1	0	95
E. J. Korvette, Inc.	7	Captan	1	0	97
		2, 4-D	1	0	110
		DDT	1	0	102
		Dieldrin	1	0	100
		Malathion	2	0	99
		Methoxychlor	1	0	98
		Sevin	2	0	102
		Silvex	1	0	103
		Sulfur	2	0	103
S. S. Kresge Co.	2	Folpet	1	0	98
		Kelthane	1	0	105
		Malathion	2	0	106
The Murphy Chemical Co., Limited	1	Metaldehyde	1	0	107
Nassau Garden Inc.	4	2, 4-D	1	0	121
		2, 4-D + Dicamba	1	0	104
		Dacthal	2	1	90

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Nassau Garden Inc. (Cont.)		Silvex	1	0	93
H. W. Naylor Co.	1	Rotenone	1	0	98
		Sulfur	1	0	117
Niagara Chemical Division, FMC Corp.	1	Chlordane	1	0	99
Nott Manufacturing Co., Inc.	1	Kelthane	1	0	100
Old Fox Chemical Inc.	1	Dacthal	1	1	37
The Parrott Chemical Co.	10	Captan	2	0	99
		Chlordane	1	0	100
		DDT	2	0	101
		Lindane	1	0	101
		Malathion	1	0	99
		Rotenone	2	0	91
		Sevin	2	0	102
		Sulfur	1	0	102
Charles Pfizer & Co., Inc.	1	Rotenone	1	0	94
Plantabbs Corporation	1	DiSyston	1	0	109
B. G. Pratt & Co.	21	Captan	1	0	97
		Chlordane	3	0	108
		2, 4-D + Dicamba	1	0	96
		Dieldrin	1	0	97
		DiSyston	1	0	106
		Folpet	2	1	65
		Kelthane	3	0	98
		Lindane	1	0	99
		Malathion	5	1	101
		Maneb	1	0	101
		Metaldehyde	1	0	99
		Meta Systox	1	0	98
		Methoxychlor	4	0	99
		Rotenone	3	0	102
		Sevin	3	0	101
		Sulfur	1	0	104
Ralston Purina Co.	5	Captan	1	0	99
		DiSyston	1	0	102
		Rotenone	1	0	104
		Sevin	2	0	102
		Sulfur	2	0	102
		Zineb	1	0	103
Sanford Seed Co.	1	Chlordane	1	0	102
		Dieldrin	1	0	98
Science Products Co., Inc.	3	Kelthane	2	0	99
		Sevin	1	0	102
O. M. Scott & Sons Co.	7	Chlordane	1	0	103
		2, 4-D	1	0	113
		2, 4-D + Dicamba	2	0	109
		DDT	1	0	105
		Ethion	1	0	104
		Ferbam	1	1	33
		Malathion	1	0	98
		MCPP	1	0	106
		Sevin	1	0	95
		Surfur	1	0	107

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Seacoast Laboratories, Inc.	3	Chlordane	2	0	109
		Diazinon	1	0	98
Sears, Roebuck & Co.	15	Captan	3	0	99
		Chlordane	3	1	96
		2, 4-D	2	0	98
		2, 4-D + Dicamba	1	0	103
		Folpet	1	0	97
		Malathion	3	3	71
		Maneb	1	0	96
		Methoxychlor	2	0	101
		Rotenone	1	0	141
		Sevin	3	0	102
		Silvex	1	0	118
		Sulfur	1	0	105
		Trifluralin	1	0	105
Zineb	1	0	97		
Shell Chemical Co.	3	Ciodrin	1	0	101
		Vapona	2	0	115
Smith-Douglas Division, Borden Chemical	6	Chlordane	2	0	104
		Dyrene	1	0	101
		Malathion	1	0	100
		Sevin	2	0	98
		Sulfur	1	0	101
Zineb	1	0	88		
Stauffer Chemical Co.	2	Captan	1	0	102
		Sevin	1	0	103
Swift Agricultural Chemicals Corp.	3	2, 4-D + Dicamba	1	0	126
		Maneb	1	0	96
		Sevin	2	0	100
Two Guys	1	2, 4-D	1	0	101
Union Carbide Corp.	1	Sevin	1	0	99
Velsicol Chemical Corp.	1	Chlordane	1	0	101
Vigoro	4	2, 4-D + Dicamba	2	0	97
		Dacthal	2	1	67
Woolfork Chemical Works, Limited	2	Malathion	1	0	98
		Sevin	1	0	99
		Zineb	1	0	98
F. W. Woolworth Co.	1	2, 4-D	1	0	114
		2, 4, 5-T	1	0	107

THE CONNECTICUT
AGRICULTURAL EXPERIMENT STATION
NEW HAVEN, CONNECTICUT 06504

Paul E. Waggoner
Director

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