

BULLETIN 778

MAY 1979

1978 INSPECTIONS OF

**FERTILIZER
PESTICIDE
AND FEED
PRODUCTS**

J. Gordon Hanna

1978 Inspections of
Fertilizer, Pesticide and Feed Products

Data obtained by chemical analysis of officially collected samples of commercial feeds, fertilizers and pesticide formulations are contained in this report. The tables show the number of samples from each manufacturer (in parenthesis), the number of determinations made for each guaranteed ingredient, the number of deficiencies, and the average percent of claims for each component.

The deficiencies noted for feeds samples are based on the permitted variations recommended by the Association of American Feed Control Officials, the investigational allowances for fertilizers are those of the Association of American Plant Food Control Officials, and the permissive guarantee variations suggested by the Association of American Pesticide Control Officials are used for pesticide formulations.

Data for 424 samples of feed representing 70 manufacturers, 346 samples of fertilizer representing 49 manufacturers and 288 samples of pesticide representing 53 manufacturers are summarized.

The feed and fertilizer laws are administered by the Commissioner of Agriculture. The pesticide law is under the direction of the Commissioner of Environmental Protection.

Analytical work was by R. Botsford, M. Fuzesi, W. Glowa, R. Hastings, H. Kocaba, M. Pyles, S. Squires and G. Wilmes. The report was assembled and typed by C. Peet.

J. Gordon Hanna, Chief Chemist

Feed Manufacturer	Number of Claims				Number Not Met			Average % of Claims		
	Protein	Fat	Fiber	Total	Protein	Fat	Fiber	Protein	Fat	Fiber
Agway (92)	92	91	91	274	0	1	0	113	127	61
Alfa-Pet, Inc. (3)	3	3	3	9	2	0	0	121	200	68
Allen Products Co. (4)	4	4	4	12	0	1	0	122	107	56
Allied Foods, Inc. (2)	2	2	2	6	0	0	0	122	260	62
Allied Mills, Inc. (16)	16	16	16	48	0	0	0	110	138	59
Aquarium Stock Co. (1)	1	1	1	3	0	0	0	105	116	15
Aquatrol (1)	1	1	1	3	1	1	0	71	76	114
Armitage Bros., Ltd. (2)	2	2	2	6	1	0	0	104	272	32
Best Feeds & Farm Supplies (1)	1	1	1	3	0	0	0	102	109	95
Bloomfield Farmers Exchange (2)	2	2	2	6	0	0	0	113	119	64
Cadillac Pet Foods, Inc. (5)	5	5	5	15	0	0	0	114	119	56
Carbone Corp. (1)	1	1	1	3	0	0	0	128	105	59
Carnation Co. (56)	56	56	56	168	1	3	1	109	142	60
Central Conn. Co-op. (2)	2	1	1	4	0	0	0	123	118	62
Champion Valley Farms (6)	6	6	6	18	0	0	0	111	153	48
Dahlgren & Co. (1)	1	1	1	3	0	0	0	139	128	66
D & D Suet Seed Co. (1)	1	1	1	3	0	0	0	110	94	22
Deep Run Packing Co. (3)	3	3	3	9	0	0	0	114	110	42
Delta Pet Products (1)	1	1	1	3	0	0	0	130	104	97
Derby Feed Co. (1)	1	1	1	3	0	0	0	100	146	44
Eight In One Pet Prod. (2)	2	2	2	6	0	0	0	115	131	54
John W. Eshelman & Sons (10)	10	10	10	30	1	0	1	105	259	170
Farm Bureau Brand Feed (2)	2	2	2	6	0	0	0	116	135	59
R. T. French Co. (1)	1	1	1	3	0	0	0	80	606	32
Friend-Chips Products (1)	1	1	1	3	0	0	0	105	124	40
General Food Corp. (4)	4	4	4	12	0	0	0	113	154	38
Geisler Pet Products, Inc. (9)	9	9	9	27	2	0	0	123	411	52
Roy Goff & Co. (2)	2	2	2	6	0	0	0	116	173	71
Gro-Kote, Inc. (4)	4	4	4	12	0	0	1	105	176	127
HapEE Pet Food Co. (1)	1	1	1	3	0	0	0	107	117	45
Hardley Products Co., Inc. (1)	1	1	1	3	0	0	0	110	113	31
Hart Seed Co. (1)	1	1	1	3	0	0	0	101	107	32
Hartz Mountain Corp. (10)	10	10	10	30	3	2	0	100	286	73
Hyde Bird Feed Co. (1)	1	1	1	3	0	0	0	119	104	93
Kal Kan Foods (6)	6	6	6	18	0	1	0	119	125	23
K & L Feed Mill Corp. (10)	10	10	10	30	1	1	0	106	108	61
Kordon Corp. (1)	1	1	1	3	1	0	1	86	101	138
LaCrosse Milling Co. (1)	1	1	1	3	0	0	0	98	110	59
Liva-Snap, Inc. (1)	1	1	1	3	0	0	0	106	201	48

