

# PESTICIDES

Inspection report

# 1972

J. GORDON HANNA



PESTICIDES  
INSPECTION REPORT

1972

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 per cent claim found for each component.

The number of pesticide samples collected during the inspection period was 303, and 382 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 and typed by Carol Johnson Miller.

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 1972

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Acme Insecticide Division, Sherwin Williams Co.	17	Chlordane	4	0	103
		Dachtal	1	0	101
		DDT	1	0	96
		Dieldrin	1	0	97
		Dimite	1	0	104
		Folpet	1	0	102
		Kelthane	1	0	104
		Malathion	2	1	74
		Methoxychlor	1	0	100
		Rotenone	1	0	104
		Sevin	2	0	99
		Silvex	1	0	101
		Sulfur	1	0	100
		Zineb	3	0	99
Aero-Dyne Corp.	1	Vapona	1	0	107
Agrico Chemical Co.	3	Thiram	2	1	81
		Sevin	1	0	102
Agricultural Products Co.	6	Captan	2	0	101
		Chlordane	1	0	102
		Folpet	1	0	101
		Malathion	3	0	103
		Methoxychlor	1	0	105
		Rotenone	1	0	86
		Sevin	3	0	99
		Sulphur	1	0	100
		Zineb	1	0	96
Agway, Inc.	20	Captan	3	0	100
		Chlordane	2	0	102
		Dachtal	2	0	103
		Diazinon	1	0	103
		Dieldrin	1	0	101
		Ferbam	1	0	100
		Folpet	1	0	99
		Kelthane	2	0	106
		Malathion	6	0	101
		Methoxychlor	4	0	103
		Prometone	2	0	105
		Rotenone	1	0	106
		Sevin	4	1	92
		Amchem Products, Inc.	9	Amiben	1
Amitrol	4			0	111
Arsenic	1			0	104
2,4-D + 2,4,5-T	1			0	103
2,4-D + Dicamba	1			0	113
Silvex	1			0	117
American Cyanamid Co.	2	Cygon	2	0	102
Arlan's Department Stores	1	Pyrethrins	1	0	100
Asgrow Mandeville Co.	1	2,4-D + Silvex	1	0	108
Black Leaf Products Co.	8	Chlordane	1	1	77

Connecticut Experiment Station

Bulletin 734

Pesticides

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Black Leaf Products Co. (Cont.)		Diazinon	1	0	104
		Dieldrin	1	0	97
		2,4-D + Dicamba	1	0	105
		DiSyston	1	0	99
		Rotenone	1	0	103
		Sevin	1	0	103
		Silvex	1	0	100
Bonide Chemical Co.	17	Captan	4	0	99
		Chlordane	1	0	110
		DDT	2	0	98
		DiSyston	1	0	99
		Folpet	1	0	99
		Kelthane	1	0	100
		Malathion	3	0	108
		Maneb	1	0	104
		Methoxychlor	3	0	102
		Sevin	5	1	100
Boyle-Midway	3	Eptam	1	0	120
		Metaldehyde	2	0	97
Chemical Formulators	1	Methoxychlor	1	0	100
Chevron Chemical Co.	24	Arsenic	1	0	98
		Captan	3	0	105
		Chlordane	2	0	101
		2,4-D + Silvex	1	0	103

		Diazinon	2	0	101
		DiSyston	2	1	83
		Folpet	2	0	100
		Guthion	1	0	106
		Lindane	2	0	101
		Malathion	2	0	107
		Metaldehyde	1	0	95
		Methoxychlor	2	0	102
		Prometone	1	0	104
		Rotenone	1	0	102
		Sevin	3	0	104
		Siduron	1	0	108
		Sulfur	1	0	100
		Trifluralin	2	0	132
Cook Chemical Co.	1	Pyrethrins	1	0	100
Ross Daniels	1	DiSyston	1	0	95
The d-Con Co.	2	Chlordane	2	0	111
The Dow Chemical Co.	1	Dalapon	1	0	100
E. I. Du Pont de Nemours & Co.	3	Thiram	1	0	102
		Methoxychlor	2	0	101
Eastern States Farmers Exchange	1	Simazine	1	0	101
Elanco Products Co., Division of Eli Lilly & Co.	10	Balan	2	0	103
		2,4-D + MCPP	2	1	82
		DiSyston	1	0	106
		MetaSystox-R	1	0	112
		Methoxychlor	1	0	101
		Siduron	1	0	107
		Trifluralin	4	0	105

