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

APR 28 1992

MEMORANDUM

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

SUBJECT: RfD Exceeders Project: Dietary Exposure Analysis for Methyl Parathion

FROM: Stephen A. Schaible *SA Schaible*
Dietary Exposure Section
HED/SACB (H7509C)

TO: Jack Housenger, Acting Chief
Special Review Branch
Special Review and Reregistration Division (H7508W)

THROUGH: James P. Kariya, Chief *JKariya*
Dietary Exposure Section
Health Effects Division *WJ*

As part of the RfD Exceeders Project, the Dietary Exposure Section was requested by SRRD to perform a dietary exposure analysis for methyl parathion using percent of crop treated information supplied by BEAD and anticipated residues supplied by Chemistry Branch II- Reregistration Support.

Toxicological Endpoints

The DRES chronic exposure analysis used a Reference Dose (RfD) of 0.00025 mg/kg body weight/day, based on a no observed effect level (NOEL) of 0.025 mg/kg bwt/day and an uncertainty factor of 100. The RfD is taken from a two year feeding study in rats which demonstrated as effects decreased red blood cell cholinesterase and reduced hematocrit and hemoglobin. This RfD has been approved by the HED (10/10/86) and Agency (12/9/86) RfD committees, but is considered tentative, pending evaluation of sciatic nerve effects.

Residue Information

Food uses evaluated in this analysis were the published uses of methyl and ethyl parathion as listed in 40 CFR 180.121, as well as milk and eggs, which do not presently have any tolerances for use of methyl parathion. Combined residues for methyl and ethyl parathion exist in the CFR because enforcement analytical methods capable of separating the homologues did not exist at the time the tolerances were published (S. Funk memo dated 2/27/92). Percent of crop treated information used in the analysis was supplied by BEAD in a PQUA of methyl parathion (F. Hernandez, 10/18/91). These estimates reflect in part the effect that the proposed cancellation of the



remaining nine uses of parathion would have on the use of methyl parathion.

Anticipated residues used in this analysis were supplied by Chemistry Branch II- Reregistration Support (S. Funk memo dated 2/27/92), and were determined using FDA domestic and import compliance monitoring data. The residues used in the DRES analysis are found in Table 1 of the Funk memo, in the column titled "AR-Upper 95% CL". Residues were determined such that, assuming a log normal distribution of the FDA data, no more than five percent of residues are predicted to be in excess of the anticipated residue level. Percent of crop treated estimates were incorporated into the residue values by assuming one half of the limit of detection (0.005 ppm, for dimethoate and its oxygen analogue combined) for a portion of the FDA data, so that the ratio of detectable residues plus non-detectable residues assumed at 0.005 ppm to the total number of residue samples (in the FDA data) for each commodity equalled the percent of crop treated value supplied by BEAD for that commodity (for further discussion of the method by which Chemistry determined the residue values, see M. Metzger memo on ARs for dimethoate, dated 3/2/92). Where anticipated residues were used in the DRES analysis, percent of crop treated estimates were not used and one hundred percent crop treated was assumed, the reasoning being that percent of crop treated estimates are already factored into the anticipated residues themselves. For those commodities for which anticipated residues were not supplied, tolerance level residues and percent crop treated information were used to calculate dietary exposure.

Though no tolerances are established for animal commodities, radioactive methyl parathion was found in poultry tissues in a poultry metabolism study (S. Funk, 2/27/92). Based on the residue data base available to CBRS at this time the calculation of residues for meat or poultry commodities is inappropriate, but enough FDA data was available to calculate anticipated residues of methyl parathion in milk and eggs. These residue values were used in the analysis even though there are presently no published tolerances for these commodities.

In the DRES analysis, a residue of 0.0005 ppm was used for wheat flour, instead of the residue of 0.000 ppm listed in Table 1 of the Chemistry memo (as per instructions of M. Metzger, personal communication, 3/9/92). Also, for the most part, when a residue was given for a commodity in the Chemistry memo, it was generally applied to all of the "food items" for that commodity in DRES regardless of whether only specific food items were listed in the Chemistry memo. Some exceptions to this were "onions-dry bulb", "turnips-tops", and "beets-roots", which were mapped specifically to their comparable DRES food items. A summary of the residue information used in this analysis is attached as Table 1.

