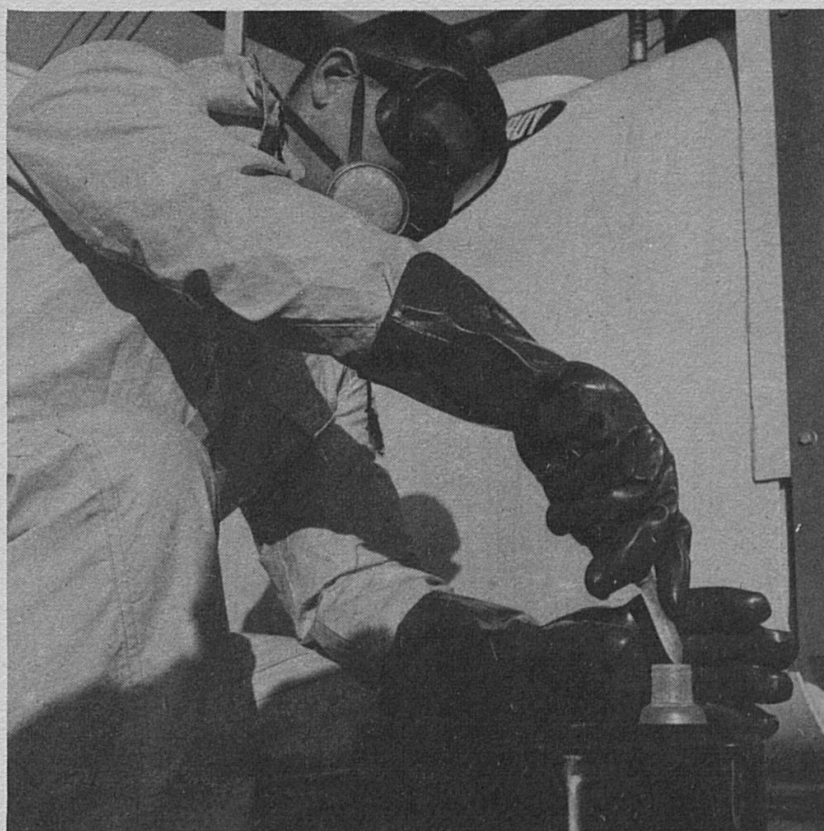


Regulatory Bulletin 191

KENTUCKY
ECONOMIC POISONS
REPORT, 1965



Protective Equipment For Handling Pesticides

University of Kentucky
Agricultural Experiment Station
Lexington

FEED AND FERTILIZER DEPARTMENT
 KENTUCKY AGRICULTURAL EXPERIMENT STATION

Bruce Poundstone, Chairman
 Robert Mathews, Assistant Administrator and Chief Inspector

W. J. Huffman, Registration Inspector
 J. M. Fernandez, Auditor-Inspector

Maurice M. Davis Eugene Vanderpool	FIELD INSPECTORS Neville Hulette	Noel J. Howard Wilson M. Routt
Valva Midkiff John T. Adair Paul R. Caudill Richard D. Westmoreland	LABORATORY STAFF John A. Shrader Dewey Newman, Jr.	John Ellis Norma Holbrook Robert N. Price Carolyn Sue Witt

* * * * *

CONTENTS

Companies Represented By Samples Reported In This Bulletin -----	3
Introduction -----	6
Labeling Requirements -----	6
Field Inspection -----	6
Pesticide-Fertilizer Mixtures -----	6
Explanation of Tables -----	7
Analyses Of Aldrin In Fertilizer -----	8
Analyses Of Dieldrin In Fertilizer -----	11
Analyses Of Products Containing Aldrin -----	11
Analyses Of Products Containing Malathion -----	11
Analyses Of Products Containing Methoxychlor -----	11
Analyses Of Products Containing MH-30 -----	12
Analyses Of Products Containing Sevin -----	12
Analyses Of Products Containing Sodium Hypochlorite -----	13
Analyses Of Products Containing Mixtures Of Pesticides -----	17
Feed Monitoring Program -----	17
Kentucky Economic Poison Law -----	18

This report compiled and prepared by Bruce Poundstone and W. J. Huffman
 Analytical data by Laboratory Staff

COMPANIES REPRESENTED BY SAMPLES REPORTED IN THIS BULLETIN

Agricultural Supply Company
Box 34 - Old Clarksville Road
Hopkinsville, Kentucky 42240

American Agricultural Chemical Company
100 Church Street
New York, New York 10007

Armour Agricultural Chemical Company
350 Hurt Building
Atlanta, Georgia 30303

Best Sales Company
1021 Summer Street
Cincinnati, Ohio 45204

Big Star Foods
P. O. Box 4358
Atlanta, Georgia 30302

Blue Arrow, Inc.
5050 Edgewood Court
Jacksonville, Florida 32203

Bluegrass Plant Foods, Inc.
North Main Street
Cynthiana, Kentucky 41031

Burley Belt Fertilizer Company
Route #4
Lexington, Kentucky 40505

Cabell Chemical Company
101 - 22nd. Street
Huntington, West Virginia 25703

Calvert Chemical Company
Cincinnati, Ohio

Central Chemical Corporation
49 N. Jonathan Street
Hagerstown, Maryland 21740

Chemical Formulators, Inc.
P. O. Box 26
Nitro, West Virginia 25143

The Clorox Company
P. O. Box 599
Cincinnati, Ohio 45201

Cooperative Fertilizer Service
Southern States Building
Richmond, Virginia 23213

Cumberland Manufacturing Company
501 - 25th Avenue, North
Nashville, Tennessee 37202

Erbrich Products Company
1120 East 32nd Street
Indianapolis, Indiana 46207

E-Z Flo Chemical Company
Div. Growers Service Corporation
P. O. Box 808
Lansing, Michigan 48903

Federal Chemical Company
646 Starks Building
Louisville, Kentucky 40202

Glasgow Fertilizer Company
Industrial Avenue
Glasgow, Kentucky 42141

W. R. Grace & Company
Davison Chemical Division
101 N. Charles Street
Baltimore, Maryland 21203

The Great Atlantic & Pacific Tea Co.
3041 Wilson Avenue
Louisville, Kentucky 40211

Gro-Green Chemical Company
P. O. Box 132
Shelbyville, Kentucky 40065

J. M. Harris & Company, Inc.
P. O. Box 411
Roanoke, Virginia 34003

Houchen's Market
Bowling Green, Kentucky 42101

Household Products Company
Evanston, Illinois

Sam Houston Company
P. O. Box 662
Talladega, Alabama 35160

Hutson Chemical Company
Railroad Avenue
Murray, Kentucky 42071

Independent Grocer Alliance Dist. Co.
Chicago, Illinois

(Continued)

Companies Represented by Samples Reported in this Bulletin (Continued)