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims		
Faesy & Besthoff	6	Chlordane	1	0	109	Connecticut Experiment Station	
		Dyrene	2	0	62		
		Malathion	1	0	101		
		Sevin	2	0	102		
Farmingdale Garden Labs	12	Arsenic	2	0	103		Bulletin 734
		Captan	1	0	100		
		Chlordane	2	0	103		
		Folpet	1	0	102		
		Kelthane	1	0	97		
		Lindane	1	0	100		
		Malathion	3	0	101		
		Metaldehyde	1	0	102		
		Methoxychlor	1	0	105		
		Prometone	1	0	98		
		Rotenone	1	0	101		
		Sevin	2	0	101		
		Sulfur	1	0	102		
Farnam Companies	2	Rotenone	2	0	126		
Federal Chemical Co.	1	Siduron	1	1	47		
W. T. Grant Co.	5	Chlordane	1	0	97		
		2,4-D	1	0	104		
		DiSyston	1	0	113		
		Malathion	1	0	101		
		Sevin	1	0	101		
The Great Atlantic & Pacific Tea Co.	2	Dachtal	1	0	100		
		DiSyston	1	0	85		
		Trifluralin	1	0	104		
The Charles C. Hart Seed Co.	2	2,4-D	1	0	108		
		2,4-D + Silvex	1	0	112		
Hartz Mountain Products	1	Sevin	1	0	101		
Heritage House Products (Diamond Shamrock Corp.)	4	Arsenic	1	0	107		
		Chlordane	1	0	147		
		Daconil	1	0	99		
		DDT	1	0	96		
		MetaSystox-R	1	0	98		
		Sevin	1	0	103		
Hess & Clark, Division of Richardson-Merrell	1	Rotenone	1	0	140		
A. H. Hoffman	2	DiSyston	1	0	105		
		Trifluralin	1	0	102		
S. C. Johnson & Son	1	Pyrethrins	1	0	100		
Kerr-McGee Chemical	2	Chlordane	2	1	78		
S. S. Kresge Co.	1	Sevin	1	0	100		
Lebanon Chemical	2	Dachtal	1	1	75		
		Siduron	1	1	66		
LeGear, Division of O'Neal, Jones & Feldman	1	Methoxychlor	1	1	100		
Loft's Pedigreed Seed Co.	2	Diazinon	1	0	101		
		2,4-D + Silvex	1	0	114		

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
The Murphy Chemical Co.	1	Metaldehyde	1	0	100
Nassau Garden	6	Dachtal	2	2	78
		Sevin	1	0	99
		Thiram	2	0	103
		Trifluralin	1	0	103
Nott Manufacturing Co.	2	Kelthane	1	0	99
		Thiram	1	0	100
Old Fox Chemical Co.	1	Siduron	1	0	113
Olin Corp.	1	Pentachloronitrobenzene	1	0	101
Parrott Chemical Co.	12	Captan	3	0	99
		Chlordane	2	0	101
		Dichlone	1	0	89
		Malathion	3	0	99
		Methoxychlor	2	0	100
		Rotenone	3	0	100
		Sevin	3	0	100
		Sulphur	1	0	104
Charles Pfizer & Co.	1	Rotenone	1	0	93
B. G. Pratt	15	Captan	1	0	93
		Chlordane	1	0	101
		Diazinon	1	0	97
		Folpet	1	0	104
		Kelthane	3	0	94
		Lindane	4	1	100
		Malathion	3	1	89
		Maneb	2	0	100
		MetaSystox	1	0	113
		Methoxychlor	4	0	99
		Rotenone	2	0	100
		Sevin	3	0	102
Ralston Purina	6	Lindane	1	0	96
		Methoxychlor	2	0	109
		Prometone	1	0	116
		Sevin	2	0	103
		Sulfur	1	0	100
		Trifluralin	1	0	95
Rhodia, Inc., Chipman Division	1	Phosalone	1	0	102
Rockland Chemical Co.	6	2,4-D + Silvex	1	0	114
		DDT	1	0	102
		Dursban	1	0	100
		Ferbam	1	0	101
		Malathion	1	1	73
		Maneb	1	1	71
		Methoxychlor	1	0	116
		Sevin	1	0	105
Rohm & Haas	1	Kelthane	1	0	102
Seacoast Laboratories	11	Balan	1	0	110
		Chlordane	2	0	105
		Dachtal	1	0	101
		Diazinon	1	0	98

