

BULLETIN 784

JULY 1980

1979 INSPECTIONS OF

**FERTILIZER
PESTICIDE
AND FEED
PRODUCTS**

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1979 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 438 samples of feed representing 44 manufacturers, 412 samples of fertilizer representing 34 manufacturers and 224 samples of pesticide representing 46 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 M. Fuzesi, W. Glowa, R. Hastings, M.A. Illig, H. Kocaba, M. Pyles, and S. Squires. The report was assembled and typed by S. Cwirka.

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 (69) | 69 | 68 | 68 | 205 | 1 | 0 | 0 | 111 | 129 | 62 |
| Allied Mills (36) | 37 | 37 | 37 | 111 | 1 | 2 | 0 | 107 | 130 | 65 |
| Andersen Farm Supply (1) | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 124 | 225 | 75 |
| Best Feeds & Farm Supplies (6) | 6 | 6 | 6 | 18 | 0 | 0 | 0 | 110 | 137 | 61 |
| Bloomfield Farmers Exchange (2) | 2 | 2 | 2 | 6 | 0 | 0 | 0 | 113 | 119 | 64 |
| Carnation Co. (43) | 43 | 43 | 43 | 129 | 1 | 3 | 3 | 112 | 134 | 81 |
| Central Conn. Co-Op (19) | 19 | 19 | 19 | 57 | 0 | 0 | 0 | 106 | 131 | 65 |
| Con Agro (1) | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 116 | 100 | 49 |
| Country Foods Div. (12) | 12 | 12 | 12 | 36 | 1 | 0 | 0 | 115 | 128 | 61 |
| Dahlgren and Co. (1) | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 139 | 128 | 66 |
| Davis-Grande, Inc. (4) | 4 | 4 | 4 | 12 | 1 | 0 | 0 | 99 | 128 | 60 |
| 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 |
| Derby Feed Co. (4) | 4 | 4 | 4 | 12 | 1 | 0 | 0 | 98 | 164 | 62 |
| Eastern Animal Food (1) | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 103 | 114 | 74 |
| Evangers Dog & Cat Food Co (3) | 3 | 3 | 3 | 9 | 2 | 1 | 0 | 87 | 90 | 76 |
| Farm Bureau Co-op (13) | 13 | 13 | 13 | 39 | 1 | 4 | 0 | 103 | 111 | 70 |
| Geisler Pet Products (8) | 8 | 8 | 8 | 24 | 1 | 1 | 0 | 127 | 397 | 50 |
| General Foods Corp (2) | 2 | 2 | 2 | 6 | 0 | 0 | 0 | 105 | 117 | 70 |
| Gro-Kote, Inc. (4) | 4 | 4 | 4 | 12 | 0 | 0 | 1 | 105 | 176 | 127 |
| Hap-EE Pet Food (2) | 2 | 2 | 2 | 6 | 1 | 0 | 0 | 101 | 112 | 41 |
| Hardley Products Co (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 (1) | 1 | 1 | 1 | 3 | 1 | 1 | 0 | 82 | 56 | 88 |
| Hyde Bird Feeder (1) | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 110 | 113 | 31 |
| IAMS Food Co. (4) | 4 | 4 | 4 | 12 | 0 | 0 | 0 | 103 | 113 | 70 |
| K & L Mills Corp. (37) | 37 | 37 | 37 | 111 | 7 | 10 | 8 | 101 | 97 | 85 |
| LaCrosse Milling Co. (1) | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 98 | 111 | 59 |
| Mackeys (1) | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 117 | 196 | 28 |
| Maple Leaf Mills (1) | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 111 | 229 | 71 |
| Milk Specialties (1) | 1 | 1 | 1 | 3 | 0 | 0 | 1 | 100 | 102 | 250 |