DRES Analysis

The DRES chronic exposure analysis used anticipated residues and some percent crop treated information to estimate the

Anticipated Residue Contribution (ARC) for the overall U.S. population and 22 population subgroups. The Theoretical Maximum Residue Contribution (TMRC) was calculated for the overall population and these subgroups as well, but is considered a more rough ("worst case") estimate of exposure than the ARC. The ARC for the overall U.S. population from published uses of methyl parathion (plus residues in milk and eggs) is 0.000655 mg/kg bwt/day, which represents 262% of the RfD. The Reference Dose is exceeded by the ARC in every subgroup, and the subgroup most highly exposed, children ages one through six, has an ARC of 0.001504 mg/kg bwt/day, or 602% of the RfD. A summary of the TMRCs, the ARCs, and their representations as percentages of the RfD is attached as Table 2.

As these dietary exposure estimates reflect, methyl parathion is still an RfD exceeder even after percent of crop treated and residue refinements are employed. However, one should note that exposure from milk and eggs are included in these estimates, even though there are no published tolerances for these uses, with 44% of the RfD (0.000110 mg/kg bwt/day) being taken up by these two commodities. So the percent of RfD contributed to the overall population from present published uses would be around 218%, instead of 262%. There is also still possible overestimation of the dietary exposure due to the assumptions of 100 percent crop treated and/or tolerance level residues for those commodities in the database for which refinements in these inputs were not supplied.

Besides milk and eggs, the largest contributors of exposure to the overall U.S. population were cane sugar and legume vegetables, which together constituted about 150% of the 218% contributed from published uses. Anticipated residues were not generated for these commodities, and this is a possible step that can be taken to further refine the dietary exposure estimate for this pesticide.

Attachments

cc: DES, CBRS, Tox 2, P. Parsons, E. Budd, Caswell # 372

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PCT and ARs (FDA MON)

