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4-9-97

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR - 9 1997

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Dietary Exposure Analysis for Dimethoate in Support of the Reregistration Eligibility Decision.

FROM: Brian Steinwand
Dietary Risk Evaluation Section
Science Analysis Branch/HED (7509C)

Through: Elizabeth Doyle, Section Head
Dietary Risk Evaluation Section
SAB/Health Effects Division

TO: Mike Metzger, Chief
Risk Characterization Analysis Branch
Health Effects Division (7509C)

Action Requested

Provide a dietary exposure analysis to estimate the chronic and acute dietary exposure and risk from dimethoate for uses which are being supported through reregistration.

Discussion

Toxicological Endpoint:

The Reference Dose (RfD) used in the analysis is 0.0005 mg/kg bwt/day, based on a NOEL of 0.05 mg/kg bwt/day (LEL of 0.25 mg/kg/day) from a two year rat feeding study with an uncertainty factor of 100 that demonstrated brain cholinesterase inhibition as an endpoint (See RfD Peer Review Report, 1/17/97). The RfD value has been approved by the HED RfD committee, 1/17/97.

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In the August 29, 1991 meeting of the HED Carcinogenicity Peer Review Committee, dimethoate was classified as a group C carcinogen (possible human carcinogenicity, See TES Document). However, no Q_1* has been calculated for dimethoate.

The endpoint for acute dietary risk assessment is the acute neurotoxicity NOEL of 2 mg/kg bwt/day based on the absence of pupil response at 20 mg/kg/day (See TESC, 1/28/97).

Residue Information

Adequate data are available to reassess the established tolerances for dimethoate residues of concern in/on: alfalfa; apples; asparagus; blueberries; broccoli; Brussels sprouts; cauliflower; celery; cherries; collards; corn, fodder; corn, forage; corn, grain; cottonseed; endive (escarole); grapefruit; grapes; kale; lemons; lentils; lettuce; melons; mustard greens; oranges; pears; peas; pecans; peppers; potatoes; safflower seed; sorghum, forage; sorghum, grain; soybeans; soybean, forage; soybean, hay; spinach; Swiss chard; tangerines; tomatoes; turnips, roots; turnips, tops; wheat grain; wheat green fodder; wheat straw; eggs; and the fat, meat, and mbyp of cattle, goats, hogs, horses, poultry, and sheep.

Residue data and/or label revisions are required before the following established tolerances for dimethoate residues of concern can be reassessed: dry beans; lima beans; snap beans; cabbage; and milk.

Anticipated residue (AR) data and percent crop treated information was used for some commodities.

Results

Chronic Exposure:

A summary of the residue information included in this analysis is attached as Table 1. A DRES chronic exposure analysis was performed using tolerance level residues and 100 percent crop treated information to estimate the Theoretical Maximum Residue Contribution (TMRC) for the general population and 22 subgroups. Percent crop treated data and anticipated residue data were used to calculate the Anticipated Residue Concentration (ARC) for those same population subgroups for certain commodities. Summaries of the TMRCs, ARCs and their

representations as percentages of the Reference Dose (RfD) are included as Table 2. A summary of the residue information and the associated ARCs using the recommended tolerance increases and or decreases and RAC revocations are attached as Table 3, and 4.

Existing tolerances result in a TMRC which represents 22.8% of the RfD for the U.S. general population. The highest subgroup, Non-Nursing Infants (<1 year old) occupies 57% of the RfD and Children (1-6 years old) occupies 33% of the RfD.

Incorporating the recommendations of CBRS (decreasing the turnip root tolerance from 2 to 0.02 ppm, and the deletion of lentils) results in an ARC identical to those mentioned above (See Table 4).

The chronic analysis for dimethoate is not a worst case estimate of dietary exposure with all residues at tolerance level and 100 percent of the commodities assumed to be treated with dimethoate. Some refinements such as percent crop treated data and anticipated residues have been incorporated. Based on the risk estimates calculated in this analysis, it appears that chronic dietary risk from the uses recommended through reregistration, is not of concern.

Acute Exposure:

The DRES detailed acute analysis estimates the distribution of single-day exposures for the overall U.S. population and certain subgroups. The analysis evaluates individual food consumption as reported by respondents in the USDA 1977-78 Nationwide Food Consumption Survey (NFCS) and accumulates exposure to the chemical for each commodity. Each analysis assumes uniform distribution of dimethoate in the commodity supply.

The Margin of Exposure (MOE) is a measure of how close the high end exposure comes to the NOEL (the highest dose at which no effects were observed in the laboratory test), and is calculated as the ratio of the NOEL to the exposure (NOEL/exposure = MOE). Generally, acute dietary margins of exposure greater than 100 tend to cause no dietary concern. The high end MOE values (all below 40) of Tables 5 and 6 are below the acceptable level and demonstrates considerable acute dietary concern.

Attachments

cc: DRES; Caswell 358

TABLE 1

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 358 DATE: 03/19/97 PAGE: 1

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS	300390A	P 1.000000	1.000000		100.00	1.000000
01009AA	BLUEBERRIES	21 COOKED-NFS	300390A	P 1.000000	1.000000		100.00	1.000000
01009AA	BLUEBERRIES	22 COOKED-FRESH-BAKED	300390A	P 1.000000	1.000000		100.00	1.000000
01009AA	BLUEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	300390A	P 1.000000	1.000000		100.00	1.000000
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS	3F1301	P 1.000000	0.017000	FDA MON	100.00	0.017000
01014AA	GRAPES-FRESH	21 COOKED-NFS	3F1301	P 1.000000	0.017000	FDA MON	100.00	0.017000
01014AA	GRAPES-FRESH	31 COOKED-FRESH OR CANNED	3F1301	P 1.000000	0.017000	FDA MON	100.00	0.017000
01014DA	GRAPES-RAISINS	10 RAW-FRESH OR NFS	3F1301	P 1.000000	0.017000C	FDA MON	100.00	0.017000
01014DA	GRAPES-RAISINS	21 COOKED-NFS	3F1301	P 1.000000	0.017000C	FDA MON	100.00	0.017000
01014DA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED	3F1301	P 1.000000	0.017000C	FDA MON	100.00	0.017000
01014JA	GRAPES-JUICE	10 RAW-FRESH OR NFS	3F1301	P 1.000000	0.017000	FDA MON	100.00	0.017000
01014JA	GRAPES-JUICE	15 RAW-FRESH OR CANNED	3F1301	P 1.000000	0.017000	FDA MON	100.00	0.017000
01014JA	GRAPES-JUICE	21 COOKED-NFS	3F1301	P 1.000000	0.017000	FDA MON	100.00	0.017000
02002AA	GRAPEFRUIT-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	1F1040	P 2.000000	0.002000	FDA MON	100.00	0.002000
02002AB	GRAPEFRUIT-PULP	10 RAW-FRESH OR NFS	1F1040	P 2.000000	0.002000	FDA MON	100.00	0.002000
02002AB	GRAPEFRUIT-PULP	21 COOKED-NFS	1F1040	P 2.000000	0.002000	FDA MON	100.00	0.002000
02002JA	GRAPEFRUIT-JUICE	15 RAW-FRESH OR CANNED	1F1040	P 2.000000	0.002000C	FDA MON	100.00	0.002000
02002JA	GRAPEFRUIT-JUICE	31 COOKED-FRESH OR CANNED	1F1040	P 2.000000	0.002000C	FDA MON	100.00	0.002000
02004AA	LEMONS-UNSPEC	10 RAW-FRESH OR NFS	8F0661	P 2.000000	0.009000	FDA MON	100.00	0.009000
02004AA	LEMONS-UNSPEC	22 COOKED-FRESH-BAKED	8F0661	P 2.000000	0.009000	FDA MON	100.00	0.009000
02004AB	LEMONS-PULP	10 RAW-FRESH OR NFS	8F0661	P 2.000000	0.009000	FDA MON	100.00	0.009000
02004AB	LEMONS-PULP	31 COOKED-FRESH OR CANNED	8F0661	P 2.000000	0.009000	FDA MON	100.00	0.009000
02004HA	LEMONS-PEEL	10 RAW-FRESH OR NFS	8F0661	P 2.000000	0.036000C	FDA MON	100.00	0.036000
02004HA	LEMONS-PEEL	21 COOKED-NFS	8F0661	P 2.000000	0.036000C	FDA MON	100.00	0.036000
02004JA	LEMONS-JUICE	10 RAW-FRESH OR NFS	8F0661	P 2.000000	0.008000C	FDA MON	100.00	0.008000
02004JA	LEMONS-JUICE	15 RAW-FRESH OR CANNED	8F0661	P 2.000000	0.008000C	FDA MON	100.00	0.008000
02004JA	LEMONS-JUICE	21 COOKED-NFS	8F0661	P 2.000000	0.008000C	FDA MON	100.00	0.008000
02004JA	LEMONS-JUICE	31 COOKED-FRESH OR CANNED	8F0661	P 2.000000	0.008000C	FDA MON	100.00	0.008000
02006AA	ORANGES-UNSPEC	00 NOT SPECIFIED (NO CONSUMPTION)	8F0661	P 2.000000	0.005000	FDA MON	100.00	0.005000
02006AB	ORANGES-PULP	10 RAW-FRESH OR NFS	8F0661	P 2.000000	0.005000	FDA MON	100.00	0.005000
02006AB	ORANGES-PULP	21 COOKED-NFS	8F0661	P 2.000000	0.005000	FDA MON	100.00	0.005000
02006HA	ORANGES-PEEL	21 COOKED-NFS	8F0661	P 2.000000	0.020000C	FDA MON	100.00	0.020000
02006HA	ORANGES-PEEL	22 COOKED-FRESH-BAKED	8F0661	P 2.000000	0.020000C	FDA MON	100.00	0.020000
02006HA	ORANGES-PEEL	31 COOKED-FRESH OR CANNED	8F0661	P 2.000000	0.020000C	FDA MON	100.00	0.020000
02006JA	ORANGES-JUICE	15 RAW-FRESH OR CANNED	8F0661	P 2.000000	0.004000C	FDA MON	100.00	0.004000
02006JA	ORANGES-JUICE	31 COOKED-FRESH OR CANNED	8F0661	P 2.000000	0.004000C	FDA MON	100.00	0.004000
02008AA	TANGERINES	10 RAW-FRESH OR NFS	1F1040	P 2.000000	0.006000	FDA MON	100.00	0.006000
02008JA	TANGERINE-JUICE	15 RAW-FRESH OR CANNED	1F1040	P 2.000000	0.005000C	FDA MON	100.00	0.005000
03008AA	PECANS	10 RAW-FRESH OR NFS	9F0812	P 0.100000	0.100000		7.00	0.007000
03008AA	PECANS	21 COOKED-NFS	9F0812	P 0.100000	0.100000		7.00	0.007000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
03008AA	PECANS	22 COOKED-FRESH-BAKED	9F0812	P 0.100000	0.100000		7.00	0.007000
03008AA	PECANS	23 COOKED-FRESH-BOILED	9F0812	P 0.100000	0.100000		7.00	0.007000
03008AA	PECANS	62 COOKED-FRESH OR FROZEN-BAKED	9F0812	P 0.100000	0.100000		7.00	0.007000
04001AA	APPLES-FRESH	10 RAW-FRESH OR NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001AA	APPLES-FRESH	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001AA	APPLES-FRESH	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001AA	APPLES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001DA	APPLES-DRIED	10 RAW-FRESH OR NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001DA	APPLES-DRIED	22 COOKED-FRESH-BAKED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001DA	APPLES-DRIED	62 COOKED-FRESH OR FROZEN-BAKED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001JA	APPLES-JUICE	15 RAW-FRESH OR CANNED	385	P 2.000000	0.010000C	FDA MON	100.00	0.010000
04001JA	APPLES-JUICE	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.010000C	FDA MON	100.00	0.010000
04003AA	PEARS-FRESH	10 RAW-FRESH OR NFS	385	P 2.000000	0.008000	FDA MON	100.00	0.008000
04003AA	PEARS-FRESH	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.008000	FDA MON	100.00	0.008000
04003AA	PEARS-FRESH	51 COOKED-CANNED	385	P 2.000000	0.008000	FDA MON	100.00	0.008000
04003AA	PEARS-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	385	P 2.000000	0.008000	FDA MON	100.00	0.008000
04003DA	PEARS-DRIED	10 RAW-FRESH OR NFS	385	P 2.000000	0.008000	FDA MON	100.00	0.008000
04003DA	PEARS-DRIED	21 COOKED-NFS	385	P 2.000000	0.008000	FDA MON	100.00	0.008000
05002AA	CHERRIES-FRESH	10 RAW-FRESH OR NFS	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
05002AA	CHERRIES-FRESH	21 COOKED-NFS	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
05002AA	CHERRIES-FRESH	31 COOKED-FRESH OR CANNED	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
05002AA	CHERRIES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
05002DA	CHERRIES-DRIED	00 NOT SPECIFIED (NO CONSUMPTION)	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
05002JA	CHERRIES-JUICE	15 RAW-FRESH OR CANNED	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
05002JA	CHERRIES-JUICE	21 COOKED-NFS	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
10002AA	CANTALOUPES-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10002AB	CANTALOUPES-PULP	10 RAW-FRESH OR NFS	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10002AB	CANTALOUPES-PULP	21 COOKED-NFS	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10003AA	CASABAS	10 RAW-FRESH OR NFS	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10004AA	CRENSHAWS	00 NOT SPECIFIED (NO CONSUMPTION)	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10005AA	HONEYDEW MELONS	10 RAW-FRESH OR NFS	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10007AA	PERSION MELONS	00 NOT SPECIFIED (NO CONSUMPTION)	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10008AA	WATERMELON	10 RAW-FRESH OR NFS	7F0578	P 1.000000	0.006000	FDA MON	100.00	0.006000
10008AA	WATERMELON	21 COOKED-NFS	7F0578	P 1.000000	0.006000	FDA MON	100.00	0.006000
11003AA	PEPPERS,SWEET	10 RAW-FRESH OR NFS	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11003AA	PEPPERS,SWEET	21 COOKED-NFS	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11003AB	CHILI PEPPERS	00 NOT SPECIFIED (NO CONSUMPTION)	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11003AD	PEPPERS-OTHER	21 COOKED-NFS	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11003AD	PEPPERS-OTHER	51 COOKED-CANNED	385	P 2.000000	0.023000	FDA MON	100.00	0.023000

