

PESTICIDES

Inspection report

1973

J. GORDON HANNA



Bulletin 741
March, 1974

PESTICIDES
INSPECTION REPORT

1973

J. Gordon Hanna, Chief Chemist

The Connecticut Act Regulating the Distribution, Sale and Transportation of Pesticides is administered by 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 percent claim found for each component.

The number of pesticide samples collected during the inspection period was 319, and 411 analytical determinations were made on them since some formulations contain more than one active ingredient. Products from 64 manufacturers are summarized in the table.

Analytical work was done by Martha Fuzesi and Richard Botsford, with sampling by R. Richard Nichols. The report was prepared by Martha Fuzesi, with the assistance of Charlotte Peet.

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

PESTICIDES 1973

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims	
Acme Insecticide Division, Sherwin Williams Co.	16	Captan	1	0	103	Connecticut Experiment Station Bulletin 741
		Chlordane	3	0	101	
		Dacthal	1	0	99	
		Dimite	1	0	99	
		DiSyston	1	0	97	
		Folpet	1	0	99	
		Karathane	1	0	100	
		Kelthane	1	0	108	
		Malathion	2	0	106	
		Methoxychlor	1	0	98	
		Rotenone	2	0	99	
		Sevin	4	0	103	
		Sulfur	1	0	100	
		Zineb	1	0	109	
Agrico Chemical Co.	3	Dacthal	1	0	100	
		Siduron	1	1	19	
		Thiram	1	0	104	
Agricultural Products Co.	5	Captan	1	0	97	
		Chlordane	1	0	105	
		Folpet	1	0	101	
Agricultural Products Co. (Cont.)		Malathion	2	0	101	
		Rotenone	1	0	95	
		Sevin	3	0	101	
		Zineb	1	0	100	
Agway, Inc.	19	Captan	2	0	101	Pesticides
		Chlordane	2	0	107	
		Ciodrin	1	0	98	
		Dacthal	2	2	76	
		Dursban	2	0	100	
		Ferbam	1	0	99	
		Folpet	1	0	95	
		Lindane	1	0	95	
		Kelthane	1	0	99	
		Malathion	4	0	104	
		Methoxychlor	2	0	99	
		Rotenone	1	0	99	
		Sevin	3	0	100	
		Siduron	3	0	101	
Allied Mills, Inc.	1	Sevin	1	0	103	
Amchem Products, Inc.	2	2,4-D + Silvex	1	1	60	
		2,4,5-T + Silvex	1	0	104	
American Cyanamid Co.	1	Cyprex	1	0	100	
Asgrow Mandeville Co.	6	Aspon	1	0	100	5
		2,4-D + Silvex	2	0	117	
		Dyrene	1	0	110	
		Siduron	2	0	97	

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Black Leaf Products Co.	10	Chlordane	3	0	101
		2,4-D	1	0	93
		Folpet	1	0	99
		Kelthane	1	0	98
		Malathion	2	0	99
		Maneb	1	0	100
		Rotenone	1	0	93
		Sevin	4	0	103
Bonide Chemical Co., Inc.	27	Captan	6	0	101
		Chlordane	1	0	101
		2,4-D + 2,4,5-T	1	0	103
		DDT	1	0	110
		Diazinon	1	0	110
		Dieldrin	1	0	96
		Folpet	1	0	99
		Karathane	1	0	100
		Kelthane	2	0	101
		Lindane	2	0	99
		Malathion	7	1	101
		Maneb	1	0	100
		Meta-Systox	1	0	99
		Methoxychlor	6	0	100

Bonide Chemical Co., Inc. (Cont.)		Pyrethrins	2	0	103
		Rotenone	3	0	104
		Sevin	5	0	102
Boyle-Midway, Inc.	6	Captan	2	0	102
		Eptam	1	0	90
		Malathion	3	0	102
		Methoxychlor	2	0	101
		Sulfur	2	0	102
		Vapona	2	0	101
Central Chemical Corp.	1	Sevin	1	0	100
Chevron Chemical Co.	27	Aspon	1	0	107
		Captan	3	0	108
		Chlordane	1	0	102
		2,4-D + Silvex	1	0	95
		Diazinon	2	0	101
		Di-Syston	3	0	104
		Dyrene	1	0	100
		Folpet	3	0	99
		Kelthane	2	0	99
		Lindane	1	0	100
		Malathion	3	0	101
		Maneb	1	0	99
		Meta-Systox R	1	0	100
		Methoxychlor	2	0	101
		Pyrethrins	1	0	100
Rotenone	2	0	98		
Sevin	6	0	100		