Feed Manufacturer	Number of Claims				Number Not Met			Average % of Claims			
	Protein	Fat	Fiber	Total	Protein	Fat	Fiber	Protein	Fat	Fiber	
Maple Leaf Mills Co., Ltd (1)	1	1	1	3	0	0	0	110	229	71	
MetaFrame Corp. (3)	3	3	3	9	0	0	0	137	278	36	
Milk Specialties Co. (1)	1	1	1	3	0	0	0	100	102	250	
Miller-Morton Co. (1)	1	1	1	3	0	0	0	113	117	47	
Nabisco, Inc. (3)	3	3	3	9	1	0	0	107	145	56	
New England Fish Co. (3)	3	3	3	9	0	0	0	121	308	28	
L. M. Newfields Co., Inc. (1)	1	1	1	3	0	0	0	122	117	114	
Oasis Pet Products (2)	2	2	2	6	0	0	0	124	127	58	
October Farms (1)	1	1	1	3	0	0	0	113	112	53	
Old Mother Hubbard Dog Food (1)	1	1	1	3	0	0	0	116	119	105	
Peekskill Pet Supply (4)	1	1	1	3	0	0	0	288	111	106	
Pet Towne Products (2)	2	2	2	6	0	0	0	124	216	53	
Perk Foods Co. (1)	1	1	1	3	0	0	0	107	226	61	
Quaker Oats Co. (1)	1	1	1	3	0	0	0	107	131	39	
Ralston Purina Co. (17)	17	17	17	51	1	0	0	113	145	31	
Riviana Foods, Inc. (3)	3	3	3	9	0	0	0	122	125	87	
Rytman Grain Co., Inc. (5)	5	5	5	15	2	0	1	101	99	91	
San Francisco Seamaster (1)	1	1	1	3	0	1	0	99	32	36	
Source, Inc. (3)	0	0	0	0	-	0	0	-	-	-	
Spirit Pet Products (2)	2	2	2	6	2	0	2	84	109	538	
Stanford Seed Co. (4)	4	4	4	12	0	0	1	125	169	75	
Suburban Plastics, Inc. (1)	1	1	1	3	1	1	0	95	23	57	
Superior Pet Products, Inc. (2)	2	2	2	6	0	0	0	108	103	8	
Tetra Sales Corp. (3)	3	3	3	9	0	0	0	113	159	33	
Thermovac Industries (2)	2	2	2	6	0	0	0	108	119	6	
Triumph Pet Industries (2)	2	2	2	6	0	1	0	108	61	77	
United Co-op Farmers, Inc. (17)	17	17	17	51	1	0	1	106	126	74	
VoToys, Inc. (3)	3	3	3	9	1	0	1	92	546	81	
Wakefern Food Corp. (17)	17	17	17	51	2	0	0	114	144	41	
H. K. Webster Co., Inc. (46)	46	46	46	138	2	0	0	107	134	64	
Whitney Fidalgo Seafoods (2)	2	2	2	6	0	0	0	113	222	27	
	(424)	418	416	416	1250	26	13	10	111	158	64

