NATIONAL SOILS MONITORING PROGRAM

FOR

PESTICIDE RESIDUES

FY 1969

JULY 1, 1972

UNITED STATES

ENVIRONMENTAL PROTECTION

AGENCY

Washington, D. C.

NATIONAL SOILS MONITORING PROGRAM FOR PESTICIDE RESIDUES-FY 1969

G. B. Wiersma[1], H. Tai[2], and P. F. Sand[3]

ABSTRACT

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INTRODUCTION

The National Soils Monitoring Program is an integral part of the National Pesticide Monitoring Program (NPMP). The NPMP was initiated as a result of the recommendations made by the President's Science Advisory Committee report of 1964, entitled "Use of Pesticides". The committee recommended that the appropriate Federal agencies "develop a continuing network to monitor residue levels in air, water, soil, man, wildlife, and fish" (1).

The objectives of the NPMP are to determine levels and trends of pesticides in the various components of the environment (2). This will result in the establishment of baseline or background levels of pesticide residues which in turn can be used as a basis for comparison of subsequently identified pesticide residue levels in an environmental component.

The NPMP (2) lists five bases for concern to be used in evaluating pesticide residue levels. They are:

1. Any concentration of a pesticide known to be potentially harmful
2. Increasing trends
3. Exceeding standards (where they exist)
4. Recognition of adverse effects on humans
5. Erratic variability[1]

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1 A statistically oriented observation that is potentially common to each stratum sampled.

The results of this study meet the first objective of the NPMP by establishing a baseline of pesticide residues in cropland soils at a particular point in time. Subsequent soil sampling will enable us to meet the second objective.

The present data and all future data will be reviewed bearing in mind the five bases of concern outlined above.

SAMPLING PROCEDURES & METHODS

In general, techniques involved in this study were the same as those employed by Wiersma et al. (3).

In FY 1969 cropland soil was sampled in all states except Alaska, Hawaii, Kansas, Minnesota, Montana, Oregon and Texas. Noncropland was sampled in Arizona, Georgia, Idaho, Iowa, Maine, Maryland, Nebraska, Virginia, Washington, West Virginia and Wyoming. Samples collected in the year of the study included both soil and crop. Only those crops that were mature and/or ready for harvest at time of collection were sampled.

ANALYTICAL PROCEDURES

ORGANOCHLORINE AND ORGANOPHOSPHOROUS COMPOUNDS

1. Preparation of sample

A subsample of 300 g wet weight of soil was placed in a 2-quart fruit jar with 600 ml of 3:1 hexane-isopropanol solvent. The jars were sealed and rotated for 4 hours. After rotation, the soil was allowed to settle and 200 ml of the extract solution was filtered into a 500 ml separatory funnel.

Isopropanol was removed with two washings of distilled water. The remaining solution was then filtered through a funnel containing glass wool and anhydrous sodium sulfate (Na_2SO_4). Further cleanup was normally not required before analysis.

2. Gas-liquid chromatography

Analyses were performed on gas chromatographs equipped with tritium foil electron affinity detectors for organochlorine compounds and thermionic or flame photometric detectors for organophosphorous compounds. A dual column system employing polar and nonpolar columns was utilized to identify and confirm pesticides. Instrument parameters were as follows:

(a) Column: glass 6 mm o.d. x 4 mm i.d., 183 cm long, packed with one of the following:

3% DC-200 on 100/120 mesh Gas-Chrom Q

9% QF-1 on 100/120 mesh Gas-Chrom Q

(b) Carrier gas: 5% methane-argon at a flow rate of 8 ml/min.

(c) Temperature:

Detector:	200°C
Injection Port:	250°C
Column QF-1:	166°C
Column DC-200:	170-175°C

When necessary, confirmation of residues was made by thin-layer chromatography, or p-values. The lower limit of detection is 0.01 ppm. The data are corrected for recovery. The average recovery rate for all pesticides was 100% plus or minus 10%. All residue data are also corrected to dry weight basis.

ATRAZINE

1. Preparation of sample

After a 4-hour Soxhlet extraction of a 50 g subsample of soil with 25 ml of water and 300 ml of methanol, the sample extract was transferred to a 1-liter separatory funnel and 200 ml of water added.

The sample extract was partitioned three times with a portion of 150 ml of freon 113 for each partitioning. The freon 113 fractions were combined and concentrated to incipient dryness. The sample was then dissolved in hexane, adjusted to a 5 ml volume and injected into a gas-liquid chromatograph.

2. Gas-liquid chromatography

Thermionic flame detector with rubidium sulfate coating on a helix coil was used. Instrument parameters were as follows:

(a) Column: glass 6 mm o.d. x 4 mm i.d., 183 cm long, packed with 3% Versamid 900 on 100/120 mesh Gas-Chrom Q

(b) Carrier gas: helium

(c) Detector fuel gas: oxygen (200-300 ml/min.), hydrogen (20-30 ml/min.)

(d) Temperature:

Detector:	240°C
Injection Port:	240°C
Column:	240°C

Confirmation was made using a DC-200 column at 180°C and a Coulson detector (reductive mode) at the following temperature settings:

Pyrolysis tube:	850°C
Transfer line:	220°C
Block:	220°C

2,4-D

Analyses were made following the procedure developed by Woodham (4). The analytical method involved a diethyl ether extraction of acidified soil, an alkali wash to remove interfering substances, and an esterification procedure using 10% boron trichloride in 2-chloroethanol reagent. The 2-chloroethyl ester of 2,4-D was then analyzed by gas chromatography.

ARSENIC

Arsenic was determined by atomic absorption spectrophotometry. The soil sample was first extracted with 9.6N hydrochloric acid (HCL) and reduced to trivalent arsenic with stannous chloride. The trivalent arsenic was partitioned from HCL solution to benzene, then further partitioned into water for the absorption measurement. A Perkin-Elmer Model

303 instrument was used, absorbance being measured with an arsenic lamp at 1972 Å with argon as an aspirant to an air-hydrogen flame. Recovery value for arsenic averaged 50%.

RESULTS

The data in this report are for soils only, and are presented in the tables for all states sampled in the study. The data are further divided between cropland and noncropland. Caution should be exercised when interpreting the arithmetic means presented in the tables. Pesticide residue data are not normally distributed and the arithmetic means for pesticide residues tend to be greater than the corresponding median. Therefore, they cannot be considered an indication of the central tendency of the data. Information accompanying the arithmetic means in this report such as the percent of occurrence, range and number of observations can aid in evaluating the arithmetic mean.

RESIDUES-ALL STATES

Soil residues are summarized in a variety of ways. They include arithmetic means, the percent of times a detectable residue was found and the range of detected residues. The residue summaries for cropland for all 43 states are presented in Table 1. The means given are arithmetic. The lower limit of sensitivity, as stated earlier, is 0.01 ppm, and this was used

to calculate the percent of times a detectable residue was found. DDTR is a compilation of all the members of the DDT group.

Elemental arsenic residues were found most frequently, with a percent of occurrence of 99.3 and a mean level of 6.4 ppm. It is probable that the majority of this arsenic was from natural sources, although cultural sources cannot be ruled out at this time.

The most widely distributed pesticide was dieldrin, with 27.8% of the samples having detectable residues. It was followed closely by the total DDT residues (DDTR). Aldrin was found in 10.9% of the samples and chlordane in 8.7% of the samples.

The highest mean residue was DDTR, with 0.31 ppm found in cropland soils. With the exception of individual members of the DDT group, the other pesticides had average residues ranging from below the limits of sensitivity to 0.07 ppm.

The figures for atrazine, 2,4-D and the organophosphates (Table 1) are not truly comparable with those generated for the chlorinated hydrocarbons or arsenic, because analyses for atrazine and 2,4-D were made only when the use records indicated they had been applied. Analyses for organophosphates were made on only 66 of the 1729 samples.

With this in mind, note that ethyl parathion was detected 10.6% of the time, with a mean residue of 0.06 ppm. Malathion and diazinon were each detected 3.0% of the time with mean residue levels from below the limits of sensitivity to 0.01 ppm.

One-hundred-eighty-eight chemical analyses were made for 2,4-D and the other chlorophenoxy herbicides. 2,4-D was the only one detected, and it was found in 1.6% of the samples with a mean pesticide level less than 0.01 ppm. Atrazine was detected in 14.1% of the samples with a mean residue level of 0.01 ppm. This herbicide had the highest mean residue of the herbicides detected. Trifluralin was detected in 3.5% of the samples with a mean residue level of less than 0.01 ppm.

The residues found in noncropland soils for the 11 previously listed states are presented in Table 2. The mean arsenic residue was 5.0 ppm occurring in 98.5% of the samples. DDTR was detected in 16.1% of the noncropland soils. DDTR residues ranged from 0.01 to 0.62 ppm with a mean residue level of 0.01 ppm. With the exception of members of the DDT group, dieldrin was the most widely distributed pesticide, occurring in 4.0% of the samples with residues ranging between 0.01 to 0.09 ppm and a mean residue level less than the detectable limits of the chemical assay.

It is possible to estimate the total amount of certain pesticides present in cropland soil. This has been done for dieldrin, aldrin and DDTR, three of the most commonly occurring pesticide residues. A weighted mean was calculated using the individual state averages. The data were transformed using a log (X+.01) transformation and the geometric mean and 95% confidence intervals were calculated.

Since soil cores were 3 inches deep, and an acre of soil with this depth weighs approximately one million pounds, residue figures in parts per million can be directly converted to pounds per acre. Total acres in crops were obtained from "Agricultural Statistics 1970" (5). Figures for acreage used to estimate the amounts of pesticides shown in Table 3 were for the 48 coterminous states and included all cropland used for crops or cropland idle or in cover crops; but did not include cropland used only for pasture since this category was not included under cropland in the original sampling design. The total estimated acreage was approximately 387 million acres.

The use records collected in this study do not lend themselves readily to a statistical estimate of the total tons of DDT applied; therefore, the use records from the Economic Research Service (ERS) (6) are used for comparison purposes. ERS estimated that farmers used approximately 14,950 tons of DDT in 1966. In our study, 10,565 tons of DDTR were detected in soil. This is approximately 71% of the total used in 1966. The amount of DDT actually used in 1968 was probably less than that used in 1966, since there has been a general decline in its use. ERS also estimated that 7,742 tons of aldrin/dieldrin were used by farmers in 1966. In 1968, 4,180 tons of dieldrin and 3,889 tons of aldrin were detected as residues in cropland soil. The combined aldrin/dieldrin residues were 8,069 tons or 104% of the total amount applied in 1966.

Clearly considerable amounts of DDTR, aldrin and dieldrin are present in the upper 3 inches of cropland soil. The fate and impact of these residues cannot be evaluated at this time.

RESIDUES-INDIVIDUAL STATES

The pesticide residue summaries for cropland by individual states are given in Table 4 and similar results for noncropland in Table 5. It would be impractical to attempt to comment on the results for each state. Therefore, in order to facilitate summarizing the data, Figures 1, 2 and 3 are presented. These are for three of the most commonly occurring residues, arsenic, DDTR and dieldrin. Means for each pesticide in each state were calculated, and distribution of these averages are indicated on the corresponding figures.

The class intervals for the keys accompanying each figure were obtained in the following manner. The range of residues for the nation was obtained and the highest value was converted to a logarithm. This value was then divided by the number of desired classes. The resulting intervals were added to obtain the class boundaries which in turn were converted to the untransformed dimensions. Essentially, this took advantage of the fact that most residue data are logarithmically distributed.

Distribution of arsenic residues across the United States is presented in Figure 1. The highest residue levels were found in the New England states[1], Arkansas, Kentucky, New York, North Dakota, Ohio and Pennsylvania. These states and groups of states had mean residues of arsenic greater than 8.4 ppm. The remaining residues were distributed primarily in the 2.0 to 8.4 ppm range, with Wyoming and Florida having less than 2.0 ppm. Those states left blank were not sampled.

The distribution of DDT residues (DDTR) is shown in Figure 2. Once again, the key indicates the range of residues for each of the class intervals. A similar map for dieldrin residues is presented in Figure 3.

A comparison of the mean residues, the percent of times detected and the range for the 12 states with the highest arsenic residues are shown in Table 6.

The five states with the highest DDTR residues are presented in Table 7. Although Michigan has a mean residue of 2.09 ppm and a range of 0.01 to 78.36 ppm, only 23.5% of the samples had detectable residues, indicating that the residues were not widely distributed. Mississippi had a mean residue of 2.06 ppm with 89.7% of its sites having detectable residues. Also, the range was narrower,

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1 Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island and Vermont.

running between 0.03 to 13.14 ppm. This indicates a much wider distribution of pesticide residues in Mississippi than in Michigan.

The seven states with the highest dieldrin residues are shown in Table 8. The highest mean residue, 0.11 ppm, was found in Illinois, with 61.3% of the sites having detectable residues. In general, the other six states tended to have mean residues approximating one another and ranging between 0.06 to 0.08 ppm.

PESTICIDE USE RECORDS

When soil samples were collected, an attempt was made to determine what pesticides had been used on the sites for the year of sampling. The summary tables for the use records show the percent of times a pesticide was used, the average application rate expressed in pounds per acre of the active ingredients, and the average amount. This last figure was determined by dividing the total amount of active ingredient of a pesticide used by the total number of sites surveyed.

Table 9 shows 130 different pesticides reported to have been used in the year of sampling. Those most commonly used were atrazine, captan, 2,4-D, malathion and methylmercury dicyandiamide. DDT was used on 3.44% of the sites, aldrin on 4.16% of the sites and dieldrin on 1.19% of the sites.

On noncropland sites 2,4-D, malathion and mirex were reported to have been used (Table 10). However, these should not be considered

the only pesticides used on noncropland sites. In general, records kept for treatment of noncropland sites are less accurate than those kept for cropland. The breakdown of pesticide usage by individual states for cropland and noncropland, respectively, are shown in Tables 11 and 12.

Because of the number of states and pesticides presented in Tables 11 and 12, it is difficult to make all possible comparisons between the use patterns indicated and the detected residues shown in Tables 4 and 5. Therefore, we have restricted our comparison to those states having the highest residues as shown in Figures 1, 2 and 3.

Table 13 compares those states having the highest arsenic residues with the average amount applied per site and the percent of sites which reported using an arsenic compound. There does not seem to be a relationship between the amount of arsenic applied and the amount detected in the soil. Arkansas, Kentucky, North Dakota and Ohio reportedly used no arsenic compounds, whereas New England, New York and Pennsylvania reported using sodium arsenite and lead arsenate. The application rates were below the detected levels, and the percent of times used was below the percent of times residues were detected. It also must be considered that the application rates were for the active ingredients of sodium arsenite

and lead arsenate, and not for elemental arsenic alone. A fair assumption would be that most arsenic residues detected in cropland soils probably resulted from natural levels of arsenic.

A similar comparison for the five states with the highest DDTR residues is found in Table 14. In this case, there is not the confusing factor of natural levels of DDTR as there is with arsenic. We can assume that DDTR detected in the soil resulted from the activities of man, either in the year of sampling or in previous years. Note that of the five states listed, California, Michigan, Mississippi and South Carolina have application rates less than the mean amount detected in the soil. It is also interesting to compare the percent of sites which reported using technical DDT in the year of sampling. The percent of times residues were detected was approximately three or more times greater than the percent of times farmers reported using DDT.

Table 15 shows the seven states with the highest dieldrin residues. In most cases, the average amount of aldrin/dieldrin applied approximated the mean residue of dieldrin detected in the soil, but the percent of times which dieldrin or aldrin were reported used was always considerably less than the percent of times detected. This wider distribution of dieldrin residues, when compared to use records for the year of sampling, probably indicates residues from previous years.

PESTICIDE FREQUENCY DISTRIBUTION

The statistics discussed so far about residue data, namely the mean, the range and the percent of times that the residues were detected, do not describe their distribution. One way to describe this distribution is through the use of probit analysis. The residue levels were ranked from lowest to highest, accumulated, and the percentages computed. The residues were transformed to logarithms, the percentages to probits, and the relationship between the logarithms of the residues and the probits of the accumulated percentages was calculated by regression analysis. The computer program used was that of Daum (8). The theory and techniques as applied in the cited reference were modified slightly.

The distribution for the individual pesticides in soil for each state, and the residue levels along with the upper and lower 95% fiducial limits are presented in Table 16. An example will show how the tables are read. In the state of Alabama, the 50 percentile point for arsenic was 4.09 ppm. Thus, 50% of the sites had residues less than 4.09 ppm. A similar interpretation is applicable to any of the percentile levels found in Table 16. The upper and the lower fiducial limits of the residues establish the 95% confidence interval about the residue value for that percentile. It should be noted that the mean for a particular state, is not the same as the 50 percentile point from the

frequency distribution. For example, the mean level of arsenic for Alabama was 6.1 ppm, while the frequency distribution gives 4.09 ppm for the 50 percentile point. In other words, approximately 70% of the sites had residues less than the arithmetic mean. This is an example of the fact that residue data are not normally distributed and the mean and median are not identical.

Not all pesticides are shown for all states. A cut-off point of six or more pairs of observations was used to eliminate situations where there were too few observations to calculate a reliable distribution.

CROPPING REGIONS ANALYSIS

The data were grouped by counties into various cropping regions, and these are shown in Tables 17 and 18. The basis for the boundaries of the various cropping areas was from a major land use map of the United States compiled by F. J. Marschner, of the U.S. Department of Agriculture, Bureau of Agricultural Economics, 1950. No effort was made to make a land use division within counties. This resulted in a good definition of the larger land use areas such as the corn belt and cotton-growing areas. The land in the United States was grouped into several major land use areas--corn, cotton, fruit, general farming, hay, small grain, and vegetables. In some cases, two areas overlapped. Irrigated land was determined from information obtained at the time of sample collection in this study.

It is of interest to make a few individual comparisons between the cropping regions and the national means. For example, note that in the corn region, aldrin occurs 23.5% of the time (Table 18) with a mean residue level of 0.05 ppm (Table 17). However, nationally, aldrin only occurs 10.9% of the time with a mean level of 0.02 ppm (Table 1), an indication of the heavier use of aldrin in the corn region. But, in the corn region, the mean residue level of DDT is 0.14 ppm which is well below the national mean of 0.31 ppm. Atrazine in the corn region has a mean residue level of 0.02 ppm with 14.5% of sites having detectable residues. This approximates closely the figure presented in Table 1 for atrazine in all the states.

The vegetable and fruit cropping region has the highest level of DDTR, over two times higher than the next highest cropping region and over six times higher than the national mean for DDTR. This might result from a high use of DDT in various orchard operations. The next highest residue is found in the cotton and vegetable region, with approximately equal amounts detected between them. The rest of the amounts of DDT in the cotton and general farming, general farming, hay and general farming, and irrigated land are within close proximity to one another. The two areas with the least amount of DDT in the soil are the corn and small grains cropping regions.

The corn, vegetable, and vegetable and fruit cropping regions have the heaviest residues of dieldrin. Residues of dieldrin in the other cropping regions are either equal to or below the mean residues detected for all states (Table 1).

The highest toxaphene residues were found in the cotton cropping region. The cotton and general farming, and general farming cropping regions have residue levels of about half those detected in the cotton cropping region.

(1) Bennett, I. L. 1967. Foreword. Pestic. Monit. J. 1(1).

(2) Panel on Pesticide Monitoring. 1971. Criteria for defining pesticide levels to be considered an alert to potential problems. Pestic. Monit. J. **5**:36.

(3) Wiersma, G. B., P. F. Sand and E. L. Cox. 1971. A sampling design to determine pesticide residue levels in soils of the conterminous United States. Pestic. Monit. J. 5:63-66.

(4) Woodham, W. 1971. An improved gas chromatograhic method for the analysis of 2,4-D free acid in soil. J. Agric. Food Chem. 19:186-188.

(5) Anon. 1970. Agricultural Statistics 1970. United States Government Printing Office, Washington,D.C. 627 p.

(6) Eichers, T. et al. 1970. Quantities of pesticides used by farmers in 1966. USDA Economic Research Service. Agricultural Economic Report No. 179. 61 p.

(7) Fowler, L. D., J. N. Mahan and H. H. Shepard. 1969. The pesticide review. 1969. USDA Agricultural Stabilization and Conservation Service. 48 p.

(8) Daum, R. L. 1970. Revision of two computer programs for probit analysis. Bull. Entomol. Soc. Am. 16:10-15.