International Mineral & Chemical Corporation P. O. Box 15067 - Lockland Station Cincinnati, Ohio 45215	Rigo Manufacturing Company 638 Benton Avenue Nashville, Tennessee 37202
The Janszen Company Cincinnati, Ohio	Roman Cleanser Company 2700 E. McNichols Road Detroit, Michigan 48212
Kentucky Fertilizer Works, Inc. P. O. Box 595 Winchester, Kentucky 40391	F. S. Royster Guano Company Box 1940 Norfolk, Virginia 23501
Klenzade Products, Inc. P. O. Box 1020 Beloit, Wisconsin 53511	Sapo Elixir Chemical Company 9870 Big Bend Blvd. Kirkwood, Missouri 63122
The Kroger Company 1240 State Avenue Cincinnati, Ohio 45204	The Sinclair Manufacturing Company 6120 N. Detroit Avenue Toledo, Ohio 43612
McKnight Keaton Grocery Company Sikeston, Missouri 63801	Southern States Cooperative, Inc. 7th and Main Streets Richmond, Virginia 23123
Miami Products & Chemical Company 520 Lonoke Street Dayton, Ohio 45403	Tennessee Corporation 44 Broad Street, N. W. Atlanta, Georgia 30301
Niagara Chemical Div. FMC Corporation P. O. Box D Wyoming, Illinois 61491	Texize Chemicals, Inc. 125 Broadus Avenue Greenville, South Carolina 29601
North American Fertilizer Company Preston Street At Bergman Louisville, Kentucky 40217	Tobacco States Chemical Company P. O. Box 479 Lexington, Kentucky 40501
Novel Wash Company 4045 Garfield Avenue St. Louis, Missouri 63113	V-C Chemical Company Div. Socony Mobil Oil Company 401 E. Main Street Richmond, Virginia 23208
Ohio Valley Fertilizer Company P. O. Box 991 Maysville, Kentucky 41056	Union Carbide Corporation 270 Park Avenue New York, New York 10017
Pilot Stores, Inc. Cincinnati, Ohio	United Cooperatives, Inc. 111 Glamorgan Street Alliance, Ohio 44601
Purex Corporation, Ltd. 5101 Clark Avenue Lakewood, California 90712	United States Rubber Company Chemicals Div. Elm Street Naugatuck, Connecticut 06770
Ralston Purina Company 835 S. Eighth Street St. Louis, Missouri 63199	

(Continued)

Companies Represented by Samples Reported in this Bulletin (Continued)

Universal Milking Machine Div.
National Cooperatives, Inc.
First Avenue at College
Albert Lea, Minnesota 56007

Woolfolk Chemical Works, Ltd.
East Main Street
Fort Valley, Georgia 31030

INTRODUCTION

During the period January 1 through December 31, 1965, 1,035 pesticide samples were analyzed. This figure includes 200 determinations for residues in feed.

LABELING REQUIREMENTS

Chemicals that require registration under the Kentucky Economic Poisons Law must bear a label stating directions for use, which, if compiled with, are considered adequate for the protection of the public. With few exceptions, the label must contain a warning or caution statement, designed to prevent injury to man and other vertebrate animals, vegetation, or other useful living things. The front or display side of the label should also bear the statement "Keep Out Of Reach Of Children." If the product is shipped in interstate commerce, the label should bear the Federal registration number.

The label of the product must also contain a guaranteed analysis which shows either the name and percentage of each active ingredient together with the total percentage of the inert ingredients, or the names of each active ingredient in the descending order of their percentages together with the name of each and the total percentage of the inert ingredients. The ingredient statement of any product may be of either form except in the case of compounds, which are highly toxic to man. The ingredient statement for products containing highly toxic compounds must list the name and percentage of each active ingredient. Highly toxic materials may also be required to be colored or discolored for the protection of the public health.

The label provides the public with information on the uses of and the precautions to be taken in using all economic poisons sold in Kentucky. The name and address of the manufacturer, the net weight or measure of the contents of any package or bottle, and the brand or trade mark under which the product is sold must appear on the label.

FIELD INSPECTION

In order to adequately enforce the provision of the act, field inspectors are authorized to collect samples of economic poisons and devices and to enter any car, warehouse, store, etc. supposed to contain economic poisons or devices, for the purpose of inspection or sampling. They are also authorized to issue and enforce a written or printed stop sale or removal order on a lot of economic poison when the material being offered for sale is in violation of any of the provisions of the Kentucky Economic Poisons Law. They are authorized to hold this material at a designated place.

Field inspectors are in a position to explain the various aspects of the Kentucky Economic Poisons Law so that dealers and users of pesticide products will have an understanding of this act.

PESTICIDE-FERTILIZER MIXTURES

An important group of specialty products are the products in which an insecticide, herbicide, or other economic poison is incorporated into a fertilizer. Because of the nature of these products, special regulations are employed in their registration. For example, an insecticide incorporated into a fertilizer is manufactured usually to be applied to the ground and, therefore, will be effective only against certain soil-inhabiting pests. Another inherent restriction in the use of these products may be in the method or in the time of application of either of the component parts of the product.

EXPLANATION OF TABLES

The following tables are compiled by active ingredient. Manufacturers are listed alphabetically above their respective products. The examinations reported are official samples of pesticide products offered for sale in Kentucky.

Of the samples reported, 63 samples were found to be deficient in one or more of the active ingredients guaranteed. Seventeen products were not registered when the sample was taken, and one sample was of products that were mislabeled.

The symbols in the right hand column of each table have the following meaning:

- P (Passed) denotes the amount of active ingredient found was not significantly at variance from the amount guaranteed.
- D (Deficient) denotes the amount of active ingredient found was significantly below the amount guaranteed.
- X (Not registered) denotes the product was not registered in Kentucky at the time the sample was taken.
- M (Mislabeled) denotes the product did not meet the label requirements in all respects.

ANALYSES OF ALDRIN IN FERTILIZER

Registrant Product	Aldrin		Remarks
	Guarantee %	Found %	
THE AMERICAN AGRI CHEM. CO.			
4 9 3 SULFATE WITH ALDRIN	0.10	0.15	X
5 10 15 SULFATE WITH ALDRIN	0.15	0.22	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.16	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.19	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.21	P
8 8 18 SULFATE WITH ALDRIN	0.15	<u>0.08</u>	<u>D</u>
5 10 15 SULFATE WITH ALDRIN	0.15	0.12	P
5 10 15 SULFATE WITH ALDRIN	0.15	<u>0.09</u>	<u>D</u>
5 10 15 SULFATE WITH ALDRIN	0.15	0.32	P
4 16 4 SULFATE WITH ALDRIN	0.30	0.25	P
4 16 4 SULFATE WITH ALDRIN	0.30	0.32	P
4 16 4 SULFATE WITH ALDRIN	0.30	0.30	P
4 16 4 SULFATE WITH ALDRIN	0.30	0.28	P
4 16 4 SULFATE WITH ALDRIN	0.30	0.27	P
4 16 4 SULFATE WITH ALDRIN	0.30	0.28	P
4 16 4 SULFATE WITH ALDRIN	0.30	0.28	P
4 16 4 SULFATE WITH ALDRIN	0.30	0.29	P
4 16 4 SULFATE WITH ALDRIN	0.30	0.28	P
4 16 4 SULFATE WITH ALDRIN	0.30	0.29	P
4 16 4 SULFATE WITH ALDRIN	0.30	<u>0.22</u>	<u>D</u>
ARMOUR AGRI CHEM COMPANY			
6 12 18 SULFATE WITH ALDRIN	0.15	<u>0.03</u>	<u>D</u>
5 10 10 SULFATE WITH ALDRIN	0.15	0.12	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.24	P
6 12 18 SULFATE WITH ALDRIN	0.15	<u>0.08</u>	<u>D</u>
6 6 18 SULFATE WITH ALDRIN	0.15	<u>0.09</u>	<u>D</u>
5 20 20 MURIATE WITH ALDRIN	0.25	<u>0.14</u>	<u>D</u>
5 10 10 MURIATE WITH ALDRIN	0.25	<u>0.13</u>	<u>DM</u>
5 10 10 MURIATE WITH ALDRIN	0.50	<u>0.27</u>	<u>D</u>
10 10 10 MURIATE WITH ALDRIN	0.50	<u>0.10</u>	<u>D</u>
BLUE GRASS PLANT FOODS, INC.			
5 10 15 SULFATE WITH ALDRIN	0.15	0.20	P
6 12 18 SULFATE WITH ALDRIN	0.20	0.18	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.30	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.29	P
4 16 4 SULFATE WITH ALDRIN	0.31	<u>0.02</u>	<u>D</u>
4 16 4 SULFATE WITH ALDRIN	0.31	0.33	P
5 10 10 MURIATE WITH ALDRIN	0.50	0.54	P
BURLEY BELT FERTILIZER CO.			
5 10 15 SULFATE WITH ALDRIN	0.15	<u>0.16</u>	<u>D</u>
5 10 15 SULFATE WITH ALDRIN	0.15	0.15	P
8 10 15 SULFATE WITH ALDRIN	0.15	0.15	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.18	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.31	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.32	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.29	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.33	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.31	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.31	P
CCOP. FERTILIZER SERVICE, INC.			
5 10 15 SULFATE WITH ALDRIN	0.15	0.16	P
8 10 15 SULFATE WITH ALDRIN	0.14	0.16	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.14	P
6 6 18 SULFATE WITH ALDRIN	0.15	0.15	P

ANALYSES OF ALDRIN IN FERTILIZER (Cont'd.)