Percent of claims deficient: 3.9

Fertilizer Manufacturer	Number of Claims			Number Not Met		Average % of Claims	
	N	P ₂ O ₅ ⁺		N	P ₂ O ₅ ⁺	N	P ₂ O ₅ ⁺
		K ₂ O	Total		K ₂ O		K ₂ O
Agrico (30)	27	50	77	4	16	104.5	99.7
Agricultural Products Co. (3)	3	6	9	0	0	103.0	117.0
Agway (7)	7	12	19	0	0	101.0	127.2
Atlas Fish Fertilizer (1)	1	2	3	0	0	105.6	141.0
Cadwell & Jones (39)	37	67	104	11	21	98.6	99.6
Chamberlin & Barclay, Inc. (3)	3	6	9	2	1	60.8	130.3
Chevron Chemical Co. (28)	26	52	78	0	3	105.1	104.7
Chilean Nitrate Sales Corp. (2)	2	0	2	0	-	101.3	-
Clinton Nursery Products (14)	14	28	42	0	1	118.8	147.2
Continental Peat Co. (3)	3	6	9	0	0	109.3	201.2
Crestline International (3)	3	6	9	1	3	145.3	108.4
D. H. & R. Co., Inc. (4)	4	8	12	1	2	107.6	101.0
Downy Hollow Farm (1)	1	2	3	1	0	74.3	100.2
The Espoma Co. (12)	12	24	36	0	0	125.9	133.6
Faesy & Besthoff, Inc. (3)	3	0	3	0	-	117.0	-
Fer-Mel Corp. (4)	4	7	11	0	2	111.9	101.2
Green Thumb Products Corp. (1)	1	2	3	0	0	132.0	112.4
Chas. C. Hart Seed Co. (3)	3	6	9	0	0	124.9	113.3
H & M Fertilizer (1)	1	2	3	0	0	108.5	107.3
A. H. Hoffman (4)	4	7	11	0	2	129.5	113.3
The Hyponex Co., Inc. (6)	6	12	18	0	0	112.5	108.3
The Hy-Trous Corp. (3)	3	6	9	0	0	116.2	116.0
International Spike Co. (1)	1	2	3	1	1	89.6	125.5
Kerr-McGee Corp. (24)	21	42	63	3	18	96.3	98.6
Lebanon Chemical Co. (26)	26	51	77	0	1	112.1	116.6
Leisure Group, Inc. (2)	2	4	6	1	2	125.5	111.9
The Libner Corp. (3)	3	6	9	1	2	130.3	104.3
3M Corporation (6)	6	12	18	0	0	111.8	106.4
Old Fort Industries (1)	1	2	3	0	0	140.0	126.5
Old Fox (18)	16	32	48	7	14	89.2	91.3
Robert Peters Co., Inc. (1)	1	2	3	0	0	110.1	106.7
Plantabbs Corp. (6)	6	12	18	0	0	112.0	109.6

Fertilizer Manufacturer	Number of Claims			Number Not Met		Average % of Claims	
	P2O5+			P2O5+		P2O5+	
	N	K2O	Total	N	K2O	N	K2O
RaPid-Gro Corp. (4)	4	8	12	0	0	102.3	102.0
Judd Ringer Corp. (3)	3	6	9	0	1	116.1	109.8
Rockland Chemical Co., Inc. (2)	2	4	6	1	2	109.4	104.2
Ross Plant Food (1)	1	2	3	0	0	99.3	110.0
Royster Co. (2)	2	4	6	0	0	112.2	123.5
Schultz Co. (2)	2	4	6	0	1	106.8	99.6
O. M. Scott & Sons (6)	6	12	18	0	0	100.8	113.2
Sewerage Commission of Mil. (1)	1	1	2	1	1	17.7	63.0
Sierra Chemical Co. (3)	3	6	9	0	0	109.5	125.9
Stanford Seed Co. (3)	3	6	9	1	1	110.9	106.9
Stern's Nurseries, Inc. (6)	6	12	18	1	1	103.6	104.9
Stim-U-Plant (2)	2	4	6	0	1	115.5	99.9
Swift Chemical Co. (11)	11	22	33	0	2	107.8	112.7
Swiss Farms, Inc. (11)	11	22	33	0	0	124.0	114.4
United, Div. Diamond Salt (1)	1	2	3	0	0	109.8	106.6
Venturi, Inc. (1)	1	0	1	0	-	180.0	-
Vigoro (2)	2	4	6	0	3	124.0	65.5
(324)	312	595	907	37	102	107.5	110.1