FIGURE 1
CROPLAND-- ARSENIC RESIDUES

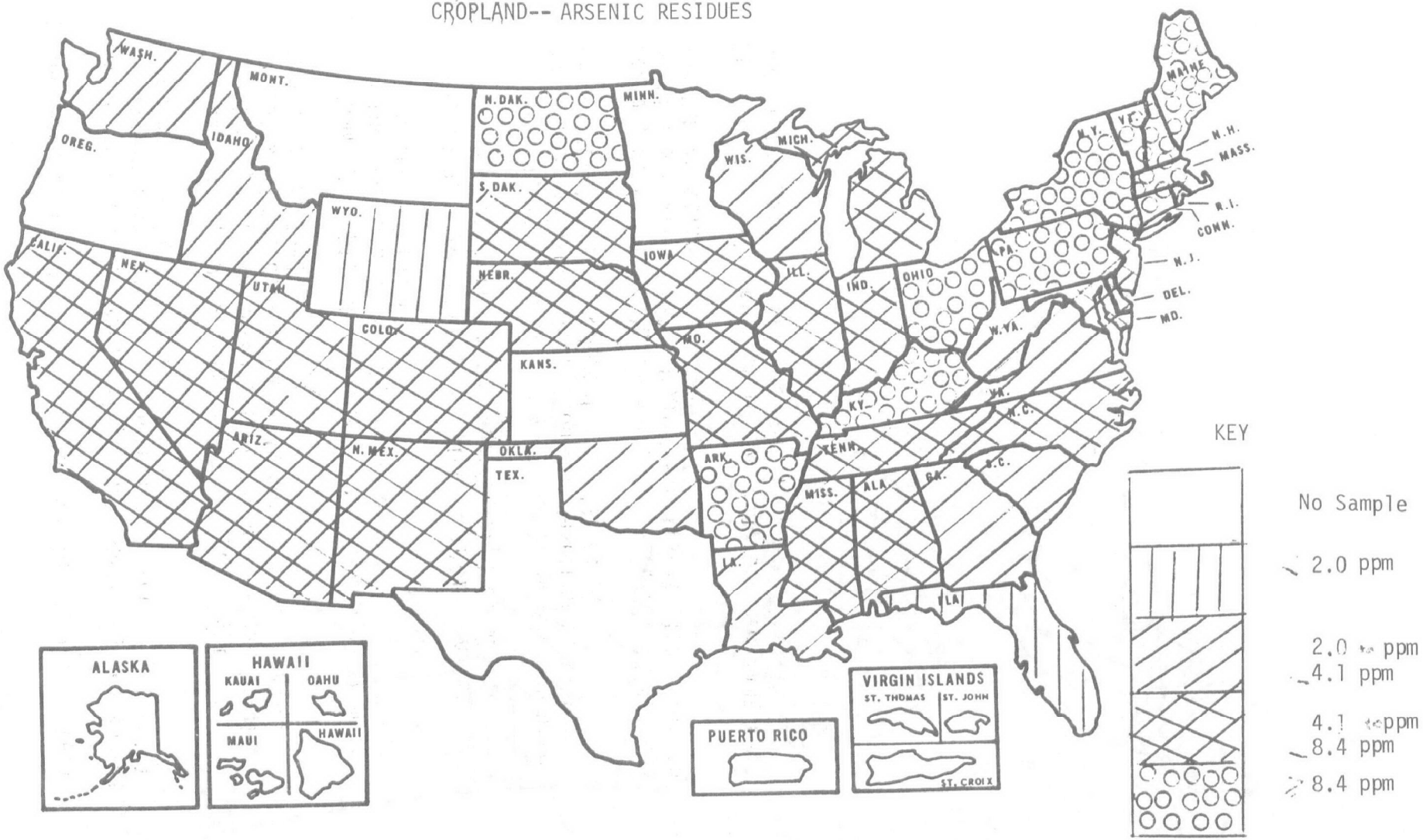

FIGURE 3
CROPLAND--DIELDRIN RESIDUES

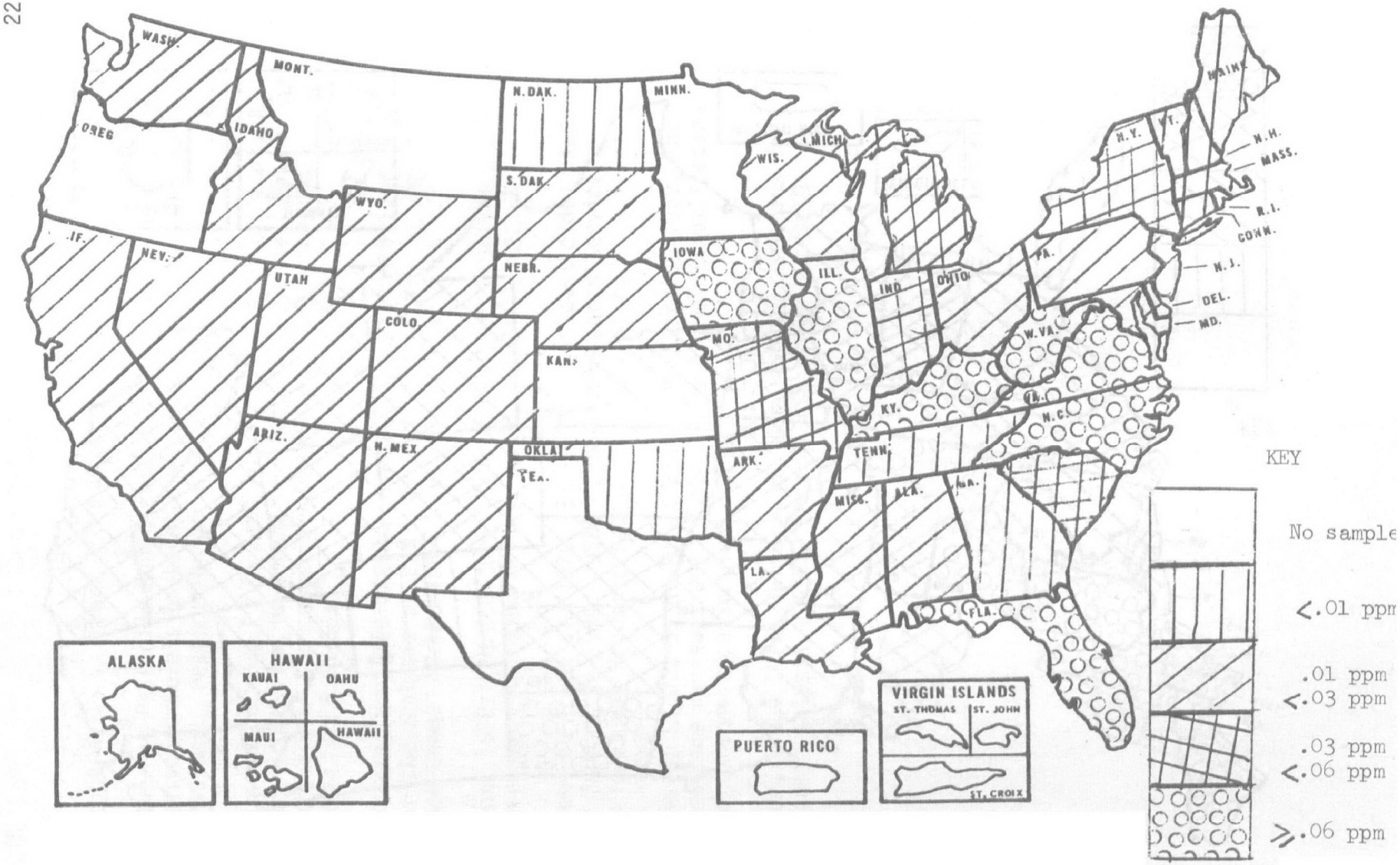

FIGURE 2
CROPLAND--DDTR RESIDUES

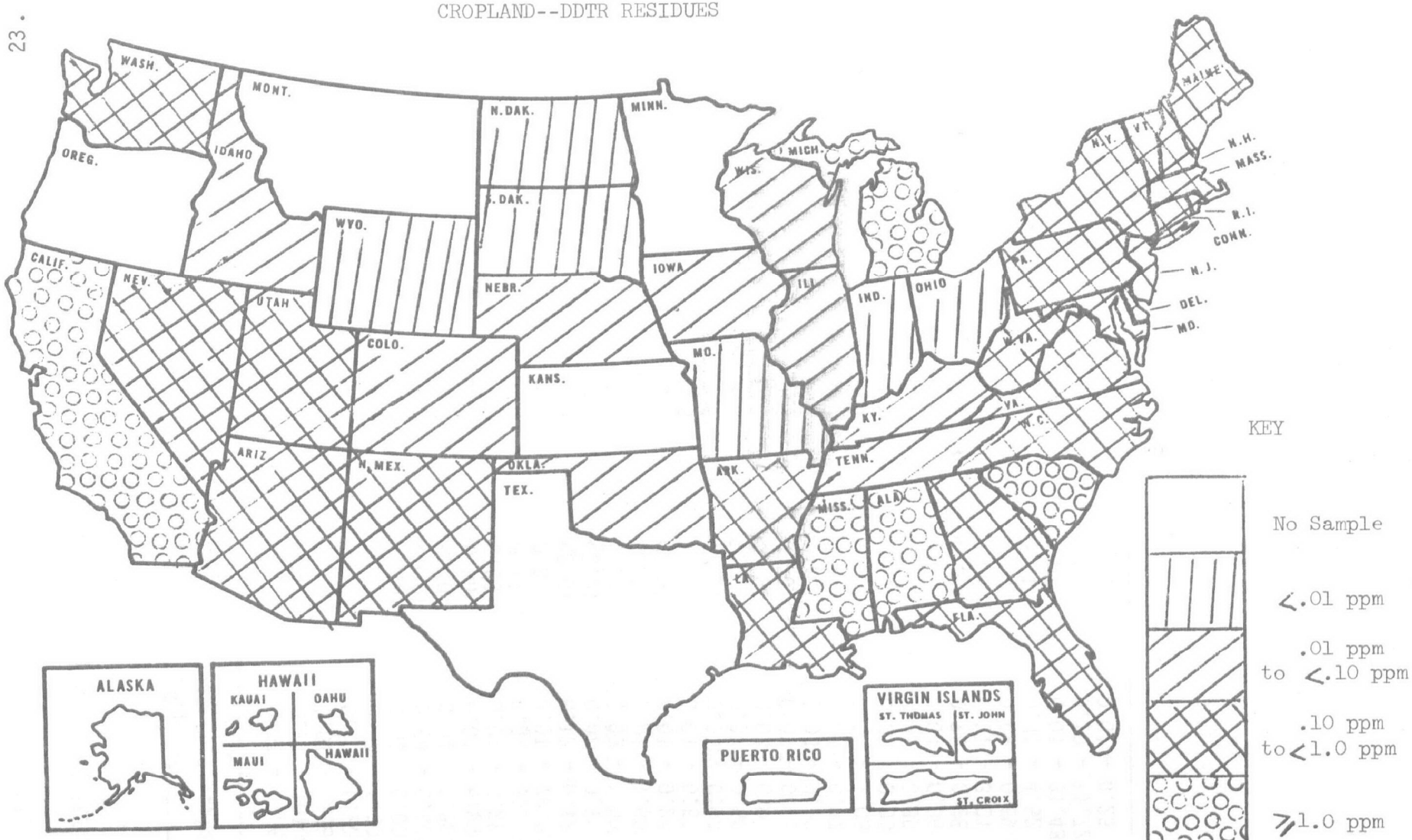

TABLE 1. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL FOR ALL STATES

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	1729	10.9	0.02	0.01 - 3.06
Arsenic	1726	99.3	6.43	0.25 - 107.45
Atrazine	199	14.1	0.01	0.01 - 1.55
Carbophenothion	66	1.5	<0.01	0.23 - 0.23
Chlordane	1729	8.7	0.04	0.01 - 6.30
2,4-D	188	1.6	<0.01	0.01 - 0.03
DAC	1729	0.1	<0.01	0.54 - 0.54
op'DDE	1729	4.6	<0.01	0.01 - 0.20
pp'DDE	1729	24.8	0.06	0.01 - 6.99
op'DDT	1729	14.1	0.03	0.01 - 6.29
pp'DDT	1729	22.2	0.17	0.01 - 35.92
DDTR	1729	26.1	0.31	0.01 - 78.36
DEF	1729	0.1	<0.01	0.12 - 0.12
Diazinon	66	3.0	<0.01	0.02 - 0.15
Dicofol	1729	0.5	<0.01	0.03 - 1.07
Dieldrin	1729	27.8	0.03	0.01 - 1.60
Endosulfan (I)	1729	0.3	<0.01	0.01 - 0.24
Endosulfan II	1729	0.5	<0.01	0.01 - 0.53
Endosulfan Sulfate	1729	0.6	<0.01	0.01 - 0.94
Endrin	1729	2.3	<0.01	0.01 - 0.56
Endrin Aldehyde	1729	0.1	<0.01	0.03 - 0.03
Endrin Ketone	1729	0.5	<0.01	0.01 - 0.13
Ethion	66	1.5	<0.01	0.03 - 0.03
Heptachlor	1729	3.9	<0.01	0.01 - 0.97
Heptachlor Epoxide	1729	8.0	<0.01	0.01 - 1.08
Isodrin	1729	0.6	<0.01	0.01 - 0.03
Lindane	1729	0.9	<0.01	0.01 - 0.35
Malathion	66	3.0	0.01	0.04 - 0.36
Methoxychlor	1729	0.1	<0.01	0.28 - 0.28
Ethyl Parathion	66	10.6	0.06	0.01 - 3.01
PCNB	1729	0.1	<0.01	0.69 - 0.69
op'TDE	1729	2.8	0.01	0.01 - 4.52
pp'TDE	1729	15.3	0.05	0.01 - 31.43
Toxaphene	1729	4.2	0.07	0.10 - 11.72
Trifluralin	1729	3.5	<0.01	0.01 - 0.25

TABLE 2. SUMMARY OF PESTICIDE RESIDUES IN NONCROPLAND SOIL FOR ALL STATES

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	199	0.5	<0.01	0.02 - 0.02
Arsenic	198	98.5	5.01	0.33 - 54.17
Chlordane	199	1.5	<0.01	0.04 - 0.50
op'DDE	199	0.5	<0.01	0.02 - 0.02
pp'DDE	199	13.6	0.01	0.01 - 0.31
op'DDT	199	3.5	<0.01	0.01 - 0.05
pp'DDT	199	9.1	0.01	0.01 - 0.23
DDTR	199	16.1	0.01	0.01 - 0.62
Dicofol	199	1.0	<0.01	0.10 - 0.29
Dieldrin	199	4.0	<0.01	0.01 - 0.09
Heptachlor Epoxide	199	1.0	<0.01	0.01 - 0.01
pp'TDE	199	3.0	<0.01	0.01 - 0.18
Toxaphene	199	0.5	<0.01	0.52 - 0.52

TABLE 3 . ESTIMATED TONS OF DDTR, DIELDRIN AND ALDRIN IN CROPLAND SOIL WITH THE 95% CONFIDENCE INTERVALS

Compound	Upper Limit	Mean	Lower Limit
DDTR	11668	10565	9558
Dieldrin	4412	4180	3967
Aldrin	3967	3889	3793

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL

ALABAMA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	23	100.0	6.11	0.70 - 28.60
Chlordane	22	13.6	0.04	0.07 - 0.62
op'DDE	22	4.6	<0.01	0.01 - 0.01
pp'DDE	22	86.4	0.17	0.01 - 0.72
op'DDT	22	72.7	0.09	0.01 - 0.65
pp'DDT	22	90.9	0.78	0.02 - 6.60
DDTR	22	90.9	1.13	0.05 - 8.08
Dieldrin	22	22.7	0.01	0.01 - 0.14
Endrin	22	9.1	<0.01	0.03 - 0.05
Heptachlor	22	9.1	<0.01	0.01 - 0.01
Heptachlor Epoxide	22	13.6	<0.01	0.01 - 0.04
Lindane	22	9.1	<0.01	0.01 - 0.01
op'TDE	22	4.6	<0.01	0.08 - 0.08
ppTDE	22	59.1	0.07	0.01 - 0.73
Toxaphene	22	27.3	0.69	0.68 - 4.95
Trifluralin	22	31.8	0.01	0.01 - 0.08

ARIZONA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Arsenic	8	100.0	6.58	2.82 - 9.97
op'DDE	8	50.0	0.02	0.01 - 0.07
pp'DDE	8	100.0	0.46	0.06 - 0.84
op'DDT	8	62.5	0.07	0.08 - 0.17
pp'DDT	8	87.5	0.20	0.03 - 0.57
DDTR	8	100.0	0.76	0.06 - 1.56
Endosulfan (I)	8	12.5	0.03	0.24 - 0.24
Endosulfan II	8	12.5	0.07	0.53 - 0.53
Endosulfan Sulfate	8	12.5	0.04	0.29 - 0.29
Endrin	8	37.5	0.07	0.10 - 0.22
Endrin Ketone	8	25.0	0.01	0.01 - 0.07
pp'TDE	8	25.0	0.01	0.03 - 0.06
Toxaphene	8	75.0	1.09	0.57 - 4.27
Trifluralin	8	12.5	0.02	0.13 - 0.13

TABLE 4 . SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

ARKANSAS

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Aldrin	47	14.9	<0.01	0.01 - 0.06
Arsenic	47	100.0	8.98	1.70 - 28.25
op'DDE	47	10.6	0.01	0.01 - 0.07
pp'DDE	47	68.1	0.24	0.01 - 2.81
op'DDT	47	46.8	0.07	0.01 - 1.11
pp'DDT	47	68.1	0.29	0.01 - 3.28
DDTR	47	72.3	0.67	0.03 - 7.20
Dieldrin	47	25.5	0.02	0.01 - 0.24
Endrin	47	10.6	0.01	0.01 - 0.29
Endrin Ketone	47	4.3	<0.01	0.10 - 0.13
pp'TDE	47	57.5	0.07	0.01 - 1.19
Toxaphene	47	17.0	0.27	0.32 - 3.40
Trifluralin	47	8.5	0.01	0.01 - 0.20

CALIFORNIA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Aldrin	65	1.5	<0.01	0.03 - 0.03
Arsenic	65	100.0	5.15	0.74 - 23.67
Carbophenothion	17	5.9	0.01	0.23 - 0.23
Chlordane	65	3.1	0.01	0.10 - 0.32
DAC	65	1.5	0.01	0.54 - 0.54
op'DDE	65	36.9	0.01	0.01 - 0.14
pp'DDE	65	84.6	0.37	0.01 - 5.93
op'DDT	65	49.2	0.08	0.01 - 1.33
pp'DDT	65	73.9	0.54	0.01 - 11.09
DDTR	65	84.6	1.47	0.01 - 41.81
Diazinon	17	5.9	<0.01	0.02 - 0.02
Dicofol	65	9.2	0.02	0.03 - 1.07
Dieldrin	65	30.8	0.02	0.01 - 0.31
Endosulfan (I)	65	1.5	<0.01	0.01 - 0.01
Endosulfan II	65	7.7	<0.01	0.01 - 0.09
Endosulfan Sulfate	65	7.7	0.01	0.02 - 0.15
Endrin	65	13.9	0.01	0.01 - 0.16
Heptachlor Epoxide	65	12.3	<0.01	0.01 - 0.03
Lindane	65	3.1	<0.01	0.02 - 0.02
Ethyl Parathion	17	5.9	<0.01	0.02 - 0.02
op'TDE	65	20.0	0.09	0.01 - 4.52
pp'TDE	65	61.5	0.38	0.01 - 20.13
Toxaphene	65	15.4	0.16	0.16 - 2.07
Trifluralin	65	10.8	<0.01	0.01 - 0.10

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

COLORADO

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	60	1.7	<0.01	0.02 - 0.02
Arsenic	58	100.0	4.60	1.78 - 9.46
pp'DDE	60	11.7	0.01	0.01 - 0.17
op'DDT	60	3.3	<0.01	0.01 - 0.03
pp'DDT	60	8.3	0.01	0.01 - 0.22
DDTR	60	13.3	0.01	0.01 - 0.42
Dieldrin	60	8.3	0.01	0.01 - 0.61
Endrin	60	5.0	<0.01	0.01 - 0.02
Endrin Ketone	60	1.7	<0.01	0.05 - 0.05
pp'TDE	60	1.7	<0.01	0.01 - 0.01

CONNECTICUT

Pesticide Name	No. of Pest. Analyses	Pct. of Time Found	Mean Pest. Level	Range of Detected Residue
Arsenic	2	100.0	3.96	2.33 - 5.59
pp'DDE	2	50.0	0.01	0.01 - 0.01
pp'DDT	2	50.0	0.03	0.05 - 0.05
DDTR	2	50.0	0.03	0.06 - 0.06
Dieldrin	2	50.0	0.01	0.01 - 0.01

DELAWARE

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residue
Arsenic	3	100.0	2.97	0.95 - 5.88
pp'DDE	3	33.3	<0.01	0.01 - 0.01
DDTR	3	33.3	<0.01	0.01 - 0.01
Dieldrin	3	33.3	<0.01	0.01 - 0.01