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FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
11004AA	PIMIENTOS	10 RAW-FRESH OR NFS	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11004AA	PIMIENTOS	21 COOKED-NFS	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11004AA	PIMIENTOS	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005AA	TOMATOES-WHOLE	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005JA	TOMATOES-JUICE	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005RA	TOMATOES-PUREE	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005RA	TOMATOES-PUREE	32 COOKED-FRESH OR CANNED-BAKED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005RA	TOMATOES-PUREE	51 COOKED-CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005TA	TOMATOES-PASTE	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005TA	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005UA	TOMATOES-CATSUP	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
13002AA	CELERY	10 RAW-FRESH OR NFS	5F1531	P 2.000000	0.011000	FDA MON	100.00	0.011000
13002AA	CELERY	21 COOKED-NFS	5F1531	P 2.000000	0.011000	FDA MON	100.00	0.011000
13005AA	BROCCOLI	21 COOKED-NFS	6E3323	P 2.000000	0.013000	FDA MON	100.00	0.013000
13005AA	BROCCOLI	31 COOKED-FRESH OR CANNED	6E3323	P 2.000000	0.013000	FDA MON	100.00	0.013000
13005AA	BROCCOLI	63 COOKED-FRESH OR FROZEN-BOILED	6E3323	P 2.000000	0.013000	FDA MON	100.00	0.013000
13006AA	BRUSSEL SPROUTS	21 COOKED-NFS	0E3906	P 5.000000	2.080000	FIELD TRIALS	100.00	2.080000
13006AA	BRUSSEL SPROUTS	23 COOKED-FRESH-BOILED	0E3906	P 5.000000	2.080000	FIELD TRIALS	100.00	2.080000
13007AA	CABBAGE	10 RAW-FRESH OR NFS	6E3323	P 2.000000	0.012000	FDA MON	100.00	0.012000
13007AA	CABBAGE	11 RAW-FRESH-PICKLED,CORNED,OR CURED	6E3323	P 2.000000	0.012000	FDA MON	100.00	0.012000
13007AA	CABBAGE	21 COOKED-NFS	6E3323	P 2.000000	0.012000	FDA MON	100.00	0.012000
13008AA	CAULIFLOWER	10 RAW-FRESH OR NFS	6E3323	P 2.000000	0.011000	FDA MON	100.00	0.011000
13008AA	CAULIFLOWER	21 COOKED-NFS	6E3323	P 2.000000	0.011000	FDA MON	100.00	0.011000
13009AA	COLLARDS	51 COOKED-CANNED	6E3323	P 2.000000	0.018000	FDA MON	100.00	0.018000
13009AA	COLLARDS	63 COOKED-FRESH OR FROZEN-BOILED	6E3323	P 2.000000	0.018000	FDA MON	100.00	0.018000
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	6E3323	P 2.000000	0.012000	FDA MON	100.00	0.012000
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	6E3323	P 2.000000	0.012000	FDA MON	100.00	0.012000
13011AA	KALE	63 COOKED-FRESH OR FROZEN-BOILED	6E3323	P 2.000000	0.005000	FDA MON	100.00	0.005000
13013AA	LETTUCE-LEAFY	10 RAW-FRESH OR NFS	385	P 2.000000	0.011000	FDA MON	100.00	0.011000
13015AA	ENDIVE	10 RAW-FRESH OR NFS	385	P 2.000000	0.038000	FDA MON	100.00	0.038000
13015AA	ENDIVE	21 COOKED-NFS	385	P 2.000000	0.038000	FDA MON	100.00	0.038000
13016AA	FENNEL	00 NOT SPECIFIED (NO CONSUMPTION)	5F1531	P 2.000000	0.011000	FDA MON	100.00	0.011000
13020AA	LETTUCE-UNSPEC	10 RAW-FRESH OR NFS	385	P 2.000000	0.034000	FDA MON	100.00	0.034000
13021AA	MUSTARD GREENS	21 COOKED-NFS	6E3323	P 2.000000	0.067000	FDA MON	100.00	0.067000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
13021AA	MUSTARD GREENS	63 COOKED-FRESH OR FROZEN-BOILED	6E3323	P 2.000000	0.067000	FDA MON	100.00	0.067000
13024AA	SPINACH	10 RAW-FRESH OR NFS	385	P 2.000000	0.024000	FDA MON	100.00	0.024000
13024AA	SPINACH	21 COOKED-NFS	385	P 2.000000	0.024000	FDA MON	100.00	0.024000
13024AA	SPINACH	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.024000	FDA MON	100.00	0.024000
13025AA	SWISS CHARD	10 RAW-FRESH OR NFS	385	P 2.000000	0.038000	FDA MON	100.00	0.038000
13025AA	SWISS CHARD	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.038000	FDA MON	100.00	0.038000
13025AA	SWISS CHARD	63 COOKED-FRESH OR FROZEN-BOILED	385	P 2.000000	0.038000	FDA MON	100.00	0.038000
13026AA	TURNIPS-TOPS	10 RAW-FRESH OR NFS	385	P 2.000000	0.024000	FDA MON	100.00	0.024000
13026AA	TURNIPS-TOPS	21 COOKED-NFS	385	P 2.000000	0.024000	FDA MON	100.00	0.024000
13026AA	TURNIPS-TOPS	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.024000	FDA MON	100.00	0.024000
13045AA	LETTUCE-HEAD	10 RAW-FRESH OR NFS	385	P 2.000000	0.034000	FDA MON	100.00	0.034000
13045AA	LETTUCE-HEAD	21 COOKED-NFS	385	P 2.000000	0.034000	FDA MON	100.00	0.034000
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AB	POTATO(WH)-UNSPE	22 COOKED-FRESH-BAKED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOILED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013HA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14019AA	TURNIPS-ROOTS	10 RAW-FRESH OR NFS	385	P 2.000000	0.005000	FDA MON	100.00	0.005000
14019AA	TURNIPS-ROOTS	21 COOKED-NFS	385	P 2.000000	0.005000	FDA MON	100.00	0.005000
15001AA	BEANS-DRY-GRT NO	00 NOT SPECIFIED (NO CONSUMPTION)	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AB	BEANS-DRY-KIDNEY	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AB	BEANS-DRY-KIDNEY	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AC	BEANS-DRY-LIMA	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AD	BEANS-DRY-NAVY	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AD	BEANS-DRY-NAVY	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AE	BEANS-DRY-OTHER	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AE	BEANS-DRY-OTHER	25 COOKED-FRESH-FRIED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AE	BEANS-DRY-OTHER	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AF	BEANS-DRY-PINTO	21 COOKED-NFS	385	P 2.000000	0.028000	FDA MON	100.00	0.028000
15002AA	BEANS-SUCC-LIMA	10 RAW-FRESH OR NFS	385	P 2.000000	0.028000	FDA MON	100.00	0.028000
15002AA	BEANS-SUCC-LIMA	21 COOKED-NFS	385	P 2.000000	0.028000	FDA MON	100.00	0.028000
15003AA	BEANS-SUCC-GREEN	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15007AA	PEAS DRY-GARDEN	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15007AA	PEAS DRY-GARDEN	31 COOKED-FRESH OR CANNED						