Percent of claims deficient: 15.3

Manufacturer	Secondary and Minor Elements			Average % Of Claims
	Element Claimed	Number Of Claims	Number Not Met	
Agrico (1)	Magnesium	1	0	122
Agway (1)	Magnesium	1	0	167
	Zinc	1	0	210
Chevron (8)	Aluminum	1	0	109
	Boron	2	0	250
	Calcium	4	0	300
	Copper	1	0	92
	Iron	5	0	510
	Magnesium	4	0	281
	Manganese	4	0	386
	Zinc	5	0	264
D.H.&R. Co. (1)	Iron	1	0	96
Lebanon (1)	Iron	1	0	108
3M Corp. (1)	Boron	1	0	91
Plantabbs Corp. (3)	Iron	3	1	67
Stern's (1)	Iron	1	0	110
Swift (2)	Iron	2	0	145
Venturi (1)	Copper	1	0	308
	Iron	1	0	112
	Magnesium	1	0	176
	Zinc	1	0	126
Vigoro (2)	Iron	2	2	72
(22)		44	3	243

Percent of claims deficient: 6.8

Mixed Fertilizer Distribution

Tonnages of Fertilizer Materials and Mixed
Fertilizers Purchased During the Period of
July 1, 1977 - June 30, 1978

July 1, 1977 - June 30, 1978

Grade	Tons		
		Chemical Nitrogen	
		Ammonium Nitrate	111
		Ammonium Sulfate	2
0-10-40	83	Calcium Nitrate	120
0-15-30	285	Nitrate of Soda	43
2-1-2	504	Nitrogen Solutions (28%)	711
4-10-6	19	(30%)	104
5-10-5	978	(32%)	63
		Urea	3,662
5-10-10	2,558	Urea-formaldehyde	187
7-7-7	48	Other Nitrogen Materials 15%	1
10-6-4	2,765		<u>5,004</u>
10-10-10	6,351	Organics	
10-20-10	569	Blood Meal	2
		Castor Pomace	196
10-20-20	582	Compost	3,419
12-4-8	127	Cottonseed Meal	49
15-15-15	546	Dried Manures	575
15-30-15	28	Linseed Meal	12
18-6-6	49	Sewage Sludge	961
		Other Organics	1
20-5-10	161		<u>5,215</u>
20-10-5	72	Phosphates	
20-10-10	349	Ammonium Phosphate	1,697
20-12-8	59	Bonemeal	31
20-20-20	7	Dicalcium Phosphate	2,438
		Phosphate Rock	4
24-4-8	551	Superphosphate 20%	94
25-5-10	216	Superphosphate 40%	427
26-3-3	2,310	Other Phosphate Material	55
26-4-6	105		<u>4,746</u>
32-0-0	175	Potash	
		Carbonate of Potash	17
Miscellaneous*	23,610	Muriate of Potash	2,507
		Nitrate of Potash	38
Total	43,197	Sulfate of Potash-magnesia	2
		Other Potassium Materials 44%	5
			<u>2,569</u>
		Secondary and Micronutrients	
		Aluminum Sulfate	2
		Borax	17
		Copper Sulfate	1
		Gypsum	80
		Iron	1
		Magnesia	6
		Manganese	1
		Zinc	5
			<u>113</u>
		Total	17,647
		Commercial Mixtures	<u>43,197</u>
		Total	60,844