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

FLORIDA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	18	5.6	0.03	0.47 - 0.47
Arsenic	18	88.9	0.77	0.25 - 3.08
Chlordane	18	50.0	0.36	0.04 - 3.32
op'DDE	18	11.1	0.01	0.03 - 0.06
pp'DDE	18	72.2	0.25	0.01 - 2.40
op'DDT	18	50.0	0.10	0.01 - 0.98
pp'DDT	18	77.8	0.37	0.01 - 2.08
DDTR	18	77.8	0.85	0.01 - 5.03
Diazinon	5	20.0	0.03	0.15 - 0.15
Dieldrin	18	38.9	0.08	0.01 - 0.52
Endrin	18	11.1	0.03	0.13 - 0.38
Endrin Aldehyde	18	5.6	<0.01	0.03 - 0.03
Endrin Ketone	18	5.6	<0.01	0.03 - 0.03
Ethion	5	20.0	0.01	0.03 - 0.03
Heptachlor	18	5.6	<0.01	0.05 - 0.05
Heptachlor Epoxide	18	16.7	0.01	0.01 - 0.07
Ethyl Parathion	5	40.0	0.60	0.01 - 3.01
op'TDE	18	5.6	0.02	0.34 - 0.34
pp'TDE	18	61.1	0.11	0.01 - 0.64
Toxaphene	18	11.1	0.08	0.62 - 0.77
Trifluralin	18	5.6	<0.01	0.03 - 0.03

GEORGIA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Arsenic	29	100.0	2.61	0.37 - 10.72
Chlordane	22	4.6	0.01	0.19 - 0.19
2,4-D	3	33.3	<0.01	0.01 - 0.01
op'DDE	22	22.7	0.01	0.01 - 0.08
pp'DDE	22	90.9	0.18	0.01 - 1.04
op'DDT	22	59.1	0.09	0.01 - 0.73
pp'DDT	22	81.8	0.56	0.01 - 4.64
DDTR	22	95.5	0.96	0.01 - 6.31
DEF	22	4.6	0.01	0.12 - 0.12
Dieldrin	22	18.2	<0.01	0.01 - 0.03
Endrin	22	4.6	0.02	0.42 - 0.42
Heptachlor Epoxide	22	4.6	<0.01	0.02 - 0.02
PCNB	22	4.6	0.03	0.69 - 0.69
op'TDE	22	4.6	0.02	0.34 - 0.34
pp'TDE	22	68.2	0.10	0.01 - 1.23
Toxaphene	22	36.4	0.60	0.43 - 5.63
Trifluralin	22	13.6	<0.01	0.02 - 0.04

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

IDAHO

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	33	97.0	3.22	0.47 - 8.58
Chlordane	33	6.1	<0.01	0.03 - 0.07
pp'DDE	33	24.2	0.01	0.01 - 0.09
op'DDT	33	18.2	0.01	0.01 - 0.13
pp'DDT	33	24.2	0.04	0.01 - 0.67
DDTR	33	24.2	0.07	0.02 - 1.03
Dieldrin	33	9.1	0.01	0.03 - 0.11
Heptachlor Epoxide	33	3.0	<0.01	0.01 - 0.01
op'TDE	33	9.1	<0.01	0.01 - 0.01
pp'TDE	33	18.2	0.01	0.01 - 0.15
Trifluralin	33	6.1	0.01	0.01 - 0.24

ILLINOIS

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Aldrin	142	42.3	0.13	0.01 - 2.24
Arsenic	142	100.0	8.05	1.54 - 33.40
Atrazine	43	4.7	<0.01	0.02 - 0.10
Chlordane	142	25.4	0.23	0.02 - 5.20
pp'DDE	142	11.3	<0.01	0.01 - 0.05
op'DDT	142	2.8	<0.01	0.01 - 0.02
pp'DDT	142	8.5	<0.01	0.01 - 0.06
DDTR	142	11.3	0.01	0.01 - 0.29
Dieldrin	142	61.3	0.11	0.01 - 1.42
Heptachlor	142	21.8	0.03	0.01 - 0.59
Heptachlor Epoxide	142	25.4	0.02	0.01 - 1.08
Isodrin	142	1.4	<0.01	0.02 - 0.02
op'TDE	142	0.7	<0.01	0.06 - 0.06
pp'TDE	142	3.5	<0.01	0.01 - 0.16
Trifluralin	142	1.4	<0.01	0.05 - 0.16

TABLE 4 . SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

INDIANA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	78	16.7	0.07	0.01 - 3.06
Arsenic	78	100.0	7.88	1.28 - 19.65
Chlordane	78	5.1	0.02	0.07 - 0.53
pp'DDE	78	1.3	<0.01	0.03 - 0.03
op'DDT	78	2.6	<0.01	0.01 - 0.03
pp'DDT	78	2.6	<0.01	0.02 - 0.09
DDTR	78	2.6	<0.01	0.06 - 0.14
Dieldrin	78	26.9	0.03	0.01 - 0.58
Heptachlor	78	2.6	<0.01	0.02 - 0.08
Heptachlor Epoxide	78	1.3	<0.01	0.02 - 0.02
Isodrin	78	1.3	<0.01	0.03 - 0.03
pp'TDE	78	2.6	<0.01	0.01 - 0.01
Trifluralin	78	1.3	<0.01	0.03 - 0.03

IOWA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	151	31.8	0.04	0.01 - 1.37
Arsenic	152	100.0	7.51	0.86 - 107.45
Atrazine	48	27.1	0.05	0.01 - 1.55
Chlordane	151	21.2	0.13	0.04 - 6.30
pp'DDE	151	13.9	0.01	0.01 - 0.18
op'DDT	151	4.0	<0.01	0.01 - 0.05
pp'DDT	151	15.2	0.01	0.01 - 0.34
DDTR	151	16.6	0.03	0.01 - 0.60
Dieldrin	151	53.6	0.06	0.01 - 0.42
Heptachlor	151	9.3	0.02	0.01 - 0.97
Heptachlor Epoxide	151	20.5	0.01	0.01 - 0.33
Isodrin	151	1.3	<0.01	0.01 - 0.02
op'TDE	151	0.7	<0.01	0.10 - 0.10
pp'TDE	151	5.3	<0.01	0.01 - 0.50
Trifluralin	151	3.3	<0.01	0.02 - 0.08

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

KENTUCKY

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	31	25.8	0.03	0.01 - 0.42
Arsenic	31	100.0	8.41	2.60 - 12.80
Chlordane	31	12.9	0.02	0.06 - 0.27
op'DDE	31	3.2	<0.01	0.03 - 0.03
pp'DDE	31	16.1	0.01	0.01 - 0.17
op'DDT	31	9.7	0.02	0.01 - 0.34
pp'DDT	31	19.4	0.04	0.02 - 1.00
DDTR	31	19.4	0.08	0.03 - 1.84
Dieldrin	31	54.8	0.06	0.01 - 0.65
Heptachlor	31	6.5	<0.01	0.01 - 0.01
Heptachlor Epoxide	31	3.2	<0.01	0.02 - 0.02
Isodrin	31	6.5	<0.01	0.01 - 0.01
op'TDE	31	3.2	<0.01	0.02 - 0.02
pp'TDE	31	12.9	0.01	0.02 - 0.28

LOUISIANA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Aldrin	27	18.5	<0.01	0.01 - 0.02
Arsenic	27	96.3	2.15	0.26 - 6.34
Chlordane	27	3.7	<0.01	0.11 - 0.11
op'DDE	27	7.4	<0.01	0.04 - 0.05
pp'DDE	27	44.4	0.19	0.01 - 2.55
op'DDT	27	33.3	0.10	0.02 - 1.45
pp'DDT	27	48.2	0.61	0.02 - 7.17
DDTR	27	48.2	0.99	0.03 - 10.99
Dieldrin	27	37.0	0.02	0.01 - 0.13
Endrin	27	3.7	<0.01	0.06 - 0.06
Endrin Ketone	27	3.7	<0.01	0.02 - 0.02
pp'TDE	27	33.3	0.08	0.02 - 1.63
Toxaphene	27	14.8	0.57	0.59 - 11.72
Trifluralin	27	3.7	<0.01	0.07 - 0.07

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

MAINE

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Level Level (ppm)	Range of Detected Residues (ppm)
Arsenic	8	100.0	16.01	5.06 - 44.06
Chlordane	8	12.5	0.02	0.12 - 0.12
pp'DDE	8	75.0	0.12	0.02 - 0.36
op'DDT	8	62.5	0.13	0.02 - 0.46
pp'DDT	8	75.0	0.54	0.04 - 1.87
DDTR	8	75.0	0.85	0.08 - 2.86
Endrin	8	12.5	0.02	0.15 - 0.15
Heptachlor	8	12.5	<0.01	0.01 - 0.01
Heptachlor Epoxide	8	12.5	<0.01	0.01 - 0.01
pp'TDE	8	75.0	0.06	0.01 - 0.19

MARYLAND

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues'
Arsenic	12	100.0	5.69	3.40 - 11.90
Chlordane	12	8.3	0.01	0.09 - 0.09
pp'DDE	12	16.7	<0.01	0.02 - 0.02
pp'DDT	12	8.3	<0.01	0.03 - 0.03
DDTR	12	16.7	0.01	0.02 - 0.05
Dieldrin	12	8.3	0.01	0.06 - 0.06
Heptachlor Epoxide	12	8.3	<0.01	0.02 - 0.02

MASSACHUSETTS

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Arsenic	2	100.0	9.75	7.35 - 12.15
pp'DDE	2	50.0	0.17	0.34 - 0.34
op'DDT	2	50.0	0.10	0.20 - 0.20
pp'DDT	2	50.0	0.49	0.97 - 0.97
DDTR	2	50.0	0.78	1.55 - 1.55
pp'TDE	2	50.0	0.02	0.04 - 0.04

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

MICHIGAN

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of De Detected Residues (ppm)
Aldrin	51	3.9	<0.01	0.01 - 0.10
Arsenic	52	100.0	4.85	0.13 - 11.94
Atrazine	13	7.7	0.01	0.18 - 0.18
op'DDE	51	7.8	<0.01	0.01 - 0.14
pp'DDE	51	23.5	0.16	0.01 - 4.58
op'DDT	51	5.9	0.18	0.15 - 6.29
pp'DDT	51	9.8	1.10	0.01 - 35.92
DDTR	51	23.5	2.09	0.01 - 78.36
Dieldrin	51	21.6	0.05	0.01 - 1.01
Endosulfan (I)	51	3.9	0.01	0.03 - 0.24
Endosulfan Sulfate	51	3.9	0.02	0.25 - 0.94
Endrin	51	2.0	<0.01	0.01 - 0.01
pp'TDE	51	9.8	0.65	0.02 - 31.43

MISSISSIPPI

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Arsenic	30	100.0	5.70	1.10 - 16.90
op'DDE	29	31.0	0.01	0.01 - 0.08
pp'DDE	29	89.7	0.31	0.01 - 1.43
op'DDT	29	75.9	0.20	0.02 - 1.35
pp'DDT	29	89.7	1.36	0.01 - 9.28
DDTR	29	89.7	2.06	0.03 - 13.14
Dieldrin	29	34.5	0.01	0.02 - 0.10
Endrin	29	3.5	0.01	0.19 - 0.19
Endrin Ketone	29	3.5	<0.01	0.11 - 0.11
Lindane	29	6.9	<0.01	0.01 - 0.04
op'TDE	29	6.9	0.03	0.33 - 0.49
pp'TDE	29	69.0	0.15	0.01 - 0.81
Toxaphene	29	48.3	0.78	0.10 - 8.80
Trifluralin	29	20.7	0.02	0.02 - 0.25

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

MISSOURI

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	82	22.0	0.05	0.01 - 1.59
Arsenic	81	98.8	5.99	0.49 - 24.51
Chlordane	82	7.3	0.03	0.17 - 0.60
pp'DDE	82	3.7	<0.01	0.01 - 0.01
op'DDT	82	2.4	<0.01	0.01 - 0.02
pp'DDT	82	3.7	<0.01	0.02 - 0.09
DDTR	82	3.7	<0.01	0.03 - 0.12
Dieldrin	82	31.7	0.04	0.01 - 0.55
Endrin	82	1.2	<0.01	0.01 - 0.01
Heptachlor	82	6.1	<0.01	0.01 - 0.04
Heptachlor Epoxide	82	6.1	<0.01	0.01 - 0.06
Isodrin	82	1.2	<0.01	0.03 - 0.03
Toxaphene	82	1.2	0.04	3.15 - 3.15
Trifluralin	82	6.1	<0.01	0.02 - 0.10

NEBRASKA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Aldrin	106	1.9	<0.01	0.01 - 0.01
Arsenic	106	100.0	5.81	0.33 - 15.80
Atrazine	72	16.7	<0.01	0.01 - 0.12
Chlordane	106	10.4	0.01	0.03 - 0.18
pp'DDE	106	13.2	0.01	0.01 - 0.10
op'DDT	106	5.7	0.01	0.01 - 0.08
pp'DDT	106	11.3	0.01	0.01 - 0.19
DDTR	106	15.1	0.01	0.02 - 0.31
Dicofol	106	1.9	<0.01	0.10 - 0.10
Dieldrin	106	34.9	0.02	0.01 - 0.19
Endrin	106	0.9	<0.01	0.02 - 0.02
Heptachlor	106	0.9	<0.01	0.01 - 0.01
Heptachlor Epoxide	106	11.3	<0.01	0.01 - 0.03
Malathion	2	50.0	0.18	0.36 - 0.36
pp'TDE	106	3.8	<0.01	0.01 - 0.05

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

NEVADA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	2	100.0	2.32	1.77 - 2.86

NEW HAMPSHIRE

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Arsenic	2	100.0	5.35	1.31 - 9.38
pp'DDE	2	50.0	0.02	0.03 - 0.03
DDTR	2	50.0	0.02	0.03 - 0.03

NEW JERSEY

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Arsenic	5	100.0	11.72	4.55 - 17.21
op'DDE	5	20.0	<0.01	0.02 - 0.02
pp'DDE	5	40.0	0.17	0.18 - 0.66
op'DDT	5	20.0	0.06	0.28 - 0.28
pp'DDT	5	40.0	0.24	0.05 - 1.17
DDTR	5	40.0	0.55	0.26 - 2.48
Dieldrin	5	40.0	0.05	0.05 - 0.21
Endosulfan II	5	20.0	<0.01	0.02 - 0.02
Endosulfan Sulfate	5	20.0	0.02	0.11 - 0.11
Heptachlor Epoxide	5	20.0	<0.01	0.01 - 0.01
Lindane	5	20.0	0.01	0.03 - 0.03
Ethyl Parathion	1	100.0	0.02	0.02 - 0.02
op'TDE	5	20.0	0.02	0.09 - 0.09
pp'TDE	5	40.0	0.06	0.03 - 0.26

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

NEW MEXICO

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	10	100.0	4.64	0.66 - 15.82
pp'DDE	10	40.0	0.02	0.01 - 0.11
op'DDT	10	10.0	<0.01	0.01 - 0.01
pp'DDT	10	40.0	0.01	0.01 - 0.03
DDTR	10	40.0	0.02	0.02 - 0.15
Dieldrin	10	10.0	<0.01	0.01 - 0.01

NEW YORK

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Arsenic	37	94.6	9.38	1.24 - 43.90
Chlordane	38	2.6	0.08	3.19 - 3.19
op'DDE	38	7.9	<0.01	0.01 - 0.06
pp'DDE	38	39.5	0.23	0.01 - 3.70
op'DDT	38	29.0	0.07	0.01 - 1.45
pp'DDT	38	34.2	0.53	0.02 - 7.67
DDTR	38	39.5	0.91	0.01 - 13.29
Dieldrin	38	34.2	0.05	0.01 - 0.96
Endrin	38	2.6	0.01	0.56 - 0.56
Endrin Ketone	38	2.6	<0.01	0.05 - 0.05
Lindane	38	7.9	0.01	0.01 - 0.23
Methoxychlor	38	2.6	0.01	0.28 - 0.28
op'TDE	38	5.3	0.01	0.06 - 0.37
pp'TDE	38	26.3	0.07	0.01 - 1.49

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

NORTH CAROLINA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	31	9.7	0.05	0.01 - 1.12
Arsenic	27	100.0	6.18	0.73 - 22.00
Chlordane	31	3.2	<0.01	0.11 - 0.11
op'DDE	31	19.4	<0.01	0.01 - 0.03
pp'DDE	31	71.0	0.08	0.01 - 0.44
op'DDT	31	45.2	0.07	0.03 - 0.83
pp'DDT	31	61.3	0.28	0.01 - 1.75
DDTR	31	71.0	0.53	0.02 - 2.88
Dieldrin	31	32.3	0.08	0.01 - 1.53
Endrin	31	6.5	<0.01	0.01 - 0.08
Heptachlor	31	6.5	<0.01	0.01 - 0.02
Heptachlor Epoxide	31	12.9	<0.01	0.01 - 0.03
Isodrin	31	3.2	<0.01	0.01 - 0.01
Ethyl Parathion	6	16.7	<0.01	0.02 - 0.02
op'TDE	31	35.5	0.03	0.03 - 0.17
pp'TDE	31	61.3	0.07	0.01 - 0.27
Toxaphene	31	22.6	0.28	0.34 - 3.20
Trifluralin	31	6.5	<0.01	0.03 - 0.11

NORTH DAKOTA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Aldrin	157	0.6	<0.01	0.03 - 0.03
Arsenic	158	100.0	8.50	0.98 - 37.53
Chlordane	157	1.9	<0.01	0.08 - 0.15
pp'DDE	157	6.4	<0.01	0.01 - 0.14
op'DDT	157	3.2	<0.01	0.01 - 0.19
pp'DDT	157	5.1	0.01	0.01 - 0.56
DDTR	157	6.4	0.01	0.01 - 0.95
Dieldrin	157	7.6	<0.01	0.01 - 0.20
Endrin	157	0.6	<0.01	0.01 - 0.01
Heptachlor Epoxide	157	1.9	<0.01	0.02 - 0.07
pp'TDE	157	4.5	<0.01	0.01 - 0.06

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

OHIO

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	68	14.7	0.03	0.01 - 0.74
Arsenic	69	100.0	11.23	1.15 - 41.49
Chlordane	68	4.4	0.01	0.01 - 0.71
op'DDE	68	1.5	<0.01	0.20 - 0.20
pp'DDE	68	16.2	0.03	0.01 - 1.77
op'DDT	68	2.9	0.01	0.19 - 0.22
pp'DDT	68	8.8	0.04	0.01 - 1.27
DDTR	68	16.2	0.08	0.01 - 3.38
Dieldrin	68	27.9	0.02	0.01 - 0.30
Endosulfan (I)	68	1.5	<0.01	0.07 - 0.07
Endosulfan II	68	1.5	<0.01	0.29 - 0.29
Endosulfan Sulfate	68	1.5	0.01	0.40 - 0.40
Heptachlor	68	2.9	<0.01	0.01 - 0.01
Heptachlor Epoxide	68	1.5	<0.01	0.01 - 0.01
Isodrin	68	2.9	<0.01	0.01 - 0.03
Lindane	68	1.5	0.01	0.35 - 0.35
pp'TDE	68	4.4	<0.01	0.04 - 0.12
Trifluralin	68	1.5	<0.01	0.06 - 0.06

OKLAHOMA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Arsenic	62	96.8	3.30	0.24 - 14.58
Chlordane	64	1.6	<0.01	0.07 - 0.07
pp'DDE	64	15.6	<0.01	0.01 - 0.09
op'DDT	64	1.6	<0.01	0.01 - 0.01
pp'DDT	64	14.1	<0.01	0.01 - 0.09
DDTR	64	15.6	0.01	0.02 - 0.17
Dieldrin	64	3.1	<0.01	0.01 - 0.01
Heptachlor Epoxide	64	1.6	<0.01	0.01 - 0.01
pp'TDE	64	3.1	<0.01	0.01 - 0.02
Trifluralin	64	1.6	<0.01	0.03 - 0.03

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

PENNSYLVANIA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	29	100.0	10.80	2.96 - 64.94
Chlordane	29	20.7	0.07	0.02 - 0.92
op'DDE	29	3.5	<0.01	0.08 - 0.08
pp'DDE	29	31.0	0.07	0.01 - 1.52
op'DDT	29	17.2	0.03	0.01 - 0.67
pp'DDT	29	27.6	0.12	0.01 - 2.99
DDTR	29	37.9	0.27	0.01 - 5.50
Dicofol	29	3.5	0.02	0.53 - 0.53
Dieldrin	29	34.5	0.02	0.01 - 0.14
Endosulfan II	29	3.5	<0.01	0.02 - 0.02
Endosulfan Sulfate	29	3.5	<0.01	0.01 - 0.01
Heptachlor Epoxide	29	13.8	<0.01	0.01 - 0.03
Ethyl Parathion	3	33.3	<0.01	0.01 - 0.01
op'TDE	29	13.8	0.01	0.03 - 0.20
pp'TDE	29	24.1	0.04	0.01 - 0.55
Trifluralin	29	6.9	<0.01	0.01 - 0.07

RHODE ISLAND

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Arsenic	1	100.0	21.30	21.30 - 21.30
pp'DDE	1	100.0	0.23	0.23 - 0.23
op'DDT	1	100.0	0.25	0.25 - 0.25
pp'DDT	1	100.0	2.46	2.46 - 2.46
DDTR	1	100.0	3.00	3.00 - 3.00
Dieldrin	1	100.0	0.11	0.11 - 0.11
pp'TDE	1	100.0	0.06	0.06 - 0.06