Registrant Product	Aldrin		Remarks
	Guarantee %	Found %	
COOP. FERTILIZER SERVICE, INC. (Continued)			
5 10 15 SULFATE WITH ALDRIN	0.15	0.14	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.12	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.14	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.12	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.15	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.13	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.12	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.14	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.34	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.34	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.35	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.29	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.32	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.31	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.26	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.34	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.25	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.35	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.34	P
10 10 10 WITH ALDRIN	0.40	0.40	P
5 15 5 MURIATE WITH ALDRIN	0.50	0.43	P
FEDERAL CHEMICAL COMPANY			
9 10 15 SULFATE WITH ALDRIN	0.15	0.12	P
9 10 15 SULFATE WITH ALDRIN	0.15	<u>0.10</u>	D
9 10 15 SULFATE WITH ALDRIN	0.15	<u>0.08</u>	D
5 10 15 SULFATE WITH ALDRIN	0.15	<u>0.09</u>	D
5 10 15 SULFATE WITH ALDRIN	0.15	0.12	P
5 10 15 SULFATE WITH ALDRIN	0.15	<u>0.11</u>	D
9 10 15 SULFATE WITH ALDRIN	0.15	0.16	P
4 16 4 SULFATE WITH ALDRIN	0.19	0.16	P
4 16 4 SULFATE WITH ALDRIN	0.19	0.02	P
4 16 4 SULFATE WITH ALDRIN	0.19	0.23	P
4 16 4 SULFATE WITH ALDRIN	0.19	<u>0.14</u>	D
4 16 4 SULFATE WITH ALDRIN	0.19	0.25	P
4 16 4 SULFATE WITH ALDRIN	0.19	0.26	P
6 12 12 MURIATE WITH ALDRIN	0.50	<u>0.38</u>	D
10 10 10 MURIATE WITH ALDRIN	0.50	0.54	P
GLASGOW FERT. CO.			
4 16 4 SULFATE WITH ALDRIN	0.31	0.27	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.29	P
W. R. GRACE + COMPANY			
5 10 15 SULFATE WITH ALDRIN	0.15	0.12	P
5 10 15 SULFATE WITH ALDRIN	0.15	0.26	P
5 10 15 SULFATE WITH ALDRIN	0.15	<u>0.07</u>	D
5 10 15 SULFATE WITH ALDRIN	0.25	<u>0.18</u>	D
4 16 4 SULFATE WITH ALDRIN	0.31	<u>0.12</u>	D
4 16 4 SULFATE WITH ALDRIN	0.31	<u>0.19</u>	D
4 16 4 SULFATE WITH ALDRIN	0.31	0.36	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.30	P
5 10 15 SULFATE WITH ALDRIN	0.50	0.52	P
4 16 16 MURIATE WITH ALDRIN	0.50	0.54	P
W. R. GRACE + COMPANY			
5 10 15 SULFATE WITH ALDRIN	0.50	<u>0.36</u>	D
4 16 4 SULFATE WITH ALDRIN	0.31	0.32	P
4 16 4 SULFATE WITH ALDRIN	0.31	<u>0.23</u>	D

ANALYSES OF ALDRIN IN FERTILIZER (Cont'd.)

Registrant Product	Aldrin		Remarks
	Guarantee %	Found %	
GRO-GREEN CHEMICAL COMPANY			
CUSTOM MIX WITH ALDRIN	0.12	0.20	P
CUSTOM MIX WITH ALDRIN	0.13	<u>0.08</u>	<u>D</u>
8 10 15 SULFATE WITH ALDRIN	0.15	<u>0.04</u>	<u>D</u>
8 10 15 SULFATE WITH ALDRIN	0.15	0.21	P
10 10 10 MURIATE WITH ALDRIN	0.15	0.14	X
8 10 15 SULFATE WITH ALDRIN	0.15	<u>0.08</u>	<u>D</u>
4 16 4 SULFATE WITH ALDRIN	0.31	0.25	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.32	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.33	P
HUTSON CHEMICAL COMPANY			
5 10 15 SULFATE WITH ALDRIN	1.00	0.94	P
4 12 8 MURIATE WITH ALDRIN	1.00	0.88	P
INTERNATIONAL MIN + CHEM CORP			
4 16 4 SULFATE WITH ALDRIN	0.15	<u>0.06</u>	<u>D</u>
5 10 15 SULFATE WITH ALDRIN	0.15	0.14	P
5 10 15 SULFATE WITH ALDRIN	0.15	<u>0.05</u>	<u>D</u>
4 16 4 SULFATE WITH ALDRIN	0.20	<u>0.11</u>	<u>D</u>
0 20 0 WITH ALDRIN	0.20	<u>0.04</u>	<u>DX</u>
4 16 4 SULFATE WITH ALDRIN	0.31	0.34	P
KENTUCKY FERT. WORKS, INC.			
6 6 18 SULFATE WITH ALDRIN	0.07	0.08	P
6 6 18 SULFATE WITH ALDRIN	0.10	0.08	P
CUSTOM MIX - BULK	0.13	0.13	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.29	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.28	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.34	P
NORTH AMERICAN FERT. CO.			
4 16 4 SULFATE WITH ALDRIN	0.31	0.30	P
4 16 4 SULFATE WITH ALDRIN	0.31	<u>0.19</u>	<u>D</u>
OHIO VALLEY FERTILIZER CO.			
8 10 15 SULFATE WITH ALDRIN	0.15	0.14	X
10 10 20 SULFATE WITH ALDRIN	0.15	<u>0.08</u>	<u>DX</u>
4 16 4 SULFATE WITH ALDRIN	0.31	<u>0.23</u>	<u>D</u>
F. S. ROYSTER GUANO COMPANY			
5 10 15 SULFATE WITH ALDRIN	0.15	<u>0.09</u>	<u>D</u>
4 16 4 SULFATE WITH ALDRIN	0.31	0.30	P
4 16 4 SULFATE WITH ALDRIN	0.31	0.34	P
TENNESSEE CORPORATION			
5 10 15 SULFATE WITH ALDRIN	0.16	0.14	P
4 16 4 SULFATE WITH ALDRIN	0.16	0.15	P
4 16 4 SULFATE WITH ALDRIN	0.16	<u>0.11</u>	<u>D</u>
5 10 15 SULFATE WITH ALDRIN	0.16	<u>0.11</u>	<u>D</u>
10 10 20 SULFATE WITH ALDRIN	0.16	0.21	P
V C CHEMICAL CORPORATION			
5 10 15 SULFATE WITH ALDRIN	0.15	<u>0.11</u>	<u>D</u>
5 10 15 SULFATE WITH ALDRIN	0.15	<u>0.00</u>	<u>D</u>
6 12 18 SULFATE WITH ALDRIN	0.15	0.21	P
6 12 18 SULFATE WITH ALDRIN	0.30	<u>0.19</u>	<u>D</u>
4 16 4 SULFATE WITH ALDRIN	0.31	0.50	P
4 16 4 SULFATE WITH ALDRIN	0.31	<u>0.26</u>	<u>D</u>
4 16 4 SULFATE WITH ALDRIN	0.31	0.28	P
4 16 4 SULFATE WITH ALDRIN	0.31	<u>0.23</u>	<u>D</u>