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
15009AA	PEAS SUCC-GARDEN	21 COOKED-NFS	385	P 2.000000	0.067000	FDA MON	100.00	0.067000
15009AA	PEAS SUCC-GARDEN	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.067000	FDA MON	100.00	0.067000
15011AA	LENTILES-WHOLE	31 COOKED-FRESH OR CANNED	3E2890	P 2.000000	0.009000	FDA MON	100.00	0.009000
15011AB	LENTILES-SPLIT	21 COOKED-NFS	3E2890	P 2.000000	0.009000	FDA MON	100.00	0.009000
15013AA	MUNG BEANS	10 RAW-FRESH OR NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15013AA	MUNG BEANS	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15029AA	SOYBEAN-SPROUTED	00 NOT SPECIFIED (NO CONSUMPTION)	5F1642	P 0.050000	0.050000		10.00	0.005000
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15031AA	BLKEYE PEAS-DRY	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15032AA	BEANS-DRY	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
16002AA	ASPARAGUS	21 COOKED-NFS	4E4374	P 0.150000	0.150000		100.00	0.150000
16002AA	ASPARAGUS	23 COOKED-FRESH-BOILED	4E4374	P 0.150000	0.150000		100.00	0.150000
24002EA	CORN,GRAIN-ENDO	10 RAW-FRESH OR NFS	4F1462	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN,GRAIN-ENDO	21 COOKED-NFS	4F1462	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN,GRAIN-ENDO	22 COOKED-FRESH-BAKED	4F1462	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN,GRAIN-ENDO	23 COOKED-FRESH-BOILED	4F1462	P 0.100000	0.100000		1.00	0.001000
24002HA	CORN,GRAIN-BRAN	00 NOT SPECIFIED (NO CONSUMPTION)	4F1462	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	10 RAW-FRESH OR NFS	4F1462	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	21 COOKED-NFS	4F1462	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	22 COOKED-FRESH-BAKED	4F1462	P 0.100000	0.100000		1.00	0.001000
24006AA	SORGHUM	00 NOT SPECIFIED (NO CONSUMPTION)	0F0999	P 0.100000	0.100000		1.00	0.001000
24007AA	WHEAT-ROUGH	10 RAW-FRESH OR NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007AA	WHEAT-ROUGH	21 COOKED-NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007AA	WHEAT-ROUGH	22 COOKED-FRESH-BAKED	0F0867	P 0.040000	0.040000		2.00	0.000800
24007AA	WHEAT-ROUGH	23 COOKED-FRESH-BOILED	0F0867	P 0.040000	0.040000		2.00	0.000800
24007GA	WHEAT-GERM	10 RAW-FRESH OR NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007GA	WHEAT-GERM	22 COOKED-FRESH-BAKED	0F0867	P 0.040000	0.040000		2.00	0.000800
24007HA	WHEAT-BRAN	10 RAW-FRESH OR NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007HA	WHEAT-BRAN	21 COOKED-NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007HA	WHEAT-BRAN	22 COOKED-FRESH-BAKED	0F0867	P 0.040000	0.040000		2.00	0.000800
24007WA	WHEAT-FLOUR	10 RAW-FRESH OR NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007WA	WHEAT-FLOUR	21 COOKED-NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007WA	WHEAT-FLOUR	22 COOKED-FRESH-BAKED	0F0867	P 0.040000	0.040000		2.00	0.000800
24007WA	WHEAT-FLOUR	25 COOKED-FRESH-FRIED	0F0867	P 0.040000	0.040000		2.00	0.000800
27002QA	CORN,GRAIN-OIL	18 PROCESSED OIL	4F1462	P 0.100000	0.100000		1.00	0.001000
27003QA	COTTONSEED-OIL	18 PROCESSED OIL	0F0928	P 0.100000	0.100000		25.00	0.025000
27003WA	COTTONSEED-MEAL	18 PROCESSED OIL	0F0928	P 0.100000	0.100000		25.00	0.025000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
27008AA	SAFFLOWER-SEED	00 NOT SPECIFIED (NO CONSUMPTION)	0F0928	P 0.100000	0.100000		100.00	0.100000
27008OA	SAFFLOWER-OIL	18 PROCESSED OIL	0F0928	P 0.100000	0.100000		100.00	0.100000
27010OA	SOYBEANS-OIL	18 PROCESSED OIL	5F1642	P 0.050000	0.050000		10.00	0.005000
28023AA	SOYBEANS-UNSPEC	21 COOKED-NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023AB	SOYBEANS-DRY	10 RAW-FRESH OR NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023AB	SOYBEANS-DRY	21 COOKED-NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023AB	SOYBEANS-DRY	23 COOKED-FRESH-BOILED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023AB	SOYBEANS-DRY	25 COOKED-FRESH-FRIED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023AB	SOYBEANS-DRY	31 COOKED-FRESH OR CANNED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WA	SOY-FL, FULL FAT	21 COOKED-NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WA	SOY-FL, FULL FAT	22 COOKED-FRESH-BAKED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WA	SOY-FL, FULL FAT	31 COOKED-FRESH OR CANNED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WB	SOY-FL, LOW FAT	21 COOKED-NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WC	SOY-FL,DEFAT	10 RAW-FRESH OR NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WC	SOY-FL,DEFAT	21 COOKED-NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WC	SOY-FL,DEFAT	22 COOKED-FRESH-BAKED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WC	SOY-FL,DEFAT	51 COOKED-CANNED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WC	SOY-FL,DEFAT	53 COOKED-CANNED-BOILED	5F1642	P 0.050000	0.050000		10.00	0.005000
43058AA	WINE AND SHERRY	10 RAW-FRESH OR NFS	3F1301	P 1.000000	0.290000	FDA MON	100.00	0.290000
43058AA	WINE AND SHERRY	21 COOKED-NFS	3F1301	P 1.000000	0.290000	FDA MON	100.00	0.290000
50000DB	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000DB	MILK-NON-FAT SOL	21 COOKED-NFS	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000DB	MILK-NON-FAT SOL	51 COOKED-CANNED	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000SA	MILK SUG (LACT)	21 COOKED-NFS	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000SA	MILK SUG (LACT)	51 COOKED-CANNED	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
53001BA	BEEF-MEAT BYP	21 COOKED-NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001BA	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001BB	BEEF-OTH ORGAN	51 COOKED-CANNED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001DA	BEEF-DRIED	21 COOKED-NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001FA	BEEF-FAT	21 COOKED-NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001KA	BEEF-KIDNEY	21 COOKED-NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO; C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001MA	BEEF-LEAN	21 COOKED-NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001MA	BEEF-LEAN	24 COOKED-FRESH-BROILED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED (NO CONSUMPTION)	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002BB	GOAT-OTH ORGAN	00 NOT SPECIFIED (NO CONSUMPTION)	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002FA	GOAT-FAT	25 COOKED-FRESH-FRIED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002KA	GOAT-KIDNEY	00 NOT SPECIFIED (NO CONSUMPTION)	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002LA	GOAT-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002MA	GOAT-LEAN	23 COOKED-FRESH-BOILED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002MA	GOAT-LEAN	25 COOKED-FRESH-FRIED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53003AA	HORSE	00 NOT SPECIFIED (NO CONSUMPTION)	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005BA	SHEEP-MEAT BYP	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005BB	SHEEP-OTH ORGAN	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005FA	SHEEP-FAT	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005KA	SHEEP-KIDNEY	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005LA	SHEEP-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005MA	SHEEP-LEAN	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005MA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006BA	PORK-MEAT BYP	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006BB	PORK-OTH ORGAN	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006BB	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006FA	PORK-FAT	10 RAW-FRESH OR NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006FA	PORK-FAT	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006FA	PORK-FAT	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006KA	PORK-KIDNEY	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006LA	PORK-LIVER	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006LA	PORK-LIVER	25 COOKED-FRESH-FRIED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006MA	PORK-LEAN	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006MA	PORK-LEAN	25 COOKED-FRESH-FRIED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
55008BA	TURKEY-BYP	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008BA	TURKEY-BYP	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008LA	TURKEY ORGAN	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
55008LA	TURKEY ORGAN	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008MA	TURKEY W/O SKIN	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008MA	TURKEY W/O SKIN	31 COOKED-FRESH OR CANNED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008MA	TURKEY W/O SKIN	62 COOKED-FRESH OR FROZEN-BAKED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008MB	TURKEY+SKIN	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008MB	TURKEY+SKIN	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008MC	TURKEY-UNSPEC	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55013BA	POULTRY,OTH-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55013LA	POULTRY,ORGAN	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55013MA	POULTRY,OTHER	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AA	EGGS-WHOLE	10 RAW-FRESH OR NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AA	EGGS-WHOLE	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AA	EGGS-WHOLE	22 COOKED-FRESH-BAKED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AA	EGGS-WHOLE	23 COOKED-FRESH-BOILED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AA	EGGS-WHOLE	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AB	EGGS-WHITE ONLY	10 RAW-FRESH OR NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AB	EGGS-WHITE ONLY	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AB	EGGS-WHITE ONLY	22 COOKED-FRESH-BAKED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AB	EGGS-WHITE ONLY	62 COOKED-FRESH OR FROZEN-BAKED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AB	EGGS-WHITE ONLY	81 COOKED-FROZEN	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AC	EGGS-YOLK ONLY	10 RAW-FRESH OR NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AC	EGGS-YOLK ONLY	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AC	EGGS-YOLK ONLY	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AC	EGGS-YOLK ONLY	31 COOKED-FRESH OR CANNED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015BA	CHICKEN-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015LA	CHICKEN-ORGAN	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015LA	CHICKEN-ORGAN	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015LA	CHICKEN-ORGAN	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MA	CHICKEN-W/O SKIN	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MA	CHICKEN-W/O SKIN	22 COOKED-FRESH-BAKED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MA	CHICKEN-W/O SKIN	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MA	CHICKEN-W/O SKIN	31 COOKED-FRESH OR CANNED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MA	CHICKEN-W/O SKIN	53 COOKED-CANNED-BOILED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MB	CHICKEN+SKIN	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MB	CHICKEN+SKIN	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054

TABLE 2

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS DATE: 03/19/97 PAGE: 1

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

POPULATION SUBGROUP	TOTAL TMRC (MG/KG BODY WEIGHT/DAY) CURRENT TMRC*	NEW TMRC**	NEW TMRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES ARC	%RFD
U.S. POPULATION - 48 STATES	0.012798	0.012798	2559.669400	0.000000	0.000114	22.86120
U.S. POPULATION - SPRING SEASON	0.012312	0.012312	2462.432200	0.000000	0.000108	21.60340
U.S. POPULATION - SUMMER SEASON	0.012320	0.012320	2464.050400	0.000000	0.000107	21.32000
U.S. POPULATION - FALL SEASON	0.013178	0.013178	2635.510600	0.000000	0.000118	23.54680
U.S. POPULATION - WINTER SEASON	0.013340	0.013340	2668.015200	0.000000	0.000124	24.87760
NORTHEAST REGION	0.014499	0.014499	2899.871600	0.000000	0.000134	26.81400
NORTH CENTRAL REGION	0.012480	0.012480	2496.025800	0.000000	0.000105	20.94060
SOUTHERN REGION	0.011216	0.011216	2243.195000	0.000000	0.000090	17.98640
WESTERN REGION	0.013654	0.013654	2730.823000	0.000000	0.000143	28.67080
HISPANICS	0.015395	0.015395	3078.956200	0.000000	0.000088	17.50700
NON-HISPANIC WHITES	0.012648	0.012648	2529.679600	0.000000	0.000121	24.10600
NON-HISPANIC BLACKS	0.012125	0.012125	2424.993800	0.000000	0.000087	17.38840
NON-HISPANIC OTHERS	0.015682	0.015682	3136.365200	0.000000	0.000104	20.85340
NURSING INFANTS (< 1 YEAR OLD)	0.021748	0.021748	4349.649800	0.000000	0.000120	24.02520
NON-NURSING INFANTS (< 1 YEAR OLD)	0.036275	0.036275	7254.915600	0.000000	0.000286	57.24780
FEMALES (13+ YEARS, PREGNANT)	0.010292	0.010292	2058.378200	0.000000	0.000108	21.68820
FEMALES 13+ YEARS, NURSING	0.011238	0.011238	2247.645800	0.000000	0.000121	24.12860
CHILDREN (1-6 YEARS OLD)	0.030356	0.030356	6071.227400	0.000000	0.000165	33.09900
CHILDREN (7-12 YEARS OLD)	0.018360	0.018360	3671.995400	0.000000	0.000122	24.31900
MALES (13-19 YEARS OLD)	0.011099	0.011099	2219.851400	0.000000	0.000073	14.55900
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.010209	0.010209	2041.854600	0.000000	0.000076	15.18500
MALES (20 YEARS AND OLDER)	0.008683	0.008683	1736.540600	0.000000	0.000104	20.87640
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.009747	0.009747	1949.420000	0.000000	0.000116	23.14000

*Current TMRC does not include new or pending tolerances.
**New TMRC includes new, pending, and published tolerances.