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

SOUTH CAROLINA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	17	5.9	0.01	0.14 - 0.14
Arsenic	17	100.0	3.28	0.53 - 19.54
2,4-D	2	50.0	0.02	0.03 - 0.03
op'DDE	17	41.2	0.01	0.01 - 0.05
pp'DDE	17	82.4	0.24	0.01 - 0.93
op'DDT	17	70.6	0.15	0.01 - 0.95
pp'DDT	17	64.7	0.64	0.12 - 3.15
DDTR	17	88.2	1.17	0.01 - 4.78
Dieldrin	17	17.7	0.04	0.02 - 0.56
Endrin	17	17.7	<0.01	0.01 - 0.05
Heptachlor Epoxide	17	17.7	<0.01	0.01 - 0.01
Lindane	17	5.9	<0.01	0.01 - 0.01
op'TDE	17	29.4	0.03	0.03 - 0.19
pp'TDE	17	82.4	0.10	0.01 - 0.34
Toxaphene	17	5.9	0.10	1.74 - 1.74
Trifluralin	17	29.4	0.01	0.01 - 0.08

SOUTH DAKOTA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Arsenic	101	100.0	5.80	0.47 - 34.54
Chlordane	106	2.8	0.01	0.10 - 0.66
pp'DDE	106	1.9	<0.01	0.01 - 0.03
op'DDT	106	1.9	<0.01	0.01 - 0.03
pp'DDT	106	1.9	<0.01	0.02 - 0.04
DDTR	106	3.8	<0.01	0.01 - 0.10
Dieldrin	106	8.5	0.01	0.01 - 0.25
Heptachlor	106	0.9	<0.01	0.01 - 0.01
Heptachlor Epoxide	106	2.8	<0.01	0.01 - 0.03
Lindane	106	2.8	<0.01	0.01 - 0.02
pp'TDE	106	0.9	<0.01	0.02 - 0.02

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

TENNESSEE

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	27	100.0	8.05	2.31 - 15.63
Chlordane	27	3.7	0.01	0.20 - 0.20
pp'DDE	27	37.0	0.02	0.01 - 0.26
op'DDT	27	25.9	0.01	0.01 - 0.08
pp'DDT	27	37.0	0.05	0.01 - 0.38
DDTR	27	40.7	0.11	0.01 - 0.70
Dieldrin	27	22.2	<0.01	0.01 - 0.03
Endrin	27	3.7	<0.01	0.02 - 0.02
pp'TDE	27	22.2	0.03	0.02 - 0.36
Toxaphene	27	14.8	0.14	0.13 - 2.19
Trifluralin	27	7.4	<0.01	0.04 - 0.05

UTAH

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Arsenic	12	91.7	4.16	0.62 - 12.66
Chlordane	12	33.3	0.04	0.02 - 0.25
pp'DDE	12	16.7	<0.01	0.01 - 0.02
pp'DDT	12	8.3	<0.01	0.03 - 0.03
DDTR	12	16.7	0.01	0.01 - 0.05
Dieldrin	12	16.7	0.01	0.02 - 0.15
Heptachlor	12	16.7	0.02	0.02 - 0.26
Heptachlor Epoxide	12	25.0	0.01	0.02 - 0.05

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

VERMONT

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	4	100.0	1.79	0.99 - 2.30
pp'DDE	5	20.0	<0.01	0.01 - 0.01
DDTR	5	20.0	<0.01	0.01 - 0.01
Dieldrin	5	20.0	<0.01	0.01 - 0.01

VIRGINIA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Aldrin	21	4.8	<0.01	0.01 - 0.01
Arsenic	20	100.0	3.34	0.69 - 12.34
Chlordane	21	23.8	0.01	0.01 - 0.11
pp'DDE	21	52.4	0.02	0.01 - 0.22
op'DDT	21	19.1	0.01	0.01 - 0.17
pp'DDT	21	38.1	0.11	0.01 - 1.31
DDTR	21	52.4	0.17	0.01 - 1.75
Dieldrin	21	28.6	0.08	0.01 - 1.60
Heptachlor	21	19.1	0.01	0.01 - 0.05
Malathion	1	100.0	0.04	0.04 - 0.04
Ethyl Parathion	1	100.0	0.90	0.90 - 0.90
op'TDE	21	4.8	<0.01	0.07 - 0.07
pp'TDE	21	33.3	0.02	0.01 - 0.19
Toxaphene	21	4.7	0.01	0.28 - 0.28

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

WASHINGTON

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	45	4.4	<0.01	0.09 - 0.10
Arsenic	45	100.0	2.61	0.71 - 7.02
2,4-D	6	16.7	<0.01	0.01 - 0.01
op'DDE	45	4.4	<0.01	0.01 - 0.09
pp'DDE	45	22.2	0.17	0.01 - 6.99
op'DDT	45	13.3	0.06	0.01 - 2.58
pp'DDT	45	22.2	0.46	0.01 - 19.75
DDTR	45	24.4	0.72	0.01 - 30.69
Dieldrin	45	17.8	0.02	0.01 - 0.30
op'TDE	45	2.2	<0.01	0.17 - 0.17
pp'TDE	45	6.7	0.03	0.01 - 1.11
Toxaphene	45	2.2	0.02	0.73 - 0.73
Trifluralin	45	2.2	<0.01	0.08 - 0.08

WEST VIRGINIA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Arsenic	6	100.0	6.33	4.36 - 8.17
Chlordane	6	50.0	0.21	0.09 - 0.78
pp'DDE	6	33.3	0.02	0.04 - 0.10
pp'DDT	6	33.3	0.01	0.01 - 0.07
DDTR	6	33.3	0.04	0.05 - 0.17
Dieldrin	6	16.7	0.04	0.23 - 0.23
Heptachlor Epoxide	6	50.0	0.06	0.08 - 0.18

TABLE 4. SUMMARY OF PESTICIDE RESIDUES IN CROPLAND SOIL (CONT)

WISCONSIN

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	67	7.5	<0.01	0.01 - 0.04
Arsenic	68	100.0	3.78	0.34 - 10.01
Chlordane	67	4.5	0.01	0.04 - 0.32
op'DDE	67	1.5	<0.01	0.02 - 0.02
pp'DDE	67	13.4	0.01	0.01 - 0.27
op'DDT	67	4.5	0.01	0.05 - 0.20
pp'DDT	67	10.5	0.01	0.01 - 0.30
DDTR	67	13.4	0.02	0.01 - 0.71
Dieldrin	67	13.4	0.01	0.01 - 0.17
Heptachlor	67	3.0	<0.01	0.01 - 0.01
Heptachlor Epoxide	67	3.0	<0.01	0.01 - 0.01
pp'TDE	67	6.0	<0.01	0.01 - 0.12
Trifluralin	67	1.5	<0.01	0.01 - 0.01

WYOMING

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level	Range of Detected Residues
Arsenic	17	82.4	1.71	0.40 - 10.88
Chlordane	17	23.5	0.05	0.03 - 0.48
Dieldrin	17	35.3	0.02	0.02 - 0.19
Heptachlor Epoxide	17	17.7	0.01	0.02 - 0.05

TABLE 5. SUMMARY OF PESTICIDE RESIDUES IN NONCROPLAND SOIL

ARIZONA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	44	100.0	6.63	1.35 - 30.64
Chlordane	44	2.3	<0.01	0.08 - 0.08
pp'DDE	44	18.2	<0.01	0.01 - 0.06
pp'DDT	44	2.3	<0.01	0.03 - 0.03
DDTR	44	18.2	<0.01	0.01 - 0.09
Dieldrin	44	2.3	<0.01	0.03 - 0.03

GEORGIA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	19	94.7	1.47	0.53 - 4.29
pp'DDE	10	60.0	0.02	0.01 - 0.07
op'DDT	10	20.0	<0.01	0.01 - 0.02
pp'DDT	10	50.0	0.02	0.01 - 0.10
DDTR	10	70.0	0.05	0.01 - 0.12
Dieldrin	10	10.0	<0.01	0.01 - 0.01
pp'TDE	10	10.0	<0.01	0.01 - 0.01

IDAHO

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	26	100.0	7.73	1.01 - 39.07
pp'DDE	26	11.5	<0.01	0.01 - 0.01
op'DDT	26	3.9	<0.01	0.02 - 0.02
pp'DDT	26	3.9	<0.01	0.06 - 0.06
DDTR	26	11.5	0.01	0.01 - 0.11
pp'TDE	26	3.9	<0.01	0.02 - 0.02

TABLE 5. SUMMARY OF PESTICIDE RESIDUES IN NONCROPLAND SOIL (CONT)

IOWA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Aldrin	7	14.3	<0.01	0.02 - 0.02
Arsenic	7	100.0	7.08	1.71 - 17.39

MAINE

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	8	100.0	5.14	1.40 - 13.00
pp'DDE	11	9.1	0.02	0.18 - 0.18
op'DDT	11	9.1	<0.01	0.03 - 0.03
pp'DDT	11	9.1	0.02	0.23 - 0.23
DDTR	11	9.1	0.06	0.62 - 0.62
pp'TDE	11	9.1	0.02	0.18 - 0.18

MARYLAND

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	3	100.0	8.43	5.20 - 11.97
pp'DDE	3	33.3	0.02	0.05 - 0.05
op'DDT	3	33.3	0.01	0.03 - 0.03
pp'DDT	3	66.7	0.05	0.03 - 0.11
DDTR	3	66.7	0.09	0.03 - 0.23
pp'TDE	3	33.3	0.01	0.04 - 0.04

TABLE 5. SUMMARY OF PESTICIDE RESIDUES IN NONCROPLAND SOIL (CONT)

NEBRASKA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	17	94.1	2.18	0.33 - 8.42
Chlordane	19	5.3	<0.01	0.04 - 0.04
pp'DDE	19	15.8	<0.01	0.01 - 0.04
op'DDT	19	5.3	<0.01	0.01 - 0.01
pp'DDT	19	5.3	<0.01	0.02 - 0.02
DDTR	19	15.8	<0.01	0.01 - 0.07
Dicofol	19	10.5	0.02	0.10 - 0.29
Dieldrin	19	10.5	<0.01	0.01 - 0.01
Heptachlor Epoxide	19	5.3	<0.01	0.01 - 0.01

VIRGINIA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	10	100.0	4.07	0.50 - 12.42
pp'DDT	13	23.1	0.01	0.03 - 0.07
DDTR	13	23.1	0.01	0.03 - 0.09
Dieldrin	13	15.4	0.01	0.03 - 0.09
pp'TDE	13	7.7	<0.01	0.02 - 0.02

WASHINGTON

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	21	100.0	6.94	1.58 - 54.17
pp'DDE	21	14.3	<0.01	0.01 - 0.02
pp'DDT	21	9.5	<0.01	0.01 - 0.01
DDTR	21	14.3	<0.01	0.01 - 0.03

TABLE 5. SUMMARY OF PESTICIDE RESIDUES IN NONCROPLAND SOIL (CONT)

WEST VIRGINIA

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	6	100.0	5.16	2.67 - 13.26
pp'DDE	8	12.5	<0.01	0.02 - 0.02
pp'DDT	8	12.5	0.01	0.05 - 0.05
DDTR	8	12.5	0.01	0.08 - 0.08
Dieldrin	8	12.5	0.01	0.04 - 0.04
pp'TDE	8	12.5	<0.01	0.01 - 0.01

WYOMING

Pesticide Name	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arsenic	37	97.3	2.73	0.35 - 19.33
Chlordane	37	2.7	0.01	0.50 - 0.50
op'DDE	37	2.7	<0.01	0.02 - 0.02
pp'DDE	37	2.7	0.01	0.31 - 0.31
op'DDT	37	2.7	<0.01	0.05 - 0.05
pp'DDT	37	2.7	<0.01	0.18 - 0.18
DDTR	37	2.7	0.02	0.56 - 0.56
Dieldrin	37	2.7	<0.01	0.02 - 0.02
Heptachlor Epoxide	37	2.7	<0.01	0.01 - 0.01
Toxaphene	37	2.7	0.01	0.52 - 0.52

TABLE 6 . COMPARISON OF THE STATES HAVING THE HIGHEST ARSENIC RESIDUES

State	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Arkansas	47	100.0	9.0	1.7 - 28.2
Kentucky	31	100.0	8.4	2.6 - 12.8
New England	19	100.0	10.2	1.0 - 14.1
New York	37	94.6	9.4	1.2 - 43.9
North Dakota	158	100.0	8.5	1.0 - 37.5
Ohio	69	100.0	11.2	1.2 - 41.5
Pennsylvania	29	100.0	10.8	3.0 - 64.9

TABLE 7. COMPARISON OF THE STATES HAVING THE HIGHEST DDTR RESIDUES

State	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Alabama	22	90.9	1.13	0.05 - 8.08
California	65	84.6	1.47	0.01 - 41.81
Michigan	51	23.5	2.09	0.01 - 78.36
Mississippi	29	89.7	2.06	0.03 - 13.14
South Carolina	17	88.2	1.17	0.01 - 4.78

TABLE 8. COMPARISON OF THE STATES WITH THE HIGHEST DIELDRIN RESIDUES

State	No. of Pest. Analyses	Pct. of Times Found	Mean Pest. Level (ppm)	Range of Detected Residues (ppm)
Florida	18	38.9	0.08	0.01 - 0.52
Illinois	142	61.3	0.11	0.01 - 1.42
Iowa	151	53.6	0.06	0.01 - 0.42
Kentucky	31	54.8	0.06	0.01 - 0.65
North Carolina	31	32.3	0.08	0.01 - 1.53
Virginia/W. Virginia	27	25.9	0.07	0.01 - 1.60

TABLE 9 . SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND FOR ALL STATES

ALL STATES - 1684 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Aldrin	4.16	1.25	0.0522
Amiben	2.14	1.07	0.0229
Aramite	0.12	2.35	0.0028
Atrazine	7.66	1.88	0.1442
Azinphosmethyl	0.59	1.70	0.0101
Azodrin	0.42	2.07	0.0086
Bacillus Thuringiensis	0.12	9.50	0.0113
Barban	0.12	0.17	0.0002
Benefin	0.18	1.36	0.0024
Benzene Hexachloride	0.06	3.00	0.0018
Bidrin	0.24	0.18	0.0004
Binapacryl	0.06	2.12	0.0013
Bordeaux Mixtures	0.06	0.50	0.0003
Cacodylic Acid	0.06	0.01	0.0000
Captan	11.16	0.12	0.0133
Carbaryl	1.72	3.64	0.0627
Carbophenothion	0.18	1.83	0.0033
CDAA	0.89	1.78	0.0158
Ceresan L	1.25	0.01	0.0002
Ceresan M	1.48	0.01	0.0001
Ceresan Red	1.84	0.01	0.0003
Chevron RE-5353	0.30	1.72	0.0051
Chlordane	0.12	3.10	0.0037
Chlorobenzilate	0.12	1.31	0.0016
Chloroneb	0.36	0.05	0.0002
Chloroxuron	0.30	1.65	0.0049
Chromophon	0.06	0.15	0.0001
CIPC	0.12	1.50	0.0018
Copper Carbonate	0.06	0.60	0.0004
Copper Oxide	0.18	4.23	0.0075
Copper Oxychloride Sulfate	0.12	4.68	0.0056
Copper-8-Quinolinolate	0.06	0.01	0.0000
Copper Sulfate	0.36	13.53	0.0482
Cotoran	0.48	0.74	0.0035
2,4-D	15.14	0.54	0.0825
2,4-DB	0.89	0.48	0.0042
Dalapon	0.42	2.12	0.0088
DDT Technical	3.44	5.56	0.1915

TABLE 9. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND FOR ALL STATES (CONT)

ALL STATES - 1684 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
DEF	0.59	1.66	0.0099
Demeton	0.18	0.59	0.0011
Diazinon	1.96	1.22	0.0240
Dicamba	0.30	0.39	0.0012
Dichlone	0.12	2.00	0.0024
Dichlorpropane	0.06	54.43	0.0323
Dichlorpropene	0.36	70.07	0.2496
Dichlorprop	0.06	2.00	0.0012
Dicofol	0.42	2.12	0.0088
Dieldrin	1.19	0.17	0.0021
Difolatan	0.06	0.01	0.0000
Dimetan	0.06	0.01	0.0000
Dimethoate	0.12	0.75	0.0009
Dinitrobutylphenol	0.95	3.78	0.0359
Dinitrocresol	0.06	3.00	0.0018
Dinocap	0.12	0.22	0.0003
Dioxathion	0.12	2.60	0.0031
Diphenamid	0.24	2.19	0.0052
Diquat	0.06	0.83	0.0005
Disulfoton	1.72	1.77	0.0305
Dithane M-45	0.30	5.82	0.0173
Diuron	1.13	0.93	0.0105
DSMA	0.36	1.52	0.0054
Endosulfan (I)	0.48	1.11	0.0053
Endrin	0.48	2.21	0.0105
EPN	0.06	1.50	0.0009
EPTC	0.36	2.65	0.0094
Ethion	0.24	2.06	0.0049
Ethylene Dibromide	0.12	14.62	0.0174
Falone	0.06	2.00	0.0012
Ferbam	0.06	9.12	0.0054
Folex	0.06	1.50	0.0009
Heptachlor	1.96	0.33	0.0065
Herbisan	0.06	10.00	0.0060
Hexachlorobenzene	0.06	0.01	0.0000
Lead Arsenate	0.06	3.80	0.0023
Lindane	0.65	0.03	0.0002
Linuron	0.77	0.73	0.0056
Malathion	7.54	0.17	0.0127
Maleic Hydrazide	0.36	1.43	0.0051
Maneb	0.30	2.14	0.0064
MCPA	1.07	0.33	0.0035
Methoxychlor	2.20	0.04	0.0008

TABLE 9. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND FOR ALL STATES (CONT)

ALL STATES - 1684 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Methyl Demeton	0.06	1.50	0.0009
Methylmercury Dicyandiamide	5.46	0.01	0.0006
Methylmercury Nitrile	0.06	0.01	0.0000
Mevinphos	0.36	1.48	0.0053
Mirex	0.24	0.01	0.0000
Monuron	0.06	1.60	0.0010
MSMA	0.48	1.21	0.0058
Nabam	0.24	1.78	0.0042
Naled	0.30	1.62	0.0048
Nitralin	0.36	0.76	0.0027
Nitrate	1.13	64.58	0.7286
Norea	0.12	0.46	0.0006
NPA	0.36	1.01	0.0036
Oxydemetonmethyl	0.18	0.40	0.0007
Ethyl Parathion	1.84	1.48	0.0272
Methyl Parathion	3.03	3.07	0.0929
PCNB	0.42	1.59	0.0066
PCP	0.06	1.50	0.0009
Phenylmercury Urea	0.06	0.01	0.0000
Phorate	0.65	2.17	0.0142
Phosphamidon	0.12	0.13	0.0002
Picloram	0.12	0.63	0.0007
PMA	0.18	0.06	0.0001
Polyram	0.06	10.40	0.0062
Prometryne	0.06	2.00	0.0012
Propanil	0.42	3.96	0.0165
Propazine	0.06	2.00	0.0012
Ramrod	1.37	1.45	0.0198
Ro-Neet	0.12	1.88	0.0022
Roundup	0.12	0.78	0.0009
Randox T	0.12	0.90	0.0011
Silvex	0.12	0.63	0.0007
Simazine	0.12	2.07	0.0025
Simetryne	0.06	2.00	0.0012
Sodium Arsenite	0.24	5.25	0.0125
Sodium Chlorate	0.06	6.00	0.0036
Strobane	0.12	16.50	0.0196
Sulfur	0.71	34.00	0.2423

TABLE 9. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND FOR ALL STATES (CONT)

ALL STATES - 1684 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
2,4,5-T	0.18	0.83	0.0015
TCA	0.06	2.00	0.0012
TDE Technical	0.36	2.31	0.0082
Tetradifon	0.12	0.50	0.0006
Thiram	1.07	0.03	0.0003
Toxaphene	1.90	9.87	0.1876
Trichlorofon	0.06	0.80	0.0005
Trifluralin	4.33	0.76	0.0327
Vernolate	0.53	1.29	0.0069
Zineb	0.18	4.90	0.0087
Ziram	0.06	0.80	0.0005

TABLE 10 SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON NONCROPLAND FOR ALL STATES

ALL STATES - 195 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
2,4-D	0.51	2.00	0.0103
Malathion	0.51	0.61	0.0031
Mirex	0.51	0.01	0.0001