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Chevron Chemical Co. (Cont.)		Siduron	1	0	102
		Silvex	1	0	105
		Sulfur	1	0	100
		Trifluralin	1	0	97
Comar Industries	1	Captan	1	0	99
		Malathion	1	0	99
		Methoxychlor	1	0	97
		Sulfur	1	0	100
Corenco Corporation	1	Balan	1	0	101
The d-Con Co., Inc.	1	Pyrethrins	1	0	96
Diamond Shamrock Corp.	8	Aspon	1	0	100
		Chlordane	1	0	99
		Daconil	2	0	100
		Dacthal	3	0	99
		Di-Systox	1	0	117
		Karathane	1	0	94
		Sevin	2	0	101
E. I. Du Pont de Nemours & Co.	2	Maneb	1	0	99
		Zineb	1	0	100
Elanco Products Co., Division of Eli Lilly & Co.	11	Balan	2	0	100
		Captan	1	0	100
		2,4-D + MCPP	1	0	109
		2,4-D + Silvex	1	0	97
		Malathion	2	0	101
		Meta-Systox R	1	0	100
		Methoxychlor	2	0	98
		Sevin	1	1	73
		Siduron	1	0	103
Trifluralin	2	0	108		
Essex Chemical Corp., Consumer Products Div.	1	Pyrethrins	1	0	120
Faesy & Besthoff, Inc.	3	Dyrene	1	1	32
		Malathion	1	0	100
		Maneb	1	1	41
		Sevin	1	0	100
Farmingdale Garden Labs., Inc.	9	Captan	1	1	78
		Chlordane	1	0	101
		2,4-D + Silvex	1	0	100
		Ethion	1	0	102
		Folpet	1	0	100
		Kelthane	1	0	100
		Lindane	1	0	99
Malathion	3	0	102		

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims	10 Connecticut Experiment Station Bulletin 741
Farmingdale Garden Labs., Inc. (Cont.)		Methoxychlor	1	0	96	
		Sevin	3	0	100	
		Sulfur	1	0	100	
Farnam Companies	1	Dylox	1	0	100	
Free Flow Fertilizer Co.	1	2,4-D	1	0	100	
Geigy Agricultural Chemicals	2	Diazinon	2	0	96	
W. T. Grant Co.	10	Captan	1	0	97	
		Chlordane	1	0	98	
		Diazinon	1	0	102	
		Folpet	1	0	98	
		Kelthane	1	0	87	
		Malathion	3	2	82	
		Maneb	1	0	100	
		Methoxychlor	1	0	98	
		Pyrethrins	2	0	95	
		Sevin	4	1	92	
Gulf Oil Corp.	3	Diazinon	1	0	97	
		Pyrethrins	2	0	97	

The Chas. C. Hart Seed Co.	2	2,4-D	1	0	93	
		2,4-D + Silvex	1	0	111	
Hartz Mountain Pet Foods	2	Pyrethrins	1	0	92	
		Sevin	1	0	110	
A. H. Hoffman, Inc.	2	Di-Syston	1	0	92	
		Trifluralin	1	0	98	
S. C. Johnson & Son, Inc.	3	Perthane	1	0	97	
		Pyrethrins	1	0	89	
		Vapona	1	0	99	
Judd-Ringer Corp.	1	2,4-D + Silvex	1	0	99	
Kerr-McGee Chemical Corp.	3	Chlordane	1	0	100	
		Diazinon	1	0	98	
		Tupersan	1	0	104	
E. J. Korvette, Inc., Division of Spartans Ind., Inc.	5	Captan	1	0	100	
		Diazinon	1	0	103	
		Malathion	2	0	101	
		Methoxychlor	1	0	98	
		Sevin	2	0	105	
		Sulfur	2	0	100	
S. S. Kresge Co.	4	Chlordane	1	0	101	
		Folpet	1	0	99	
		Kelthane	1	0	98	
		Malathion	2	1	88	
		Sevin	2	0	101	

Pesticides

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims	12 Connecticut Experiment Station Bulletin 741
Lebanon Chemical Corp.	2	Aspon	1	0	100	
		Rotenone	1	0	106	
		Zineb	1	0	96	
McArdles Seed Co.	1	Aspon	1	0	113	
Nassau Garden, Inc.	4	Dacthal	1	0	98	
		Sevin	1	0	102	
		Siduron	1	0	100	
		Trifluralin	1	1	36	
Nott Manufacturing Co.	1	Lindane	1	0	110	
		Thiram	1	0	100	
Old Fox Chemical, Inc.	1	Dacthal	1	0	98	
The Parrott Chemical Co.	7	Captan	2	0	104	
		Copper	1	0	100	
		Malathion	2	0	102	
		Methoxychlor	1	0	110	
		Rotenone	3	0	101	
		Sevin	1	0	99	
Charles Pfizer & Co.	1	Sevin	1	0	102	