TABLE 1

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 03/09/92

PAGE: 1

CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Methyl parathion Caswell #372 CAS No. 298-00-0 A.I. CODE: 053501 CFR No. 180.121		2yr feeding- rat		Decr RBC ChE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of oncogenicity in mice; rats pending.		PADI UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250		Chronic feeding- dog (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.		HED complete 10/10/86. EPA verified 12/09/86. WHO last reviewed 1984. On IRIS.	
		NOEL= 0.0250 mg/kg 0.50 ppm									
		LEL= 0.2500 mg/kg 5.00 ppm									
		ONCO: Negative- 1 species									
FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)			
01002AA	BLACKBERRIES	10 RAW-FRESH OR NFS	P 1.000000	P 1.000000	0.007000	FDA MON	100.00	0.007000			
01002AA	BLACKBERRIES	21 COOKED-NFS	P 1.000000	P 1.000000	0.007000	FDA MON	100.00	0.007000			
01002AA	BLACKBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	P 1.000000	0.007000	FDA MON	100.00	0.007000			
01003AA	BOYSENBERRIES	10 RAW-FRESH OR NFS	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01004AA	DEWBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01005AA	LOGANBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01006AA	RASPBERRIES	10 RAW-FRESH OR NFS	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01006AA	RASPBERRIES	15 RAW-FRESH OR CANNED	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01006AA	RASPBERRIES	31 COOKED-FRESH OR CANNED	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01006AA	RASPBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01006AA	RASPBERRIES	70 RAW-FROZEN	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01007AA	YOUNGBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS	P 1.000000	P 1.000000	0.009000	FDA MON	100.00	0.009000			
01009AA	BLUEBERRIES	21 COOKED-NFS	P 1.000000	P 1.000000	0.009000	FDA MON	100.00	0.009000			
01009AA	BLUEBERRIES	22 COOKED-FRESH-BAKED	P 1.000000	P 1.000000	0.009000	FDA MON	100.00	0.009000			
01009AA	BLUEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	P 1.000000	0.009000	FDA MON	100.00	0.009000			
01010AA	CRANBERRIES	10 RAW-FRESH OR NFS	P 1.000000	P 1.000000	0.029000	FDA MON	100.00	0.029000			
01010AA	CRANBERRIES	21 COOKED-NFS	P 1.000000	P 1.000000	0.029000	FDA MON	100.00	0.029000			
01010AA	CRANBERRIES	31 COOKED-FRESH OR CANNED	P 1.000000	P 1.000000	0.029000	FDA MON	100.00	0.029000			
01010JA	CRANBERRY-JUICE	15 RAW-FRESH OR CANNED	P 1.000000	P 1.000000	0.029000	FDA MON	100.00	0.029000			
01010JA	CRANBERRY-JUICE	31 COOKED-FRESH OR CANNED	P 1.000000	P 1.000000	0.029000	FDA MON	100.00	0.029000			
01011AA	CURRENTS	10 RAW-FRESH OR NFS	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01011AA	CURRENTS	21 COOKED-NFS	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01011AA	CURRENTS	22 COOKED-FRESH-BAKED	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01013AA	GOOSEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS	P 1.000000	P 1.000000	1.000000		4.00	0.040000			
01014AA	GRAPES-FRESH	21 COOKED-NFS	P 1.000000	P 1.000000	1.000000		4.00	0.040000			
01014AA	GRAPES-FRESH	31 COOKED-FRESH OR CANNED	P 1.000000	P 1.000000	1.000000		4.00	0.040000			
01014DA	GRAPES-RAISINS	10 RAW-FRESH OR NFS	P 1.000000	P 1.000000	1.000000		4.00	0.040000			
01014DA	GRAPES-RAISINS	21 COOKED-NFS	P 1.000000	P 1.000000	1.000000		4.00	0.040000			
01014DA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED	P 1.000000	P 1.000000	1.000000		4.00	0.040000			
01014JA	GRAPES-JUICE	10 RAW-FRESH OR NFS	P 1.000000	P 1.000000	1.000000		4.00	0.040000			
01014JA	GRAPES-JUICE	15 RAW-FRESH OR CANNED	P 1.000000	P 1.000000	1.000000		4.00	0.040000			
01014JA	GRAPES-JUICE	21 COOKED-NFS	P 1.000000	P 1.000000	1.000000		4.00	0.040000			
01015AA	HUCKLEBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
01016AA	STRAWBERRIES	10 RAW-FRESH OR NFS	P 1.000000	P 1.000000	1.000000		5.00	0.050000			
01016AA	STRAWBERRIES	21 COOKED-NFS	P 1.000000	P 1.000000	1.000000		5.00	0.050000			
01016AA	STRAWBERRIES	70 RAW-FROZEN	P 1.000000	P 1.000000	1.000000		5.00	0.050000			
02001AA	CITRUS CITRON	22 COOKED-FRESH-BAKED	P 1.000000	P 1.000000	1.000000		100.00	1.000000			
02002AA	GRAPEFRUIT-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	P 1.000000	0.008000	FDA MON	100.00	0.008000			

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ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 03/09/92