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND

ALABAMA - 23 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Azodrin	4.35	0.84	0.0365
Benzene Hexachloride	4.35	3.00	0.1304
Captan	21.74	0.04	0.0083
Carbaryl	4.35	0.40	0.0174
Ceresan M	4.35	0.01	0.0004
Copper Sulfate	8.70	36.08	3.1374
Cotoran	4.35	1.50	0.0652
DDT Technical	39.13	10.73	4.2000
DEF	4.35	1.50	0.0652
Disulfoton	8.70	0.35	0.0304
Diuron	8.70	0.95	0.0826
DSMA	4.35	1.00	0.0435
Endrin	8.70	1.20	0.1043
EPN	4.35	1.50	0.0652
Malathion	8.70	2.50	0.2174
Ethyl Parathion	4.35	1.00	0.0435
Methyl Parathion	52.17	3.42	1.7848
MSMA	8.70	1.50	0.1304
Phorate	4.35	1.00	0.0435
Prometryne	4.35	2.00	0.0870
Thiram	4.35	0.02	0.0009
Toxaphene	17.39	3.45	0.6000
Trifluralin	47.83	0.61	0.2913
Vernolate	8.70	1.05	0.0913

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

ARIZONA - 9 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Azodrin	11.11	6.25	0.6944
Captan	11.11	0.01	0.0011
Ceresan L	11.11	0.01	0.0011
Demeton	11.11	0.13	0.0144
Dieldrin	11.11	0.01	0.0011
Diuron	11.11	1.00	0.1111
Endosulfan (I)	11.11	2.00	0.2222
Naled	11.11	0.50	0.0556
Ethyl Parathion	22.22	5.50	1.2222
Methyl Parathion	44.44	2.75	1.2244
PCNB	11.11	0.75	0.0833
Phorate	11.11	1.50	0.1667
Strobane	11.11	15.00	1.6667
Toxaphene	11.11	2.00	0.2222
Trifluralin	22.22	1.12	0.2500

ARKANSAS - 45 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Aldrin	2.22	0.25	0.0056
Captan	13.33	0.03	0.0036
Ceresan M	2.22	0.01	0.0002
Chloroxuron	6.67	1.00	0.0667
2,4-D	2.22	0.05	0.0011
2,4-DB	2.22	1.75	0.0389
DEF	2.22	1.00	0.0222
Dinitrobutylphenol	6.67	1.58	0.1056
Disulfoton	2.22	0.01	0.0002
Diuron	2.22	0.75	0.0167
DSMA	4.44	3.00	0.1333
Endrin	2.22	12.00	0.2667
Linuron	8.89	0.94	0.0833
NPA	6.67	0.54	0.0362
Nitralin	2.22	0.44	0.0098
Methyl Parathion	2.22	12.00	0.2667
Propanil	4.44	5.50	0.2444
2,4,5-T	4.44	0.88	0.0389
Thiram	4.44	0.03	0.0016
Trifluralin	15.56	0.79	0.1222

TABLE 11 . SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

CALIFORNIA - 66 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Aramite	3.03	2.35	0.0712
Atrazine	1.52	2.50	0.0379
Azinphosmethyl	3.03	0.48	0.0145
Bacillus Thuringiensis	3.03	9.50	0.2879
Benefin	1.52	1.83	0.0277
Binapacryl	1.52	2.12	0.0321
Bordeaux Mixtures	1.52	0.50	0.0076
Captan	1.52	2.30	0.0348
Carbaryl	6.06	10.76	0.6521
Carbophenothion	3.03	1.75	0.0530
Ceresan RED	3.03	0.01	0.0003
Chlordane	1.52	5.00	0.0758
2,4-D	3.03	0.63	0.0189
DDT Technical	13.64	2.82	0.3844
Diazinon	6.06	0.99	0.0603
Dichlorpropene	4.55	8.67	0.3939
Dichlorprop	1.52	2.00	0.0303
Dicofol	7.58	2.59	0.1962
Dimethoate	1.52	1.00	0.0152
Dioxathion	3.03	2.60	0.0788
Diphenamid	1.52	2.62	0.0397
Disulfoton	3.03	4.00	0.1212
Diuron	1.52	0.75	0.0114
Dithane M-45	3.03	5.00	0.1515
Endosulfan (I)	7.58	0.99	0.0750
Ethion	3.03	1.38	0.0417
Malathion	4.55	1.65	0.0750
MCPA	3.03	0.76	0.0230
Mevinphos	9.09	1.48	0.1345
Nabam	1.52	3.50	0.0530
Naled	6.06	1.90	0.1152
Ethyl Parathion	6.06	2.03	0.1230
Methyl Parathion	4.55	6.10	0.2773
Propanil	3.03	3.63	0.1098
Simazine	1.52	3.75	0.0568
Simetryne	1.52	2.00	0.0303
Sulfur	7.58	35.79	2.7115
Tetradifon	3.03	0.50	0.0152
Toxaphene	6.06	9.75	0.5908
Trichlorofon	1.52	0.80	0.0121
Trifluralin	6.06	0.88	0.0530

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

COLORADO - 60 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Aldrin	3.33	0.08	0.0027
Carbaryl	1.67	1.00	0.0167
Ceresan M	1.67	0.01	0.0002
2,4-D	10.00	0.51	0.0508
2,4-DB	1.67	0.70	0.0117
Endrin	5.00	0.33	0.0167
Malathion	1.67	0.60	0.0100
Ethyl Parathion	1.67	0.25	0.0042
Picloram	1.67	1.00	0.0167
PMA	1.67	0.15	0.0025

CONNECTICUT - 2 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Atrazine	50.00	2.50	1.2500

DELAWARE - 3 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate	Average Amount
Captan	33.33	0.04	0.0133
Lindane	33.33	0.08	0.0267

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

FLORIDA - 15 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Atrazine	6.67	0.80	0.0533
Azinphosmethyl	6.67	2.50	0.1667
Captan	6.67	7.50	0.5000
Carbophenothion	6.67	2.00	0.1333
Chlorobenzilate	13.33	1.31	0.1753
Copper Oxide	6.67	7.50	0.5000
Copper Oxychloride Sulfate	6.67	8.00	0.5333
2,4-D	6.67	1.50	0.1000
Dalapon	6.67	1.70	0.1133
DDT Technical	6.67	7.00	0.4667
Diazinon	6.67	2.90	0.1933
Dichlorpropene	6.67	194.40	12.9600
Dicofol	6.67	1.50	0.1000
Ethion	13.33	2.75	0.3667
Ferbam	6.67	9.12	0.6080
Mirex	6.67	0.01	0.0007
Ethyl Parathion	13.33	2.85	0.3800
Methyl Parathion	6.67	10.00	0.6667
Sulfur	6.67	46.50	3.1000
2,4,5-T	6.67	0.75	0.0500
TDE Technical	6.67	10.00	0.6667
Toxaphene	6.67	2.00	0.1333
Zineb	13.33	6.55	0.8733

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

GEORGIA - 28 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Atrazine	7.14	3.00	0.2143
Azodrin	3.57	4.00	0.1429
Benefin	7.14	1.12	0.0800
Captan	39.29	0.08	0.0307
Ceresan RED	10.71	0.01	0.0011
Copper Oxychloride Sulfate	3.57	1.36	0.0486
Copper Sulfate	3.57	2.72	0.0971
2,4-D	10.71	0.50	0.0536
DDT Technical	21.43	14.18	3.0396
Disulfoton	3.57	2.00	0.0714
Folex	3.57	1.50	0.0536
Malathion	21.43	0.34	0.0732
Maleic Hydrazide	7.14	2.41	0.1725
Methoxychlor	28.57	0.02	0.0046
Mirex	3.57	0.01	0.0004
Ethyl Parathion	3.57	1.00	0.0357
Methyl Parathion	14.29	1.84	0.2632
PCNB	3.57	10.00	0.3571
Sulfur	7.14	40.20	2.8714
Thiram	10.71	0.04	0.0043
Toxaphene	17.86	14.45	2.5804
Trifluralin	7.14	1.25	0.0893

IDAHO - 33 SITES

PESTICIDE NAME	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Captan	12.12	0.01	0.0015
Ceresan M	6.06	0.01	0.0006
Ceresan L	15.15	0.01	0.0015
CIPC	3.03	2.00	0.0606
2,4-D	12.12	2.12	0.2576
2,4-DB	3.03	0.50	0.0152
DDT Tech.	6.06	0.50	0.0303
Dieldrin	3.03	0.01	0.0003
Diquat	3.03	0.83	0.0252
EPTC	3.03	0.38	0.0115
Hexachlorobenzene	3.03	0.01	0.0003
Ro-Neet	6.06	1.87	0.1136
Trifluralin	6.06	0.56	0.0342

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

ILLINOIS - 141 SITES

PESTICIDE NAME	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Aldrin	19.15	1.52	0.2914
Amiben	7.80	0.91	0.0707
Atrazine	9.22	2.19	0.2023
Captan	49.65	0.06	0.0317
Carbaryl	0.71	4.80	0.0340
CDAA	7.80	1.51	0.1176
Ceresan Red	0.71	0.01	0.0001
Ceresan L	0.71	0.06	0.0004
Chevron RE-5353	1.42	**2.56**	**0.0363**
2,4-D	20.57	0.42	0.0864
2,4-DB	2.13	0.35	0.0075
Diazinon	3.55	1.86	0.0659
Dieldrin	2.13	0.23	0.0050
Heptachlor	9.93	0.46	0.0455
Linuron	1.42	0.66	0.0094
Malathion	39.72	0.03	0.0104
Methoxychlor	10.64	0.01	0.0011
Ramrod	7.80	1.22	0.0955
Roundup	0.71	0.07	0.0005
Silvex	0.71	0.25	0.0018
Thiram	0.71	0.01	0.0001
Trifluralin	2.84	0.97	0.0277
Vernolate	0.71	0.37	0.0026

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

INDIANA - 75 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Aldrin	10.67	1.11	0.1187
Amiben	5.33	0.85	0.0453
Atrazine	13.33	1.79	0.2393
Captan	26.67	0.01	0.0027
Carbaryl	1.33	1.60	0.0213
CDAA	1.33	1.07	0.0143
Ceresan L	2.67	0.01	0.0003
2,4-D	10.67	0.35	0.0373
DDT Technical	1.33	0.01	0.0001
Dieldrin	1.33	0.01	0.0001
Difolatan	1.33	0.01	0.0001
Heptachlor	5.33	0.32	0.0172
Malathion	17.33	0.01	0.0017
Methoxychlor	4.00	0.01	0.0004
Methylmercury Dicyandiamide	2.67	0.01	0.0003
Ramrod	2.67	1.40	0.0373
Roundup	1.33	1.50	0.0200
Trifluralin	2.67	0.75	0.0200
Zineb	1.33	1.60	0.0213

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

IOWA - 151 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Aldrin	8.61	0.68	0.0587
Amiben	8.61	1.12	0.0966
Atrazine	10.60	2.00	0.2123
Captan	2.65	0.03	0.0008
Carbaryl	0.66	1.00	0.0066
CDAA	1.32	1.50	0.0199
Chevron RE-5353	0.66	1.00	0.0066
2,4-D	20.53	0.62	0.1278
Diazinon	6.62	1.19	0.0791
Dicamba	0.66	0.50	0.0033
Dieldrin	0.66	0.15	0.0010
Heptachlor	4.64	0.35	0.0164
Lindane	1.32	0.06	0.0009
Ethyl Parathion	0.66	0.32	0.0021
Phorate	1.32	0.95	0.0126
Ramrod	3.97	2.02	0.0801
Randox T	0.66	0.40	0.0026
Thiram	0.66	0.06	0.0004
Trifluralin	2.65	0.47	0.0125

KENTUCKY - 31 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Aldrin	9.68	2.00	0.1935
Atrazine	19.35	1.33	0.2581
2,4-D	3.23	0.50	0.0161
Dalapon	3.23	1.50	0.0484
DDT Technical	3.23	3.00	0.0968
EPTC	3.23	1.50	0.0484

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

LOUISANA - 27 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Aldrin	22.22	0.08	0.0178
Captan	3.70	0.25	0.0093
Carbaryl	3.70	12.00	0.4444
Ceresan L	3.70	0.01	0.0004
Cotoran	3.70	1.00	0.0370
2,4-D	11.11	1.58	0.1759
Dalapon	3.70	2.00	0.0741
DDT Technical	7.41	23.25	1.7222
DEF	3.70	9.00	0.3333
Dimetan	3.70	0.01	0.0004
Malathion	3.70	1.00	0.0370
Methylmercury Dicyandiamide	3.70	0.01	0.0004
Methylmercury Nitrile	3.70	0.01	0.0004
MSMA	3.70	1.50	0.0556
Nitrate	22.22	72.00	16.0000
Methyl Parathion	7.41	7.20	0.5333
Propanil	11.11	3.17	0.3519
Silvex	3.70	1.00	0.0370
Strobane	3.70	18.00	0.6667
TCA	3.70	2.00	0.0741
Toxaphene	3.70	75.00	2.7778
Trifluralin	3.70	1.00	0.0370

MAINE - 8 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Dalapon	12.50	4.90	0.6125
Dinitrobutylphenol	37.50	1.37	0.5125
Disulfoton	25.00	8.50	2.1250
Malathion	12.50	1.00	0.1250
Maneb	12.50	0.70	0.0875
Sodium Arsenite	25.00	8.80	2.2000

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

MARYLAND - 13 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Atrazine	30.77	1.26	0.3885
Captan	30.77	0.03	0.0100
2,4-D	15.38	0.54	0.0838
Dieldrin	7.69	0.01	0.0008
Lindane	15.38	0.01	0.0015
Malathion	23.08	0.01	0.0023
Methoxychlor	7.69	0.01	0.0008
Thiram	7.69	0.01	0.0008

MASSACHUSETTS - 2 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Carbaryl	50.00	0.83	0.4150
Dinitrobutylphenol	50.00	3.06	1.5300
Disulfoton	50.00	1.50	0.7500
Dithane M-45	50.00	12.40	6.2000
Maleic Hydrazide	50.00	2.32	1.1600
Oxydemetonmethyl	50.00	0.25	0.1250
Ethyl Parathion	50.00	0.53	0.2650

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

MICHIGAN - 51 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Atrazine	11.76	1.49	0.1753
Azinphosmethyl	1.96	8.00	0.1569
Captan	1.96	0.01	0.0002
CDAA	1.96	6.00	0.1176
Ceresan Red	1.96	0.01	0.0002
CIPC	1.96	1.00	0.0196
Chloroxuron	3.92	2.63	0.1029
2,4-D	9.80	0.53	0.0524
DDT Tech.	1.96	1.50	0.0294
Dinitrobutylphenol	1.96	11.25	0.2206
Diuron	1.96	2.00	0.0392
EPTC	1.96	2.00	0.0392
Herbisan	1.96	10.00	0.1961
Malathion	3.92	0.50	0.0198
Methoxychlor	1.96	0.01	0.0002

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

MISSISSIPPI - 29 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Azinphosmethyl	3.45	0.25	0.0086
Azodrin	6.90	0.76	0.0524
Bidrin	6.90	0.03	0.0024
Captan	24.14	0.09	0.0210
Ceresan M	3.45	0.01	0.0003
Ceresan Red	27.59	0.02	0.0045
Ceresan L	3.45	0.01	0.0003
Chloroneb	17.24	0.06	0.0100
Cotoran	13.79	0.47	0.0652
DDT Technical	31.03	3.47	1.0759
DEF	20.69	0.82	0.1690
Disulfoton	31.03	0.05	0.0152
Diuron	17.24	0.63	0.1079
DSMA	10.34	0.70	0.0728
Endrin	3.45	2.00	0.0690
Linuron	3.45	0.42	0.0145
Malathion	6.90	1.40	0.0969
Methoxychlor	3.45	0.01	0.0003
Mirex	6.90	0.01	0.0007
MSMA	10.34	1.44	0.1486
Norea	3.45	0.33	0.0114
Nitralin	13.79	0.99	0.1372
Methyl Parathion	41.38	2.14	0.8841
PCNB	10.34	0.13	0.0131
Sodium Chlorate	3.45	6.00	0.2069
Toxaphene	34.48	7.50	2.5862
Trifluralin	37.93	0.85	0.3241
Vernolate	3.45	0.30	0.0103

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

MISSOURI - 81 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Aldrin	4.94	1.65	0.0815
Amiben	4.94	1.15	0.0568
Atrazine	12.35	1.87	0.2315
Bidrin	1.23	0.10	0.0012
Captan	1.23	0.01	0.0001
Ceresan M	1.23	0.01	0.0001
2,4-D	11.11	0.77	0.0856
2,4-DB	2.47	0.25	0.0062
Diazinon	1.23	0.93	0.0115
Dinitrobutylphenol	2.47	0.53	0.0131
Heptachlor	1.23	0.19	0.0023
Linuron	2.47	0.37	0.0091
NPA	2.47	1.07	0.0264
Methyl Parathion	1.23	0.50	0.0062
Propazine	1.23	2.00	0.0247
Ramrod	1.23	1.10	0.0136
Trifluralin	7.41	0.91	0.0673
Vernolate	2.47	1.38	0.0340

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

NEBRASKA - 103 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Amiben	0.97	2.50	0.0243
Atrazine	4.85	0.82	0.0400
Captan	17.48	0.04	0.0069
Ceresan Red	0.97	0.01	0.0001
Ceresan L	0.97	0.01	0.0001
Chevron RE-5353	1.94	1.25	0.0243
2,4-D	14.56	0.44	0.0644
Diazinon	4.85	0.98	0.0476
Dieldrin	3.88	0.01	0.0004
Disulfoton	0.97	0.22	0.0021
EPTC	0.97	3.00	0.0291
Malathion	17.48	0.01	0.0017
Methoxychlor	1.94	0.01	0.0002
Methylmercury Dicyandiamide	4.85	0.01	0.0005
Nabam	0.97	0.01	0.0001
Norea	0.97	0.60	0.0058
Ethyl Parathion	3.88	0.50	0.0194
Phorate	0.97	0.90	0.0087
Ramrod	0.97	0.83	0.0081
Thiram	4.85	0.03	0.0014

NEVADA - 2 SITES NO PESTICIDES USED

NEW HAMPSHIRE - 2 SITES NO PESTICIDES USED

NEW JERSEY - 5 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
2,4-D	40.00	0.31	0.1240
Monuron	20.00	1.60	0.3200
Ethyl Parathion	20.00	0.54	0.1080
Sulfur	20.00	9.00	1.8000

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

NEW MEXICO - 10 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Azodrin	10.00	1.50	0.1500
Carbaryl	10.00	2.50	0.2500
DDT Tech.	10.00	1.00	0.1000
Diuron	20.00	1.12	0.2250
Ethyl Parathion	10.00	2.50	0.2500
Toxaphene	10.00	1.00	0.1000

NEW YORK - 38 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Atrazine	23.68	1.36	0.3211
Azinphosmethyl	5.26	1.15	0.0605
Captan	13.16	0.87	0.1150
Carbaryl	5.26	1.55	0.0816
Copper Sulfate	2.63	3.00	0.0789
2,4-D	7.89	0.21	0.0166
Dalapon	2.63	2.50	0.0658
DDT Tech.	5.26	1.35	0.0711
Demeton	2.63	0.04	0.0011
Diazinon	2.63	1.00	0.0263
Dichlone	2.53	2.20	0.0579
Dinitrobutylphenol	5.26	15.22	0.8013
Diuron	5.26	2.40	0.1263
Endosulfan (I)	5.26	0.95	0.0500
Lead Arsenate	2.63	3.80	0.1000
Malathion	5.26	0.01	0.0005
MCPA	5.26	0.33	0.0176
Methoxychlor	2.63	0.01	0.0003
Methylmercury Dicyandiamide	10.53	0.01	0.0011
Nabam	2.63	2.40	0.0632
Nitrate	7.89	26.17	2.0658
Oxydemetonmethyl	2.63	0.15	0.0039
Ethyl Parathion	5.26	0.45	0.0239
Phosphamidon	2.63	0.15	0.0039
Sodium Arsenite	2.63	0.90	0.0237

TABLE 11 . SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

NORTH CAROLINA - 29 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Aldrin	6.90	1.75	0.1207
Atrazine	6.90	2.75	0.1897
Carbaryl	20.69	1.43	0.2966
Ceresan RED	3.45	0.10	0.0034
Chromophon	3.45	0.15	0.0052
Copper Carbonate	3.45	0.60	0.0207
Copper-8-Quinolinolate	3.45	0.01	0.0003
2,4-D	20.69	1.00	0.2079
2,4-DB	3.45	0.07	0.0024
DDT Technical	13.79	0.70	0.0962
Diazinon	13.79	1.12	0.1545
Dicamba	3.45	1.20	0.0414
Dichlorpropene	3.45	20.00	0.6897
Dieldrin	6.90	1.25	0.0866
Dinitrobutylphenol	3.45	1.50	0.0517
Diphenamid	6.90	1.07	0.0741
EPTC	3.45	4.00	0.1379
Ethylene Dibromide	3.45	6.00	0.2069
Lindane	3.45	0.01	0.0003
Maleic Hydrazide	10.34	0.47	0.0486
Ethyl Parathion	6.90	0.50	0.0345
Methyl Parathion	3.45	0.83	0.0286
Phorate	6.90	1.13	0.0783
Sulfur	3.45	11.10	0.3828
TDE Technical	10.34	0.26	0.0272
Thiram	6.90	0.01	0.0007
Toxaphene	6.90	8.65	0.5966
Trifluralin	3.45	0.57	0.0197
Vernolate	6.90	1.85	0.1276