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TABLE 3

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 358 DATE: 03/19/97 PAGE: 1

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS	300390A	P 1.000000	1.000000		100.00	1.000000
01009AA	BLUEBERRIES	21 COOKED-NFS	300390A	P 1.000000	1.000000		100.00	1.000000
01009AA	BLUEBERRIES	22 COOKED-FRESH-BAKED	300390A	P 1.000000	1.000000		100.00	1.000000
01009AA	BLUEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	300390A	P 1.000000	1.000000		100.00	1.000000
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS	3F1301	P 1.000000	0.017000	FDA MON	100.00	0.017000
01014AA	GRAPES-FRESH	21 COOKED-NFS	3F1301	P 1.000000	0.017000	FDA MON	100.00	0.017000
01014AA	GRAPES-FRESH	31 COOKED-FRESH OR CANNED	3F1301	P 1.000000	0.017000	FDA MON	100.00	0.017000
01014DA	GRAPES-RAISINS	10 RAW-FRESH OR NFS	3F1301	P 1.000000	0.017000C	FDA MON	100.00	0.017000
01014DA	GRAPES-RAISINS	21 COOKED-NFS	3F1301	P 1.000000	0.017000C	FDA MON	100.00	0.017000
01014DA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED	3F1301	P 1.000000	0.017000C	FDA MON	100.00	0.017000
01014JA	GRAPES-JUICE	10 RAW-FRESH OR NFS	3F1301	P 1.000000	0.017000	FDA MON	100.00	0.017000
01014JA	GRAPES-JUICE	15 RAW-FRESH OR CANNED	3F1301	P 1.000000	0.017000	FDA MON	100.00	0.017000
01014JA	GRAPES-JUICE	21 COOKED-NFS	3F1301	P 1.000000	0.017000	FDA MON	100.00	0.017000
02002AA	GRAPEFRUIT-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	1F1040	P 2.000000	0.002000	FDA MON	100.00	0.002000
02002AB	GRAPEFRUIT-PULP	10 RAW-FRESH OR NFS	1F1040	P 2.000000	0.002000	FDA MON	100.00	0.002000
02002AB	GRAPEFRUIT-PULP	21 COOKED-NFS	1F1040	P 2.000000	0.002000	FDA MON	100.00	0.002000
02002JA	GRAPEFRUIT-JUICE	15 RAW-FRESH OR CANNED	1F1040	P 2.000000	0.002000C	FDA MON	100.00	0.002000
02002JA	GRAPEFRUIT-JUICE	31 COOKED-FRESH OR CANNED	1F1040	P 2.000000	0.002000C	FDA MON	100.00	0.002000
02004AA	LEMONS-UNSPEC	10 RAW-FRESH OR NFS	8F0661	P 2.000000	0.009000	FDA MON	100.00	0.009000
02004AA	LEMONS-UNSPEC	22 COOKED-FRESH-BAKED	8F0661	P 2.000000	0.009000	FDA MON	100.00	0.009000
02004AB	LEMONS-PULP	10 RAW-FRESH OR NFS	8F0661	P 2.000000	0.009000	FDA MON	100.00	0.009000
02004AB	LEMONS-PULP	31 COOKED-FRESH OR CANNED	8F0661	P 2.000000	0.009000	FDA MON	100.00	0.009000
02004HA	LEMONS-PEEL	10 RAW-FRESH OR NFS	8F0661	P 2.000000	0.036000C	FDA MON	100.00	0.036000
02004HA	LEMONS-PEEL	21 COOKED-NFS	8F0661	P 2.000000	0.036000C	FDA MON	100.00	0.036000
02004JA	LEMONS-JUICE	10 RAW-FRESH OR NFS	8F0661	P 2.000000	0.008000C	FDA MON	100.00	0.008000
02004JA	LEMONS-JUICE	15 RAW-FRESH OR CANNED	8F0661	P 2.000000	0.008000C	FDA MON	100.00	0.008000
02004JA	LEMONS-JUICE	21 COOKED-NFS	8F0661	P 2.000000	0.008000C	FDA MON	100.00	0.008000
02004JA	LEMONS-JUICE	31 COOKED-FRESH OR CANNED	8F0661	P 2.000000	0.008000C	FDA MON	100.00	0.008000
02006AA	ORANGES-UNSPEC	00 NOT SPECIFIED (NO CONSUMPTION)	8F0661	P 2.000000	0.005000	FDA MON	100.00	0.005000
02006AB	ORANGES-PULP	10 RAW-FRESH OR NFS	8F0661	P 2.000000	0.005000	FDA MON	100.00	0.005000
02006AB	ORANGES-PULP	21 COOKED-NFS	8F0661	P 2.000000	0.005000	FDA MON	100.00	0.005000
02006HA	ORANGES-PEEL	21 COOKED-NFS	8F0661	P 2.000000	0.020000C	FDA MON	100.00	0.020000
02006HA	ORANGES-PEEL	22 COOKED-FRESH-BAKED	8F0661	P 2.000000	0.020000C	FDA MON	100.00	0.020000
02006HA	ORANGES-PEEL	31 COOKED-FRESH OR CANNED	8F0661	P 2.000000	0.020000C	FDA MON	100.00	0.020000
02006JA	ORANGES-JUICE	15 RAW-FRESH OR CANNED	8F0661	P 2.000000	0.004000C	FDA MON	100.00	0.004000
02006JA	ORANGES-JUICE	31 COOKED-FRESH OR CANNED	8F0661	P 2.000000	0.004000C	FDA MON	100.00	0.004000
02008AA	TANGERINES	10 RAW-FRESH OR NFS	1F1040	P 2.000000	0.006000	FDA MON	100.00	0.006000
02008JA	TANGERINE-JUICE	15 RAW-FRESH OR CANNED	1F1040	P 2.000000	0.005000C	FDA MON	100.00	0.005000
03008AA	PECANS	10 RAW-FRESH OR NFS	9F0812	P 0.100000	0.100000		7.00	0.007000
03008AA	PECANS	21 COOKED-NFS	9F0812	P 0.100000	0.100000		7.00	0.007000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
03008AA	PECANS	22 COOKED-FRESH-BAKED	9F0812	P 0.100000	0.100000		7.00	0.007000
03008AA	PECANS	23 COOKED-FRESH-BOILED	9F0812	P 0.100000	0.100000		7.00	0.007000
03008AA	PECANS	62 COOKED-FRESH OR FROZEN-BAKED	9F0812	P 0.100000	0.100000		7.00	0.007000
04001AA	APPLES-FRESH	10 RAW-FRESH OR NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001AA	APPLES-FRESH	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001AA	APPLES-FRESH	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001AA	APPLES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001DA	APPLES-DRIED	10 RAW-FRESH OR NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001DA	APPLES-DRIED	22 COOKED-FRESH-BAKED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001DA	APPLES-DRIED	62 COOKED-FRESH OR FROZEN-BAKED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
04001JA	APPLES-JUICE	15 RAW-FRESH OR CANNED	385	P 2.000000	0.010000C	FDA MON	100.00	0.010000
04001JA	APPLES-JUICE	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.010000C	FDA MON	100.00	0.010000
04003AA	PEARS-FRESH	10 RAW-FRESH OR NFS	385	P 2.000000	0.008000	FDA MON	100.00	0.008000
04003AA	PEARS-FRESH	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.008000	FDA MON	100.00	0.008000
04003AA	PEARS-FRESH	51 COOKED-CANNED	385	P 2.000000	0.008000	FDA MON	100.00	0.008000
04003AA	PEARS-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	385	P 2.000000	0.008000	FDA MON	100.00	0.008000
04003DA	PEARS-DRIED	10 RAW-FRESH OR NFS	385	P 2.000000	0.008000	FDA MON	100.00	0.008000
04003DA	PEARS-DRIED	21 COOKED-NFS	385	P 2.000000	0.008000	FDA MON	100.00	0.008000
05002AA	CHERRIES-FRESH	10 RAW-FRESH OR NFS	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
05002AA	CHERRIES-FRESH	21 COOKED-NFS	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
05002AA	CHERRIES-FRESH	31 COOKED-FRESH OR CANNED	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
05002AA	CHERRIES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
05002DA	CHERRIES-DRIED	00 NOT SPECIFIED (NO CONSUMPTION)	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
05002JA	CHERRIES-JUICE	15 RAW-FRESH OR CANNED	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
05002JA	CHERRIES-JUICE	21 COOKED-NFS	7E1949	P 2.000000	0.031000	FDA MON	100.00	0.031000
10002AA	CANTALOUPES-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10002AB	CANTALOUPES-PULP	10 RAW-FRESH OR NFS	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10002AB	CANTALOUPES-PULP	21 COOKED-NFS	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10003AA	CASABAS	10 RAW-FRESH OR NFS	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10004AA	CRENSHAWS	00 NOT SPECIFIED (NO CONSUMPTION)	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10005AA	HONEYDEW MELONS	10 RAW-FRESH OR NFS	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10007AA	PERSION MELONS	00 NOT SPECIFIED (NO CONSUMPTION)	7F0578	P 1.000000	0.010000	FDA MON	100.00	0.010000
10008AA	WATERMELON	10 RAW-FRESH OR NFS	7F0578	P 1.000000	0.006000	FDA MON	100.00	0.006000
10008AA	WATERMELON	21 COOKED-NFS	7F0578	P 1.000000	0.006000	FDA MON	100.00	0.006000
11003AA	PEPPERS,SWEET	10 RAW-FRESH OR NFS	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11003AA	PEPPERS,SWEET	21 COOKED-NFS	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11003AB	CHILI PEPPERS	00 NOT SPECIFIED (NO CONSUMPTION)	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11003AD	PEPPERS-OTHER	21 COOKED-NFS	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11003AD	PEPPERS-OTHER	51 COOKED-CANNED	385	P 2.000000	0.023000	FDA MON	100.00	0.023000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
11004AA	PIMIENTOS	10 RAW-FRESH OR NFS	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11004AA	PIMIENTOS	21 COOKED-NFS	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11004AA	PIMIENTOS	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.023000	FDA MON	100.00	0.023000
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005AA	TOMATOES-WHOLE	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005JA	TOMATOES-JUICE	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005RA	TOMATOES-PUREE	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005RA	TOMATOES-PUREE	32 COOKED-FRESH OR CANNED-BAKED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005RA	TOMATOES-PUREE	51 COOKED-CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005TA	TOMATOES-PASTE	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005TA	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
11005UA	TOMATOES-CATSUP	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
13002AA	CELERY	10 RAW-FRESH OR NFS	5F1531	P 2.000000	0.011000	FDA MON	100.00	0.011000
13002AA	CELERY	21 COOKED-NFS	5F1531	P 2.000000	0.011000	FDA MON	100.00	0.011000
13005AA	BROCCOLI	21 COOKED-NFS	6E3323	P 2.000000	0.013000	FDA MON	100.00	0.013000
13005AA	BROCCOLI	31 COOKED-FRESH OR CANNED	6E3323	P 2.000000	0.013000	FDA MON	100.00	0.013000
13005AA	BROCCOLI	63 COOKED-FRESH OR FROZEN-BOILED	6E3323	P 2.000000	0.013000	FDA MON	100.00	0.013000
13006AA	BRUSSEL SPROUTS	21 COOKED-NFS	0E3906	P 5.000000	2.080000	FIELD TRIALS	100.00	2.080000
13006AA	BRUSSEL SPROUTS	23 COOKED-FRESH-BOILED	0E3906	P 5.000000	2.080000	FIELD TRIALS	100.00	2.080000
13007AA	CABBAGE	10 RAW-FRESH OR NFS	6E3323	P 2.000000	0.012000	FDA MON	100.00	0.012000
13007AA	CABBAGE	11 RAW-FRESH-PICKLED,CORNED,OR CURED	6E3323	P 2.000000	0.012000	FDA MON	100.00	0.012000
13007AA	CABBAGE	21 COOKED-NFS	6E3323	P 2.000000	0.012000	FDA MON	100.00	0.012000
13008AA	CAULIFLOWER	10 RAW-FRESH OR NFS	6E3323	P 2.000000	0.011000	FDA MON	100.00	0.011000
13008AA	CAULIFLOWER	21 COOKED-NFS	6E3323	P 2.000000	0.011000	FDA MON	100.00	0.011000
13009AA	COLLARDS	51 COOKED-CANNED	6E3323	P 2.000000	0.018000	FDA MON	100.00	0.018000
13009AA	COLLARDS	63 COOKED-FRESH OR FROZEN-BOILED	6E3323	P 2.000000	0.018000	FDA MON	100.00	0.018000
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	6E3323	P 2.000000	0.012000	FDA MON	100.00	0.012000
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	6E3323	P 2.000000	0.012000	FDA MON	100.00	0.012000
13011AA	KALE	63 COOKED-FRESH OR FROZEN-BOILED	6E3323	P 2.000000	0.005000	FDA MON	100.00	0.005000
13013AA	LETTUCE-LEAFY	10 RAW-FRESH OR NFS	385	P 2.000000	0.011000	FDA MON	100.00	0.011000
13015AA	ENDIVE	10 RAW-FRESH OR NFS	385	P 2.000000	0.038000	FDA MON	100.00	0.038000
13015AA	ENDIVE	21 COOKED-NFS	385	P 2.000000	0.038000	FDA MON	100.00	0.038000
13016AA	FENNEL	00 NOT SPECIFIED (NO CONSUMPTION)	5F1531	P 2.000000	0.011000	FDA MON	100.00	0.011000
13020AA	LETTUCE-UNSPEC	10 RAW-FRESH OR NFS	385	P 2.000000	0.034000	FDA MON	100.00	0.034000
13021AA	MUSTARD GREENS	21 COOKED-NFS	6E3323	P 2.000000	0.067000	FDA MON	100.00	0.067000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
13021AA	MUSTARD GREENS	63 COOKED-FRESH OR FROZEN-BOILED	6E3323	P 2.000000	0.067000	FDA MON	100.00	0.067000
13024AA	SPINACH	10 RAW-FRESH OR NFS	385	P 2.000000	0.024000	FDA MON	100.00	0.024000
13024AA	SPINACH	21 COOKED-NFS	385	P 2.000000	0.024000	FDA MON	100.00	0.024000
13024AA	SPINACH	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.024000	FDA MON	100.00	0.024000
13025AA	SWISS CHARD	10 RAW-FRESH OR NFS	385	P 2.000000	0.038000	FDA MON	100.00	0.038000
13025AA	SWISS CHARD	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.038000	FDA MON	100.00	0.038000
13025AA	SWISS CHARD	63 COOKED-FRESH OR FROZEN-BOILED	385	P 2.000000	0.038000	FDA MON	100.00	0.038000
13026AA	TURNIPS-TOPS	10 RAW-FRESH OR NFS	385	P 2.000000	0.024000	FDA MON	100.00	0.024000
13026AA	TURNIPS-TOPS	21 COOKED-NFS	385	P 2.000000	0.024000	FDA MON	100.00	0.024000
13026AA	TURNIPS-TOPS	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.024000	FDA MON	100.00	0.024000
13045AA	LETTUCE-HEAD	10 RAW-FRESH OR NFS	385	P 2.000000	0.034000	FDA MON	100.00	0.034000
13045AA	LETTUCE-HEAD	21 COOKED-NFS	385	P 2.000000	0.034000	FDA MON	100.00	0.034000
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AB	POTATO(WH)-UNSPE	22 COOKED-FRESH-BAKED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOILED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14013HA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	7F0578	P 0.200000	0.001000	FDA MON	100.00	0.001000
14019AA	TURNIPS-ROOTS	10 RAW-FRESH OR NFS	385	P 0.020000	0.020000	FDA MON	100.00	0.020000
14019AA	TURNIPS-ROOTS	21 COOKED-NFS	385	P 0.020000	0.020000	FDA MON	100.00	0.020000
15001AA	BEANS-DRY-GRT NO	00 NOT SPECIFIED (NO CONSUMPTION)	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AB	BEANS-DRY-KIDNEY	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AB	BEANS-DRY-KIDNEY	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AC	BEANS-DRY-LIMA	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AD	BEANS-DRY-NAVY	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AD	BEANS-DRY-NAVY	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AE	BEANS-DRY-OTHER	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AE	BEANS-DRY-OTHER	25 COOKED-FRESH-FRIED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AE	BEANS-DRY-OTHER	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15001AF	BEANS-DRY-PINTO	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15002AA	BEANS-SUCC-LIMA	10 RAW-FRESH OR NFS	385	P 2.000000	0.028000	FDA MON	100.00	0.028000
15002AA	BEANS-SUCC-LIMA	21 COOKED-NFS	385	P 2.000000	0.028000	FDA MON	100.00	0.028000
15003AA	BEANS-SUCC-GREEN	21 COOKED-NFS	385	P 2.000000	0.028000	FDA MON	100.00	0.028000
15007AA	PEAS DRY-GARDEN	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15007AA	PEAS DRY-GARDEN	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
15009AA	PEAS SUCC-GARDEN	21 COOKED-NFS	385	P 2.000000	0.067000	FDA MON	100.00	0.067000
15009AA	PEAS SUCC-GARDEN	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.067000	FDA MON	100.00	0.067000
15013AA	MUNG BEANS	10 RAW-FRESH OR NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15013AA	MUNG BEANS	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15029AA	SOYBEAN-SPROUTED	00 NOT SPECIFIED (NO CONSUMPTION)	5F1642	P 0.050000	0.050000		10.00	0.005000
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15031AA	BLKEYE PEAS-DRY	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15032AA	BEANS-DRY	21 COOKED-NFS	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED	385	P 2.000000	0.006000	FDA MON	100.00	0.006000
16002AA	ASPARAGUS	21 COOKED-NFS	4E4374	P 0.150000	0.150000		100.00	0.150000
16002AA	ASPARAGUS	23 COOKED-FRESH-BOILED	4E4374	P 0.150000	0.150000		100.00	0.150000
24002EA	CORN,GRAIN-ENDO	10 RAW-FRESH OR NFS	4F1462	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN,GRAIN-ENDO	21 COOKED-NFS	4F1462	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN,GRAIN-ENDO	22 COOKED-FRESH-BAKED	4F1462	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN,GRAIN-ENDO	23 COOKED-FRESH-BOILED	4F1462	P 0.100000	0.100000		1.00	0.001000
24002HA	CORN,GRAIN-BRAN	00 NOT SPECIFIED (NO CONSUMPTION)	4F1462	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	10 RAW-FRESH OR NFS	4F1462	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	21 COOKED-NFS	4F1462	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	22 COOKED-FRESH-BAKED	4F1462	P 0.100000	0.100000		1.00	0.001000
24006AA	SORGHUM	00 NOT SPECIFIED (NO CONSUMPTION)	0F0999	P 0.100000	0.100000		1.00	0.001000
24007AA	WHEAT-ROUGH	10 RAW-FRESH OR NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007AA	WHEAT-ROUGH	21 COOKED-NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007AA	WHEAT-ROUGH	22 COOKED-FRESH-BAKED	0F0867	P 0.040000	0.040000		2.00	0.000800
24007AA	WHEAT-ROUGH	23 COOKED-FRESH-BOILED	0F0867	P 0.040000	0.040000		2.00	0.000800
24007GA	WHEAT-GERM	10 RAW-FRESH OR NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007GA	WHEAT-GERM	22 COOKED-FRESH-BAKED	0F0867	P 0.040000	0.040000		2.00	0.000800
24007HA	WHEAT-BRAN	10 RAW-FRESH OR NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007HA	WHEAT-BRAN	21 COOKED-NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007HA	WHEAT-BRAN	22 COOKED-FRESH-BAKED	0F0867	P 0.040000	0.040000		2.00	0.000800
24007WA	WHEAT-FLOUR	10 RAW-FRESH OR NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007WA	WHEAT-FLOUR	21 COOKED-NFS	0F0867	P 0.040000	0.040000		2.00	0.000800
24007WA	WHEAT-FLOUR	22 COOKED-FRESH-BAKED	0F0867	P 0.040000	0.040000		2.00	0.000800
24007WA	WHEAT-FLOUR	25 COOKED-FRESH-FRIED	0F0867	P 0.040000	0.040000		2.00	0.000800
270020A	CORN,GRAIN-OIL	18 PROCESSED OIL	4F1462	P 0.100000	0.100000		1.00	0.001000
270030A	COTTONSEED-OIL	18 PROCESSED OIL	0F0928	P 0.100000	0.100000		25.00	0.025000
27003WA	COTTONSEED-MEAL	18 PROCESSED OIL	0F0928	P 0.100000	0.100000		25.00	0.025000
27008AA	SAFFLOWER-SEED	00 NOT SPECIFIED (NO CONSUMPTION)	0F0928	P 0.100000	0.100000		100.00	0.100000
270080A	SAFFLOWER-OIL	18 PROCESSED OIL	0F0928	P 0.100000	0.100000		100.00	0.100000