| Feed Manufacturer | Number of Claims | | | | Number Not Met | | | Average % of Claims | | |
|----------------------------|------------------|-----|-------|-------|----------------|-----|-------|---------------------|-----|-------|
| | Protein | Fat | Fiber | Total | Protein | Fat | Fiber | Protein | Fat | Fiber |
| L.M. Newfields (1) | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 122 | 117 | 114 |
| Old Mother Hubbard (2) | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 116 | 119 | 105 |
| Peekskill Pet Supply (3) | 0 | 0 | 0 | 0 | - | - | - | - | - | - |
| Quaker Oats Co. (2) | 2 | 2 | 2 | 6 | 1 | 0 | 0 | 95 | 135 | 39 |
| Ralston Purina Co. (56) | 56 | 56 | 56 | 168 | 1 | 2 | 0 | 109 | 151 | 72 |
| Riviana Foods, Inc. (5) | 5 | 5 | 5 | 15 | 0 | 0 | 0 | 119 | 125 | 82 |
| Rytman Grain Co. (11) | 11 | 11 | 11 | 33 | 4 | 6 | 0 | 102 | 80 | 83 |
| Stanford Seed Co. (4) | 4 | 4 | 4 | 12 | 0 | 0 | 1 | 125 | 169 | 75 |
| TizWhiz Dist. (1) | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 104 | 106 | 65 |
| Triumph Pet Industries (3) | 3 | 3 | 3 | 9 | 0 | 1 | 0 | 105 | 106 | 65 |
| United Co-op Farmers (16) | 16 | 16 | 16 | 48 | 1 | 0 | 0 | 107 | 142 | 62 |
| VoToys, Inc. (1) | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 100 | 133 | 21 |
| H.K. Webster Co. (49) | 49 | 49 | 49 | 147 | 3 | 0 | 0 | 105 | 132 | 61 |
| (438) | 435 | 434 | 434 | 1303 | 29 | 31 | 14 | 108 | 134 | 69 |

Percent of claims deficient: 5.7

| Fertilizer Manufacturer | Number of Claims | | | Number Not Met | | Average % of Claims | |
|----------------------------|------------------|--|-------|----------------|--|---------------------|--|
| | N | P ₂ O ₅ ⁺ K ₂ O | Total | N | P ₂ O ₅ ⁺ K ₂ O | N | P ₂ O ₅ ⁺ K ₂ O |
| Agrico (46) | 44 | 89 | 133 | 24 | 45 | 94.5 | 96.0 |
| Agway (94) | 90 | 179 | 269 | 12 | 8 | 105.4 | 114.3 |
| Atlas Fish Fertilizer (1) | 1 | 1 | 2 | 1 | 0 | 88.4 | 117.0 |
| Cadwell & Jones (22) | 21 | 43 | 64 | 11 | 12 | 91.4 | 104.2 |
| Chamberlain & Barclay (7) | 7 | 14 | 21 | 0 | 1 | 111.9 | 127.1 |
| Chevron (8) | 8 | 16 | 24 | 0 | 0 | 105.8 | 104.5 |
| Clinton Nursery (2) | 2 | 4 | 6 | 0 | 0 | 126.9 | 106.5 |
| Ross Daniels (1) | 1 | 2 | 3 | 0 | 0 | 119.4 | 114.6 |