ANALYSES OF DIELDRIN IN FERTILIZER

Registrant Product	Dieldrin		Remarks
	Guarantee %	Found %	
ARMOUR AGRI CHEM COMPANY			
5 10 5 SULFATE WITH DIELDRIN	0.19	<u>0.04</u>	D
4 16 4 SULFATE WITH DIELDRIN	0.19	0.17	P
4 16 4 SULFATE WITH DIELDRIN	0.19	0.31	P
4 16 4 SULFATE WITH DIELDRIN	0.19	0.34	P
5 10 5 SULFATE WITH DIELDRIN	0.19	<u>0.05</u>	D
5 10 5 SULFATE WITH DIELDRIN	0.19	<u>0.12</u>	D
5 10 5 SULFATE WITH DIELDRIN	0.19	0.23	P
4 16 4 SULFATE WITH DIELDRIN	0.19	0.26	P
4 16 4 SULFATE WITH DIELDRIN	0.19	0.17	P

ANALYSES OF PRODUCTS CONTAINING ALDRIN

Registrant Product	Aldrin		Remarks
	Guarantee %	Found %	
BURLEY BELT FERTILIZER CO. 25 ALDRIN GRANULES	25.00	23.80	P

ANALYSES OF PRODUCTS CONTAINING MALATHION

Registrant Product	Malathion		Remarks
	Guarantee %	Found %	
UNITED CO-OPERATIVES, INC. UNICO MALATHION-5 EMULSIFIABLE CONC.	54.80	58.10	P

ANALYSES OF PRODUCTS CONTAINING METHOXYCHLOR

Registrant Product	Methoxychlor		Remarks
	Guarantee %	Found %	
UNITED COOPERATIVES, INC. UNICO METHOXYCHLOR	23.80	24.50	P

ANALYSES OF PRODUCTS CONTAINING MH-30

Registrant Product	MH-30		Remarks
	Guarantee %	Found %	
U S RUBBER COMPANY			
MH30	30.00	30.50	P
MH30	30.00	30.70	P
MH30	30.00	30.00	P
MH30	30.00	30.10	P
MH30	30.00	30.10	P
MH30	30.00	30.40	P
MH30	30.00	30.40	P
MH30	30.00	30.40	P
MH30	30.00	30.30	P
MH30	30.00	30.20	P
MH30	30.00	30.20	P
MH30	30.00	30.30	P
MH30	30.00	30.40	P
MH30	30.00	30.40	P
MH30	30.00	30.20	P
MH30	30.00	30.40	P
MH30	30.00	30.40	P
MH30	30.00	30.20	P
MH30	30.00	30.40	P
MH30	30.00	30.50	P
MH30	30.00	30.60	P
MH30	30.00	29.60	P

ANALYSES OF PRODUCTS CONTAINING SEVIN

Registrant Product	Sevin		Remarks
	Guarantee %	Found %	
AG SUPPLY COMPANY SEVIN 5 DUST	5.00	5.04	P
CABELL CHEMICAL COMPANY CABELLS SEVIN DUST	2.00	1.98	X
CALIFORNIA CHEMICAL CORP. ORTHO SEVIN 5 DUST	5.00	4.83	P
ORTHO SEVIN 50 WETTABLE	50.00	51.67	P
ORTHO SEVIN GARDEN SPRAY	50.00	51.36	P
CENTRAL CHEMICAL CORP. SEVIN 50-W	50.00	51.98	X
FARMRITE SEVIN 50-W	50.00	52.91	X
CHEMICAL FORMULATORS, INC. CHEMFORM SEVIN WP	50.00	49.51	X
E-Z FLO CHEMICAL COMPANY E-Z-FLO DUST NC. 2-S	2.00	2.23	X
E-Z FLO DUST NC. 5-S	5.00	5.01	X
E-Z FLO DUST NC. 5-S	5.00	5.14	P
J. M. HARRIS + CO., INC. BLUE DRAGON-CONTAINS SEVIN	2.00	2.21	P
BLUE DRAGON-CONTAINS SEVIN	2.00	1.98	P
BLUE DRAGON-CONTAINS SEVIN	2.00	1.86	P
NEW COPPER DRAGON	2.00	2.03	P
SAM HOUSTON COMPANY HOUSTONS SEVIN 1.75 BEAN DUST	1.75	1.86	P

ANALYSES OF PRODUCTS CONTAINING SEVIN (Cont'd.)

Registrant Product	Sevin		Remarks
	Guarantee %	Found %	
NIAGARA CHEM DIV FMC CORP. SEVIN 50 WETTABLE POWDER	50.00	51.67	P
RIGG MANUFACTURING COMPANY KILL-KO VEGETABLE DUST	5.00	4.95	P
KILL-KO VEGETABLE DUST	5.00	5.14	P
KILL-KO 80 PERCENT WP	80.00	84.65	P
SOUTHERN STATES CCCP., INC. STATESMAN 3 PERCENT SEVIN DUST	3.00	3.19	P
STATESMAN 3 PERCENT SEVIN DUST	3.00	3.07	P
STATESMAN 3 PERCENT SEVIN DUST	3.00	3.64	P
STATESMAN 3 PERCENT SEVIN DUST	3.00	3.37	P
TOBACCO STATES CHEM CO 1.75 PERCENT BEAN DUST	1.75	1.60	P
VEGETABLE DUST	5.00	4.89	P
FLEA BEATLE DUST	5.00	4.36	P
INSECT DUST	10.00	9.90	P
50 PERCENT SEVIN WP	50.00	52.60	P
UNION CARBIDE CORPORATION UNION CARBIDE SEVIN 50-W	50.00	50.43	P
UNION CARBIDE SEVIN 50-W	50.00	50.74	P
UNION CARBIDE SEVIN 50-W	50.00	50.74	P
UNION CARBIDE SEVIN	80.00	86.63	P
UNION CARBIDE SEVIN	80.00	87.13	X
UNITED CO-OPERATIVES, INC. UNICO 5 PERCENT SEVIN DUST	5.00	5.14	P
UNICO SEVIN SPRAY POWDER	50.00	49.51	P
WOLFCLK CHEMICAL WORKS, LTD. SECURITY SEVIN BEAN DUST	1.75	1.75	P
SECURITY 5 PERCENT GARDEN DUST	5.00	4.98	P
SECURITY 5 PERCENT GARDEN DUST	5.00	4.89	P

ANALYSES OF PRODUCTS CONTAINING SODIUM HYPOCHLORITE

Registrant Product	Sodium Hypochlorite		Remarks
	Guarantee %	Found %	
ATLANTIC + PACIFIC TEA CO. BRIGHT SAIL LAUNDRY BLEACH	5.25	5.38	P
BRIGHT SAIL LAUNDRY BLEACH	5.25	5.68	P
BRIGHT STAR LAUNDRY BLEACH	5.25	5.34	P
BRIGHT SAIL LAUNDRY BLEACH	5.25	5.58	P
BRIGHT SAIL LAUNDRY BLEACH	5.25	5.58	P
BRIGHT SAIL LAUNDRY BLEACH	5.25	4.93	P
BRIGHT SAIL LAUNDRY BLEACH	5.25	5.16	P
BRIGHT SAIL LAUNDRY BLEACH	5.25	5.40	P
BRIGHT SAIL LAUNDRY BLEACH	5.25	5.45	P
BRIGHT SAIL LAUNDRY BLEACH	5.25	5.24	P
BEST SALES CO. BEST WHITE LAUNDRY BLEACH	5.25	5.01	P

ANALYSES OF PRODUCTS CONTAINING SODIUM HYPOCHLORITE (Cont'd.)