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
270100A	SOYBEANS-OIL	18 PROCESSED OIL	5F1642	P 0.050000	0.050000		10.00	0.005000
28023AA	SOYBEANS-UNSPEC	21 COOKED-NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023AB	SOYBEANS-DRY	10 RAW-FRESH OR NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023AB	SOYBEANS-DRY	21 COOKED-NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023AB	SOYBEANS-DRY	23 COOKED-FRESH-BOILED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023AB	SOYBEANS-DRY	25 COOKED-FRESH-FRIED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023AB	SOYBEANS-DRY	31 COOKED-FRESH OR CANNED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WA	SOY-FL, FULL FAT	21 COOKED-NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WA	SOY-FL, FULL FAT	22 COOKED-FRESH-BAKED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WA	SOY-FL, FULL FAT	31 COOKED-FRESH OR CANNED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WB	SOY-FL, LOW FAT	21 COOKED-NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WC	SOY-FL,DEFAT	10 RAW-FRESH OR NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WC	SOY-FL,DEFAT	21 COOKED-NFS	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WC	SOY-FL,DEFAT	22 COOKED-FRESH-BAKED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WC	SOY-FL,DEFAT	51 COOKED-CANNED	5F1642	P 0.050000	0.050000		10.00	0.005000
28023WC	SOY-FL,DEFAT	53 COOKED-CANNED-BOILED	5F1642	P 0.050000	0.050000		10.00	0.005000
43058AA	WINE AND SHERRY	10 RAW-FRESH OR NFS	3F1301	P 1.000000	0.290000	FDA MON	100.00	0.290000
43058AA	WINE AND SHERRY	21 COOKED-NFS	3F1301	P 1.000000	0.290000	FDA MON	100.00	0.290000
50000DB	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000DB	MILK-NON-FAT SOL	21 COOKED-NFS	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000DB	MILK-NON-FAT SOL	51 COOKED-CANNED	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000SA	MILK SUG (LACT)	21 COOKED-NFS	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
50000SA	MILK SUG (LACT)	51 COOKED-CANNED	8F0661	P 0.002000	0.000140	FDA MON	100.00	0.000140
53001BA	BEEF-MEAT BYP	21 COOKED-NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001BA	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001BB	BEEF-OTH ORGAN	51 COOKED-CANNED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001DA	BEEF-DRIED	21 COOKED-NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001FA	BEEF-FAT	21 COOKED-NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001KA	BEEF-KIDNEY	21 COOKED-NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001MA	BEEF-LEAN	21 COOKED-NFS	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53001MA	BEEF-LEAN	24 COOKED-FRESH-BROILED	8F0661	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED (NO CONSUMPTION)	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002BB	GOAT-OTH ORGAN	00 NOT SPECIFIED (NO CONSUMPTION)	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002FA	GOAT-FAT	25 COOKED-FRESH-FRIED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002KA	GOAT-KIDNEY	00 NOT SPECIFIED (NO CONSUMPTION)	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002LA	GOAT-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002MA	GOAT-LEAN	23 COOKED-FRESH-BOILED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53002MA	GOAT-LEAN	25 COOKED-FRESH-FRIED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53003AA	HORSE	00 NOT SPECIFIED (NO CONSUMPTION)	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005BA	SHEEP-MEAT BYP	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005BB	SHEEP-OTH ORGAN	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005FA	SHEEP-FAT	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005KA	SHEEP-KIDNEY	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005LA	SHEEP-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005MA	SHEEP-LEAN	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53005MA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006BA	PORK-MEAT BYP	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006BB	PORK-OTH ORGAN	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006BB	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006FA	PORK-FAT	10 RAW-FRESH OR NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006FA	PORK-FAT	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006FA	PORK-FAT	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006KA	PORK-KIDNEY	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006LA	PORK-LIVER	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006LA	PORK-LIVER	25 COOKED-FRESH-FRIED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006MA	PORK-LEAN	21 COOKED-NFS	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006MA	PORK-LEAN	25 COOKED-FRESH-FRIED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	0F0867	P 0.020000	0.000017	FDA MON	100.00	0.000017
55008BA	TURKEY-BYP	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008BA	TURKEY-BYP	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008LA	TURKEY ORGAN	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008LA	TURKEY ORGAN	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008MA	TURKEY W/O SKIN	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
55008MA	TURKEY W/O SKIN	31 COOKED-FRESH OR CANNED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008MA	TURKEY W/O SKIN	62 COOKED-FRESH OR FROZEN-BAKED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008MB	TURKEY+SKIN	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008MB	TURKEY+SKIN	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55008MC	TURKEY-UNSPEC	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55013BA	POULTRY,OTH-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55013LA	POULTRY,ORGAN	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55013MA	POULTRY,OTHER	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AA	EGGS-WHOLE	10 RAW-FRESH OR NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AA	EGGS-WHOLE	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AA	EGGS-WHOLE	22 COOKED-FRESH-BAKED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AA	EGGS-WHOLE	23 COOKED-FRESH-BOILED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AA	EGGS-WHOLE	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AB	EGGS-WHITE ONLY	10 RAW-FRESH OR NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AB	EGGS-WHITE ONLY	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AB	EGGS-WHITE ONLY	22 COOKED-FRESH-BAKED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AB	EGGS-WHITE ONLY	62 COOKED-FRESH OR FROZEN-BAKED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AB	EGGS-WHITE ONLY	81 COOKED-FROZEN	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AC	EGGS-YOLK ONLY	10 RAW-FRESH OR NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AC	EGGS-YOLK ONLY	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AC	EGGS-YOLK ONLY	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55014AC	EGGS-YOLK ONLY	31 COOKED-FRESH OR CANNED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015BA	CHICKEN-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015LA	CHICKEN-ORGAN	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015LA	CHICKEN-ORGAN	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015LA	CHICKEN-ORGAN	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MA	CHICKEN-W/O SKIN	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MA	CHICKEN-W/O SKIN	22 COOKED-FRESH-BAKED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MA	CHICKEN-W/O SKIN	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MA	CHICKEN-W/O SKIN	31 COOKED-FRESH OR CANNED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MA	CHICKEN-W/O SKIN	53 COOKED-CANNED-BOILED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MB	CHICKEN+SKIN	21 COOKED-NFS	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054
55015MB	CHICKEN+SKIN	25 COOKED-FRESH-FRIED	0F0928	P 0.020000	0.000054	FDA MON	100.00	0.000054

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TABLE 4

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 03/19/97 PAGE: 1

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dimethoate Caswell #358 CAS No. 60-51-5 A.I. CODE: 035001 CFR No. 180.204	2yr feeding- rat NOEL= 0.0500 mg/kg 1.00 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: C (HED)	Brain ChE inhibition. Evidence of carcinogenicity in rat (hemangioma, hemangiosarcoma); negative in mice.	ADI UF -->100 OPP RfD= 0.000500 EPA RfD= 0.000200	No data gaps.	EPA verified 03/18/87 WHO reviewed 1987 HED reassess 03/04/88 EPA verified 03/23/88 RfD/PR reviewed 03/27/95 On IRIS.

POPULATION SUBGROUP	TOTAL TMRC (MG/KG BODY WEIGHT/DAY) CURRENT TMRC*	NEW TMRC**	NEW TMRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES ARC	%RFD
U.S. POPULATION - 48 STATES	0.012780	0.012780	2555.922800	0.000000	0.000114	22.88360
U.S. POPULATION - SPRING SEASON	0.012299	0.012299	2459.790000	0.000000	0.000108	21.61480
U.S. POPULATION - SUMMER SEASON	0.012310	0.012310	2461.978400	0.000000	0.000107	21.32940
U.S. POPULATION - FALL SEASON	0.013143	0.013143	2628.633400	0.000000	0.000118	23.59300
U.S. POPULATION - WINTER SEASON	0.013323	0.013323	2664.625600	0.000000	0.000125	24.90060
NORTHEAST REGION	0.014487	0.014487	2897.359400	0.000000	0.000134	26.82240
NORTH CENTRAL REGION	0.012472	0.012472	2494.391800	0.000000	0.000105	20.95020
SOUTHERN REGION	0.011179	0.011179	2235.861000	0.000000	0.000090	18.04200
WESTERN REGION	0.013643	0.013643	2728.543800	0.000000	0.000143	28.67480
HISPANICS	0.015384	0.015384	3076.776200	0.000000	0.000088	17.50680
NON-HISPANIC WHITES	0.012631	0.012631	2526.271200	0.000000	0.000121	24.12580
NON-HISPANIC BLACKS	0.012090	0.012090	2417.951200	0.000000	0.000087	17.44200
NON-HISPANIC OTHERS	0.015680	0.015680	3135.901200	0.000000	0.000104	20.85680
NURSING INFANTS (< 1 YEAR OLD)	0.021748	0.021748	4349.649800	0.000000	0.000120	24.02520
NON-NURSING INFANTS (< 1 YEAR OLD)	0.036275	0.036275	7254.915600	0.000000	0.000286	57.24780
FEMALES (13+ YEARS, PREGNANT)	0.010289	0.010289	2057.813600	0.000000	0.000108	21.69260
FEMALES 13+ YEARS, NURSING	0.011206	0.011206	2241.134400	0.000000	0.000121	24.17800
CHILDREN (1-6 YEARS OLD)	0.030335	0.030335	6067.088600	0.000000	0.000166	33.12500
CHILDREN (7-12 YEARS OLD)	0.018349	0.018349	3669.895800	0.000000	0.000122	24.33320
MALES (13-19 YEARS OLD)	0.011094	0.011094	2218.767200	0.000000	0.000073	14.56300
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.010201	0.010201	2040.135200	0.000000	0.000076	15.19220
MALES (20 YEARS AND OLDER)	0.008666	0.008666	1733.227200	0.000000	0.000104	20.89560
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.009720	0.009720	1943.912400	0.000000	0.000116	23.17380

*Current TMRC does not include new or pending tolerances.
**New TMRC includes new, pending, and published tolerances.