| Fertilizer Manufacturer | Number of Claims | | | Number Not Met | | Average % of Claims | |
|-----------------------------|------------------|--|-------|----------------|--|---------------------|--|
| | N | P ₂ O ₅ ⁺ K ₂ O | Total | N | P ₂ O ₅ ⁺ K ₂ O | N | P ₂ O ₅ ⁺ K ₂ O |
| Espoma Co. (6) | 6 | 12 | 18 | 0 | 0 | 121.5 | 125.4 |
| Fer-Mel Corp. (10) | 10 | 14 | 24 | 1 | 0 | 104.6 | 111.1 |
| Garfield Williamson (3) | 3 | 6 | 9 | 0 | 1 | 116.4 | 116.4 |
| Green Mountain Products (3) | 3 | 2 | 5 | 0 | 0 | 130.9 | 138.6 |
| Hart Seed Co. (5) | 5 | 10 | 15 | 1 | 1 | 121.1 | 122.2 |
| Heritage House (3) | 3 | 6 | 9 | 0 | 1 | 102.3 | 137.3 |
| Hyponex Co., Inc. (1) | 1 | 2 | 3 | 0 | 0 | 108.3 | 107.9 |
| International Spike (1) | 1 | 2 | 3 | 0 | 1 | 108.8 | 110.3 |
| Lebanon Chemical Corp. (7) | 7 | 14 | 21 | 0 | 1 | 112.9 | 118.9 |
| Leisure Group (1) | 1 | 2 | 3 | 0 | 0 | 108.0 | 98.5 |
| Lofts Pedigreed Seed (3) | 3 | 6 | 9 | 2 | 0 | 91.7 | 154.0 |
| 3 M (4) | 4 | 8 | 12 | 0 | 0 | 121.0 | 119.1 |
| Nassau Gardens, Inc. (16) | 16 | 32 | 48 | 1 | 2 | 112.3 | 121.5 |
| Old Fox (36) | 35 | 69 | 104 | 12 | 14 | 100.4 | 107.7 |
| Robert B. Peters (3) | 3 | 6 | 9 | 0 | 0 | 110.4 | 108.8 |
| Pfizer-Leeming Div. (1) | 1 | 2 | 3 | 0 | 0 | 111.0 | 114.3 |
| Plantabbs (2) | 2 | 4 | 6 | 0 | 0 | 109.0 | 104.3 |
| Schultz Co. (1) | 1 | 2 | 3 | 0 | 0 | 105.4 | 98.9 |
| O.M. Scott (15) | 15 | 30 | 45 | 0 | 0 | 107.1 | 118.3 |
| Sears (2) | 2 | 4 | 6 | 0 | 0 | 104.7 | 118.7 |
| Sewerage Comm. of Mil. (1) | 1 | 1 | 2 | 0 | 0 | 104.7 | 167.0 |
| Sierra Chemical Co. (1) | 1 | 2 | 3 | 0 | 0 | 103.3 | 106.6 |
| Stern's Nursery (5) | 5 | 10 | 15 | 0 | 2 | 108.8 | 98.6 |
| Stim-U-Plants (1) | 1 | 2 | 3 | 0 | 0 | 104.8 | 101.7 |
| Swift Agric. Chem. Co. (53) | 50 | 97 | 147 | 6 | 32 | 112.4 | 102.3 |
| U.S.S. Agric. (2) | 2 | 4 | 6 | 0 | 0 | 121.2 | 109.7 |
| (367) | 356 | 697 | 1053 | 71 | 119 | 105.5 | 110.1 |

Percent of claims deficient: 18.0

| Manufacturer | Secondary and Minor Elements | | Number Not Met | Average % Of Claims |
|---|------------------------------|---------------------|-------------------|------------------------|
| | Element Claimed | Number Of Claims | | |
| Agrico (1) | Magnesium | 1 | 1 | 72 |
| Agway (12) | Boron | 8 | 0 | 180 |
| | Iron | 4 | 0 | 120 |
| | Magnesium | 1 | 0 | 292 |
| | Manganese | 1 | 0 | 211 |
| | Zinc | 1 | 1 | 60 |
| | Calcium | 1 | 0 | 198 |
| | Copper | 1 | 0 | 120 |
| Chevron (2) | Iron | 2 | 0 | 400 |
| | Magnesium | 1 | 1 | 80 |
| | Manganese | 1 | 0 | 288 |
| | Zinc | 2 | 0 | 235 |
| | Iron | 1 | 0 | 262 |
| | Boron | 1 | 0 | 180 |
| | Calcium | 1 | 0 | 105 |
| Garfield-Williamson (1) Green Mountain Plant Prod. (2) | Copper | 1 | 1 | 40 |
| | Iron | 1 | 0 | 111 |
| | Magnesium | 1 | 0 | 113 |
| | Manganese | 1 | 0 | 80 |
| | Zinc | 1 | 1 | 25 |
| | Iron | 2 | 0 | 744 |
| | Magnesium | 1 | 0 | 275 |
| Lebanon Chemical Corp (2) 3 M (1) | Boron | 1 | 0 | 248 |
| | Copper | 1 | 0 | 140 |
| | Iron | 1 | 0 | 151 |
| | Manganese | 1 | 0 | 132 |
| | Zinc | 1 | 0 | 113 |
| | Iron | 5 | 0 | 1291 |
| | Magnesium | 5 | 0 | 233 |
| Nassau Gardens (5) Old Fox (5) | Iron | 1 | 0 | 110 |
| | Iron | 1 | 0 | 150 |
| Plantabbs (1) | Iron | 1 | 0 | 146 |
| Sears (1) | Iron | 1 | 0 | 193 |
| Sewerage Comm. of Mil. (1) Stern's Nursery (4) | Copper | 3 | 0 | 152 |
| | Iron | 4 | 0 | 152 |
| | Manganese | 3 | 0 | 460 |
| | Zinc | 3 | 0 | 187 |
| Swift Agric. Chem. Co. (5) | Calcium | 1 | 0 | 113 |
| | Chlorine | 2 | 1 | 79 |
| | Magnesium | 2 | 0 | 96 |
| U.S.S. Agric. (2) | Boron | 2 | 0 | 283 |
| | | | | |
| (45) | | 73 | 6 | 276 |