Registrant Product	Sodium Hypochlorite		Remarks
	Guarantee %	Found %	
BIG STAR FOODS			
3-D BLEACH	5.25	5.81	P
3 D BLEACH	5.25	<u>4.65</u>	<u>D</u>
BLUE ARROW INC.			
WHITE ARROW BLEACH	5.25	5.16	P
WHITE ARROW BLEACH	5.25	5.39	P
WHITE ARROW BLEACH	5.25	5.27	P
WHITE ARROW BLEACH	5.25	5.39	P
CALVERT CHEMICAL CO.			
SUN-FRESH BLEACH	5.25	5.40	X
THE CLCROX COMPANY			
CLCROX BLEACH	5.25	5.30	P
CLCROX BLEACH	5.25	5.21	P
CLCROX BLEACH	5.25	5.25	P
CLCROX BLEACH	5.25	5.28	P
CLCROX BLEACH	5.25	5.27	P
CLCROX BLEACH	5.25	5.27	P
CLCROX BLEACH	5.25	5.02	P
CLCROX BLEACH	5.25	<u>4.59</u>	<u>D</u>
CLCROX BLEACH	5.25	5.35	P
CLCROX BLEACH	5.25	5.28	P
CLCROX BLEACH	5.25	5.28	P
CLCROX BLEACH	5.25	5.34	P
CLCROX BLEACH	5.25	5.07	P
CLCROX BLEACH	5.25	5.32	P
CLCROX BLEACH	5.25	5.14	P
CLCROX BLEACH	5.25	5.21	P
CLCROX BLEACH	5.25	5.24	P
CLCROX BLEACH	5.25	5.22	P
CLCROX BLEACH	5.25	5.11	P
CLCROX BLEACH	5.25	5.09	P
CLCROX BLEACH	5.25	5.34	P
CUMBERLAND MFG. COMPANY			
BRI-TEX BLEACH	5.25	<u>3.74</u>	<u>D</u>
BRI-TEX BLEACH	5.25	<u>3.37</u>	<u>D</u>
BRI-TEX BLEACH	5.25	<u>3.84</u>	<u>D</u>
ERBRICH PRODUCTS COMPANY			
TIME SAVER HOUSEHOLD BLEACH	5.25	5.32	P
HOUCHENS			
OUR SPECIAL BLEACH	5.25	5.36	P
OUR SPECIAL BLEACH	5.25	6.94	P
OUR SPECIAL BLEACH	5.25	<u>4.38</u>	<u>D</u>
OUR SPECIAL BLEACH	5.25	4.96	P
OUR SPECIAL BLEACH	5.25	4.73	P
HOUSEHOLD PRODUCTS CO.			
LITTLE MOMMIE BRAND HOUSEHOLD BLEACH	5.25	5.08	X

ANALYSES OF PRODUCTS CONTAINING SODIUM HYPOCHLORITE (Cont'd.)

Registrant Product	Sodium Hypochlorite		Remarks
	Guarantee %	Found %	
INDEPENDENT GROCERS ALLIANCE			
IGA HI POWER BLEACH	5.25	5.33	P
IGA HOUSEHOLD BLEACH	5.25	5.52	P
IGA HI POWER BLEACH	5.25	5.40	P
THE JANSZEN CO.			
DOT DEODORANT BLEACH	5.25	4.96	X
KLENZADE PRODUCTS, INC.			
KLENZADE X-4	6.40	<u>5.55</u>	<u>D</u>
KROGER			
KROGER KANDU BLEACH	5.25	5.66	P
KROGER KANDU BLEACH	5.25	5.33	P
KROGER KANDU BLEACH	5.25	5.43	P
KROGER KANDU BLEACH	5.25	5.60	P
KROGER KANDU BLEACH	5.25	5.11	P
KROGER KANDU BLEACH	5.25	5.47	P
KROGER KANDU BLEACH	5.25	5.29	P
KROGER KANDU BLEACH	5.25	4.93	P
KROGER KANDU BLEACH	5.25	5.57	P
KROGER KANDU BLEACH	5.25	5.32	P
KROGER KANDU BLEACH	5.25	5.41	P
KROGER KANDU BLEACH	5.25	5.16	P
KROGER KANDU BLEACH	5.25	5.54	P
KROGER KANDU BLEACH	5.25	5.56	P
MCKNIGHT KEATON GRCC. CO.			
CHLOROSAN HOUSEHOLD BLEACH	5.25	4.84	P
MIAMI PRODUCTS + CHEM. CO.			
JACK + JILL LIQUID BLEACH	5.25	4.77	P
BLINK	5.25	6.08	P
BLINK	5.25	5.39	P
NOVEL WASH COMPANY			
NOVEL BLEACH	5.25	4.79	X
NOVEL WASH BLEACH	5.25	5.12	X
PILOT STORES INC.			
LITTLE SKIPPER BLEACH + CLEANER	5.25	5.24	P
PUREX CORPORATION, LTD.			
FLEECY WHITE BLEACH	5.25	5.30	P
FLEECY WHITE BLEACH	5.25	4.89	P
FLEECY WHITE BLEACH	5.25	5.34	P
FLEECY WHITE BLEACH	5.25	5.34	P
FLEECY WHITE BLEACH	5.25	<u>4.42</u>	<u>D</u>
FLEECY WHITE BLEACH	5.25	<u>4.22</u>	<u>D</u>
FLEECY WHITE BLEACH	5.25	5.10	P
FLEECY WHITE BLEACH	5.25	5.47	P
FLEECY WHITE BLEACH	5.25	5.24	P
FLEECY WHITE BLEACH	5.25	5.26	P
PUREX BLEACH	6.00	6.07	P
PUREX BLEACH	5.25	5.01	P
PUREX BLEACH	5.25	<u>4.62</u>	<u>D</u>
PUREX BLEACH	5.25	5.31	P
PUREX BLEACH	5.25	5.12	P
PUREX BLEACH	5.25	5.42	P
PUREX BLEACH	5.25	5.44	P
PUREX BLEACH	5.25	5.53	P
PUREX BLEACH	5.25	5.48	P
PUREX BLEACH	5.25	5.49	P

ANALYSES OF PRODUCTS CONTAINING SODIUM HYPOCHLORITE (Cont'd.)