*Small amounts or reported by
fewer than three manufacturers

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Pesticide Manufacturer	Pesticide	Number Of Claims	Number Not Met	Average % Of Claims	
Agricultural Products Co. (4)	Captan	2	0	100	
	Carbaryl	3	0	103	
	Folpet	1	0	101	
	Malathion	3	0	101	
	Methoxychlor	1	0	106	
	Sulfur	1	0	102	
	Zineb	1	0	101	
Air Shields, Inc. (1)	Quaternary ammonium compounds	1	0	133	
Ambion Corporation (3)	o-Benzyl-p-chloro- phenate	1	0	99	
	o-Phenylphenate	1	0	86	
	Quaternary ammonium compounds	2	0	99	
Amchem Products, Inc. (4)	Amitrole	2	0	100	
	2,4-D	1	0	102	
	2,4-D, dicamba	1	0	103	
Black Leaf Products Co. (23)	Captan	3	0	102	
	Carbaryl	7	0	103	
	Chlordane	1	0	103	
	2,4-D	1	0	108	
	2,4-D+dicamba	1	0	108	
	2,4-D+silvex	1	0	102	
	Diazinon	2	0	104	
	Folpet	1	0	116	
	o-Isopropoxyphenyl methylcarbamate	1	1	71	
	Karathane	1	0	96	
	Kelthane	1	0	108	
	Lindane	1	0	105	
	Malathion	4	1	95	
	Maneb	2	0	100	
	Metaldehyde	1	0	98	
	Metasystox R	1	0	102	
	Methoxychlor	4	0	103	
	N-Octylbicycloheptene dicarboximide	1	0	106	
	Piperonyl butoxide	2	0	98	
	Pyrethrins	2	0	99	
	Rotenone	1	0	101	
	Bonide Chemical Co. (27)	Ammonium sulfamate	1	0	101
		Benomyl	1	0	99
2-Butoxy-2'-thiocyanodi- ethyl ether		2	0	106	
Cadmium chloride		1	1	85	

Pesticide Manufacturer	Pesticide	Number Of Claims	Number Not Met	Average % Of Claims	
Bonide Chemical Co. (27)	Captan	2	0	103	
	Carbaryl	7	0	103	
	Chlordane	2	0	108	
	Chlorpyrifos	1	0	102	
	Copper	2	0	97	
	2,4-D+silvex	1	0	104	
	Diazinon	1	0	104	
	Folpet	3	0	100	
	Kelthane	2	0	99	
	Malathion	5	0	102	
	Maneb	1	0	102	
	Methoxychlor	3	0	103	
	N-Octylbicycloheptene dicarboximide	1	0	107	
	Piperonyl butoxide	3	0	89	
	Pyrethrins	3	0	106	
	Rotenone	2	0	97	
	Thiram	2	1	49	
	Boyle-Midway (1)	2-Hydroxyethyl-n-octyl sulfide	1	0	101
		Resmethrin	1	0	100
The Charger Corporation (4)	Chlorophenols	3	0	105	
	Copper	1	0	100	
Chemagro Agricultural Div. (2)	Carbofuran	1	0	100	
	O,S-Dimethyl phosphoramidothioate	1	0	103	
Chevron (24)	Acephate	1	0	105	
	Captan	4	0	120	
	Carbaryl	4	0	103	
	2,4-D+2(2-methyl-1,4- chlorophenoxy) propionic acid	1	0	105	
	Diazinon	2	0	100	
	Dimethyltetrachloro- terephthalate	2	0	104	
	Dodecylammonium arsonate+octylammonium arsonate	1	0	104	
	Dursban	1	0	99	
	Folpet	1	0	103	
	Kelthane	3	0	102	
	Lindane	1	0	104	
	Malathion	2	0	103	
	Mesurool	1	0	105	
Metaldehyde	1	0	124		