Percent of claims deficient: 8.2

Mixed Fertilizer Distribution

July 1, 1978 - June 30, 1979

Tonnages of Fertilizer Materials and Mixed
Fertilizers Purchased During the Period of
July 1, 1978 - June 30, 1979

| <u>Grade</u> | <u>Tons</u> | | |
|----------------|---------------|--------------------------------|---------------|
| 0-10-40 | 100 | Chemical Nitrogen | |
| 0-15-30 | 93 | Ammonium Nitrate | 115 |
| 0-20-20 | 20 | Ammonium Sulfate | 2 |
| 0-25-25 | 62 | Calcium Nitrate | 66 |
| 4-10-6 | 21 | Nitrate of Soda | 37 |
| | | Nitrogen Solutions (30%) | 331 |
| | | Urea | 3,854 |
| 5-10-5 | 1,267 | Urea - Formaldehyde | 32 |
| 5-10-10 | 1,993 | Other Nitrogen Materials (15%) | 2 |
| 5-20-20 | 39 | (30%) | 2 |
| 8-16-16 | 26 | | <u>4,441</u> |
| 10-6-4 | 3,774 | Organics | |
| | | Blood Meal | 3 |
| 10-10-10 | 6,372 | Castor Pomace | 12 |
| 10-20-10 | 520 | Cottonseed Meal | 98 |
| 12-4-8 | 161 | Dried Blood | 6 |
| 15-8-12 | 1,012 | Dried Manures | 3,094 |
| 15-10-10 | 3,774 | Sewage Sludge | 707 |
| | | Other organics | 3 |
| 15-15-15 | 715 | | <u>3,924</u> |
| 15-30-15 | 27 | Phosphates | |
| 16-4-8 | 15 | Ammonium Phosphate | 1,819 |
| 16-8-8 | 88 | Bonemeal | 95 |
| 18-6-6 | 17 | Dicalcium Phosphate | 3,163 |
| | | Phosphate Rock | 19 |
| 19-19-19 | 131 | Superphosphate, 20% | 82 |
| 20-5-10 | 487 | Superphosphate, 40% | 493 |
| 20-10-5 | 128 | | <u>5,671</u> |
| 20-10-10 | 271 | Potash | |
| 20-12-8 | 52 | Muriate of Potash | 925 |
| | | Nitrate of Potash | 1 |
| 20-20-20 | 47 | Sulfate of Potash | 10 |
| 24-4-8 | 457 | Other Potassium Materials 44% | 7 |
| 24-12-18 | 438 | | <u>943</u> |
| 25-5-10 | 195 | Secondary and Micronutrients | |
| 26-4-6 | 161 | Ammonium sulfate | 2 |
| Miscellaneous* | <u>23,813</u> | Borax | 20 |
| | | Copper sulfate | 1 |
| | | Gypsum | 101 |
| | | Iron | 1 |
| | | Sulfur | 1 |
| | | Zinc | 5 |
| | | | <u>131</u> |
| | | Total | 15,110 |
| Total | 44,043 | Commercial Mixtures | <u>44,043</u> |
| | | Total | 59,153 |