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TABLE 5

1DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION 10:23 Thursday, March 20, 1997 65

*NAME: DIMETHOATE		STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
*CASWELL NO: 358	CFR NO: CFR180.204	A	00000.0020	000008.000	000100	Subchronic	Human	Enzymatic	Minimum	*
*CAS NO: 00060-51-5 SHAUGHNESSY NO: 035001		B	00000.0050	000002.000	000010	Subchronic	Dog	Enzymatic	Minimum	*
*STATUS CODES:		C	00000.0714	000050.000	000100	Reprodctn	Mouse	Systemic	Minimum	*

*RDV INFO: The LD value used in this analysis is 0.1 MG/KG of BODY WEIGHT/DAY *

FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

-U.S. POP.--48 STATES

	ESTIMATED % OF POTENTIAL PERSON DAYS THAT ARE USER-DAYS	MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
ESTIMATES BASED ON TOLERANCES:	0.00	0.000000	0.00
ANTICIPATED RESIDUES:	99.80	0.012884	12.88

0 ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=

	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTICIPATED RESIDUES:	100	19	5	2	1	1	0	0	0	0	0	0	0	0	0	0	0

0INFANTS(<1 YEAR)

	ESTIMATED % OF POTENTIAL PERSON DAYS THAT ARE USER-DAYS	MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
ESTIMATES BASED ON TOLERANCES:	0.00	0.000000	0.00
ANTICIPATED RESIDUES:	93.23	0.035593	35.59

0 ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=

	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTICIPATED RESIDUES:	100	50	35	23	15	8	5	2	2	1	1	0	0	0	0	0	0

0CHILDREN(1-6 YRS)

	ESTIMATED % OF POTENTIAL PERSON DAYS THAT ARE USER-DAYS	MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
ESTIMATES BASED ON TOLERANCES:	0.00	0.000000	0.00
ANTICIPATED RESIDUES:	99.94	0.030253	30.25

0 ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=

	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTICIPATED RESIDUES:	100	51	29	14	7	4	2	1	1	0	0	0	0	0	0	0	0

1DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION 10:23 Thursday, March 20, 1997 66

*NAME: DIMETHOATE
*CASWELL NO: 358 CFR NO: CFR180.204
*CAS NO: 00060-51-5 SHAUGHNESSY NO: 035001
*STATUS CODES:
*RDV INFO: The LD value used in this analysis is 0.1 MG/KG of BODY WEIGHT/DAY
*FILE INFO: No Tolerance Data Are Used--Without User Modifications.

STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0020	000008.000	000100	Subchronic	Human	Enzymatic	Minimum	*
B	00000.0050	000002.000	000010	Subchronic	Dog	Enzymatic	Minimum	*
C	00000.0714	000050.000	000100	Reprodctn	Mouse	Systemic	Minimum	*

AR DATA: No User Modifications*

-FEMALES(13+ YRS)

ESTIMATES BASED ON	ESTIMATED % OF POTENTIAL: PERSON DAYS THAT ARE USER-DAYS	MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY: MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
TOLERANCES:	0.00	0.000000	0.00
ANTICIPATED RESIDUES:	99.85	0.009907	9.91

0 ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=

	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTICIPATED RESIDUES:	100	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OMALES(13+ YRS)

ESTIMATES BASED ON	ESTIMATED % OF POTENTIAL: PERSON DAYS THAT ARE USER-DAYS	MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY: MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
TOLERANCES:	0.00	0.000000	0.00
ANTICIPATED RESIDUES:	99.93	0.009202	9.20

0 ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=

	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTICIPATED RESIDUES:	100	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

General U.S. Population

Exposure = RDV x X
= 0.1 x 1.2
High End Exposure = 0.12

MOE = Noel ÷ Exposure
= 2.0 mg/kg/day ÷ 0.12 mg/kg/day
MOE = 16.6

23

Infants (< 1 year)

Exposure = RDV x X
= 0.1 x 3
High End Exposure = 0.3

MOE = Noel + Exposure
= 2.0 mg/kg/day + 0.3 mg/kg/day
MOE = 6.6

Children (1-6 years)

Exposure = RDV x X
= 0.1 x 1.8
High End Exposure = 0.18

MOE = Noel + Exposure
= 2.0 mg/kg/day + 0.18 mg/kg/day
MOE = 11.1

Females (13+ Years):

Exposure = RDV x X
= 0.1 x 0.6
High End Exposure = 0.06

MOE = Noel + Exposure
= 2.0 mg/kg/day + 0.06 mg/kg/day
MOE = 33.3

Males (13+ Years):

Exposure = RDV x X
= 0.1 x 0.6
High End Exposure = 0.06

MOE = Noel + Exposure
= 2.0 mg/kg/day + 0.06 mg/kg/day
MOE = 33.3

358	01009AA10	1.0000	BLUEBERRIES
358	01009AA21	1.0000	BLUEBERRIES
358	01009AA22	1.0000	BLUEBERRIES
358	01009AA62	1.0000	BLUEBERRIES
358	01014AA10	1.0000	GRAPES-FRESH
358	01014AA21	1.0000	GRAPES-FRESH
358	01014AA31	1.0000	GRAPES-FRESH
358	01014DA10	1.0000	GRAPES-RAISINS
358	01014DA21	1.0000	GRAPES-RAISINS
358	01014DA22	1.0000	GRAPES-RAISINS
358	01014JA10	1.0000	GRAPES-JUICE
358	01014JA15	1.0000	GRAPES-JUICE
358	01014JA21	1.0000	GRAPES-JUICE
358	02002AA00	2.0000	GRAPEFRUIT-UNSP
358	02002AB10	2.0000	GRAPEFRUIT-PULP
358	02002AB21	2.0000	GRAPEFRUIT-PULP
358	02002JA15	2.0000	GRAPEFRUIT-JUICE
358	02002JA31	2.0000	GRAPEFRUIT-JUICE
358	02004AA10	2.0000	LEMONS-UNSPEC
358	02004AA22	2.0000	LEMONS-UNSPEC
358	02004AB10	2.0000	LEMONS-PULP
358	02004AB31	2.0000	LEMONS-PULP
358	02004HA10	2.0000	LEMONS-PEEL
358	02004HA21	2.0000	LEMONS-PEEL
358	02004JA10	2.0000	LEMONS-JUICE
358	02004JA15	2.0000	LEMONS-JUICE
358	02004JA21	2.0000	LEMONS-JUICE
358	02004JA31	2.0000	LEMONS-JUICE
358	02006AA00	2.0000	ORANGES-UNSPEC
358	02006AB10	2.0000	ORANGES-PULP
358	02006AB21	2.0000	ORANGES-PULP
358	02006HA21	2.0000	ORANGES-PEEL
358	02006HA22	2.0000	ORANGES-PEEL
358	02006HA31	2.0000	ORANGES-PEEL
358	02006JA15	2.0000	ORANGES-JUICE
358	02006JA31	2.0000	ORANGES-JUICE
358	02008AA10	2.0000	TANGERINES
358	02008JA15	2.0000	TANGERINE-JUICE
358	03008AA10	0.1000	PECANS
358	03008AA21	0.1000	PECANS
358	03008AA22	0.1000	PECANS
358	03008AA23	0.1000	PECANS
358	03008AA62	0.1000	PECANS
358	04001AA10	2.0000	APPLES-FRESH
358	04001AA21	2.0000	APPLES-FRESH
358	04001AA31	2.0000	APPLES-FRESH
358	04001AA62	2.0000	APPLES-FRESH
358	04001DA10	2.0000	APPLES-DRIED
358	04001DA22	2.0000	APPLES-DRIED
358	04001DA62	2.0000	APPLES-DRIED
358	04001JA15	2.0000	APPLES-JUICE
358	04001JA31	2.0000	APPLES-JUICE
358	04003AA10	2.0000	PEARS-FRESH
358	04003AA31	2.0000	PEARS-FRESH
358	04003AA51	2.0000	PEARS-FRESH
358	04003AA62	2.0000	PEARS-FRESH
358	04003DA10	2.0000	PEARS-DRIED
358	04003DA21	2.0000	PEARS-DRIED
358	05002AA10	2.0000	CHERRIES-FRESH
358	05002AA21	2.0000	CHERRIES-FRESH
358	05002AA31	2.0000	CHERRIES-FRESH
358	05002AA62	2.0000	CHERRIES-FRESH
358	05002DA00	2.0000	CHERRIES-DRIED
358	05002JA15	2.0000	CHERRIES-JUICE
358	05002JA21	2.0000	CHERRIES-JUICE
358	10002AA00	1.0000	CANTALOUPES-UNSP
358	10002AB10	1.0000	CANTALOUPES-PULP
358	10002AB21	1.0000	CANTALOUPES-PULP
358	10003AA10	1.0000	CASABAS
358	10004AA00	1.0000	CRENSHAWS
358	10005AA10	1.0000	HONEYDEW MELONS
358	10007AA00	1.0000	PERSION MELONS
358	10008AA10	1.0000	WATERMELON
358	10008AA21	1.0000	WATERMELON
358	11003AA10	2.0000	PEPPERS,SWEET
358	11003AA21	2.0000	PEPPERS,SWEET
358	11003AB00	2.0000	CHILI PEPPERS
358	11003AD10	2.0000	PEPPERS-OTHER
358	11003AD21	2.0000	PEPPERS-OTHER
358	11003AD51	2.0000	PEPPERS-OTHER
358	11004AA10	2.0000	PIMIENTOS
358	11004AA21	2.0000	PIMIENTOS
358	11004AA31	2.0000	PIMIENTOS
358	11005AA10	2.0000	TOMATOES-WHOLE
358	11005AA21	2.0000	TOMATOES-WHOLE
358	11005AA31	2.0000	TOMATOES-WHOLE
358	11005JA10	2.0000	TOMATOES-JUICE
358	11005JA21	2.0000	TOMATOES-JUICE
358	11005RA10	2.0000	TOMATOES-PUREE
358	11005RA21	2.0000	TOMATOES-PUREE
358	11005RA31	2.0000	TOMATOES-PUREE
358	11005RA32	2.0000	TOMATOES-PUREE
358	11005RA51	2.0000	TOMATOES-PUREE
358	11005TA21	2.0000	TOMATOES-PASTE
358	11005TA22	2.0000	TOMATOES-PASTE
358	11005TA31	2.0000	TOMATOES-PASTE
358	11005UA21	2.0000	

TOMATOES-CATSUP
358 13002AA10 2.0000 CELERY
358 13002AA21 2.0000 CELERY
358 13005AA21 2.0000 BROCCOLI
358 13005AA31 2.0000 BROCCOLI
358 13005AA63 2.0000 BROCCOLI
358 13006AA21 5.0000 BRUSSEL
SPROUTS
358 13006AA23 5.0000 BRUSSEL
SPROUTS
358 13007AA10 2.0000 CABBAGE
358 13007AA11 2.0000 CABBAGE
358 13007AA21 2.0000 CABBAGE
358 13008AA10 2.0000 CAULIFLOWER
358 13008AA21 2.0000 CAULIFLOWER
358 13009AA51 2.0000 COLLARDS
358 13009AA63 2.0000 COLLARDS
358 13010AA10 2.0000
CABBAGE-CHINESE
358 13010AA21 2.0000
CABBAGE-CHINESE
358 13011AA63 2.0000 KALE
358 13013AA10 2.0000
LETTUCE-LEAFY
358 13015AA10 2.0000 ENDIVE
358 13015AA21 2.0000 ENDIVE
358 13016AA00 2.0000 FENNEL
358 13020AA10 2.0000
LETTUCE-UNSPEC
358 13021AA21 2.0000 MUSTARD
GREENS
358 13021AA63 2.0000 MUSTARD
GREENS
358 13024AA10 2.0000 SPINACH
358 13024AA21 2.0000 SPINACH
358 13024AA31 2.0000 SPINACH
358 13025AA10 2.0000 SWISS CHARD
358 13025AA31 2.0000 SWISS CHARD
358 13025AA63 2.0000 SWISS CHARD
358 13026AA10 2.0000 TURNIPS-TOPS
358 13026AA21 2.0000 TURNIPS-TOPS
358 13026AA31 2.0000 TURNIPS-TOPS
358 13045AA10 2.0000 LETTUCE-HEAD
358 13045AA21 2.0000 LETTUCE-HEAD
358 14013AA10 0.2000
POTATO(WH)-WHOLE
358 14013AA21 0.2000
POTATO(WH)-WHOLE
358 14013AA22 0.2000
POTATO(WH)-WHOLE
358 14013AB22 0.2000
POTATO(WH)-UNSPE
358 14013AC21 0.2000
POTATO(WH)-PULP
358 14013AC22 0.2000
POTATO(WH)-PULP
358 14013AC23 0.2000
POTATO(WH)-PULP
358 14013AC25 0.2000
POTATO(WH)-PULP
358 14013DA10 0.2000
POTATO(WH)-DRY
358 14013DA31 0.2000
POTATO(WH)-DRY
358 14013HA22 0.2000
POTATO(WH)-PEEL
358 14019AA10 2.0000
TURNIPS-ROOTS
358 14019AA21 2.0000
TURNIPS-ROOTS
358 15001AA00 2.0000
BEANS-DRY-GRT NO
358 15001AB21 2.0000
BEANS-DRY-KIDNEY
358 15001AB31 2.0000
BEANS-DRY-KIDNEY
358 15001AC21 2.0000
BEANS-DRY-LIMA
358 15001AD21 2.0000
BEANS-DRY-NAVY
358 15001AD31 2.0000
BEANS-DRY-NAVY
358 15001AE21 2.0000
BEANS-DRY-OTHER
358 15001AE25 2.0000
BEANS-DRY-OTHER
358 15001AE31 2.0000
BEANS-DRY-OTHER
358 15001AF21 2.0000
BEANS-DRY-PINTO
358 15002AA10 2.0000
BEANS-SUCC-LIMA
358 15002AA21 2.0000
BEANS-SUCC-LIMA
358 15003AA21 2.0000
BEANS-SUCC-GREEN
358 15007AA21 2.0000 PEAS
DRY-GARDEN
358 15007AA31 2.0000 PEAS
DRY-GARDEN
358 15009AA21 2.0000 PEAS
SUCC-GARDEN
358 15009AA31 2.0000 PEAS
SUCC-GARDEN
358 15011AA31 2.0000
LENTILES-WHOLE
358 15011AB21 2.0000
LENTILES-SPLIT
358 15013AA10 2.0000 MUNG BEANS
358 15013AA21 2.0000 MUNG BEANS
358 15022AA00 2.0000
BEANS-DRY-BROAD
358 15023AA21 2.0000
BEANS-DRY-PIGEON
358 15029AA00 0.0500
SOYBEAN-SPROUTED
358 15030AA00 2.0000
BEANS-DRY-HYAC
358 15031AA21 2.0000 BLKEYE
PEAS-DRY
358 15032AA21 2.0000 BEANS-DRY
358 15032AA31 2.0000 BEANS-DRY
358 16002AA21 0.1500 ASPARAGUS
358 16002AA23 0.1500 ASPARAGUS
358 24002EA10 0.1000
CORN,GRAIN-ENDO
358 24002EA21 0.1000
CORN,GRAIN-ENDO
358 24002EA22 0.1000
CORN,GRAIN-ENDO
358 24002EA23 0.1000
CORN,GRAIN-ENDO
358 24002HA00 0.1000
CORN,GRAIN-BRAN
358 24002SA10 0.1000 CORN SUGAR
358 24002SA21 0.1000 CORN SUGAR
358 24002SA22 0.1000 CORN SUGAR
358 24006AA00 0.1000 SORGHUM
358 24007AA10 0.0400 WHEAT-ROUGH
358 24007AA21 0.0400 WHEAT-ROUGH
358 24007AA22 0.0400 WHEAT-ROUGH
358 24007AA23 0.0400 WHEAT-ROUGH