PAGE: 2

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methyl parathion Caswell #372 CAS No. 298-00-0 A.I. CODE: 053501 CFR No. 180.121	2yr feeding- rat NOEL= 0.0250 mg/kg 0.50 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: Negative- 1 species	Decr RBC ChE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of oncogenicity in mice; rats pending.	PADI UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250	Chronic feeding- dog (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.	HED complete 10/10/86. EPA verified 12/09/86. WHO last reviewed 1984. 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)
02002AB	GRAPEFRUIT-PULP	10 RAW-FRESH OR NFS	P 1.000000		0.008000	FDA MON	100.00	0.008000
02002AB	GRAPEFRUIT-PULP	21 COOKED-NFS	P 1.000000		0.008000	FDA MON	100.00	0.008000
02002JA	GRAPEFRUIT-JUICE	15 RAW-FRESH OR CANNED	P 1.000000		0.008000	FDA MON	100.00	0.008000
02002JA	GRAPEFRUIT-JUICE	31 COOKED-FRESH OR CANNED	P 1.000000		0.008000	FDA MON	100.00	0.008000
02003AA	KUMQUATS	10 RAW-FRESH OR NFS	P 1.000000		1.000000	FDA MON	100.00	1.000000
02004AA	LEMONS-UNSPEC	10 RAW-FRESH OR NFS	P 1.000000		0.009000	FDA MON	100.00	0.009000
02004AA	LEMONS-UNSPEC	22 COOKED-FRESH-BAKED	P 1.000000		0.009000	FDA MON	100.00	0.009000
02004AB	LEMONS-PULP	10 RAW-FRESH OR NFS	P 1.000000		0.009000	FDA MON	100.00	0.009000
02004HA	LEMONS-PEEL	31 COOKED-FRESH OR CANNED	P 1.000000		0.009000	FDA MON	100.00	0.009000
02004HA	LEMONS-PEEL	10 RAW-FRESH OR NFS	P 1.000000		0.009000	FDA MON	100.00	0.009000
02004HA	LEMONS-PEEL	21 COOKED-NFS	P 1.000000		0.009000	FDA MON	100.00	0.009000
02004JA	LEMONS-JUICE	10 RAW-FRESH OR NFS	P 1.000000		0.009000	FDA MON	100.00	0.009000
02004JA	LEMONS-JUICE	15 RAW-FRESH OR CANNED	P 1.000000		0.009000	FDA MON	100.00	0.009000
02004JA	LEMONS-JUICE	21 COOKED-NFS	P 1.000000		0.009000	FDA MON	100.00	0.009000
02004JA	LEMONS-JUICE	31 COOKED-FRESH OR CANNED	P 1.000000		0.009000	FDA MON	100.00	0.009000
02005AA	LIMES-UNSPEC	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000		0.010000	FDA MON	100.00	0.010000
02005AB	LIMES-PULP	10 RAW-FRESH OR NFS	P 1.000000		0.010000	FDA MON	100.00	0.010000
02005HA	LIMES-PEEL	21 COOKED-NFS	P 1.000000		0.010000	FDA MON	100.00	0.010000
02005JA	LIMES-JUICE	10 RAW-FRESH OR NFS	P 1.000000		0.010000	FDA MON	100.00	0.010000
02005JA	LIMES-JUICE	15 RAW-FRESH OR CANNED	P 1.000000		0.010000	FDA MON	100.00	0.010000
02005JA	LIMES-JUICE	31 COOKED-FRESH OR CANNED	P 1.000000		0.010000	FDA MON	100.00	0.010000
02006AA	ORANGES-UNSPEC	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000		0.008000	FDA MON	100.00	0.008000
02006AB	ORANGES-PULP	10 RAW-FRESH OR NFS	P 1.000000		0.008000	FDA MON	100.00	0.008000
02006HA	ORANGES-PEEL	21 COOKED-NFS	P 1.000000		0.008000	FDA MON	100.00	0.008000
02006HA	ORANGES-PEEL	22 COOKED-FRESH-BAKED	P 1.000000		0.008000	FDA MON	100.00	0.008000
02006HA	ORANGES-PEEL	31 COOKED-FRESH OR CANNED	P 1.000000		0.008000	FDA MON	100.00	0.008000
02006JA	ORANGES-JUICE	15 RAW-FRESH OR CANNED	P 1.000000		0.008000	FDA MON	100.00	0.008000
02006JA	ORANGES-JUICE	31 COOKED-FRESH OR CANNED	P 1.000000		0.008000	FDA MON	100.00	0.008000
02007AA	TANGELOS	10 RAW-FRESH OR NFS	P 1.000000		1.000000	FDA MON	100.00	1.000000
02008AA	TANGERINES	10 RAW-FRESH OR NFS	P 1.000000		0.015000	FDA MON	100.00	0.015000
02008JA	TANGERINE-JUICE	15 RAW-FRESH OR CANNED	P 1.000000		0.015000	FDA MON	100.00	0.015000
03001AA	ALMONDS	10 RAW-FRESH OR NFS	P 1.000000		0.100000	FDA MON	100.00	0.100000
03001AA	ALMONDS	21 COOKED-NFS	P 1.000000		0.100000	FDA MON	100.00	0.100000
03001AA	ALMONDS	22 COOKED-FRESH-BAKED	P 1.000000		0.100000	FDA MON	100.00	0.100000
03005AA	FILBERTS	10 RAW-FRESH OR NFS	P 1.000000		0.100000	FDA MON	100.00	0.100000
03005AA	FILBERTS	21 COOKED-NFS	P 1.000000		0.100000	FDA MON	100.00	0.100000
03005AA	FILBERTS	22 COOKED-FRESH-BAKED	P 1.000000		0.100000	FDA MON	100.00	0.100000
03008AA	PECANS	10 RAW-FRESH OR NFS	P 1.000000		0.100000	FDA MON	100.00	0.100000
03008AA	PECANS	21 COOKED-NFS	P 1.000000		0.100000	FDA MON	1.00	0.001000
03008AA	PECANS		P 1.000000		0.100000	FDA MON	1.00	0.001000