| Pesticide Manufacturer | Pesticide | Number Of Claims | Number Not Met | Average % Of Claims |
|-----------------------------|--|---------------------|-------------------|------------------------|
| Agway Inc. (20) | Ammonium Sulfamate | 1 | 0 | 101 |
| | Captan | 1 | 0 | 103 |
| | Carbaryl | 4 | 0 | 104 |
| | Chlorothalonil | 1 | 0 | 101 |
| | 2,4-D | 1 | 0 | 98 |
| | Dacthal | 1 | 0 | 104 |
| | Diazinon | 3 | 0 | 100 |
| | Dicamba | 1 | 0 | 123 |
| | Disyston | 1 | 0 | 109 |
| | Dursban | 1 | 0 | 105 |
| | Imidan | 1 | 0 | 104 |
| | Kelthane | 1 | 0 | 102 |
| | Malathion | 2 | 0 | 100 |
| | Methoxychlor | 3 | 0 | 104 |
| | Piperonyl butoxide | 1 | 0 | 104 |
| | Prometon | 1 | 0 | 99 |
| | Pyrethrins | 1 | 0 | 96 |
| | Rotenone | 1 | 0 | 105 |
| Thiram | 1 | 0 | 102 | |
| Amchem Products, Inc. (6) | Amitrol | 2 | 0 | 102 |
| | 2,4-D | 3 | 0 | 102 |
| | Dicamba | 2 | 0 | 113 |
| | 2-(2,4-Dichlorophenoxy)- propionic acid | 1 | 0 | 101 |
| | | | | |
| Avitrol Corp. (1) | 4-Aminopyridine | 1 | 0 | 105 |
| Baird & McGuire Co. (1) | Chlordane | 1 | 0 | 100 |
| Bell Laboratories Inc. (1) | Zinc phosphide | 1 | 0 | 109 |
| Black Leaf Products Co. (3) | (5-Benzyl-3-furyl) methyl-22-dimethyl-3- (2-Methylpropenyl)- cyclopropane carboxylate | 1 | 0 | 104 |
| | 2,4-D | 1 | 0 | 106 |
| | Methoxychlor | 1 | 0 | 101 |
| | | | | |
| Bonide Chemical Co. (11) | Ammonium sulfamate | 1 | 0 | 100 |
| | Benomyl | 1 | 0 | 101 |
| | Captan | 1 | 0 | 100 |
| | Carbaryl | 2 | 0 | 95 |
| | Chlordane | 1 | 0 | 90 |
| | Copper | 1 | 0 | 116 |
| | | | | |

| Pesticide Manufacturer | Pesticide | Number Of Claims | Number Not Met | Average % Of Claims |
|-------------------------------|---|---------------------|-------------------|------------------------|
| Bonide Chemical Co. (11) | Malathion | 2 | 1 | 91 |
| | Methoxychlor | 2 | 0 | 104 |
| | Piperonyl butoxide | 1 | 0 | 107 |
| | Pyrethrins | 1 | 0 | 96 |
| | Rotenone | 1 | 0 | 100 |
| | Thiram | 1 | 0 | 102 |
| Chevron Chemical Co. (21) | Acephate | 2 | 0 | 102 |
| | Ammonium sulfamate | 1 | 0 | 100 |
| | Arsonates | 2 | 0 | 100 |
| | Captan | 2 | 0 | 134 |
| | Carbaryl | 3 | 0 | 100 |
| | 2,4-D | 2 | 0 | 100 |
| | Diazinon | 4 | 0 | 100 |
| | Kelthane | 1 | 0 | 100 |
| | Malathion | 2 | 0 | 102 |
| | MCPP | 1 | 0 | 97 |
| | Metasystox-R | 1 | 0 | 100 |
| | Methoxychlor | 2 | 0 | 105 |
| | 2-(1-Methylethoxy) phenylmethylcarbamate | 2 | 0 | 97 |
| | Piperonyl butoxide | 1 | 0 | 96 |
| | Prometon | 1 | 0 | 94 |
| | Pyrethrins | 1 | 0 | 102 |
| | Silvex | 2 | 0 | 100 |
| Ciba-Geigy Corp. (5) | 2,4-D | 1 | 0 | 96 |
| | Diazinon | 4 | 0 | 100 |
| | Dicamba | 1 | 0 | 92 |
| | MCPP | 1 | 0 | 98 |
| Clinipad Corp. (1) | Quaternary ammonium compounds | 1 | 0 | 108 |
| Connecticut Aersols Inc. (41) | d-trans Allethrin | 29 | 9 | 93 |
| | Chlorpyrifos | 10 | 0 | 100 |
| | 2,2-Dichlorovinyl dimethyl- phosphate | 6 | 0 | 102 |
| | O,0-Diethyl-O-(2-isopropyl- 6-methyl-4-pyrimidinyl)- phosphorothioate | 2 | 0 | 99 |
| | O-Isopropoxyphenyl- methylcarbamate | 2 | 0 | 99 |
| | 2-(1-Methylethoxy)phenol- methylcarbamate | 4 | 0 | 97 |
| | N-Octylbicycloheptene- dicarboximide | 31 | 0 | 97 |