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

NORTH DAKOTA - 159 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Barban	1.26	0.17	0.0021
Captan	0.63	0.01	0.0001
Ceresan M	0.63	0.01	0.0001
Ceresan Red	2.52	0.01	0.0003
Ceresan L	5.03	0.01	0.0005
2,4-D	42.14	0.40	0.1673
Dicamba	1.89	0.08	0.0016
Disulfoton	0.63	3.00	0.0189
Endrin	0.63	0.25	0.0016
Heptachlor	1.26	0.04	0.0005
Lindane	1.89	0.02	0.0004
Malathion	0.63	0.01	0.0001
Maneb	0.63	1.50	0.0094
MCPA	5.66	0.30	0.0171
Methylmercury Dicyandiamide	41.51	0.01	0.0042
Phenylmercury Urea	0.63	0.01	0.0001
PMA	1.26	0.01	0.0001
Polyram	0.63	10.40	0.0654

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

OHIO - 66 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Aldrin	6.06	3.00	0.1818
Amiben	3.03	1.75	0.0530
Atrazine	12.12	1.20	0.1455
Captan	12.12	0.02	0.0021
Ceresan M	1.52	0.01	0.0002
Copper Sulfate	1.52	1.60	0.0242
2,4-D	19.70	0.44	0.0859
Dalapon	1.52	1.50	0.0227
Diazinon	1.52	0.50	0.0076
Dichlone	1.52	1.80	0.0273
Dieldrin	1.52	0.01	0.0002
Dinocap	1.52	0.01	0.0002
Dithane M-45	1.52	0.30	0.0045
Linuron	1.52	0.75	0.0114
Malathion	10.61	0.01	0.0011
Maneb	3.03	0.75	0.0227
Methylmercury Dicyandiamide	1.52	0.05	0.0008
NPA	1.52	2.27	0.0344
PCP	1.52	1.50	0.0227
Picloram	1.52	0.25	0.0038
Randox T	1.52	1.40	0.0212
Sulfur	1.52	25.00	0.3788
TDE Technical	1.52	0.80	0.0121
Trifluralin	1.52	1.00	0.0152
Ziram	1.52	0.80	0.0121

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

OKLAHOMA - 65 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Cacodylic Acid	1.54	0.01	0.0002
Captan	4.62	0.01	0.0005
Carbaryl	1.54	0.30	0.0046
Ceresan M	20.00	0.01	0.0020
Ceresan RED	12.31	0.01	0.0012
Chloroneb	1.54	0.01	0.0002
2,4-D	6.15	0.86	0.0531
2,4-DB	4.62	0.50	0.0231
Dieldrin	4.62	0.01	0.0005
Dimethoate	1.54	0.50	0.0077
Dinitrobutylphenol	1.54	2.00	0.0308
Disulfoton	7.69	0.58	0.0445
Falone	1.54	2.00	0.0308
Methylmercury Dicyandiamide	1.54	0.01	0.0002
Nitrate	10.77	16.64	1.7923
Ethyl Parathion	3.08	0.75	0.0231
Methyl Parathion	12.31	0.65	0.0800
PCNB	1.54	0.01	0.0002
Phosphamidon	1.54	0.12	0.0018
Thiram	1.54	0.01	0.0002
Trifluralin	4.62	1.10	0.0508

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

PENNSYLVANIA - 31 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Atrazine	19.35	1.57	0.3032
Azinphosmethyl	3.23	0.50	0.0161
Captan	3.23	0.01	0.0003
Carbaryl	3.23	0.32	0.0103
Chlordane	3.23	1.20	0.0387
Copper Sulfate	3.23	1.70	0.0548
2,4-D	16.13	0.92	0.1484
DDT Tech.	9.68	0.83	0.0806
Dicofol	3.23	0.42	0.0135
Dinitrobutylphenol	3.23	0.82	0.0265
Dinitrocresol	3.23	3.00	0.0968
Dinocap	3.23	0.44	0.0142
Diuron	3.23	0.32	0.0103
Lindane	3.23	0.02	0.0006
Linuron	3.23	1.00	0.0323
Maneb	3.23	7.00	0.2258
Methyl Demeton	3.23	1.50	0.0484
Nitrate	3.23	100.00	3.2258
Ethyl Parathion	6.45	0.45	0.0290
Phorate	3.23	12.50	0.4032
Simazine	3.23	0.40	0.0129
Sodium Arsenite	3.23	2.50	0.0806
Trifluralin	3.23	0.75	0.0242

RHODE ISLAND - 1 SITE

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Carbaryl	100.00	0.80	0.8000
DDT Tech.	100.00	2.00	2.0000
Disulfoton	100.00	2.00	2.0000
Dithane M-45	100.00	6.40	6.4000
EPTC	100.00	5.00	5.0000
Oxydemetonmethyl	100.00	0.80	0.8000

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

SOUTH CAROLINA - 17 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Azodrin	5.88	0.40	0.0235
Carbaryl	17.65	7.19	1.2682
2,4-D	11.76	0.40	0.0471
DDT Technical	29.41	2.46	0.7229
DEF	5.88	0.20	0.0118
Demeton	5.88	1.60	0.0941
Diuron	5.88	0.72	0.0424
MSMA	5.88	0.45	0.0265
Nabam	5.88	1.20	0.0706
Ethyl Parathion	11.76	0.51	0.0600
Methyl Parathion	11.76	5.10	0.6000
Phorate	5.88	0.20	0.0118
TDE Technical	5.88	2.25	0.1324
Toxaphene	17.65	6.17	1.0894
Trifluralin	35.29	0.21	0.0753

SOUTH DAKOTA - 106 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Atrazine	1.89	1.40	0.0264
Captan	10.38	0.01	0.0010
Carbaryl	0.94	1.05	0.0099
Ceresan M	0.94	0.01	0.0001
2,4-D	26.42	0.47	0.1230
Dalapon	0.94	0.74	0.0070
Dieldrin	1.89	0.01	0.0002
Heptachlor	3.77	0.02	0.0007
Lindane	0.94	0.01	0.0001
Malathion	6.60	0.01	0.0007
MCPA	4.72	0.20	0.0095
Methoxychlor	3.77	0.01	0.0004
Methylmercury Dicyandiamide	10.38	0.01	0.0010
Phorate	0.94	0.60	0.0057
Ramrod	0.94	1.00	0.0094
Thiram	0.94	0.01	0.0001

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

TENNESSEE - 28 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Atrazine	21.43	1.98	0.4250
Bidrin	3.57	0.54	0.0193
Captan	10.71	0.01	0.0011
Ceresan M	7.14	0.01	0.0007
Ceresan Red	3.57	0.01	0.0004
Cotoran	7.14	0.78	0.0557
2,4-DB	7.14	0.43	0.0307
Disulfoton	3.57	0.01	0.0004
Diuron	7.14	0.06	0.0046
Linuron	7.14	0.75	0.0536
Malathion	3.57	0.01	0.0004
Methylmercury Dicyandiamide	3.57	0.01	0.0004
MSMA	3.57	0.46	0.0164
Nitrate	7.14	250.00	17.8571
Nitralin	3.57	0.15	0.0054
PCNB	3.57	0.01	0.0004
Trifluralin	14.29	0.38	0.0543

UTAH - 12 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Dichloropropene	8.33	180.00	15.0000
Heptachlor	8.33	0.34	0.0283

VERMONT - 5 SITES NO PESTICIDES USED

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

VIRGINIA - 20 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Atrazine	5.00	4.00	0.2000
Azinphosmethyl	5.00	2.00	0.1000
Carbaryl	5.00	2.75	0.1375
Copper Oxide	10.00	2.60	0.2600
2,4-D	10.00	1.12	0.1125
2,4-DB	5.00	0.20	0.0100
DDT Tech.	5.00	2.00	0.1000
Diazinon	5.00	0.50	0.0250
Dinitrobutylphenol	5.00	1.50	0.0750
Diphenamid	5.00	4.00	0.2000
Disulfoton	10.00	6.80	0.6800
Ethylene Dibromide	5.00	23.24	1.1620
Dichloropropane	5.00	54.43	2.7215
Malathion	5.00	0.95	0.0475
Methoxychlor	5.00	1.00	0.0500
Ethyl Parathion	5.00	6.00	0.3000
Phorate	5.00	3.00	0.1500
Sulfur	5.00	57.00	2.8500
Vernolate	5.00	2.40	0.1200

WASHINGTON - 2 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Ceresan L	50.00	0.01	0.0050
2,4-D	50.00	1.00	0.5000

WEST VIRGINIA - 5 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Azinphosmethyl	20.00	0.50	0.1000
Ethyl Parathion	20.00	1.50	0.3000

TABLE 11. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON CROPLAND (CONT)

WISCONSIN - 68 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Atrazine	29.41	2.61	0.7684
Ceresan Red	1.47	0.01	0.0001
2,4-D	2.94	0.75	0.0221
Ramrod	1.47	2.00	0.0294
Trifluralin	1.47	2.00	0.0294

WYOMING - 17 SITES NO PESTICIDES USED

TABLE 12. SUMMARY OF PESTICIDES USED IN YEAR OF SAMPLING ON NONCROPLAND

ARIZONA - 43 SITES NO PESTICIDES USED

GEORGIA - 15 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Mirex	6.67	0.01	0.0007

IDAHO - 26 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
Malathion	3.85	0.61	0.0235

IOWA - 7 SITES NO PESTICIDES USED

MAINE - 11 SITES NO PESTICIDES USED

MARYLAND - 3 SITES NO PESTICIDES USED

NEBRASKA - 19 SITES

Pesticide Name	Pct. of Sites	Average Appl. Rate (lbs/a)	Average Amount (lbs/a)
2,4-D	5.26	2.00	0.1053

VIRGINIA - 14 SITES NO PESTICIDES USED

WASHINGTON - 11 SITES NO PESTICIDES USED

WEST VIRGINIA - 9 SITES NO PESTICIDES USED

WYOMING - 37 SITES NO PESTICIDES USED

TABLE 13. COMPARISON OF RESIDUES WITH USE RECORDS FOR STATES WITH HIGHEST ARSENIC RESIDUES

State	Average Amount (lbs/a)	Pct. of Sites	Mean Pest. Level (ppm)	Pct. of Times Found
Arkansas	0.13[1]	4.4	9.0	100.0
Kentucky	No Arsenic Compounds Used		8.4	100.0
New England	0.88[2]	10.0	10.2	100.0
New York	0.12[3]	5.3	9.4	94.6
North Dakota	No Arsenic Compounds Used		8.5	100.0
Ohio	No Arsenic Compounds Used		11.2	100.0
Pennsylvania	0.08[2]	3.2	10.8	100.0

[1] Calculated for DSMA

[2] Calculated for Sodium Arsenite

[3] Calculated for Sodium Arsenite and Lead Arsenate

TABLE 14. COMPARISON OF RESIDUES WITH USE RECORDS FOR STATES WITH HIGHEST DDTR RESIDUES

State	Average Amount lbs/a)	Pct. of Sites	Mean Pest. Level (ppm)	Pct. of Times Found
Alabama	4.20	39.1	1.13	90.9
California	0.38	13.6	1.47	84.6
Michigan	0.03	2.0	2.09	23.5
Mississippi	1.07	31.0	2.06	89.7
South Carolina	0.72	29.4	1.17	88.2

TABLE 15. COMPARISON OF RESIDUES WITH USE RECORDS FOR STATES WITH HIGHEST DIELDRIN RESIDUES

State	Average Amount (lbs/a)	Pct. of Sites	Mean Pest. Level (ppm)	Pct. of Times Found
Florida	0.00	0.0	0.08	38.9
Illinois	0.29 (A)	19.2		
	0.01 (D)	2.1	0.11	61.3
Iowa	0.06 (A)	8.6		
	<0.01 (D)	0.7	0.06	53.6
Kentucky	0.19 (A)	9.7	0.06	54.8
North Carolina	0.12 (A)	6.9		
	0.09 (D)	6.9	0.08	32.3
Virginia/W. Virginia	0.00	0.0	0.07	25.9

(A) = Aldrin

(D) = Dieldrin

TABLE 16 FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL

ALABAMA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	1.70	1.45	1.18
	20	2.33	2.07	1.78
	30	2.94	2.67	2.38
	40	3.62	3.33	3.03
	50	4.42	4.09	3.76
	60	5.47	5.01	4.63
	70	6.94	6.24	5.71
	80	9.25	8.07	7.23
	90	13.91	11.52	9.96
	95	19.53	15.46	12.93
pp'DDE	10	0.02	0.01	0.00
	20	0.03	0.02	0.01
	30	0.04	0.03	0.01
	40	0.07	0.04	0.02
	50	0.10	0.07	0.04
	60	0.16	0.11	0.07
	70	0.28	0.18	0.12
	80	0.58	0.31	0.21
	90	1.76	0.68	0.40
	95	4.48	1.31	0.67
op'DDT	10	0.00	0.00	0.00
	20	0.01	0.00	0.00
	30	0.01	0.01	0.00
	40	0.02	0.01	0.01
	50	0.03	0.02	0.01
	60	0.04	0.03	0.03
	70	0.08	0.06	0.05
	80	0.16	0.12	0.09
	90	0.49	0.29	0.20
	95	1.21	0.62	0.38

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

ALABAMA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
pp'DDT	10	0.03	0.01	0.01
	20	0.05	0.04	0.02
	30	0.10	0.07	0.04
	40	0.16	0.12	0.09
	50	0.27	0.21	0.15
	60	0.45	0.35	0.27
	70	0.83	0.60	0.46
	80	1.75	1.16	0.84
	90	5.15	2.87	1.88
	95	12.69	6.06	3.59
DDTR	10	0.05	0.03	0.02
	20	0.11	0.08	0.05
	30	0.19	0.14	0.09
	40	0.30	0.23	0.17
	50	0.48	0.38	0.29
	60	0.77	0.61	0.48
	70	1.34	1.01	0.79
	80	2.66	1.84	1.38
	90	7.09	4.20	2.87
	95	16.12	8.33	5.19
pp'TDE	10	0.00	0.00	0.00
	20	0.01	0.00	0.00
	30	0.01	0.01	0.00
	40	0.01	0.01	0.01
	50	0.02	0.01	0.01
	60	0.02	0.02	0.02
	70	0.04	0.03	0.03
	80	0.07	0.05	0.05
	90	0.15	0.11	0.09
	95	0.31	0.20	0.15

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

ARKANSAS

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	3.39	3.25	3.09
	20	4.42	4.28	4.13
	30	5.37	5.22	5.08
	40	6.34	6.19	6.05
	50	7.42	7.26	7.10
	60	8.72	8.51	8.32
	70	10.38	10.10	9.84
	80	12.75	12.32	11.94
	90	17.01	16.25	15.58
	95	21.59	20.41	19.39
pp'DDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.01	0.01	0.00
	40	0.01	0.01	0.01
	50	0.02	0.02	0.02
	60	0.04	0.04	0.03
	70	0.08	0.08	0.07
	80	0.19	0.17	0.15
	90	0.61	0.50	0.42
	95	1.60	1.22	0.97
op'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.01	0.00
	60	0.01	0.01	0.01
	70	0.03	0.02	0.02
	80	0.06	0.05	0.04
	90	0.22	0.16	0.12
	95	0.67	0.41	0.28

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

ARKANSAS (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
pp'DDT	10	0.00	0.00	0.00
	20	0.01	0.00	0.00
	30	0.01	0.01	0.01
	40	0.02	0.02	0.01
	50	0.04	0.03	0.03
	60	0.07	0.06	0.05
	70	0.14	0.12	0.11
	80	0.31	0.26	0.23
	90	1.01	0.79	0.64
	95	2.71	1.95	1.48
DDTR	10	0.01	0.00	0.00
	20	0.02	0.01	0.01
	30	0.03	0.03	0.02
	40	0.06	0.05	0.04
	50	0.10	0.09	0.08
	60	0.18	0.17	0.15
	70	0.35	0.32	0.29
	80	0.75	0.66	0.58
	90	2.24	1.83	1.54
	95	5.53	4.27	3.41
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.00	0.00
	70	0.01	0.01	0.00
	80	0.03	0.02	0.01
	90	0.09	0.05	0.04
	95	0.41	0.14	0.09

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

ARKANSAS (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
pp'TDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.01	0.01	0.00
	50	0.01	0.01	0.01
	60	0.02	0.02	0.01
	70	0.04	0.03	0.03
	80	0.09	0.07	0.06
	90	0.28	0.19	0.14
	95	0.78	0.45	0.30
Toxaphene	10	0.02	0.00	0.00
	20	0.04	0.01	0.00
	30	0.07	0.01	0.00
	40	0.10	0.02	0.00
	50	0.15	0.04	0.00
	60	0.21	0.08	0.00
	70	0.31	0.14	0.01
	80	0.51	0.29	0.04
	90	1.20	0.77	0.37
	95	4.68	1.72	1.11

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

CALIFORNIA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	1.58	1.50	1.42
	20	2.17	2.09	2.01
	30	2.73	2.65	2.56
	40	3.33	3.25	3.16
	50	4.02	3.92	3.83
	60	4.86	4.74	4.62
	70	5.98	5.81	5.65
	80	7.65	7.36	7.11
	90	10.77	10.24	9.77
	95	14.29	13.44	12.69
op'DDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.00	0.00
	70	0.01	0.01	0.00
	80	0.02	0.01	0.01
	90	0.05	0.04	0.03
	95	0.13	0.08	0.05
pp'DDE	10	0.00	0.00	0.00
	20	0.01	0.01	0.00
	30	0.01	0.01	0.01
	40	0.03	0.02	0.02
	50	0.05	0.04	0.04
	60	0.09	0.08	0.07
	70	0.17	0.15	0.14
	80	0.37	0.33	0.30
	90	1.12	0.96	0.83
	95	2.80	2.31	1.93

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

CALIFORNIA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
op'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.01	0.00
	60	0.01	0.01	0.01
	70	0.03	0.02	0.02
	80	0.06	0.05	0.04
	90	0.20	0.16	0.13
	95	0.58	0.41	0.31
pp'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.01	0.01	0.01
	40	0.02	0.02	0.02
	50	0.04	0.03	0.03
	60	0.07	0.06	0.06
	70	0.14	0.13	0.12
	80	0.32	0.29	0.27
	90	1.03	0.92	0.83
	95	2.73	2.37	2.07
DDTR	10	0.01	0.01	0.00
	20	0.02	0.02	0.01
	30	0.04	0.03	0.03
	40	0.07	0.07	0.06
	50	0.14	0.13	0.12
	60	0.26	0.24	0.22
	70	0.51	0.46	0.43
	80	1.15	1.02	0.92
	90	3.61	3.07	2.65
	95	9.30	7.60	6.31

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

CALIFORNIA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.01	0.01	0.00
	90	0.04	0.02	0.02
	95	0.21	0.08	0.05
op'TDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.01	0.00
	80	0.02	0.01	0.01
	90	0.07	0.05	0.04
	95	0.25	0.17	0.13
pp'TDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.01	0.00	0.00
	40	0.01	0.01	0.01
	50	0.02	0.01	0.01
	60	0.03	0.02	0.02
	70	0.05	0.04	0.04
	80	0.10	0.09	0.08
	90	0.26	0.22	0.19
	95	0.61	0.48	0.39

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

CALIFORNIA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Toxaphene	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.01	0.00	0.00
	40	0.01	0.00	0.00
	50	0.02	0.01	0.00
	60	0.04	0.01	0.00
	70	0.08	0.03	0.00
	80	0.16	0.08	0.02
	90	0.47	0.32	0.18
	95	1.86	0.94	0.62

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL

COLORADO

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	2.45	2.39	2.32
	20	2.96	2.90	2.84
	30	3.39	3.33	3.28
	40	3.81	3.76	3.70
	50	4.26	4.20	4.15
	60	4.77	4.70	4.64
	70	5.39	5.30	5.22
	80	6.22	6.10	5.99
	90	7.61	7.41	7.23
	95	8.98	8.70	8.44

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

FLORIDA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	0.28	0.23	0.17
	20	0.37	0.32	0.25
	30	0.45	0.40	0.34
	40	0.54	0.49	0.43
	50	0.64	0.58	0.53
	60	0.78	0.70	0.64
	70	0.97	0.86	0.78
	80	1.27	1.09	0.96
	90	1.89	1.50	1.28
	95	2.62	1.96	1.60
Chlordane	10	0.00	0.00	0.00
	20	0.01	0.00	0.00
	30	0.02	0.01	0.00
	40	0.03	0.02	0.01
	50	0.05	0.03	0.02
	60	0.09	0.06	0.03
	70	0.17	0.12	0.08
	80	0.40	0.27	0.19
	90	1.61	0.81	0.52
	95	5.38	2.00	1.10
pp'DDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.01	0.00	0.00
	40	0.01	0.01	0.01
	50	0.03	0.02	0.01
	60	0.05	0.04	0.03
	70	0.10	0.07	0.05
	80	0.24	0.15	0.11
	90	0.92	0.47	0.29
	95	2.88	1.17	0.64