Plantabbs Corp.	1	Malathion	1	0	103	Pesticides
B. G. Pratt Co.	18	Captan	1	0	100	
		DiSyston	1	0	96	
		Dursban	1	0	102	
		Folpet	2	0	98	
		Kelthane	5	0	104	
		Lindane	1	0	99	
		Malathion	7	3	90	
		Maneb	2	0	99	
		Methoxychlor	4	0	101	
		Pyrethrins	3	0	93	
		Rotenone	2	0	103	
		Sevin	5	0	99	
Sulfur	2	0	100			
Ralston Purina Co.	5	Captan	1	0	102	
		Malathion	2	0	102	
		Perthane	1	0	110	
		Pyrethrins	1	0	100	
		Sevin	1	0	101	
		Zineb	1	0	98	
Rockland Chemical Co., Inc.	5	Chlordane	1	1	83	
		Dursban	2	0	98	
		Dyrene	1	0	98	
		Ferbam	1	0	101	
		Siduron	1	0	94	
Rohn & Haas Company	3	Karathane	2	0	100	
		Maneb	1	0	101	

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims	14 Connecticut Experiment Station Bulletin 741
Ross Daniels, Inc.	1	DiSyston	1	0	120	
Science Products Co., Inc.	15	Captan	3	1	67	
		Diazinon	1	0	98	
		DiSyston	1	0	101	
		Dursban	1	0	102	
		Folpet	2	1	93	
		Kelthane	5	0	103	
		Malathion	5	1	78	
		Maneb	1	0	100	
		Methoxychlor	6	1	83	
		Rotenone	1	0	120	
		Sevin	2	0	99	
		Thiram	2	0	101	
O. M. Scott & Sons Co.	1	Ethion	1	0	97	
Seacoast Laboratories, Inc.	16	Chlordane	1	0	105	
		Diazinon	1	0	113	
		Dursban	1	0	100	
		Folpet	1	0	98	
		Kelthane	1	0	104	
		Malathion	4	0	101	

Seacoast Laboratories, Inc. (Cont.)		Methoxychlor	3	0	106	
		Rotenone	2	0	105	
		Sevin	4	0	102	
		Siduron	1	0	103	
		Zineb	2	0	101	
Sears, Roebuck & Co.	12	Captan	1	0	99	
		Chlordane	2	0	98	
		2,4-D	1	1	68	
		2,4-D + Banvel	1	0	98	
		Dacthal	1	0	96	
		Dylox	1	0	105	
		Folpet	1	0	96	
		Malathion	2	0	103	
		Maneb	1	0	108	
		Methoxychlor	1	0	98	
		Rotenone	1	0	120	
		Sevin	2	0	104	
		Zineb	1	0	102	
Shell Chemical Co., Division of Shell Oil Co.	3	Gardona	1	0	99	
		Vapona	2	0	101	
The Sherwin-Williams Co.	1	Captan	1	0	102	
		Malathion	1	0	110	
		Methoxychlor	1	0	98	
Spartans Industries, Inc.	1	2,4-D	1	0	91	
Stauffer Chemical Co.	1	Ferbam	1	0	99	15

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims	16 Connecticut Experiment Station Bulletin 741
Stim-U-Plant Laboratories, Inc	1	Chlordane	1	0	103	
		V-C 13	1	0	97	
Swift Agricultural Chemical Corp.	8	Captan	1	0	95	
		2,4-D	1	0	96	
		2,4-D + MCPP	1	0	117	
		Dacthal	1	0	97	
		Karathane	1	0	100	
		Malathion	1	0	102	
		Maneb	2	0	104	
		Sevin	5	0	101	
Swiss Farms, Inc.	1	Pyrethrins	1	0	90	
Thompson-Hayward Chemical Co.	1	Dichlobenil	1	0	99	
Thuron Industrial Sales, Inc.	1	Vapona	1	0	101	
Uniroyal Chemical, Division of Uniroyal, Inc.	1	Omite	1	0	98	

USS Agri-Chemicals, Division of U.S. Steel	1	DiSyston	1	1	56	
		Treflan	1	0	100	
F. W. Woolworth Co.	5	Captan	1	0	99	
		Chlordane	1	0	103	
		Folpet	1	1	82	
		Kelthane	1	0	106	
		Malathion	3	1	89	
		Maneb	1	0	98	
		Methoxychlor	1	0	99	
		Sevin	2	0	106	

An Equal Opportunity Employer

THE CONNECTICUT
AGRICULTURAL EXPERIMENT STATION
NEW HAVEN, CONNECTICUT 06504

Paul E. Wiggout
Director

PUBLICATION
PENALTY FOR PRIVATE USE, \$300

POSTAGE PAID
U.S. DEPARTMENT OF
AGRICULTURE
AGR 101



Founded in 1875 — First Station in the Nation