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| Pesticide Manufacturer | Pesticide | Number Of Claims | Number Not Met | Average % Of Claims |
|----------------------------------|--|---------------------|-------------------|------------------------|
| Connecticut Aersols Inc (41) | Piperonyl butoxide | 29 | 0 | 113 |
| | Pyrethrins | 12 | 10 | 16 |
| | Quaternary ammonium compounds | 1 | 0 | 108 |
| | Tetramethrin | 6 | 0 | 100 |
| Cutter Laboratories Inc. (1) | N,N-Diethyl-m- toluamide | 1 | 0 | 100 |
| Darworth Co. (6) | Cuprinol | 6 | 0 | 102 |
| Dexol Industries (4) | Carbaryl | 2 | 0 | 105 |
| | 1,1-bis(p-Chlorophenyl)- 2,2,2-trichloroethanol | 1 | 0 | 93 |
| | Karathane | 1 | 0 | 100 |
| | Kelthane | 1 | 0 | 108 |
| | Piperonyl butoxide | 1 | 0 | 115 |
| | Pyrethrins | 1 | 0 | 100 |
| | Zineb | 1 | 0 | 107 |
| The Dow Chemical Co. (5) | Chlorpyrifos | 3 | 0 | 100 |
| | Picloram | 1 | 0 | 98 |
| | 2,4,5-T | 1 | 0 | 100 |
| | Tricyclohexyltin | 1 | 0 | 101 |
| DuBois Chemical Co. (1) | N-Octylbicycloheptene- dicarboximide | 1 | - | - |
| | Piperonyl butoxide | 1 | - | - |
| | Pyrethrins | 1 | - | - |
| E.I. duPont de Nemours & Co. (1) | Benomyl | 1 | 0 | 102 |
| J.T. Eaton & Co., Inc. (1) | 2-Pivalyl-1,3-indandione | 1 | 0 | 104 |
| Edsan Chemical Co., Inc. (2) | Quaternary ammonium compounds | 2 | 0 | 98 |
| Elanco Products Co. (1) | Trifluralin | 1 | 0 | 100 |
| Hofmann Water Testing Co. (2) | Disodium Cyanodithio- imidocarbonate | 2 | 2 | 65 |
| | Potassium N-methyl- dinitro carbamate | 2 | 0 | 123 |

| Pesticide Manufacturer | Pesticide | Number Of Claims | Number Not Met | Average % Of Claims |
|------------------------------------|--|---------------------|-------------------|------------------------|
| Hooker Chemicals & Plastic Corp(1) | Bis(pentachloro- 2,4-cyclopentadien- 1-yl) | 1 | 0 | 101 |
| Hysan Corp. (4) | 2,2-Methylene-bis (3,4,6-trichloro- phenol) | 1 | 1 | 64 |
| | o-Phenylphenol | 3 | 0 | 102 |
| | p-tert-Amylphenol | 3 | 0 | 105 |
| Jamestown Chemical Co. (1) | Poly[oxyethylene (dimethylimino) ethylene (dimethyl- imino)-ethylene- dichloride | 2 | 2 | 82 |
| Kerr McGee Corp. (1) | Tupersan | 1 | 0 | 109 |
| Konalrod Products Co. (2) | Tetramethrin | 2 | 0 | 107 |
| Lofts Pedigree Seed Co. (1) | Silvex | 1 | 0 | 96 |
| Mobay Chemical Corp. (1) | Baygon | 1 | 0 | 105 |
| Nutmeg Chemical Co. (10) | Disodium cyanodi- thioimido cabonate | 2 | 0 | 84 |
| | Poly[oxyethylene(di- methylimino)-dichloride | 8 | 8 | 91 |
| | Potassium N-methyl- dithis carbonate | 2 | 0 | 155 |
| Oakite Products Inc. (1) | Calcium hypochlorite | 1 | 0 | 104 |
| Parrett Chemical Co. (26) | Captan | 4 | 0 | 105 |
| | Carbaryl | 6 | 0 | 108 |
| | Copper | 6 | 0 | 107 |
| | 2,4-D | 2 | 0 | 98 |
| | Diazinon | 2 | 0 | 103 |
| | Malathion | 4 | 0 | 108 |
| | Methoxychlor | 2 | 0 | 107 |
| | Petroleum oil | 2 | 0 | 101 |
| | Piperonyl butoxide | 1 | 0 | 106 |
| | Pyrethrins | 1 | 0 | 96 |
| | Rotenone | 4 | 0 | 99 |
| | Sevin | 2 | 0 | 82 |