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DATE: 03/09/92

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

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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)
03008AA	PECANS	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.100000		1.00	0.001000
03008AA	PECANS	23 COOKED-FRESH-BOILED	1F1091	P 0.100000	0.100000		1.00	0.001000
03008AA	PECANS	62 COOKED-FRESH OR FROZEN-BAKED	1F1091	P 0.100000	0.100000		1.00	0.001000
03009AA	WALNUTS	10 RAW-FRESH OR NFS	1F1091	P 0.100000	0.100000		100.00	0.100000
03009AA	WALNUTS	21 COOKED-NFS	1F1091	P 0.100000	0.100000		100.00	0.100000
03009AA	WALNUTS	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.100000		100.00	0.100000
04001AA	APPLES-FRESH	10 RAW-FRESH OR NFS		P 1.000000	0.008000	FDA MON	100.00	0.008000
04001AA	APPLES-FRESH	21 COOKED-NFS		P 1.000000	0.008000	FDA MON	100.00	0.008000
04001AA	APPLES-FRESH	31 COOKED-FRESH OR CANNED		P 1.000000	0.008000	FDA MON	100.00	0.008000
04001AA	APPLES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED		P 1.000000	0.008000	FDA MON	100.00	0.008000
04001DA	APPLES-DRIED	10 RAW-FRESH OR NFS		P 1.000000	0.008000	FDA MON	100.00	0.008000
04001DA	APPLES-DRIED	22 COOKED-FRESH-BAKED		P 1.000000	0.008000	FDA MON	100.00	0.008000
04001DA	APPLES-DRIED	62 COOKED-FRESH OR FROZEN-BAKED		P 1.000000	0.008000	FDA MON	100.00	0.008000
04001JA	APPLES-JUICE	15 RAW-FRESH OR CANNED		P 1.000000	0.006000	FDA MON	100.00	0.006000
04001JA	APPLES-JUICE	31 COOKED-FRESH OR CANNED		P 1.000000	0.006000	FDA MON	100.00	0.006000
04003AA	PEARS-FRESH	10 RAW-FRESH OR NFS		P 1.000000	0.006000	FDA MON	100.00	0.006000
04003AA	PEARS-FRESH	31 COOKED-FRESH OR CANNED		P 1.000000	0.006000	FDA MON	100.00	0.006000
04003AA	PEARS-FRESH	51 COOKED-CANNED		P 1.000000	0.006000	FDA MON	100.00	0.006000
04003AA	PEARS-FRESH	62 COOKED-FRESH OR FROZEN-BAKED		P 1.000000	0.006000	FDA MON	100.00	0.006000
04003DA	PEARS-DRIED	10 RAW-FRESH OR NFS		P 1.000000	0.006000	FDA MON	100.00	0.006000
04003DA	PEARS-DRIED	21 COOKED-NFS		P 1.000000	0.006000	FDA MON	100.00	0.006000
04004AA	QUINCES	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		100.00	1.000000
05001AA	APRICOTS-FRESH	10 RAW-FRESH OR NFS		P 1.000000	0.011000	FDA MON	100.00	0.011000
05001AA	APRICOTS-FRESH	21 COOKED-NFS		P 1.000000	0.011000	FDA MON	100.00	0.011000
05001AA	APRICOTS-FRESH	31 COOKED-FRESH OR CANNED		P 1.000000	0.011000	FDA MON	100.00	0.011000
05001DA	APRICOTS-DRIED	10 RAW-FRESH OR NFS		P 1.000000	0.011000	FDA MON	100.00	0.011000
05001DA	APRICOTS-DRIED	22 COOKED-FRESH-BAKED		P 1.000000	0.011000	FDA MON	100.00	0.011000
05002AA	CHERRIES-FRESH	10 RAW-FRESH OR NFS		P 1.000000	0.009000	FDA MON	100.00	0.009000
05002AA	CHERRIES-FRESH	21 COOKED-NFS		P 1.000000	0.009000	FDA MON	100.00	0.009000
05002AA	CHERRIES-FRESH	31 COOKED-FRESH OR CANNED		P 1.000000	0.009000	FDA MON	100.00	0.009000