Pesticide Manufacturer	Pesticide	Number Of Claims	Number Not Met	Average % Of Claims
Chevron (24)	Metasystox R	1	0	102
	Methoxychlor	2	0	101
	N-Octylbicycloheptene dicarboximide	1	0	112
	Pentachlorophenol	1	0	103
	Piperonyl butoxide	1	0	100
	Prometon	1	0	101
	Pyrethrins	1	0	96
	Resmethrin	1	0	113
	Rotenone	1	0	101
	Ciba-Geigy Corporation (5)	Diazinon	4	0
Simazine		1	0	101
Clinipad Corporation (1)	Quaternary ammonium compounds	1	0	115
Contact Industries (6)	Methylnonyl ketone	6	1	92
Cosmetic Manufacturing Corp. (1)	Bug Bait	0	-	-
Crystalab, Inc. (3)	Quaternary ammonium compounds	3	0	121
The d-Con Co., Inc. (4)	d-trans-Allethrin	1	0	96
	2-Hydroxyethyl-n- octyl sulfide	1	0	102
	N-Octylbicycloheptene dicarboximide	3	0	104
	Piperonyl butoxide	3	0	106
	Pyrethrins	2	0	102
	Resmethrin	1	0	102
	Dexol Industries (1)	Methoprene	1	0
Resmethrin		1	0	101
Diamond Shamrock Corp. (1)	Dacthal	1	0	101
C. B. Dolge Co. (37)	Arsenic, water soluble	1	0	98
	o-Benzyl-p-chloro- phenol	7	0	102
	2,4-D	1	0	101
	2,4-D+2(2-methyl-4- chlorophenoxy) propionic acid	1	0	95
	Diazinon	3	0	100
	Isopropanol	7	0	106
	o-Isopropoxyphenyl methyl carbamate	3	0	108

Pesticide Manufacturer	Pesticide	Number Of Claims	Number Not Met	Average % Of Claims
C. B. Dolge Co. (37)	Malathion	1	0	99
	Monuron trichloro- acetate	2	0	103
	N-Octylbicycloheptene dicarboximide	6	0	109
	o-Phenylphenol	4	0	107
	Piperonyl butoxide	11	0	109
	Pyrethrins	6	0	106
	Quaternary ammonium compounds	3	0	95
	Dow Chemical Co. (5)	Chlorpyrifos	4	0
Picloram		1	0	97
2,4,5-T		1	0	101
Empire Exterminating Co. (1)	Chlordane	0	-	-
	Heptachlor	0	-	-
Faesy & Besthoff, Inc. (2)	Carbaryl	1	0	100
	Naphthalene	1	0	98
Farnum Companies (3)	N-Octylbicycloheptene dicarboximide	3	0	106
	Piperonyl butoxide	3	0	103
	di-n-Propyl isocinchomeronate	3	3	0
	Pyrethrins	3	0	103
	Fisons, Inc. (4)	2,2-Dimethyl-1,3- benzodioxol-4-ol- methylcarbamate	4	0
FMC Corporation (6)	Endosulfan	1	0	101
	Malathion	4	4	25
	Sevin	5	0	103
	Zineb	5	0	95
PBI/Gordon Corporation (11)	Carbaryl	3	0	101
	Chlorpyrifos	1	0	98
	2,4-D+dicamba+			
	2(2-methyl-4-chloro phenoxy) propionic acid	1	0	111
	Dodecylammonium methanearsonate+			
	methanearsonate	1	0	99
	Malathion	1	0	102
	Methylnonyl ketone	1	0	111