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

FLORIDA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
op'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.00	0.00
	60	0.02	0.01	0.00
	70	0.03	0.02	0.01
	80	0.08	0.05	0.03
	90	0.45	0.18	0.10
	95	1.98	0.50	0.24
pp'DDT	10	0.01	0.00	0.00
	20	0.01	0.01	0.00
	30	0.02	0.01	0.01
	40	0.04	0.03	0.01
	50	0.07	0.05	0.03
	60	0.13	0.09	0.06
	70	0.26	0.17	0.12
	80	0.65	0.37	0.25
	90	2.43	1.07	0.62
	95	7.44	2.57	1.29
DDTR	10	0.00	0.00	0.00
	20	0.01	0.01	0.01
	30	0.03	0.02	0.01
	40	0.05	0.04	0.03
	50	0.10	0.08	0.06
	60	0.19	0.15	0.12
	70	0.39	0.31	0.25
	80	0.94	0.70	0.54
	90	3.34	2.16	1.52
	95	9.62	5.50	3.53

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

FLORIDA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
pp'TDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.01	0.00	0.00
	50	0.02	0.01	0.00
	60	0.03	0.02	0.01
	70	0.06	0.04	0.02
	80	0.18	0.09	0.05
	90	1.12	0.32	0.16
	95	5.34	0.92	0.37

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

GEORGIA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	0.74	0.68	0.62
	20	1.03	0.96	0.90
	30	1.31	1.24	1.17
	40	1.61	1.54	1.47
	50	1.96	1.88	1.80
	60	2.41	2.30	2.21
	70	3.01	2.86	2.73
	80	3.93	3.68	3.48
	90	5.71	5.23	4.85
	95	7.78	6.99	6.37
pp'DDE	10	0.01	0.00	0.00
	20	0.01	0.01	0.01
	30	0.02	0.02	0.01
	40	0.04	0.03	0.03
	50	0.06	0.05	0.04
	60	0.10	0.08	0.07
	70	0.16	0.13	0.11
	80	0.31	0.24	0.19
	90	0.78	0.53	0.39
	95	1.68	1.03	0.70
op'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.01	0.00	0.00
	40	0.01	0.01	0.00
	50	0.01	0.01	0.01
	60	0.02	0.02	0.01
	70	0.05	0.03	0.02
	80	0.10	0.07	0.05
	90	0.38	0.20	0.13
	95	1.16	0.48	0.27

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

GEORGIA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
pp'DDT	10	0.02	0.01	0.00
	20	0.04	0.02	0.01
	30	0.06	0.04	0.03
	40	0.10	0.08	0.05
	50	0.17	0.13	0.09
	60	0.28	0.22	0.17
	70	0.51	0.38	0.29
	80	1.09	0.72	0.53
	90	3.28	1.79	1.17
	95	8.26	3.78	2.22
DDTR	10	0.02	0.01	0.01
	20	0.06	0.04	0.02
	30	0.10	0.07	0.05
	40	0.18	0.13	0.09
	50	0.30	0.23	0.17
	60	0.54	0.41	0.31
	70	1.02	0.74	0.56
	80	2.26	1.48	1.06
	90	7.03	3.89	2.51
	95	18.16	8.65	5.04
pp'TDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.01	0.00	0.00
	50	0.01	0.01	0.01
	60	0.02	0.02	0.01
	70	0.05	0.03	0.02
	80	0.12	0.07	0.05
	90	0.46	0.22	0.14
	95	1.52	0.54	0.29

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

GEORGIA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Toxaphene	10	0.10	0.06	0.02
	20	0.16	0.10	0.04
	30	0.22	0.15	0.08
	40	0.28	0.20	0.12
	50	0.36	0.28	0.18
	60	0.47	0.38	0.27
	70	0.63	0.53	0.42
	80	0.91	0.79	0.68
	90	1.72	1.37	1.16
	95	3.10	2.14	1.70

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

IDAHO

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Lower (ppm)
Arsenic	10	0.99	0.76	0.52
	20	1.41	1.15	0.86
	30	1.82	1.55	1.24
	40	2.28	2.00	1.68
	50	2.85	2.53	2.21
	60	3.62	3.21	2.85
	70	4.79	4.14	3.67
	80	6.79	5.57	4.81
	90	11.22	8.41	6.88
	95	17.10	11.81	9.19
pp'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.00	0.00
	70	0.01	0.00	0.00
	80	0.03	0.01	0.00
	90	0.24	0.06	0.02
	95	6.24	0.27	0.10
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.01	0.00	0.00
	50	0.01	0.00	0.00
	60	0.02	0.01	0.00
	70	0.03	0.01	0.00
	80	0.06	0.04	0.01
	90	0.25	0.13	0.08
	95	1.29	0.39	0.22

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

ILLINOIS

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Aldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.01	0.01
	70	0.02	0.02	0.02
	80	0.07	0.06	0.05
	90	0.34	0.28	0.24
	95	1.33	1.00	0.79
Arsenic	10	2.65	2.59	2.53
	20	3.56	3.50	3.44
	30	4.40	4.34	4.28
	40	5.29	5.22	5.16
	50	6.28	6.20	6.13
	60	7.46	7.37	7.28
	70	9.00	8.86	8.73
	80	11.20	11.00	10.80
	90	15.21	14.83	14.48
	95	19.57	18.99	18.45
Chlordane	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.01	0.00	0.00
	50	0.01	0.01	0.00
	60	0.03	0.02	0.01
	70	0.06	0.04	0.02
	80	0.16	0.13	0.09
	90	0.76	0.58	0.46
	95	3.27	2.03	1.43

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

ILLINOIS (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.01	0.00	0.00
	90	0.02	0.01	0.00
	95	0.05	0.03	0.02
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.01	0.01	0.01
	40	0.02	0.01	0.01
	50	0.03	0.02	0.02
	60	0.05	0.04	0.03
	70	0.09	0.08	0.07
	80	0.18	0.15	0.13
	90	0.54	0.42	0.33
	95	1.36	0.95	0.71
Heptachlor	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.01	0.01	0.00
	90	0.06	0.04	0.03
	95	0.31	0.18	0.13

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

ILLINOIS (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Heptachlor Epoxide	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.01	0.01
	80	0.02	0.01	0.01
	90	0.05	0.04	0.04
	95	0.13	0.10	0.08

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

INDIANA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Aldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.00	0.00	0.00
	90	0.02	0.02	0.01
	95	0.15	0.09	0.06
Arsenic	10	3.65	3.44	3.20
	20	4.60	4.39	4.17
	30	5.45	5.25	5.03
	40	6.30	6.10	5.90
	50	7.24	7.03	6.82
	60	8.35	8.10	7.86
	70	9.77	9.42	9.12
	80	11.77	11.25	10.80
	90	15.30	14.38	13.62
	95	19.03	17.62	16.48
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.00	0.00
	70	0.01	0.01	0.00
	80	0.02	0.02	0.01
	90	0.10	0.07	0.05
	95	0.42	0.20	0.13

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

IOWA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Aldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.01	0.00
	80	0.02	0.01	0.01
	90	0.07	0.06	0.05
	95	0.24	0.18	0.15
Arsenic	10	2.65	2.58	2.50
	20	3.47	3.40	3.33
	30	4.22	4.16	4.08
	40	5.00	4.93	4.86
	50	5.86	5.78	5.71
	60	6.88	6.79	6.70
	70	8.18	8.05	7.93
	80	10.04	9.84	9.65
	90	13.34	12.99	12.66
	95	16.88	16.33	15.83
Atrazine	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.00	0.00
	60	0.01	0.01	0.00
	70	0.02	0.01	0.01
	80	0.03	0.02	0.01
	90	0.07	0.05	0.04
	95	0.21	0.11	0.08

TABLE 16 FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

IOWA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Chlordane	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.01	0.00
	60	0.01	0.01	0.01
	70	0.03	0.02	0.02
	80	0.07	0.06	0.05
	90	0.23	0.20	0.18
	95	0.69	0.57	0.49
pp'DDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.01	0.00	0.00
	90	0.01	0.01	0.01
	95	0.03	0.03	0.03
pp'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.01	0.01	0.00
	90	0.02	0.02	0.02
	95	0.07	0.05	0.05

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

IOWA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.00	0.00
	80	0.01	0.01	0.01
	90	0.04	0.04	0.03
	95	0.15	0.12	0.09
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.01	0.00	0.00
	40	0.01	0.01	0.01
	50	0.02	0.01	0.01
	60	0.03	0.02	0.02
	70	0.05	0.04	0.04
	80	0.10	0.08	0.07
	90	0.27	0.21	0.17
	95	0.66	0.45	0.34
Heptachlor	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.00	0.00	0.00
	90	0.01	0.01	0.00
	95	0.03	0.02	0.02

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

IOWA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Heptachlor Epoxide	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.00	0.00
	80	0.01	0.01	0.01
	90	0.02	0.02	0.02
	95	0.06	0.05	0.04

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

KENTUCKY

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Aldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.00	0.00
	80	0.02	0.01	0.00
	90	0.08	0.04	0.03
	95	0.41	0.14	0.08
Arsenic	10	5.17	4.48	3.57
	20	6.07	5.45	4.60
	30	6.83	6.26	5.51
	40	7.60	7.06	6.40
	50	8.45	7.89	7.30
	60	9.50	8.83	8.24
	70	10.92	9.95	9.26
	80	12.99	11.44	10.50
	90	16.69	13.90	12.37
	95	20.59	16.31	14.11
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.01	0.00	0.00
	50	0.01	0.01	0.00
	60	0.02	0.01	0.01
	70	0.03	0.02	0.02
	80	0.06	0.05	0.04
	90	0.21	0.14	0.10
	95	0.57	0.33	0.22

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

LOUISIANA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	0.69	0.58	0.46
	20	0.95	0.83	0.70
	30	1.20	1.08	0.94
	40	1.47	1.34	1.21
	50	1.80	1.65	1.51
	60	2.22	2.03	1.87
	70	2.82	2.54	2.32
	80	3.78	3.29	2.95
	90	5.72	4.71	4.07
	95	8.08	6.35	5.29
pp'DDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.00	0.00
	60	0.01	0.01	0.00
	70	0.03	0.02	0.01
	80	0.10	0.06	0.04
	90	0.77	0.30	0.17
	95	4.90	1.19	0.52
op'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.00	0.00
	60	0.01	0.01	0.00
	70	0.02	0.01	0.00
	80	0.05	0.03	0.02
	90	0.22	0.11	0.07
	95	1.02	0.32	0.18

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

LOUISIANA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
pp'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.01	0.00	0.00
	50	0.02	0.01	0.00
	60	0.04	0.02	0.01
	70	0.09	0.06	0.04
	80	0.31	0.20	0.14
	90	2.12	1.02	0.61
	95	11.31	3.87	1.90
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.01	0.01	0.00
	50	0.02	0.01	0.01
	60	0.06	0.04	0.02
	70	0.14	0.10	0.07
	80	0.48	0.33	0.24
	90	3.15	1.73	1.10
	95	15.96	6.69	3.59
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.01	0.00	0.00
	40	0.01	0.00	0.00
	50	0.01	0.01	0.00
	60	0.01	0.01	0.01
	70	0.02	0.02	0.01
	80	0.03	0.03	0.02
	90	0.07	0.05	0.04
	95	0.17	0.09	0.07

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

MICHIGAN

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	1.97	1.36	0.63
	20	2.60	1.94	1.11
	30	3.23	2.51	1.64
	40	3.96	3.12	2.24
	50	4.92	3.83	2.93
	60	6.32	4.70	3.70
	70	8.54	5.86	4.59
	80	12.49	7.57	5.75
	90	21.73	10.80	7.65
	95	34.69	14.48	9.58
pp'DDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.00	0.00	0.00
	90	0.03	0.02	0.01
	95	0.52	0.16	0.08
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.00	0.00	0.00
	90	0.06	0.04	0.02
	95	1.23	0.45	0.23

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

MICHIGAN (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.00	0.00	0.00
	90	0.03	0.02	0.01
	95	0.38	0.10	0.05

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

MID-ATLANTIC STATES GROUP [1]

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	2.72	2.28	1.76
	20	3.50	3.05	2.52
	30	4.21	3.77	3.25
	40	4.98	4.51	4.01
	50	5.87	5.34	4.83
	60	7.02	6.32	5.74
	70	8.62	7.56	6.82
	80	11.09	9.33	8.24
	90	15.87	12.50	10.61
	95	21.43	15.92	13.02

[1] Includes Delaware, Maryland and New Jersey

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

MISSISSIPPI

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	2.30	2.14	1.97
	20	2.96	2.80	2.63
	30	3.55	3.40	3.23
	40	4.17	4.01	3.85
	50	4.86	4.68	4.51
	60	5.69	5.47	5.27
	70	6.76	6.46	6.19
	80	8.31	7.84	7.45
	90	11.09	10.27	9.60
	95	14.11	12.82	11.81
pp'DDE	10	0.01	0.01	0.01
	20	0.03	0.02	0.02
	30	0.04	0.04	0.03
	40	0.07	0.06	0.05
	50	0.11	0.09	0.08
	60	0.17	0.15	0.13
	70	0.28	0.24	0.21
	80	0.51	0.42	0.36
	90	1.19	0.92	0.75
	95	2.44	1.77	1.36
op'DDT	10	0.01	0.01	0.01
	20	0.02	0.01	0.01
	30	0.03	0.02	0.02
	40	0.04	0.04	0.03
	50	0.06	0.06	0.05
	60	0.10	0.09	0.08
	70	0.16	0.14	0.13
	80	0.27	0.24	0.21
	90	0.61	0.50	0.42
	95	1.18	0.92	0.75

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

MISSISSIPPI (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
pp'DDT	10	0.03	0.02	0.01
	20	0.06	0.04	0.03
	30	0.12	0.09	0.07
	40	0.21	0.17	0.13
	50	0.36	0.29	0.24
	60	0.63	0.52	0.43
	70	1.20	0.95	0.77
	80	2.62	1.93	1.51
	90	7.94	5.19	3.70
	95	20.04	11.74	7.71
DDTR	10	0.06	0.04	0.02
	20	0.13	0.10	0.07
	30	0.24	0.19	0.14
	40	0.41	0.33	0.26
	50	0.67	0.55	0.45
	60	1.13	0.93	0.77
	70	2.04	1.63	1.33
	80	4.18	3.12	2.45
	90	11.62	7.69	5.56
	95	27.29	16.20	10.82
pp'TDE	10	0.00	0.00	0.00
	20	0.01	0.00	0.00
	30	0.01	0.01	0.00
	40	0.02	0.01	0.01
	50	0.03	0.02	0.01
	60	0.06	0.04	0.03
	70	0.11	0.08	0.06
	80	0.28	0.18	0.13
	90	1.06	0.55	0.35
	95	3.30	1.34	0.74

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

MISSISSIPPI (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Toxaphene	10	0.03	0.01	0.00
	20	0.06	0.03	0.01
	30	0.10	0.06	0.02
	40	0.16	0.10	0.04
	50	0.24	0.16	0.09
	60	0.36	0.27	0.17
	70	0.58	0.45	0.33
	80	1.12	0.84	0.65
	90	3.33	1.99	1.43
	95	8.64	4.04	2.57

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

MISSOURI

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Aldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.00	0.00
	80	0.02	0.01	0.01
	90	0.06	0.05	0.05
	95	0.23	0.17	0.14
Arsenic	10	2.65	2.31	1.92
	20	3.36	3.02	2.63
	30	4.00	3.67	3.29
	40	4.67	4.33	3.97
	50	5.43	5.05	4.69
	60	6.38	5.90	5.49
	70	7.66	6.96	6.44
	80	9.56	8.45	7.68
	90	13.11	11.06	9.75
	95	17.06	13.81	11.84
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.00	0.00
	70	0.02	0.01	0.01
	80	0.04	0.03	0.02
	90	0.15	0.11	0.08
	95	0.58	0.32	0.22

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

NEBRASKA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	1.64	1.52	1.40
	20	2.35	2.22	2.08
	30	3.05	2.91	2.77
	40	3.82	3.67	3.53
	50	4.73	4.56	4.40
	60	5.88	5.67	5.47
	70	7.47	7.16	6.88
	80	9.91	9.39	8.94
	90	14.73	13.70	12.83
	95	20.47	18.71	17.26
Chlordane	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.00	0.00
	60	0.01	0.01	0.00
	70	0.01	0.01	0.00
	80	0.02	0.01	0.01
	90	0.03	0.03	0.02
	95	0.05	0.05	0.04
pp'DDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.00	0.00
	80	0.01	0.00	0.00
	90	0.02	0.01	0.01
	95	0.06	0.03	0.02

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

NEBRASKA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.01	0.00
	80	0.01	0.01	0.01
	90	0.03	0.03	0.03
	95	0.09	0.07	0.06
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.00	0.00
	70	0.01	0.01	0.01
	80	0.02	0.02	0.01
	90	0.06	0.05	0.04
	95	0.16	0.11	0.08

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

NEW ENGLAND STATES GROUP [1]

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	1.66	1.35	1.04
	20	2.60	2.21	1.82
	30	3.62	3.16	2.70
	40	4.83	4.29	3.77
	50	6.39	5.71	5.09
	60	8.57	7.60	6.78
	70	11.87	10.31	9.11
	80	17.58	14.73	12.72
	90	30.65	24.17	19.99
	95	48.74	36.39	28.90
pp'DDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.01	0.00	0.00
	40	0.01	0.00	0.00
	50	0.02	0.01	0.00
	60	0.03	0.02	0.01
	70	0.06	0.04	0.02
	80	0.15	0.09	0.06
	90	0.71	0.28	0.16
	95	2.79	0.72	0.34
pp'DDT	10	0.00	0.00	0.00
	20	0.01	0.00	0.00
	30	0.01	0.00	0.00
	40	0.03	0.01	0.00
	50	0.05	0.02	0.00
	60	0.09	0.05	0.01
	70	0.19	0.11	0.04
	80	0.57	0.29	0.16
	90	4.18	1.18	0.60
	95	25.87	3.75	1.49

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

NEW ENGLAND STATES GROUP (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.01	0.00	0.00
	40	0.02	0.01	0.00
	50	0.04	0.02	0.01
	60	0.09	0.05	0.02
	70	0.23	0.13	0.07
	80	0.90	0.43	0.24
	90	7.88	2.24	1.04
	95	52.06	8.73	3.16
pp'TDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.01	0.00	0.00
	40	0.01	0.00	0.00
	50	0.01	0.01	0.00
	60	0.02	0.01	0.00
	70	0.03	0.02	0.01
	80	0.05	0.03	0.02
	90	0.14	0.08	0.05
	95	0.42	0.15	0.09

[1] Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island and Vermont

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

NEW YORK

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	2.19	2.03	1.87
	20	3.14	2.97	2.79
	30	4.08	3.90	3.71
	40	5.11	4.92	4.73
	50	6.34	6.12	5.90
	60	7.91	7.61	7.34
	70	10.05	9.61	9.21
	80	13.37	12.63	11.98
	90	19.93	18.44	17.19
	95	27.75	25.20	23.12
pp'DDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.00	0.00
	80	0.04	0.02	0.01
	90	0.94	0.25	0.11
	95	19.51	1.85	0.56
op'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.01	0.01	0.00
	90	0.07	0.04	0.02
	95	0.72	0.19	0.09

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

NEW YORK (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
pp'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.00	0.00
	60	0.01	0.01	0.00
	70	0.04	0.02	0.01
	80	0.12	0.09	0.06
	90	0.88	0.53	0.36
	95	5.40	2.38	1.34
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.01	0.00
	70	0.05	0.03	0.02
	80	0.20	0.13	0.09
	90	2.05	1.11	0.69
	95	16.17	6.32	3.20
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.00	0.00
	70	0.02	0.01	0.00
	80	0.03	0.02	0.02
	90	0.15	0.09	0.06
	95	0.63	0.24	0.14

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CORPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

NEW YORK (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
pp'TDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.01	0.00
	80	0.02	0.02	0.01
	90	0.10	0.07	0.05
	95	0.44	0.22	0.14

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

NORTH CAROLINA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	0.73	0.61	0.49
	20	1.23	1.06	0.90
	30	1.79	1.59	1.39
	40	2.49	2.23	1.99
	50	3.42	3.07	2.77
	60	4.75	4.23	3.80
	70	6.83	5.96	5.28
	80	10.54	8.90	7.70
	90	19.40	15.50	12.86
	95	32.24	24.53	19.58
pp'DDE	10	0.00	0.00	0.00
	20	0.01	0.01	0.00
	30	0.01	0.01	0.01
	40	0.02	0.02	0.01
	50	0.03	0.03	0.02
	60	0.05	0.04	0.03
	70	0.08	0.06	0.06
	80	0.14	0.11	0.09
	90	0.33	0.24	0.19
	95	0.67	0.45	0.33
op'DDT	10	0.00	0.00	0.00
	20	0.01	0.00	0.00
	30	0.01	0.01	0.00
	40	0.01	0.01	0.01
	50	0.02	0.01	0.01
	60	0.03	0.02	0.02
	70	0.04	0.04	0.03
	80	0.08	0.07	0.06
	90	0.19	0.15	0.12
	95	0.43	0.28	0.21