| Pesticide Manufacturer | Pesticide | Number Of Claims | Number Not Met | Average % Of Claims | |
|-----------------------------------|--|---------------------|-------------------|------------------------|----|
| Parrott Chemical Co. (26) | Sulfur | 4 | 0 | 100 | |
| Pharmagal Research Labs (4) | N-Octylbicyclo- heptenedicarboximide | 1 | 0 | 97 | |
| | Piperonyl butoxide | 3 | 0 | 95 | |
| | Pyrethrins | 3 | 0 | 107 | |
| | Quaternary ammonium compounds | 1 | 0 | 102 | |
| B.G. Pratt, Gabriel Chem. (2) | Diazinon | 1 | 0 | 102 | |
| | 0,0,0,0,-Tetra- propyldithiopyro- phosphate | 1 | 0 | 98 | |
| Ralston Purina Co. (11) | (5-Benzyl-3-furyl) methyl-2,2-dimethyl- 3-(2-methyl propenyl) cyclopropane car- boxylate | 1 | 0 | 96 | |
| | Captan | 1 | 0 | 101 | |
| | Chlordane | 1 | 0 | 101 | |
| | Diazinon | 1 | 0 | 103 | |
| | Dimethoate | 1 | 0 | 98 | |
| | 2-Hydroxyethyl-n- octyl sulfide | 1 | 0 | 97 | |
| | Malathion | 4 | 2 | 91 | |
| | Methoxychlor | 3 | 0 | 99 | |
| | Piperonyl butoxide | 2 | 0 | 94 | |
| | Pyrethrins | 1 | 0 | 93 | |
| | Sevin | 2 | 0 | 100 | |
| | Zineb | 1 | 0 | 97 | |
| | Roebic Laboratories Inc. (2) | Copper Sulfate | 2 | 0 | 99 |
| | Science Products Co. Inc. (3) | Mameb | 1 | 0 | 99 |
| Methoxychlor | | 1 | 0 | 101 | |
| Zineb | | 1 | 0 | 99 | |
| Service Master Industries Inc (1) | Quaternary ammonium compounds | 1 | 0 | 101 | |
| O.M. Scott & Sons (1) | Diazinon | 1 | 0 | 98 | |
| Shield Chemical Co. (3) | (5-Benzyl-3-furyl) methyl-2,2-dimethyl-3- (2-methylpropenyl) cyclopropane carboxylate | 3 | 0 | 104 | |

| Pesticide Manufacturer | Pesticide | Number Of Claims | Number Not Met | Average % Of Claims |
|----------------------------------|----------------------------------|---------------------|-------------------|------------------------|
| Shield Chemical Co. (3) | Tetramethrin | 2 | 0 | 101 |
| Sudbury Laboratory, Inc. (1) | Naphthalene | 1 | 0 | 100 |
| Syndet Products Inc. (3) | Quaternary ammonium compounds | 3 | 0 | 110 |
| The Tanglefoot Co. (1) | Piperonyl butoxide | 1 | 0 | 97 |
| | Pyrethrins | 1 | 0 | 110 |
| United States Chemical Corp. (1) | Quaternary ammonium compounds | 1 | 0 | 102 |
| Upjohn Co. (4) | 2,6-Dichloro-4- nitroaniline | 2 | 0 | 101 |
| | Diphenamid | 2 | 0 | 100 |
| Velsicol Chemical Co. (3) | Chlordane | 2 | 0 | 101 |
| | 2,4-D | 1 | 0 | 102 |
| | Dicamba | 1 | 0 | 108 |
| York Chemical Co. (1) | Pentachlorophenol | 1 | 0 | 111 |
| (224) | | 386 | 35 | 99 |

Percent of claims deficient: 9.1