

PESTICIDES

Report of Inspections, 1970

J. GORDON HANNA



Lloyd G. Keirstead performs a clean-up procedure during a pesticide residue analysis.

PESTICIDES

Report for 1970

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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 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 percent of claim found for each component. The results for 215 samples of pesticide formulations produced by 45 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 Patricia Briar, 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

Cover photograph by Raymond E. West

PESTICIDES 1970

Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Acme Insecticide Division	10	Captan	3	0	98
		Chlordane	1	0	100
		Dacthal	1	0	100
		Folpet	1	0	100
		Malathion	3	0	113
		Methoxychlor	2	0	101
		Pentachloro-nitro benzene	1	0	101
		Sevin	3	0	101
		Zineb	1	0	101
		Agrico Chemical Co.	1	Heptachlor	1
Agricultural Products Co.	5	Captan	1	0	98
		DDT	1	0	101
		Folpet	2	0	96
		Malathion	3	0	98
		Rotenone	1	0	101
Agway, Inc.	24	Captan	3	0	100
		Chlordane	1	0	96
		Dacthal	3	0	99
		DDT	3	0	104
		Dieldrin	1	0	103
		Ethion	1	0	104
		Ferbam	1	0	101
		Folpet	1	0	97
		Kelthane	2	0	96
		Lindane	1	0	107
		Malathion	5	2	84
		Methoxychlor	4	0	105
		Prometone	2	0	103
		Rotenone	1	0	97
		Sevin	4	1	99
Allied Chemical Corp.	1	Lindane	1	0	99
Amchem Products, Inc.	1	2, 4-D	1	1	54
		Silvex	1	1	66
Asgrow- Mandeville Co.	3	2, 4-D	1	1	78
		DDT	1	0	101
		Sevin	1	0	106
Atlas Agricultural Chemicals, Inc.	1	Dieldrin	1	0	106
Black Leaf Products Co.	6	Captan	1	0	99
		2, 4-D	2	0	114
		Folpet	2	0	98
		Kelthane	2	0	106
		Malathion	3	0	106
		Methoxychlor	2	1	92
Bonide Chemical Co., Inc.	15	Captan	2	0	99
		Chlordane	1	0	109
		DDT	1	0	105
		Dieldrin	1	0	105

PESTICIDES 1970 (Cont.)

Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Bonide Chemical Co., Inc. (Cont.)		Folpet	1	0	102
		Kelthane	2	0	89
		Lindane	2	0	106
		Malathion	5	0	106
		Methoxychlor	4	0	99
		Rotenone	2	0	99
		Sevin	3	0	105
	Zineb	1	0	99	
Boyle-Midway, Inc.	3	Captan	1	0	100
		Chlordane	1	0	101
		Malathion	2	1	98
		Methoxychlor	1	0	99
		Sulfur	1	0	101
Peter Cascio Nursery, Inc.	1	Silvex	1	0	97
Chevron Chemical Co., Ortho Div.	13	Captan	2	0	106
		Chlordane	2	0	106
		DDD	1	0	96
		DDT	2	0	101
		Folpet	2	0	98
		Kelthane	1	0	101
		Lindane	3	0	103
		Malathion	2	1	92
		Methoxychlor	1	0	96
		Sevin	3	0	99
Clinton Nursery Products, Inc.	2	2, 4-D	1	0	122
		Folpet	1	0	105
		Kelthane	1	0	88
		Lindane	1	0	100
		Silvex	1	0	126
Corenco Corp.	2	Chlordane	1	1	35
		2, 4-D	1	0	111
		2, 4, 5-T	1	0	104
Diamond Shamrock Corp.	1	Dacthal	1	0	101
Doggett-Pfeil Co.	1	DDT	1	0	104
		Lindane	1	0	94
E. I. DuPont de Nemours & Co., Inc.	1	Methoxychlor	1	0	98
Elanco Products Co.	6	Balan	2	0	99
		2, 4-D	1	0	117
		Silvex	1	0	112
		Trifluralin	3	0	97
Faesy & Besthoff, Inc.	3	DDT	1	0	99
		Eptam	1	0	95
		Malathion	1	0	96
Farmingdale Garden Laboratories, Inc.	6	Chlordane	2	0	103
		Ethion	1	0	102

Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Farmingdale Garden Laboratories, Inc. (Cont.)		Kelthane	1	0	101
		Lindane	1	0	99
		Maneb	1	0	100
		Sevin	2	0	102
Free-Flow Fertilizer Co.	2	Dacthal	2	0	101
Geigy Agricultural Chemicals	1	Diazinon	1	0	99
Heritage House Products		Dacthal	3	0	100
		DDT	1	0	101
		Sevin	1	0	98
A. H. Hoffman, Inc.	1	Trifluralin	1	0	106
Kerr-McGee Chemical Corp.	9	Aldrin	1	1	73
		Chlordane	2	1	82
		2, 4-D	1	0	110
		DDT	1	0	105
		Malathion	1	0	102
		Sevin	2	0	103
		Silvex	1	0	90
E. J. Korvett, Inc.	7	2, 4, 5-T	1	0	118
		Zineb	1	0	101
		Captan	1	0	96
		Chlordane	2	0	106
		DDT	1	0	102
		Diazinon	1	0	99
		Kelthane	1	1	92
Malathion	1	0	99		
Methoxychlor	1	0	97		
Sevin	1	0	100		
Loft's Pedigreed Seed, Inc.	1	2, 4-D	1	0	98
		Silvex	1	0	102
Miller Chemical & Fertilizer Corp.	1	Sevin	1	0	100
Nassau Garden, Inc.	2	Dacthal	1	0	98
		2, 4-D	1	0	110
Nott Manufacturing Co., Inc.	3	Dieldrin	1	0	102
		Kelthane	1	0	98
		Malathion	1	0	100
		2, 4, 5-T	1	0	113
The Parrott Chemical Co.	7	Captan	1	0	100
		Chlordane	1	0	102
		DDT	1	0	99
		Lindane	1	0	104
		Malathion	2	0	98
		Methoxychlor	2	0	100
		Sevin	2	0	99

PESTICIDES 1970 (Cont.)

Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
B. G. Pratt & Co.	19	Captan	1	0	98
		Chlordane	1	0	100
		DDT	3	0	100
		Dieldrin	1	0	100
		Folpet	5	1	97
		Lindane	3	0	102
		Malathion	9	0	100
		Methoxychlor	4	0	103
		Rotenone	1	0	93
		Sevin	8	0	100
		Sulfur	1	0	103
Ralston Purina Co.	9	Captan	1	0	99
		DDT	1	0	97
		Kelthane	3	0	102
		Lindane	3	0	101
		Malathion	3	1	94
		Methoxychlor	3	0	100
		Sevin	3	0	102
		Sulfur	1	0	99
		Zineb	1	0	95
Rockland Chemical Co., Inc.	1	Rotenone	1	0	114
Science Products Co., Inc.	3	DDT	1	0	104
		Dieldrin	1	0	92
		Kelthane	1	0	104
		Malathion	1	0	105
Seacost Laboratories, Inc.	7	DDT	1	0	99
		Folpet	1	0	99
		Kelthane	1	0	104
		Malathion	1	0	98
		Methoxychlor	1	0	105
		Rotenone	1	0	101
		Sevin	3	0	104
		Sulfur	1	0	110
Smith-Douglass Division, Borden Co.	5	Chlordane	1	0	110
		Dacthal	1	0	96
		Malathion	1	0	98
		Sevin	2	0	100
		Zineb	1	0	101
Stauffer Chemical Co.	3	Captan	1	0	99
		Eptam	1	0	92
		Lindane	1	0	99
Two Guys	5	Dacthal	2	0	102
		2, 4-D	3	1	86
Union Carbide Corp.	3	Folpet	1	0	99
		Sevin	1	0	99
		Sulfur	2	0	93
		Zineb	1	1	75

PESTICIDES 1970 (Cont.)

Manufacturer	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
USS Agri-Chemical, Inc.	2	Balan	1	0	109
		Dacthal	1	0	99
Vaughan's Seed Co.	1	2, 4-D	1	0	114
		2, 4, 5-T	1	0	100
Vigoro	1	Dacthal	1	0	99

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