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

NORTH CAROLINA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
pp'DDT	10	0.00	0.00	0.00
	20	0.01	0.00	0.00
	30	0.01	0.01	0.00
	40	0.03	0.02	0.01
	50	0.05	0.03	0.02
	60	0.09	0.07	0.05
	70	0.18	0.14	0.11
	80	0.45	0.32	0.24
	90	1.77	1.03	0.69
	95	5.66	2.68	1.58
DDTR	10	0.02	0.01	0.00
	20	0.04	0.02	0.01
	30	0.07	0.04	0.02
	40	0.11	0.07	0.04
	50	0.18	0.13	0.08
	60	0.31	0.23	0.16
	70	0.57	0.41	0.30
	80	1.28	0.82	0.59
	90	4.30	2.14	1.36
	95	12.05	4.74	2.63
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.01	0.00	0.00
	50	0.01	0.00	0.00
	60	0.01	0.01	0.00
	70	0.02	0.01	0.00
	80	0.04	0.03	0.01
	90	0.18	0.08	0.05
	95	0.83	0.20	0.11

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

NORTH CAROLINA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
op'TDE	10	0.01	0.01	0.00
	20	0.01	0.01	0.00
	30	0.02	0.01	0.00
	40	0.02	0.02	0.01
	50	0.03	0.02	0.01
	60	0.03	0.03	0.02
	70	0.04	0.04	0.02
	80	0.06	0.05	0.04
	90	0.11	0.08	0.07
	95	0.19	0.12	0.09
pp'TDE	10	0.00	0.00	0.00
	20	0.01	0.00	0.00
	30	0.01	0.01	0.00
	40	0.02	0.01	0.00
	50	0.03	0.02	0.01
	60	0.05	0.03	0.02
	70	0.09	0.06	0.04
	80	0.23	0.13	0.08
	90	0.99	0.34	0.20
	95	3.53	0.79	0.38
Toxaphene	10	0.03	0.01	0.00
	20	0.06	0.02	0.00
	30	0.08	0.03	0.00
	40	0.11	0.05	0.00
	50	0.16	0.07	0.01
	60	0.21	0.11	0.02
	70	0.30	0.18	0.05
	80	0.46	0.32	0.15
	90	1.06	0.70	0.50
	95	3.15	1.34	0.92

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

NORTH DAKOTA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	2.85	2.83	2.80
	20	3.85	3.82	3.79
	30	4.77	4.74	4.71
	40	5.74	5.71	5.68
	50	6.82	6.79	6.75
	60	8.12	8.07	8.03
	70	9.78	9.72	9.66
	80	12.17	12.07	11.98
	90	16.48	16.31	16.15
	95	21.18	20.91	20.65
pp'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.00	0.00	0.00
	90	0.01	0.00	0.00
	95	0.01	0.01	0.01
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.00	0.00	0.00
	90	0.01	0.00	0.00
	95	0.02	0.01	0.01

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

OHIO

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Aldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.00	0.00
	80	0.01	0.01	0.00
	90	0.05	0.03	0.02
	95	0.23	0.12	0.08
Arsenic	10	2.22	2.08	1.94
	20	3.41	3.24	3.07
	30	4.65	4.46	4.27
	40	6.09	5.87	5.66
	50	7.85	7.58	7.32
	60	10.15	9.79	9.45
	70	13.42	12.88	12.38
	80	18.67	17.74	16.91
	90	29.59	27.67	26.00
	95	43.35	39.94	37.04
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.00	0.00	0.00
	90	0.01	0.01	0.00
	95	0.07	0.04	0.03

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

OHIO (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.00	0.00
	80	0.02	0.01	0.01
	90	0.10	0.06	0.04
	95	0.52	0.18	0.10

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

OKLAHOMA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	0.63	0.58	0.53
	20	0.96	0.90	0.84
	30	1.30	1.24	1.18
	40	1.70	1.63	1.56
	50	2.19	2.11	2.02
	60	2.84	2.72	2.61
	70	3.75	3.57	3.41
	80	5.23	4.92	4.64
	90	8.32	7.66	7.10
	95	12.22	11.04	10.07

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

PENNSLYVANIA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	2.86	2.50	2.09
	20	3.88	3.50	3.07
	30	4.86	4.46	4.03
	40	5.93	5.48	5.04
	50	7.22	6.65	6.15
	60	8.87	8.08	7.44
	70	11.16	9.94	9.03
	80	14.69	12.67	11.27
	90	21.62	17.74	15.23
	95	29.83	23.42	19.48
pp'DDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.00	0.00
	80	0.02	0.01	0.01
	90	0.10	0.05	0.04
	95	0.52	0.17	0.10
pp'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.00	0.00
	70	0.01	0.01	0.00
	80	0.03	0.02	0.01
	90	0.13	0.08	0.05
	95	0.62	0.24	0.14

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

PENNSYLVANIA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.00	0.00
	70	0.02	0.01	0.00
	80	0.06	0.04	0.02
	90	0.53	0.24	0.14
	95	3.90	1.11	0.51
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.00	0.00
	60	0.01	0.00	0.00
	70	0.02	0.01	0.00
	80	0.04	0.02	0.00
	90	0.41	0.07	0.03
	95	7.56	0.20	0.08
pp'TDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.00	0.00
	70	0.01	0.01	0.00
	80	0.02	0.01	0.01
	90	0.09	0.05	0.03
	95	0.42	0.15	0.09

TABLE 16 FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

SOUTH CAROLINA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	0.76	0.65	0.54
	20	1.04	0.93	0.81
	30	1.32	1.20	1.07
	40	1.62	1.49	1.36
	50	1.98	1.82	1.68
	60	2.44	2.23	2.06
	70	3.08	2.78	2.54
	80	4.09	3.58	3.21
	90	6.11	5.09	4.41
	95	8.52	6.81	5.72
pp'DDE	10	0.01	0.00	0.00
	20	0.02	0.01	0.00
	30	0.03	0.02	0.01
	40	0.05	0.03	0.02
	50	0.08	0.06	0.03
	60	0.14	0.10	0.06
	70	0.28	0.17	0.11
	80	0.65	0.33	0.21
	90	2.37	0.85	0.47
	95	7.05	1.83	0.87
op'DDT	10	0.01	0.00	0.00
	20	0.01	0.01	0.00
	30	0.02	0.01	0.01
	40	0.03	0.02	0.01
	50	0.04	0.03	0.02
	60	0.06	0.05	0.04
	70	0.10	0.08	0.06
	80	0.18	0.13	0.10
	90	0.46	0.28	0.20
	95	1.03	0.52	0.33

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

SOUTH CAROLINA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
pp'DDT	10	0.04	0.02	0.00
	20	0.06	0.04	0.01
	30	0.09	0.06	0.03
	40	0.13	0.09	0.05
	50	0.18	0.13	0.08
	60	0.26	0.20	0.14
	70	0.41	0.31	0.24
	80	0.77	0.51	0.39
	90	2.02	1.04	0.71
	95	4.64	1.85	1.12
DDTR	10	0.01	0.00	0.00
	20	0.04	0.01	0.00
	30	0.08	0.03	0.01
	40	0.16	0.07	0.02
	50	0.31	0.15	0.06
	60	0.70	0.33	0.15
	70	1.98	0.75	0.37
	80	7.97	1.95	0.89
	90	62.86	7.35	2.58
	95	362.57	21.97	5.93
pp'TDE	10	0.01	0.00	0.00
	20	0.02	0.01	0.00
	30	0.03	0.02	0.01
	40	0.04	0.03	0.01
	50	0.06	0.04	0.02
	60	0.09	0.06	0.04
	70	0.15	0.09	0.06
	80	0.30	0.16	0.11
	90	0.92	0.33	0.19
	95	2.34	0.60	0.31

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

SOUTH DAKOTA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	1.44	1.37	1.30
	20	2.01	1.94	1.87
	30	2.57	2.49	2.42
	40	3.16	3.08	3.01
	50	3.86	3.76	3.68
	60	4.72	4.59	4.48
	70	5.87	5.69	5.52
	80	7.60	7.30	7.03
	90	10.88	10.31	9.82
	95	14.65	13.72	12.92
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.00	0.00	0.00
	90	0.01	0.01	0.00
	95	0.03	0.02	0.01

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

TENNESSEE

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	3.93	3.73	3.52
	20	4.82	4.63	4.43
	30	5.59	5.41	5.22
	40	6.35	6.18	6.00
	50	7.18	7.00	6.81
	60	8.14	7.92	7.71
	70	9.35	9.04	8.77
	80	11.01	10.57	10.18
	90	13.84	13.11	12.49
	95	16.75	15.66	14.77
pp'DDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.00	0.00
	70	0.01	0.01	0.00
	80	0.02	0.01	0.01
	90	0.09	0.04	0.03
	95	0.37	0.11	0.06
pp'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.00	0.00
	60	0.01	0.01	0.00
	70	0.03	0.01	0.01
	80	0.06	0.04	0.02
	90	0.34	0.13	0.08
	95	1.87	0.39	0.19

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

TENNESSEE (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.01	0.00	0.00
	50	0.01	0.01	0.00
	60	0.02	0.01	0.00
	70	0.04	0.03	0.02
	80	0.11	0.08	0.05
	90	0.62	0.30	0.19
	95	2.88	0.94	0.48

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

VIRGINIA AND WEST VIRGINIA

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	0.95	0.85	0.74
	20	1.38	1.26	1.15
	30	1.81	1.69	1.56
	40	2.30	2.16	2.02
	50	2.90	2.72	2.56
	60	3.66	3.43	3.22
	70	4.74	4.39	4.10
	80	6.45	5.87	5.40
	90	9.93	8.76	7.86
	95	14.21	12.20	10.71
pp'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.00	0.00
	60	0.01	0.01	0.00
	70	0.02	0.01	0.01
	80	0.05	0.04	0.02
	90	0.28	0.15	0.10
	95	1.26	0.46	0.25
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.01	0.00	0.00
	40	0.01	0.01	0.00
	50	0.02	0.01	0.01
	60	0.03	0.02	0.02
	70	0.06	0.05	0.04
	80	0.13	0.10	0.08
	90	0.49	0.32	0.24
	95	1.49	0.82	0.54

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

VIRGINIA AND WEST VIRGINIA (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Heptachlor Expoxide	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.00	0.00
	60	0.01	0.00	0.00
	70	0.01	0.01	0.00
	80	0.03	0.02	0.01
	90	0.08	0.04	0.03
	95	0.33	0.10	0.06

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

WASHINGTON

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	1.09	1.02	0.95
	20	1.40	1.33	1.26
	30	1.68	1.62	1.54
	40	1.98	1.90	1.83
	50	2.30	2.22	2.14
	60	2.69	2.59	2.50
	70	3.19	3.05	2.93
	80	3.90	3.70	3.53
	90	5.18	4.83	4.54
	95	6.56	6.02	5.59
pp'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.00	0.00	0.00
	90	0.03	0.02	0.02
	95	0.13	0.09	0.07
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.01	0.01	0.01
	90	0.05	0.04	0.04
	95	0.25	0.18	0.13

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

WESTERN STATES GROUP [1]

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	1.22	1.11	1.00
	20	1.76	1.63	1.49
	30	2.28	2.15	2.01
	40	2.87	2.72	2.57
	50	3.57	3.40	3.23
	60	4.47	4.24	4.03
	70	5.71	5.37	5.08
	80	7.66	7.09	6.63
	90	11.56	10.42	9.52
	95	16.27	14.32	12.82
pp'DDE	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.01	0.00	0.00
	60	0.02	0.01	0.00
	70	0.04	0.02	0.01
	80	0.11	0.07	0.05
	90	0.66	0.32	0.20
	95	3.33	1.13	0.57
pp'DDT	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.01	0.00	0.00
	70	0.02	0.01	0.00
	80	0.05	0.03	0.01
	90	0.44	0.12	0.06
	95	3.99	0.44	0.17

TABLE 16 FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

WESTERN STATES GROUP (CONT)

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.01	0.00	0.00
	50	0.01	0.01	0.00
	60	0.02	0.02	0.01
	70	0.06	0.04	0.03
	80	0.17	0.12	0.08
	90	0.96	0.53	0.34
	95	4.45	1.84	1.01

[1] Includes Arizona, Nevada, New Mexico and Utah

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

WISCONSIN

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	1.46	1.30	1.13
	20	1.92	1.76	1.59
	30	2.35	2.19	2.02
	40	2.80	2.64	2.47
	50	3.33	3.14	2.97
	60	3.97	3.74	3.54
	70	4.84	4.51	4.24
	80	6.14	5.61	5.20
	90	8.60	7.60	6.87
	95	11.38	9.76	8.62
DDTR	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.00	0.00	0.00
	80	0.00	0.00	0.00
	90	0.02	0.01	0.00
	95	0.09	0.04	0.03
Dieldrin	10	0.00	0.00	0.00
	20	0.00	0.00	0.00
	30	0.00	0.00	0.00
	40	0.00	0.00	0.00
	50	0.00	0.00	0.00
	60	0.00	0.00	0.00
	70	0.01	0.00	0.00
	80	0.01	0.01	0.00
	90	0.02	0.02	0.01
	95	0.07	0.04	0.03

TABLE 16. FREQUENCY DISTRIBUTION FOR PESTICIDE RESIDUES IN CROPLAND SOIL INCLUDING THE 95% CONFIDENCE INTERVAL (CONT)

WYOMING

Pesticide	Percentile	Upper Limit (ppm)	Residue Level (ppm)	Lower Limit (ppm)
Arsenic	10	0.27	0.23	0.19
	20	0.41	0.36	0.31
	30	0.55	0.50	0.44
	40	0.72	0.66	0.60
	50	0.92	0.85	0.78
	60	1.19	1.10	1.02
	70	1.58	1.45	1.34
	80	2.24	2.00	1.82
	90	3.67	3.14	2.76
	95	5.55	4.54	3.86

TABLE 17. COMPARISON OF MEAN PESTICIDE RESIDUES IN SOIL AMONG VARIOUS CROPPING REGIONS
(Parts Per Million)

Pesticide Name	Corn	Cotton	Cotton & Gen. Farming	Gen. Farming	Hay & Gen. Farming	Irrigated Land	Small Grains	Veg.	Veg. & Fruit
Aldrin	0.05	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.01
Arsenic	7.44	6.72	4.88	5.35	6.42	4.77	5.70	8.75	3.27
Atrazine	0.02	--	--	--	--	--	<0.01	--	--
Carbophenothion	--	--	ND	ND	--	ND	--	--	--
Chlordane	0.09	<0.01	0.01	0.01	0.03	0.03	<0.01	<0.01	0.14
2,4-D	--	--	--	<0.01	--	--	<0.01	ND	--
DAC	ND	ND	ND	ND	ND	<0.01	ND	ND	ND
op'DDE	<0.01	0.01	<0.01	<0.01	<0.01	0.01	ND	<0.01	0.01
pp'DDE	0.01	0.16	0.13	0.07	0.05	0.18	<0.01	0.18	0.37
op'DDT	0.01	0.09	0.04	0.05	0.03	0.05	<0.01	0.07	0.06
pp'DDT	0.06	0.54	0.22	0.25	0.20	0.19	<0.01	0.50	0.64
DDTR	0.14	0.87	0.44	0.43	0.30	0.48	<0.01	0.81	1.92
DEF	ND	ND	ND	<0.01	ND	ND	ND	ND	ND
Diazinon	--	ND	ND	--	--	0.01	--	--	--
Dicofol	<0.01	ND	ND	ND	<0.01	0.01	ND	ND	ND
Dieldrin	0.05	0.01	<0.01	0.03	0.02	0.02	<0.01	0.05	0.04
Endosulfan (I)	<0.01	ND	ND	ND	<0.01	<0.01	ND	ND	ND
Endosulfan II	<0.01	ND	ND	ND	<0.01	0.01	ND	<0.01	ND
Endosulfan Sulfate	<0.01	ND	ND	ND	<0.01	0.01	ND	<0.01	ND
Endrin	<0.01	0.01	<0.01	<0.01	ND	0.01	<0.01	0.01	0.01
Endrin Aldehyde	ND	ND	ND	ND	ND	ND	ND	ND	<0.01
Endrin Ketone	ND	<0.01	<0.01	ND	ND	<0.01	ND	<0.01	<0.01
Ethion	--	ND	ND	--	--	<0.01	--	--	--
Ethyl Parathion	--	ND	ND	<0.01	ND	<0.01	--	--	--
Heptachlor	0.01	ND	<0.01	<0.01	<0.01	<0.01	ND	ND	<0.01
Heptachlor Epoxide	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Isodrin	<0.01	ND	ND	<0.01	ND	ND	ND	ND	ND
Lindane	<0.01	ND	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND
Malathion	--	ND	ND	--	--	ND	--	--	--
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	<0.01	ND
PCNB	ND	ND	ND	<0.01	ND	ND	ND	ND	ND
op'TDE	<0.01	<0.01	<0.01	0.01	<0.01	0.01	ND	0.01	0.15
pp'TDE	0.05	0.07	0.04	0.04	0.01	0.04	<0.01	0.05	0.70
Toxaphene	<0.01	0.42	0.20	0.16	ND	0.14	ND	0.01	0.08
Trifluralin	<0.01	0.01	<0.01	<0.01	ND	0.01	<0.01	<0.01	<0.01

ND = NOT DETECTED -- = NO ANALYSES

TABLE 18. COMPARISON OF PERCENT OF SITES WITH DETECTABLE PESTICIDE RESIDUES IN SOIL AMONG VARIOUS CROPPING REGIONS

Pesticide Name	Corn	Cotton	Cotton & Gen. Farming	Gen. Farming	Hay & Gen. Farming	Irrigated Land	Small Grains	Veg.	Veg. & Fruit
Aldrin	23.5	6.4	0.9	6.6	2.1	6.5	0.6	1.1	3.0
Arsenic	100.0	100.0	98.4	99.4	99.3	99.1	99.4	98.9	93.9
Atrazine	14.5	--	--	--	--	--	8.3	--	--
Carbophenothion	--	--	ND	ND	--	ND	--	--	--
Chlordane	14.5	1.8	2.6	7.2	5.5	11.1	0.9	4.3	21.2
2,4-D	--	--	--	14.3	--	--	1.7	ND	--
DAC	ND	ND	ND	ND	ND	0.9	ND	ND	ND
op'DDE	0.5	15.6	5.2	10.8	2.8	19.4	ND	5.3	15.1
pp'DDE	9.5	69.7	44.8	46.4	21.4	58.3	5.8	38.3	60.6
op'DDT	3.0	51.4	25.0	27.1	10.3	33.3	3.0	23.4	36.4
pp'DDT	7.7	66.1	43.1	42.2	16.5	53.7	5.8	31.9	57.6
DDTR	10.9	72.5	47.4	49.4	22.8	60.2	6.1	39.4	63.6
DEF	ND	ND	ND	0.6	ND	ND	ND	ND	ND
Diazinon	--	ND	ND	--	--	12.5	--	--	--
Dicofol	0.6	ND	ND	ND	0.7	5.6	ND	ND	ND
Dieldrin	41.8	24.8	14.7	25.3	15.2	39.8	7.0	23.4	21.2
Endosulfan (I)	0.3	ND	ND	ND	0.7	1.8	ND	ND	ND
Endosulfan II	0.2	ND	ND	ND	0.7	5.6	ND	1.1	ND
Endosulfan Sulfate	0.3	ND	ND	ND	1.4	5.6	ND	1.1	ND
Endrin	0.3	7.3	2.6	3.6	ND	11.1	0.9	3.2	6.1
Endrin Aldehyde	ND	ND	ND	ND	ND	ND	ND	ND	3.0
Endrin Ketone	ND	2.8	0.9	ND	ND	2.8	ND	1.1	3.0
Ethion	--	ND	ND	--	--	6.3	--	--	--
Ethyl Parathion	--	ND	ND	10.0	ND	12.5	--	--	--
Heptachlor	8.6	ND	1.7	1.8	1.4	0.9	ND	ND	3.0
Heptachlor Epoxide	13.3	0.9	3.4	7.8	4.1	13.0	0.9	4.3	12.1
Isodrin	1.2	ND	ND	1.8	ND	ND	ND	ND	ND
Lindane	0.3	ND	2.6	1.2	0.7	1.8	0.6	3.2	ND
Malathion	--	ND	ND	--	--	ND	--	--	--
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	1.1	ND
PCNB	ND	ND	ND	0.6	ND	ND	ND	ND	ND
op'TDE	0.3	0.9	2.6	10.8	2.1	13.0	ND	5.3	6.1
pp'TDE	3.3	47.7	25.9	35.5	11.7	38.0	1.8	27.7	45.4
Toxaphene	0.2	22.9	12.1	10.2	ND	12.0	ND	1.1	6.1
Trifluralin	2.0	12.8	7.8	6.0	ND	9.3	0.3	2.1	3.0

ND = NOT DETECTED -- = NO ANALYSES

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