358	24007GA10	0.0400	WHEAT-GERM
358	24007GA22	0.0400	WHEAT-GERM
358	24007HA10	0.0400	WHEAT-BRAN
358	24007HA21	0.0400	WHEAT-BRAN
358	24007HA22	0.0400	WHEAT-BRAN
358	24007WA10	0.0400	WHEAT-FLOUR
358	24007WA21	0.0400	WHEAT-FLOUR
358	24007WA22	0.0400	WHEAT-FLOUR
358	24007WA25	0.0400	WHEAT-FLOUR
358	27002OA18	0.1000	
CORN,GRAIN-OIL			
358	27003OA18	0.1000	
COTTONSEED-OIL			
358	27003WA18	0.1000	
COTTONSEED-MEAL			
358	27008AA00	0.1000	
SAFFLOWER-SEED			
358	27008OA18	0.1000	
SAFFLOWER-OIL			
358	27010OA18	0.0500	SOYBEANS-OIL
358	28023AA21	0.0500	
SOYBEANS-UNSPEC			
358	28023AB10	0.0500	SOYBEANS-DRY
358	28023AB21	0.0500	SOYBEANS-DRY
358	28023AB23	0.0500	SOYBEANS-DRY
358	28023AB25	0.0500	SOYBEANS-DRY
358	28023AB31	0.0500	SOYBEANS-DRY
358	28023WA21	0.0500	SOY-FL, FULL
FAT			
358	28023WA22	0.0500	SOY-FL, FULL
FAT			
358	28023WA31	0.0500	SOY-FL, FULL
FAT			
358	28023WB21	0.0500	SOY-FL, LOW
FAT			
358	28023WC10	0.0500	SOY-FL,DEFAT
358	28023WC21	0.0500	SOY-FL,DEFAT
358	28023WC22	0.0500	SOY-FL,DEFAT
358	28023WC51	0.0500	SOY-FL,DEFAT
358	28023WC53	0.0500	SOY-FL,DEFAT
358	43058AA10	1.0000	WINE AND
SHERRY			
358	43058AA21	1.0000	WINE AND
SHERRY			
358	50000DB10	0.0020	MILK-NON-FAT
SOL			
358	50000DB21	0.0020	MILK-NON-FAT
SOL			
358	50000DB51	0.0020	MILK-NON-FAT
SOL			
358	50000FA10	0.0020	MILK-FAT
SOLIDS			
358	50000FA21	0.0020	MILK-FAT
SOLIDS			
358	50000FA51	0.0020	MILK-FAT
SOLIDS			
358	50000SA21	0.0020	MILK SUG
(LACT)			
358	50000SA51	0.0020	MILK SUG
(LACT)			
358	53001BA21	0.0200	BEEF-MEAT
BYP			
358	53001BA26	0.0200	BEEF-MEAT
BYP			
358	53001BB21	0.0200	BEEF-OTH
ORGAN			
358	53001BB51	0.0200	BEEF-OTH
ORGAN			
358	53001DA21	0.0200	BEEF-DRIED
358	53001FA10	0.0200	BEEF-FAT
358	53001FA21	0.0200	BEEF-FAT
358	53001FA22	0.0200	BEEF-FAT
358	53001FA23	0.0200	BEEF-FAT
358	53001FA24	0.0200	BEEF-FAT
358	53001FA25	0.0200	BEEF-FAT
358	53001KA21	0.0200	BEEF-KIDNEY
358	53001LA25	0.0200	BEEF-LIVER
358	53001LA31	0.0200	BEEF-LIVER
358	53001MA10	0.0200	BEEF-LEAN
358	53001MA21	0.0200	BEEF-LEAN
358	53001MA22	0.0200	BEEF-LEAN
358	53001MA23	0.0200	BEEF-LEAN
358	53001MA24	0.0200	BEEF-LEAN
358	53002BA00	0.0200	GOAT-MEAT
BYP			
358	53002BB00	0.0200	GOAT-OTH
ORGAN			
358	53002FA23	0.0200	GOAT-FAT
358	53002FA25	0.0200	GOAT-FAT
358	53002KA00	0.0200	GOAT-KIDNEY
358	53002LA00	0.0200	GOAT-LIVER
358	53002MA23	0.0200	GOAT-LEAN
358	53002MA25	0.0200	GOAT-LEAN
358	53003AA00	0.0200	HORSE
358	53005BA21	0.0200	SHEEP-MEAT
BYP			
358	53005BB21	0.0200	SHEEP-OTH
ORGAN			
358	53005FA21	0.0200	SHEEP-FAT
358	53005KA21	0.0200	SHEEP-KIDNEY
358	53005LA00	0.0200	SHEEP-LIVER
358	53005MA21	0.0200	SHEEP-LEAN
358	53005MA31	0.0200	SHEEP-LEAN
358	53006BA21	0.0200	PORK-MEAT
BYP			
358	53006BB21	0.0200	PORK-OTH
ORGAN			
358	53006BB26	0.0200	PORK-OTH
ORGAN			
358	53006FA10	0.0200	PORK-FAT
358	53006FA21	0.0200	PORK-FAT
358	53006FA23	0.0200	PORK-FAT
358	53006FA25	0.0200	PORK-FAT
358	53006FA26	0.0200	PORK-FAT
358	53006KA21	0.0200	PORK-KIDNEY
358	53006LA21	0.0200	PORK-LIVER
358	53006LA25	0.0200	PORK-LIVER
358	53006MA21	0.0200	PORK-LEAN
358	53006MA25	0.0200	PORK-LEAN
358	53006MA26	0.0200	PORK-LEAN
358	55008BA21	0.0200	TURKEY-BYP
358	55008BA26	0.0200	TURKEY-BYP
358	55008LA21	0.0200	TURKEY ORGAN
358	55008LA25	0.0200	TURKEY ORGAN
358	55008MA21	0.0200	TURKEY W/O
SKIN			
358	55008MA31	0.0200	TURKEY W/O
SKIN			
358	55008MA62	0.0200	TURKEY W/O
SKIN			
358	55008MB21	0.0200	TURKEY+SKIN
358	55008MB25	0.0200	TURKEY+SKIN
358	55008MC21	0.0200	
TURKEY-UNSPEC			
358	55013BA00	0.0200	
POULTRY,OTH-BYP			
358	55013LA25	0.0200	
POULTRY,ORGAN			
358	55013MA21	0.0200	
POULTRY,OTHER			
358	55014AA10	0.0200	EGGS-WHOLE
358	55014AA21	0.0200	EGGS-WHOLE

358 55014AA22 0.0200 EGGS-WHOLE
358 55014AA23 0.0200 EGGS-WHOLE
358 55014AA25 0.0200 EGGS-WHOLE
358 55014AB10 0.0200 EGGS-WHITE
ONLY
358 55014AB21 0.0200 EGGS-WHITE
ONLY
358 55014AB22 0.0200 EGGS-WHITE
ONLY
358 55014AB62 0.0200 EGGS-WHITE
ONLY
358 55014AB81 0.0200 EGGS-WHITE
ONLY
358 55014AC10 0.0200 EGGS-YOLK
ONLY
358 55014AC21 0.0200 EGGS-YOLK
ONLY
358 55014AC25 0.0200 EGGS-YOLK
ONLY
358 55014AC31 0.0200 EGGS-YOLK
ONLY
358 55015BA00 0.0200 CHICKEN-BYP
358 55015LA21 0.0200
CHICKEN-ORGAN
358 55015LA25 0.0200
CHICKEN-ORGAN
358 55015LA26 0.0200
CHICKEN-ORGAN
358 55015MA21 0.0200 CHICKEN-W/O
SKIN
358 55015MA22 0.0200 CHICKEN-W/O
SKIN
358 55015MA25 0.0200 CHICKEN-W/O
SKIN
358 55015MA31 0.0200 CHICKEN-W/O
SKIN
358 55015MA53 0.0200 CHICKEN-W/O
SKIN
358 55015MB21 0.0200 CHICKEN+SKIN
358 55015MB25 0.0200 CHICKEN+SKIN

TABLE 6

1DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION 12:52 Monday, March 24, 1997 62

*NAME: DIMETHOATE
*CASWELL NO: 358 CFR NO: CFR180.204
*CAS NO: 00060-51-5 SHAUGHNESSY NO: 035001
*STATUS CODES:
*RDV INFO: The LD value used in this analysis is 0.1 MG/KG of BODY WEIGHT/DAY
*FILE INFO: No Tolerance Data Are Used--Without User Modifications.

STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.
A	00000.0020	000008.000	000100	Subchronic	Human	Enzymatic	Minimum	
B	00000.0050	000002.000	000010	Subchronic	Dog	Enzymatic	Minimum	
C	00000.0714	000050.000	000100	Reprodctn	Mouse	Systemic	Minimum	

AR DATA: No User Modifications

-U.S. POP.--48 STATES

ESTIMATES BASED ON	ESTIMATED % OF POTENTIAL PERSON DAYS THAT ARE USER-DAYS	MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
TOLERANCES:	0.00	0.000000	0.00
ANTICIPATED RESIDUES:	99.80	0.012865	12.87

0 ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=

	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTICIPATED RESIDUES:	100	19	5	2	1	1	0	0	0	0	0	0	0	0	0	0	0

0INFANTS(<1 YEAR)

ESTIMATES BASED ON	ESTIMATED % OF POTENTIAL PERSON DAYS THAT ARE USER-DAYS	MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
TOLERANCES:	0.00	0.000000	0.00
ANTICIPATED RESIDUES:	93.23	0.035593	35.59

0 ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=

	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTICIPATED RESIDUES:	100	50	35	23	15	8	5	2	2	1	1	0	0	0	0	0	0

0CHILDREN(1-6 YRS)

ESTIMATES BASED ON	ESTIMATED % OF POTENTIAL PERSON DAYS THAT ARE USER-DAYS	MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
TOLERANCES:	0.00	0.000000	0.00
ANTICIPATED RESIDUES:	99.94	0.030232	30.23

0 ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=

	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTICIPATED RESIDUES:	100	51	29	14	7	4	2	1	1	0	0	0	0	0	0	0	0

1DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION 12:52 Monday, March 24, 1997 63

*NAME: DIMETHOATE		STUDY	RDV	NOEL	SF	STUDY TYPE	SPECIES	EFF. LEV.	CORE GRADE	DOC. NO.*
*CASWELL NO: 358	CFR NO: CFR180.204	A	00000.0020	000008.000	000100	Subchronic	Human	Enzymatic	Minimum	*
*CAS NO: 00060-51-5	SHAUGHNESSY NO: 035001	B	00000.0050	000002.000	000010	Subchronic	Dog	Enzymatic	Minimum	*
*STATUS CODES:		C	00000.0714	000050.000	000100	Reprodctn	Mouse	Systemic	Minimum	*

*RDV INFO: The LD value used in this analysis is 0.1 MG/KG of BODY WEIGHT/DAY *

FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

-FEMALES(13+ YRS)