Registrant Product	Sodium Hypochlorite		Remarks
	Guarantee %	Found %	
PUREX CORPORATION, LTD. (Cont'd.)			
PUREX BLEACH	5.25	5.33	P
PUREX BLEACH	5.25	5.31	P
PUREX BLEACH	5.25	5.46	P
PUREX BLEACH	5.25	5.30	P
PUREX BLEACH	5.25	5.48	P
PUREX BLEACH	5.25	5.50	P
PUREX BLEACH	5.25	5.44	P
PUREX BLEACH	5.25	5.41	P
PUREX BLEACH	5.25	5.38	P
PUREX BLEACH	5.25	4.95	P
PUREX BLEACH	6.00	5.94	P
NEW PUREX SUPER BLEACH	6.00	6.34	P
NEW PUREX SUPER BLEACH	6.00	6.23	P
PUREX SUPER BLEACH	6.00	5.98	P
PUREX SUPER BLEACH	6.00	6.40	P
PUREX SUPER BLEACH	6.00	6.40	P
MAGIC HOUSEHOLD BLEACH	5.25	5.18	P
ROMAN CLEANSER COMPANY			
ROMAN CLEANSER BLEACH	5.25	5.37	P
ROMAN CLEANSER BLEACH	5.25	5.27	P
ROMAN CLEANSER BLEACH	5.25	<u>3.97</u>	D
ROMAN CLEANSER BLEACH	5.25	4.94	P
ROMAN CLEANSER BLEACH	5.25	5.51	P
ROMAN CLEANSER BLEACH	5.25	5.20	o
ROMAN CLEANSER BLEACH	5.25	5.66	
SAPD ELIXIR CHEMICAL COMPANY			
SAPD BLEACH	5.25	4.83	P
SAPD BLEACH	5.25	4.97	P
THE SINCLAIR MFG. COMPANY			
SUNRAE	5.25	<u>3.84</u>	D
SUNRAE	5.25	5.22	P
SUNRAE	5.25	5.58	P
SUNRAE	5.25	5.41	P
SUNRAE	5.25	5.48	P
WHITE MONDAY BLEACH	5.25	5.65	P
WHITE MONDAY BLEACH	5.25	<u>4.15</u>	D
WHITE MONDAY BLEACH	5.25	5.74	P
WHITE MONDAY BLEACH	5.25	5.64	P
WHITE MONDAY BLEACH	5.25	5.32	P
WHITE MONDAY BLEACH	5.25	5.60	P
WHITE MONDAY BLEACH	5.25	5.66	P
WHITE MONDAY BLEACH	5.25	<u>4.60</u>	D
WHITE MONDAY BLEACH	5.25	5.12	P
WHITE MONDAY BLEACH	5.25	5.57	P
WHITE MONDAY BLEACH	5.25	5.28	P
WHITE MONDAY BLEACH	5.25	5.65	P
WHITE MONDAY BLEACH	5.25	4.74	P
WHITE MONDAY BLEACH	5.25	5.37	P
TEXIZE CHEMICALS, INC.			
TEXIZE BLEACH	5.25	<u>3.57</u>	D
TEXIZE BLEACH	5.25	4.95	P
TEXIZE BLEACH	5.25	5.22	P
TEXIZE BLEACH	5.25	5.36	P
TRU-WAY BLEACH			
UNIVERSAL MILKING MACHINE DIV.			
UNIVERSAL CHLOR-O-SAN	6.40	<u>3.60</u>	D
UNIVERSAL CHLOR-O-SAN	6.40	<u>3.54</u>	D
UNIVERSAL CHLOR-O-SAN	6.40	6.27	P
UNIVERSAL CHLOR-O-SAN	6.40	6.58	P

ANALYSES OF PRODUCTS CONTAINING MIXTURES OF PESTICIDES

Registrant	Product	Guarantee	Found	Remarks
	Active Ingredient	%	%	
RALSTON PURINA COMPANY				
	Purina Fly Checker			
	DDVP	0.25	0.49	P
	Dipterex	1.00	*	
Do	DDVP	0.25	0.20	P
	Dipterex	1.00	*	
Do	DDVP	0.25	<u>0.06</u>	<u>D</u>
	Dipterex	1.00	*	
Do	DDVP	0.25	<u>0.12</u>	<u>D</u>
	Dipterex	1.00	*	
Do	DDVP	0.25	0.53	P
	Dipterex	1.00	*	

* Product not analyzed for this ingredient.

FEED MONITORING PROGRAM

The class of insecticides known as chlorinated hydrocarbons (DDT, dieldrin, heptachlor, etc.) do not decompose readily after application.

These insecticides have been used in Kentucky on crops fed to farm animals. Residues on such feed are stored in the fat of animals consuming them. Only a trace quantity is necessary to be passed by dairy animals into milk.

To assure dairymen that feeds fed in Kentucky are satisfactory, the Department of Feed and Fertilizer set up a Pesticide Residue Monitoring Program in 1962. The first year, 34 samples were analyzed. By 1965, 200 samples had been screened in this way. All dairy feed samples received by the department are now being analyzed for chlorinated hydrocarbon residues. They are checked for aldrin, lindane, dieldrin, DDT, DDD (Ddthane), heptachlor, heptachlor epoxide and endrin.

All feeds tested have been within the tolerance.

KENTUCKY ECONOMIC POISON LAW

An act concerning regulation of the manufacture, sale, transportation, distribution and use of economic poisons and devices including fungicides, rodenticides and herbicides.

217.540 Definitions for KRS 217.540 to 217.640. As used in KRS 217.540 to 217.640, unless the context requires otherwise:

- (1) "Economic poison" means any substance or mixture of substances intended for preventing, destroying, repelling or mitigating any insects, rodents, fungi, bacteria, weeds or other form of plant or animal life or viruses (except viruses on or in living man or other animals) which the Director shall declare to be a pest;
- (2) "Device" means any instrument or contrivance intended for trapping, destroying, repelling or mitigating insects or rodents or destroying, repelling or mitigating fungi, bacteria or weeds, or such other pests as may be designated by the Director, but not including simple mechanical devices such as rat traps or equipment used for the application of economic poisons when sold separately therefrom;
- (3) "Insecticide" means any substance or mixture of substances intended for preventing, destroying, repelling or mitigating any insects which may be present in any environment whatsoever;
- (4) "Fungicide" means any substance or mixture of substances intended for preventing, destroying, repelling or mitigating any fungi or plant disease;
- (5) "Rodenticide" means any substance or mixture of substances intended for preventing, destroying, repelling or mitigating rodents or any other vertebrate animal which the Director shall declare to be a pest;
- (6) "Herbicide" means any substance or mixture of substances intended for preventing, destroying, repelling or mitigating any weed;
- (7) "Weed" means any plant which grows where not wanted;
- (8) "Insect" means any of the numerous small invertebrate animals generally having the body more or less obviously segmented, for the most part belonging to the class Insecta, comprising six-legged, usually winged forms as for example, beetles, bugs, bees, flies and to other allied classes of arthropods whose members are wingless and usually have more than six legs, as for example, spiders, mites, ticks, centipedes, and wood lice, also nematodes and other worms, or any other invertebrates which are destructive, constitute a liability, and may be classed as pests;
- (9) "Fungi" means all non-chlorophyll bearing thallophytes (that is, all non-chlorophyll bearing plants of a lower order than mosses and liverworts) as for example, rusts, smuts, mildews, molds, yeasts, bacteria and viruses, except those on or in living man or other animals;
- (10) "Ingredient statement" or "guaranteed analysis statement" means either (1) a statement of the name and percentage of each active ingredient, together with the total percentage of the inert ingredients, in the economic poisons; and in addition, in case the economic poisons contain arsenic in any form, a statement of the percentage of total and water soluble arsenic, each stated as elemental (metallic) arsenic; or (2) a statement of the name of each active ingredient in the descending order of percentages, together with the name of each and total percentage of the inert ingredients, if any there be, in the economic poison (except option one shall apply if the preparation is highly toxic to man, determined as provided in KRS 217.580), and in case the economic poisons contain arsenic in any form a statement of the percentage of total and water soluble arsenic, each stated as elemental (metallic) arsenic;
- (11) "Active ingredient" means an ingredient which will prevent, destroy, repel or mitigate insects, fungi, rodents, weeds or other pests;
- (12) "Inert ingredient" means an ingredient which is not an active ingredient.
- (13) "Antidote" means the most practical immediate treatment in case of poisoning and includes first aid treatment;
- (14) "Person" means any individual, partnership, association, corporation or organized group of persons whether incorporated or not;
- (15) "Director" means the Director of the Kentucky Agricultural Experiment Station;
- (16) "Registrant" means the person registering any economic poison pursuant to the provisions of KRS 217.540 to 217.640;
- (17) "Label" means the written, printed or graphic matter on or attached to, the economic poison or device, or the immediate container thereof, and the outside container or wrapper of the retail package, if any there be, of the economic poison or device;
- (18) "Labeling" means all labels and other written, printed or graphic matter:

- (a) Upon the economic poison or device or any of its containers or wrappers;
 - (b) Accompanying the economic poison or device at any time;
 - (c) To which reference is made on the label or in literature accompanying the economic poison or device, except when accurate, non-misleading reference is made to current official publications of the Kentucky Agricultural Experiment Station, the College of Agriculture of the University of Kentucky, the Department of Agriculture, Labor and Statistics, the Department of Health, or similar Federal institutions or other official agencies of this state or other states when such agencies are authorized to conduct research in the field of economic poisons;
- (19) "Adulterated" means any economic poison the strength or purity of which falls below the professed standard or quality as expressed on labeling or under which it is sold, or any substance of which has been substituted wholly or in part, or any valuable constituent of which has been wholly, or in part, abstracted;
- (20) "Misbranded" shall mean any economic poison or device:
- (a) The labeling of which bears any statement, design or graphic representation relative thereto or to its ingredients which is false or misleading in any particular;
 - (b) Which is an imitation of or is offered for sale under the name of another economic poison;
 - (c) The labeling of which bears any false reference to registration under KRS 217.540 to 217.640;
 - (d) The accompanying label of which does not contain directions for use which are necessary and, if complied with, adequate for the protection of the public;
 - (e) The label of which does not contain a warning or caution statement which may be necessary and, if complied with, adequate to prevent injury to living man and other vertebrate animals, vegetation, and useful invertebrate animals;
 - (f) The label of which does not bear an ingredient statement or guaranteed analysis statement on that part of the immediate container and on the outside container or wrapper, if there be one, through which the ingredient statement or guaranteed analysis statement on the immediate container cannot be clearly read, of the retail package which is presented or displayed under customary conditions of purchase;
 - (g) In which any word, statement, or other information required by or under the authority of KRS 217.540 to 217.640 to appear on the labeling is not prominently placed thereon with such conspicuousness (as compared with other words, statements, designs or graphic matter in the labeling) and in such terms as to render it likely to be read and understood by the ordinary individual under customary conditions of purchase and use; or
 - (h) Which, in the case of insecticide, fungicide or herbicide, when used as directed or in accordance with commonly recognized safe practice, shall be injurious to living man or other vertebrate animals or vegetation, to which it is applied, or to the person applying such economic poison, excepting pests and weeds. (1956 c. 218, 1; effective July 1, 1956)

217.550 Prohibitions relating to the distribution, sale or transportation of economic poisons. It shall be unlawful for any person to distribute, sell or offer for sale within the state or deliver for transportation or transport in intrastate commerce or between points within this state through any point outside this state any of the following:

- (1) Any economic poison which is not registered pursuant to the provisions of KRS 217.570, or any economic poison if any of the claims made for it or any of the directions for its use differ in substances from the representation made in connection with its registration, or if the composition of an economic poison differs from its composition as represented in connection with its registration; provided, that in the discretion of the Director, a change in the labeling or formula of an economic poison may be made, within a registration period, without requiring a re-registration of the product;
- (2) Any economic poison, except in the registrant's or the manufacturer's broken immediate container, unless there is affixed to the container, and to the outside container or wrapper of the retail package, if there be one, through which the required information on the immediate container cannot be clearly read, a label bearing:
 - (a) The name and address of the manufacturer, registrant or person for whom manufactured;
 - (b) The name, brand or trade-mark under which said article is sold; and
 - (c) The net weight or measure of the content subject, however to such reasonable variations as the Director may permit;
- (3) Any economic poison which contains any substance or substances in quantities highly toxic to man, determined as provided in KRS 217.580, unless the label shall bear, in addition to any other matter required by KRS 217.540 to 217.640:

- (a) The skull and crossbones;
- (b) The word "poison" prominently in red, on a background of distinctly contrast color; and
- (c) A statement of an antidote for the economic poison;
- (4) The economic poisons commonly known as lead arsenate, basic lead arsenate, calcium arsenate, magnesium arsenate, zinc arsenate, zinc arsenite, sodium fluoride, sodium fluosilicate, and barium fluosilicate unless they have been distinctly colored or discolored as provided by regulations issued in accordance with KRS 217.540 to 217.640, or any other white powder economic poison which the Director, after investigation of and after public hearing on the necessity for such action for the protection of the public health and the feasibility of such coloration or discoloration, shall by regulation, require to be distinctly colored or discolored; unless it has been so colored or discolored; provided, that the Director may exempt any economic poison, to the extent that it is intended for a particular use or uses, from the coloring or discoloring required or authorized by this subsection if he determines that such coloring or discoloring for such use or uses is not necessary for the protection of the public health;
- (5) Any economic poison which is adulterated or misbranded, or any device which is misbranded. (1956, c. 218, 2; effective July 1, 1956)

217.560 Unlawful practices. It shall be unlawful:

(1) For any person to detach, alter, deface, or destroy, in whole or in part, any label or labeling provided for in KRS 217.540 to 217.640 or the rules and regulations promulgated hereunder, or to add any substance to, or take any substance from an economic poison in a manner that may defeat the purposes of KRS 217.540 to 217.640;

(2) For any person to use for his own advantage or to reveal, other than to the Director, or officials or employees of the state or officials or employees of the United States Department of Agriculture, or other Federal agencies, or to the courts in response to a subpoena, or to physicians, and in emergencies to pharmacists and other qualified persons for use in the preparation of antidotes, in accordance with such directions as the Director may prescribe, any information relative to formulas of products acquired by authority of KRS 217.570;

(3) For any person to oppose or interfere in any way with the Director or his duly authorized agents in carrying out the duties imposed by KRS 217.540 to 217.640 (1956 c. 218, 3; effective July 1, 1956)

217.570 Registration of economic poisons; renewal.

(1) Every economic poison which is distributed, sold or offered for sale within this state or delivered for transportation or transported in intrastate commerce or between points within the state through any point outside this state shall be registered with the Director. The Director may register and permit the sale of any such economic poison which has been duly registered without protest under the provisions of the Federal Insecticide, Fungicide and Rodenticide Act, but products so registered shall be subject to the inspection fees provided for herein, and to all other provisions of KRS 217.540 to 217.640. All registration of products shall expire on the thirty-first day of December following date of issuance, unless such registration shall be renewed annually, in which event expiration date shall be extended for each year of renewal registration, or until otherwise terminated; provided that:

(a) Products which have the same formula, and are manufactured by the same person, the labeling of which contains the same claims, and the labels of which bear a designation identifying the product as the same economic poison may be registered as a single economic poison; additional names and labels shall be added by supplement statements during the current period of registration.

(b) Within the discretion of the Director, or his authorized representative, a change in the labeling or formulas of an economic poison may be made within the current period of registration, without requiring a re-registration of the product, provided the name of the item is not changed.

(2) The registrant shall file with the Director, a statement containing:

(a) The name and address of the registrant and the name and address of the person whose name will appear on the label, if other than the registrant;

(b) The name of the economic poison;

(c) A complete copy of the labeling accompanying the economic poison and a statement of all claims made and to be made for it including directions for use; and

(d) If requested by the Director, a full description of the tests made and results thereof upon which the claims are based. In the case of renewal of registration, a statement shall be required only with respect to information which is different from that

furnished when the economic poison was registered or last re-registered;

(3) The registrant, before selling or offering for sale any economic poison in this state, shall register each brand or grade of such economic poison with the Director upon forms furnished by the Director, and for the purposes of defraying expenses connected with the enforcement of KRS 217.540 to 217.640, shall pay to the Director an annual inspection fee of five dollars for each and every brand or grade to be offered for sale in this state provided, however, that any registrant may register annually any number of brands after the payment of annual fees aggregating fifty dollars. There shall be issued to the registrant by the Director a license entitling the registrant to sell all duly registered brands in this state until the expiration of the license;

(4) The Director, whenever he deems it necessary in the administration of KRS 217.540 to 217.640, may require the submission of the complete formula of any economic poison. If it appears to the Director that the composition of the article is such as to warrant the proposed claims for it and if the article and its labeling and other material required to be submitted comply with the requirements of KRS 217.540 to 217.640, he shall register the article;