Pesticide Manufacturer	Pesticide	Number Of Claims	Number Not Met	Average % Of Claims
PBI/Gordon Corporation (11)	Piperonyl butoxide	1	0	104
	Resmethrin	1	0	120
Hubbard Hall Chemical Co. (3)	Malathion	1	0	102
	Sodium hypochlorite	2	2	63
Hub State Corporation (1)	Dursban	1	0	108
	Vanona	1	0	121
J. M. Company (2)	Boric acid	2	0	102
S. C. Johnson & Son, Inc. (4)	d-trans-Allethrin	1	0	103
	Baygon	2	0	97
	2-Hydroxyethyl-n-octyl sulfide	1	0	102
	Piperonyl butoxide	1	0	110
	Pyrethrins	1	0	100
	Resmethrin	1	0	93
	H. Krevit & Co. (2)	Sodium hypochlorite	2	2
McKesson Laboratories (2)	Oil of Citronella	0	-	-
Modern Pool Products, Inc. (5)	Calcium hypochlorite	2	0	99
	Diclone	2	0	102
	Quaternary ammonium compounds	1	0	95
Northeast Pest Control, Inc. (1)	Diazinon	0	-	-
Parrott Chemical Co. (1)	Malathion	1	0	105
	Methoxychlor	1	0	103
Pest Control Products of Ct. (1)	0,0-Diethyl-0-(2-isopropyl-4-methyl-6-pyrimidinyl) phosphoro thioate	1	0	102
	Piperonyl butoxide	1	0	101
	Pyrethrins	1	0	115
B. G. Pratt (12)	Carbaryl	1	0	104
	Chlordane	1	0	91
	Cygon	1	0	102
	4,6-Dichloro-N(2-chlorophenyl)-1,3-triazine-2-amine	1	0	102
	0,0-Diethyl-S-[2(ethylthioethyl)] phosphoro-dithioate	1	0	99

Pesticide Manufacturer	Pesticide	Number Of Claims	Number Not Met	Average % Of Claims	
B. G. Pratt (12)	o-Isopropoxyphenyl methyl carbamate	2	2	76	
	Kelthane	1	0	99	
	Piperonyl butoxide	1	0	98	
	Pyrethrins	2	0	97	
	Resmethrin	1	0	104	
	Rotenone	1	0	103	
	Ralston Purina Co. (12)	Captan	2	0	104
Carbaryl		4	0	102	
Chlorpyrifos		3	0	101	
Diazinon		1	0	103	
Malathion		3	2	87	
Methoxychlor		2	0	103	
N-Octylbicycloheptene dicarboximide		2	0	138	
Piperonyl butoxide		3	0	102	
Pyrethrins		2	0	100	
Trifluralin		1	0	86	
Zineb		1	0	105	
Residex Corporation (3)		Chlorpyrifos	1	0	99
		Dursban	2	0	101
Rite Off, Inc. (9)	Chlorpyrifos	3	0	107	
	Piperonyl butoxide	9	0	96	
	Pyrethrins	9	0	102	
Rohm and Haas (2)	Azinphos	1	0	101	
	Manganese	1	0	106	
	Zinc	1	0	140	
Roebic Laboratories, Inc. (2)	Copper sulfate	2	0	101	
Sanitary Products Corporation (6)	Quaternary ammonium compounds	6	0	99	
Seacoast Laboratories, Inc. (1)	Diazinon	1	0	101	
Sentinel Chemical Corporation (2)	Sodium dithiocarba- mates	2	0	97	
Stauffer Chemical Co. (1)	Captan	1	0	102	
Swift Chemical Co. (6)	Captan	1	0	100	
	Carbaryl	3	0	103	
	Malathion	2	0	105	
	Maneb	1	0	98	

Pesticide Manufacturer	Pesticide	Number Of Claims	Number Not Met	Average ^{of} Of Claims
Swift Chemical Co. (6)	Rotenone	2	0	118
	Sulfur	1	0	105
	Zineb	1	0	102
Terminex Corporation (4)	Diazinon	1	1	31
	Sevin	3	0	98
Union Carbide Corp. (2)	Carbaryl	2	0	110
Upjohn Company (2)	Botran	1	0	102
	Diphenamid	1	0	101
Uniroyal Chemical Co. (4)	Omite	1	0	101
	Propargite	3	0	100
Velsicol Chemical Corp. (10)	Chlordane	10	0	101
	Heptachlor	2	0	101
Why Not Industries (4)	Diazinon	2	0	109
	o-Isopropylphenyl methylcarbamate	2	0	103
	N-Octylbicycloheptene dicarboximide	2	0	107
	Piperonyl butoxide	4	0	99
	Pyrethrins	4	0	101
	(288)		434	21

Percent of claims deficient: 4.8