	ESTIMATED % OF POTENTIAL	MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY	
ESTIMATES BASED ON	PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
TOLERANCES:	0.00	0.000000	0.00
ANTICIPATED RESIDUES:	99.85	0.009883	9.88

0 ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=

	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTICIPATED RESIDUES:	100	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0MALES(13+ YRS)

	ESTIMATED % OF POTENTIAL	MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY	
ESTIMATES BASED ON	PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
TOLERANCES:	0.00	0.000000	0.00
ANTICIPATED RESIDUES:	99.93	0.009188	9.19

0 ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=

	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
TOLERANCES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTICIPATED RESIDUES:	100	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

General U.S. Population

Exposure = RDV x X
= 0.1 x 1.2
High End Exposure = 0.12

MOE = Noel + Exposure
= 2.0 mg/kg/day + 0.12 mg/kg/day
MOE = 16.6

90

Infants (< 1 year)

Exposure = RDV x X
= 0.1 x 2
High End Exposure = 0.2

MOE = Noel + Exposure
= 2.0 mg/kg/day + 0.2 mg/kg/day
MOE = 10

Children (1-6 years)

Exposure = RDV x X
= 0.1 x 1.8
High End Exposure = 0.18

MOE = Noel + Exposure
= 2.0 mg/kg/day + 0.18 mg/kg/day
MOE = 11.1

Females (13+ Years):

Exposure = RDV x X
= 0.1 x 0.6
High End Exposure = 0.06

MOE = Noel + Exposure
= 2.0 mg/kg/day + 0.06 mg/kg/day
MOE = 33.3

Males (13+ Years):

Exposure = RDV x X
= 0.1 x 0.6
High End Exposure = 0.06

MOE = Noel + Exposure
= 2.0 mg/kg/day + 0.06 mg/kg/day
MOE = 33.3

358	01009AA10	1.0000	BLUEBERRIES
358	01009AA21	1.0000	BLUEBERRIES
358	01009AA22	1.0000	BLUEBERRIES
358	01009AA62	1.0000	BLUEBERRIES
358	01014AA10	1.0000	GRAPES-FRESH
358	01014AA21	1.0000	GRAPES-FRESH
358	01014AA31	1.0000	GRAPES-FRESH
358	01014DA10	1.0000	GRAPES-RAISINS
358	01014DA21	1.0000	GRAPES-RAISINS
358	01014DA22	1.0000	GRAPES-RAISINS
358	01014JA10	1.0000	GRAPES-JUICE
358	01014JA15	1.0000	GRAPES-JUICE
358	01014JA21	1.0000	GRAPES-JUICE
358	02002AA00	2.0000	GRAPEFRUIT-UNSP
358	02002AB10	2.0000	GRAPEFRUIT-PULP
358	02002AB21	2.0000	GRAPEFRUIT-PULP
358	02002JA15	2.0000	GRAPEFRUIT-JUICE
358	02002JA31	2.0000	GRAPEFRUIT-JUICE
358	02004AA10	2.0000	LEMONS-UNSPEC
358	02004AA22	2.0000	LEMONS-UNSPEC
358	02004AB10	2.0000	LEMONS-PULP
358	02004AB31	2.0000	LEMONS-PULP
358	02004HA10	2.0000	LEMONS-PEEL
358	02004HA21	2.0000	LEMONS-PEEL
358	02004JA10	2.0000	LEMONS-JUICE
358	02004JA15	2.0000	LEMONS-JUICE
358	02004JA21	2.0000	LEMONS-JUICE
358	02004JA31	2.0000	LEMONS-JUICE
358	02006AA00	2.0000	ORANGES-UNSPEC
358	02006AB10	2.0000	ORANGES-PULP
358	02006AB21	2.0000	ORANGES-PULP
358	02006HA21	2.0000	ORANGES-PEEL
358	02006HA22	2.0000	ORANGES-PEEL
358	02006HA31	2.0000	ORANGES-PEEL
358	02006JA15	2.0000	ORANGES-JUICE
358	02006JA31	2.0000	ORANGES-JUICE
358	02008AA10	2.0000	TANGERINES
358	02008JA15	2.0000	TANGERINE-JUICE
358	03008AA10	0.1000	PECANS
358	03008AA21	0.1000	PECANS
358	03008AA22	0.1000	PECANS
358	03008AA23	0.1000	PECANS
358	03008AA62	0.1000	PECANS
358	04001AA10	2.0000	APPLES-FRESH
358	04001AA21	2.0000	APPLES-FRESH
358	04001AA31	2.0000	APPLES-FRESH
358	04001AA62	2.0000	APPLES-FRESH
358	04001DA10	2.0000	APPLES-DRIED
358	04001DA22	2.0000	APPLES-DRIED
358	04001DA62	2.0000	APPLES-DRIED
358	04001JA15	2.0000	APPLES-JUICE
358	04001JA31	2.0000	APPLES-JUICE
358	04003AA10	2.0000	PEARS-FRESH
358	04003AA31	2.0000	PEARS-FRESH
358	04003AA51	2.0000	PEARS-FRESH
358	04003AA62	2.0000	PEARS-FRESH
358	04003DA10	2.0000	PEARS-DRIED
358	04003DA21	2.0000	PEARS-DRIED
358	05002AA10	2.0000	CHERRIES-FRESH
358	05002AA21	2.0000	CHERRIES-FRESH
358	05002AA31	2.0000	CHERRIES-FRESH
358	05002AA62	2.0000	CHERRIES-FRESH
358	05002DA00	2.0000	CHERRIES-DRIED
358	05002JA15	2.0000	CHERRIES-JUICE
358	05002JA21	2.0000	CHERRIES-JUICE
358	10002AA00	1.0000	CANTALOUPES-UNSP
358	10002AB10	1.0000	CANTALOUPES-PULP
358	10002AB21	1.0000	CANTALOUPES-PULP
358	10003AA10	1.0000	CASABAS
358	10004AA00	1.0000	CRENSHAWS
358	10005AA10	1.0000	HONEYDEW MELONS
358	10007AA00	1.0000	PERSION MELONS
358	10008AA10	1.0000	WATERMELON
358	10008AA21	1.0000	WATERMELON
358	11003AA10	2.0000	PEPPERS,SWEET
358	11003AA21	2.0000	PEPPERS,SWEET
358	11003AB00	2.0000	CHILI PEPPERS
358	11003AD10	2.0000	PEPPERS-OTHER
358	11003AD21	2.0000	PEPPERS-OTHER
358	11003AD51	2.0000	PEPPERS-OTHER
358	11004AA10	2.0000	PIMIENTOS
358	11004AA21	2.0000	PIMIENTOS
358	11004AA31	2.0000	PIMIENTOS
358	11005AA10	2.0000	TOMATOES-WHOLE
358	11005AA21	2.0000	TOMATOES-WHOLE
358	11005AA31	2.0000	TOMATOES-WHOLE
358	11005JA10	2.0000	TOMATOES-JUICE
358	11005JA21	2.0000	TOMATOES-JUICE
358	11005RA10	2.0000	TOMATOES-PUREE
358	11005RA21	2.0000	TOMATOES-PUREE
358	11005RA31	2.0000	TOMATOES-PUREE
358	11005RA32	2.0000	TOMATOES-PUREE
358	11005RA51	2.0000	TOMATOES-PUREE
358	11005TA21	2.0000	TOMATOES-PASTE
358	11005TA22	2.0000	TOMATOES-PASTE
358	11005TA31	2.0000	TOMATOES-PASTE
358	11005UA21	2.0000	

TOMATOES-CATSUP
358 13002AA10 2.0000 CELERY
358 13002AA21 2.0000 CELERY
358 13005AA21 2.0000 BROCCOLI
358 13005AA31 2.0000 BROCCOLI
358 13005AA63 2.0000 BROCCOLI
358 13006AA21 5.0000 BRUSSEL
SPROUTS
358 13006AA23 5.0000 BRUSSEL
SPROUTS
358 13007AA10 2.0000 CABBAGE
358 13007AA11 2.0000 CABBAGE
358 13007AA21 2.0000 CABBAGE
358 13008AA10 2.0000 CAULIFLOWER
358 13008AA21 2.0000 CAULIFLOWER
358 13009AA51 2.0000 COLLARDS
358 13009AA63 2.0000 COLLARDS
358 13010AA10 2.0000
CABBAGE-CHINESE
358 13010AA21 2.0000
CABBAGE-CHINESE
358 13011AA63 2.0000 KALE
358 13013AA10 2.0000
LETTUCE-LEAFY
358 13015AA10 2.0000 ENDIVE
358 13015AA21 2.0000 ENDIVE
358 13016AA00 2.0000 FENNEL
358 13020AA10 2.0000
LETTUCE-UNSPEC
358 13021AA21 2.0000 MUSTARD
GREENS
358 13021AA63 2.0000 MUSTARD
GREENS
358 13024AA10 2.0000 SPINACH
358 13024AA21 2.0000 SPINACH
358 13024AA31 2.0000 SPINACH
358 13025AA10 2.0000 SWISS CHARD
358 13025AA31 2.0000 SWISS CHARD
358 13025AA63 2.0000 SWISS CHARD
358 13026AA10 2.0000 TURNIPS-TOPS
358 13026AA21 2.0000 TURNIPS-TOPS
358 13026AA31 2.0000 TURNIPS-TOPS
358 13045AA10 2.0000 LETTUCE-HEAD
358 13045AA21 2.0000 LETTUCE-HEAD
358 14013AA10 0.2000
POTATO(WH)-WHOLE
358 14013AA21 0.2000
POTATO(WH)-WHOLE
358 14013AA22 0.2000
POTATO(WH)-WHOLE
358 14013AB22 0.2000
POTATO(WH)-UNSPE
358 14013AC21 0.2000
POTATO(WH)-PULP
358 14013AC22 0.2000
POTATO(WH)-PULP
358 14013AC23 0.2000
POTATO(WH)-PULP
358 14013AC25 0.2000
POTATO(WH)-PULP
358 14013DA10 0.2000
POTATO(WH)-DRY
358 14013DA31 0.2000
POTATO(WH)-DRY
358 14013HA22 0.2000
POTATO(WH)-PEEL
358 14019AA10 0.0200
TURNIPS-ROOTS
358 14019AA21 0.0200
TURNIPS-ROOTS
358 15001AA00 2.0000
BEANS-DRY-GRT NO
358 15001AB21 2.0000
BEANS-DRY-KIDNEY
358 15001AB31 2.0000
BEANS-DRY-KIDNEY
358 15001AC21 2.0000
BEANS-DRY-LIMA
358 15001AD21 2.0000
BEANS-DRY-NAVY
358 15001AD31 2.0000
BEANS-DRY-NAVY
358 15001AE21 2.0000
BEANS-DRY-OTHER
358 15001AE25 2.0000
BEANS-DRY-OTHER
358 15001AE31 2.0000
BEANS-DRY-OTHER
358 15001AF21 2.0000
BEANS-DRY-PINTO
358 15002AA10 2.0000
BEANS-SUCC-LIMA
358 15002AA21 2.0000
BEANS-SUCC-LIMA
358 15003AA21 2.0000
BEANS-SUCC-GREEN
358 15007AA21 2.0000 PEAS
DRY-GARDEN
358 15007AA31 2.0000 PEAS
DRY-GARDEN
358 15009AA21 2.0000 PEAS
SUCC-GARDEN
358 15009AA31 2.0000 PEAS
SUCC-GARDEN
358 15013AA10 2.0000 MUNG BEANS
358 15013AA21 2.0000 MUNG BEANS
358 15022AA00 2.0000
BEANS-DRY-BROAD
358 15023AA21 2.0000
BEANS-DRY-PIGEON
358 15029AA00 0.0500
SOYBEAN-SPROUTED
358 15030AA00 2.0000
BEANS-DRY-HYAC
358 15031AA21 2.0000 BLKEYE
PEAS-DRY
358 15032AA21 2.0000 BEANS-DRY
358 15032AA31 2.0000 BEANS-DRY
358 16002AA21 0.1500 ASPARAGUS
358 16002AA23 0.1500 ASPARAGUS
358 24002EA10 0.1000
CORN,GRAIN-ENDO
358 24002EA21 0.1000
CORN,GRAIN-ENDO
358 24002EA22 0.1000
CORN,GRAIN-ENDO
358 24002EA23 0.1000
CORN,GRAIN-ENDO
358 24002HA00 0.1000
CORN,GRAIN-BRAN
358 24002SA10 0.1000 CORN SUGAR
358 24002SA21 0.1000 CORN SUGAR
358 24002SA22 0.1000 CORN SUGAR
358 24006AA00 0.1000 SORGHUM
358 24007AA10 0.0400 WHEAT-ROUGH
358 24007AA21 0.0400 WHEAT-ROUGH
358 24007AA22 0.0400 WHEAT-ROUGH
358 24007AA23 0.0400 WHEAT-ROUGH
358 24007GA10 0.0400 WHEAT-GERM
358 24007GA22 0.0400 WHEAT-GERM
358 24007HA10 0.0400 WHEAT-BRAN
358 24007HA21 0.0400 WHEAT-BRAN