(5) If it does not appear to the Director that the article is such as to warrant the proposed claims for it or if the article and its labeling and other material required to be submitted do not comply with the provisions of KRS 217.540 to 217.640, he shall notify the registrant of the manner in which the article, labeling, or other material required to be submitted fail to comply with KRS 217.540 to 217.640, so as to afford the registrant an opportunity to make the necessary corrections;

(6) If, upon receipt of such notice, the registrant insists that such corrections are not necessary and requests in writing that the article be registered, the commissioner shall register the article under protest, and such registration shall be accompanied by a warning in writing to the registrant of the apparent failure of the article to comply with the provisions of KRS 217.540 to 217.640;

(7) The Director is authorized and empowered to refuse to register, or to cancel the registration of, any brand of economic poison as herein provided, upon satisfactory proof that the registrant has been guilty of fraudulent and deceptive practices in evasions or attempted evasions of the provisions of KRS 217.540 to 217.640 or any rules and regulations promulgated thereunder; provided, that no registration shall be revoked or refused until the registrant shall have been given a hearing by the Director;

(8) Notwithstanding any other provisions of KRS 217.540 to 217.640, registration is not required in the case of an economic poison shipped from one plant within this state to another plant within this state operated by the same person. (1956, c. 218, 5; effective July 1, 1956)

217.580 Authority of Director.

(1) The Director is authorized, after opportunity for a hearing:

(a) To declare as a pest any form of plant or invertebrate animal life or virus which is injurious to plants, animals, articles or substances;

(b) To determine whether economic poisons are highly toxic to man;

(c) To determine standards of coloring or discoloring for economic poisons and to subject economic poisons to the requirements for coloration or discoloration imposed by KRS 217.540 to 217.640;

(2) The Director is further authorized:

(a) To effect the collection and examination of samples of economic poisons and devices to determine compliance with the requirements of KRS 217.540 to 217.640; and he shall have the authority at all reasonable hours to enter into any car, warehouse, store, building, boat, vessel or place supposed to contain economic poisons or devices, for the purpose of inspection or sampling, and to procure samples for analysis or examination from any lot, package or parcel of economic poison, or any device;

(b) To publish from time to time, in such forms as he may deem proper, reports of the results of the analyses based on official samples of economic poisons sold within the state;

(c) After due public hearing, to make, promulgate, alter, change, rescind such rules and regulations relating to the sale and distribution of economic poisons as he may find necessary to carry into effect the full intent and meaning of KRS 217.540 to 217.640;

(d) To cooperate with, and enter into agreements with, any other agency of this state, the United States Department of Agriculture, and any other state or agency thereof for the purpose of carrying out the provisions of KRS 217.540 to 217.640 and securing uniformity of regulations. (1956, c. 218, 6; effective July 1, 1956)

217.590 Violation of KRS 217.540 to 217.640, duties of Director relating to; penalties.

(1) If it shall appear from examination or evidence that any of the provisions of KRS 217.540 to 217.640 or the rules and regulations issued thereunder have been violated, the Director may cause notice of such violations to be given to the registrant, distributor and processor, from whom any samples or evidence was taken. Any party so notified shall be given an opportunity to be heard under such rules and regulations as may be prescribed by the Director. If it appears after such hearing that there have been a sufficient number of violations of KRS 217.540 to 217.640 or the rules and regulations issued thereunder, the Director may certify the facts to the Commonwealth's attorney or the county attorney for the county in which the violation shall have occurred and furnish that officer with a copy of the results of any examination of such sample duly authenticated by the officer making the examination. It shall be the duty of every such attorney to whom the Director shall report any violation of KRS 217.540 to 217.640 to cause proceedings to be prosecuted without delay for the fines and penalties in such cases. Any person convicted of violating any provisions of KRS 217.540 to 217.640 or the rules and regulations issued thereunder shall be adjudged guilty of a misdemeanor and shall be subject to a penalty of not less than twenty-five dollars nor more than five hundred dollars;

(2) Nothing in this section shall be construed as requiring the Director to report minor violations for the institution of proceedings under KRS 217.540 to 217.640 whenever the Director believes that the public interest will be adequately served in the circumstances by a suitable written notice or warning. (1956, c. 218, 7; effective July 1, 1956)

217.600 When penalties not applicable. The penalties provided for violations of KRS 217.550 shall not apply to:

(1) Any carrier, while lawfully engaged in transporting an economic poison within this state, if such carrier shall, upon request, permit the Director or his designated agent to copy all records showing the transactions in and movements of the articles;

(2) Public officials of this state and of the federal government engaged in the performance of their official duties;

(3) The manufacturer or shipper of an economic poison for experimental use only:
(a) By or under the supervision of an agency of this state or of the federal government authorized by law to conduct research in the field of economic poisons; or

(b) By others if the economic poison is not sold and if the container thereof is plainly and conspicuously marked "For experimental use only - Not to be sold," together with the manufacturer's name and address' provided, however, that if a written permit has been obtained from the Director, economic poisons may be sold for experimental purposes subject to such restrictions and conditions as may be set forth in the permit;

(4) Any preparation, drug or chemical intended to be used or sold solely for medicinal use or for toilet purposes. (1956, c. 218, 8; effective July 1, 1956)

217.610 Director to issue written "stop sale, use or removal" order; when; appeal.

It shall be the duty of the Director to issue and enforce a written or printed "stop sale, use or removal" order to the owner or custodian of any lot of economic poison and to hold at a designated place when the Director finds said economic poison is being offered or exposed for sale in violation of any of the provisions of KRS 217.540 to 217.640 until the law has been complied with and said economic poison is released in writing to the Director or said violation has been otherwise legally disposed of by written authority; provided, that the owner or custodian of such economic poison shall have the right to appeal from such order to a court of competent jurisdiction in the county where the said economic poison or poisons are found, praying for a judgment as to the jurisdiction of said order, and for the discharge of such economic poison from the order prohibiting the sale in accordance with the findings of the court; and provided further that the provisions of this paragraph shall not be construed as limiting the right of the enforcement officer to proceed as authorized by other provisions of KRS 217.540 to 217.640. The Director shall release the economic poison so withdrawn when the requirements of the provisions of KRS 217.540 to 217.640 have been complied with and upon payment of all costs and expenses incurred in connection with the withdrawal. (1956, c. 218, 9; effective July 1, 1956)

217.620 Seizure of economic poison; when. Any lot of economic poison not in compliance with the provisions of KRS 217.540 to 217.640 shall be subject to seizure on complaint of the Director to a court of competent jurisdiction in the county in which said economic poison is located. In the event the court finds the said economic poison

to be in violation of KRS 217.540 to 217.640 and orders the condemnation of said economic poison, it shall be disposed of in any manner consistent with the quality of the economic poison and the laws of the state, provided, that in no instance shall the disposition of said economic poison be ordered by the court without first giving the claimant an opportunity to apply to the court for release of said economic poison or for permission to process or relabel said product to bring it into compliance with KRS 217.540 to 217.640. (1956, c. 218, 10; effective July 1, 1956)

217.630 Authority vested in Director may be executed by employees of Agricultural Experiment Station. All authority vested in the Director by virtue of the provisions of KRS 217.540 to 217.640 may, with like force and effect, be executed by such employees of the Kentucky Agricultural Experiment Station as the Director may from time to time designate for said purpose. (1956, c. 218, 11; effective July 1, 1956)

217.640 Jurisdiction vested in Director; repealing clause. Jurisdiction in all matters pertaining to the distribution, sale and transportation of economic poisons is by KRS 217.540 to 217.640 vested exclusively in the Director and all acts and parts of acts inconsistent with KRS 217.540 to 217.640 are hereby expressly repealed including the provisions of Sections 217.010 and 217.400 of the Kentucky Revised Statutes which cover economic poisons subject to KRS 217.540 to 217.640. (1956, c. 218, 13; effective July 1, 1956)

4M-4-65