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Seacoast Laboratories (Cont.)		Folpet	1	0	99
		Lindane	1	1	81
		Methoxychlor	1	0	102
		Sevin	1	0	102
		Thiram	1	0	99
		Zineb	1	0	98
Sears, Roebuck & Co.	17	Arsenic	2	0	99
		Azak	2	0	98
		Captan	1	0	100
		Chlordane	2	0	104
		2,4-D	1	0	124
		2,4-D + Silvex	1	0	108
		DiSyston	1	0	87
		Erbon	1	0	96
		Malathion	2	0	97
		Maneb	1	0	100
		Metaldehyde	1	0	102
		Methoxychlor	1	0	100
		Rotenone	1	0	123
		Sevin	2	0	108
		Trifluralin	2	0	107
		Zineb	1	0	101
Science Products Co.	3	Captan	1	0	107
		Malathion	1	0	104
		Methoxychlor	2	0	102
		Sevin	1	0	100
O. M. Scott & Sons	8	Arsenic	2	0	104
		2,4-D + MCP	2	0	100
		Polychlorobicyclo- pentadiene isomers	1	0	103
		Thiram	3	0	98
Shell Chemical Co.	3	Ciodrin	1	0	98
		Vapona	2	0	103
Smith-Douglass, Division of Borden Chemical Co.	4	2,4-D + Silvex	1	0	106
		DiSyston	3	0	104
		Trifluralin	1	0	108
Spartans Industries	7	Arsenic	1	0	97
		Chlordane	2	0	109
		2,4-D	1	0	84
		2,4-D + Silvex	1	0	95
		Malathion	1	0	100
		Sevin	1	0	104
Stauffer Chemical Co.	2	Captan	1	0	99
		Ovex	1	0	99
Swift Agricultural Chemicals	5	Dachtal	1	0	100
		Maneb	1	1	62
		Sevin	4	2	70
Swift & Co., Agrichem Division	1	Prometone	1	0	110
USS Agri-Chemical, Division of US Steel	4	Balan	1	0	98
		Chlordane	1	0	125
		DiSyston	1	0	98

	No of. Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
USS Agri-Chemical, Division of US Steel (Cont.)		Siduron	1	1	71
		Trifluralin	1	0	88
Vaporette Chemical Corp.	1	Vapona	1	0	101
Vigoro	1	2,4-D	1	0	136
F. W. Woolworth Co.	4	Carbaryl	1	0	100
		2,4-D	1	0	105
		Folpet	1	0	100
		Kelthane	1	0	99
		Malathion	2	0	99
		Maneb	1	0	97
		Sevin	1	0	110



THE CONNECTICUT  
AGRICULTURAL EXPERIMENT STATION  
NEW HAVEN, CONNECTICUT 06504

*Paul E. Waggoner*  
Director

PUBLICATION

BULLETIN 734  
APRIL 1973

POSTAGE PAID  
U.S. DEPARTMENT OF  
AGRICULTURE  
AGR 101



Founded in 1875 — First Station in the Nation