05002AA	CHERRIES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED		P 1.000000	0.009000	FDA MON	100.00	0.009000
05002DA	CHERRIES-DRIED	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	0.009000	FDA MON	100.00	0.009000
05002DA	CHERRIES-DRIED	15 RAW-FRESH OR CANNED		P 1.000000	0.009000	FDA MON	100.00	0.009000
05002JA	CHERRIES-JUICE	21 COOKED-NFS		P 1.000000	0.009000	FDA MON	100.00	0.009000
05002JA	CHERRIES-JUICE	10 RAW-FRESH OR NFS		P 1.000000	0.007000	FDA MON	100.00	0.007000
05003AA	NECTARINES	10 RAW-FRESH OR NFS		P 1.000000	0.009000	FDA MON	100.00	0.009000
05004AA	PEACHES-FRESH	10 RAW-FRESH OR NFS		P 1.000000	0.009000	FDA MON	100.00	0.009000
05004AA	PEACHES-FRESH	21 COOKED-NFS		P 1.000000	0.009000	FDA MON	100.00	0.009000
05004AA	PEACHES-FRESH	31 COOKED-FRESH OR CANNED		P 1.000000	0.009000	FDA MON	100.00	0.009000
05004AA	PEACHES-FRESH	51 COOKED-CANNED		P 1.000000	0.009000	FDA MON	100.00	0.009000
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS		P 1.000000	0.009000	FDA MON	100.00	0.009000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methyl parathion Caswell #372 CAS No. 298-00-0 A.I. CODE: 053501 CFR No. 180.121	2yr feeding- rat NOEL= 0.0250 mg/kg 0.50 ppm LEL= 0.2500 mg/kg 5.00. ppm ONCO: Negative- 1 species	Decr RBC CHE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of oncogenicity in mice; rats pending.	PADI UF --> 100 OPP RfD= 0.000250 EPA RfD= 0.000250	Chronic feeding- dog Chronic feeding- rat (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.	HED complete 10/10/86. EPA verified 12/09/86. WHO last reviewed 1984. 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)
05004DA	PEACHES-DRIED	21 COOKED-NFS		P 1.000000	0.009000	FDA MON	100.00	0.009000
05005AA	PLUMS-FRESH	10 RAW-FRESH OR NFS		P 1.000000	0.006000	FDA MON	100.00	0.006000
05005AA	PLUMS-FRESH	31 COOKED-FRESH OR CANNED		P 1.000000	0.006000	FDA MON	100.00	0.006000
05005DA	PLUMS-PRUNES	10 RAW-FRESH OR NFS		P 1.000000	0.006000	FDA MON	100.00	0.006000
05005DA	PLUMS-PRUNES	P1 COOKED-NFS		P 1.000000	0.006000	FDA MON	100.00	0.006000
05005DA	PLUMS-PRUNES	31 COOKED-FRESH OR CANNED		P 1.000000	0.006000	FDA MON	100.00	0.006000
05005JA	PRUNE-JUICE	10 RAW-FRESH OR NFS		P 1.000000	0.006000	FDA MON	100.00	0.006000
05005JA	PRUNE-JUICE	62 COOKED-FRESH OR FROZEN-BAKED		P 1.000000	0.006000	FDA MON	100.00	0.006000
06001AA	AVOCADOS	10 RAW-FRESH OR NFS		P 1.000000	0.015000	FDA MON	100.00	0.015000
06004AA	DATES	10 RAW-FRESH OR NFS		P 1.000000	1.000000	FDA MON	100.00	1.000000
06004AA	DATES	21 COOKED-NFS		P 1.000000	1.000000	FDA MON	100.00	1.000000
06004AA	DATES	22 COOKED-FRESH-BAKED		P 1.000000	1.000000	FDA MON	100.00	1.000000
06005AA	FIGS	10 RAW-FRESH OR NFS		P 1.000000	1.000000	FDA MON	100.00	1.000000
06005AA	FIGS	21 COOKED-NFS		P 1.000000	1.000000	FDA MON	100.00	1.000000
06005AA	FIGS	22 COOKED-FRESH-BAKED		P 1.000000	1.000000	FDA MON	100.00	1.000000
06006AA	GUAVA	10 RAW-FRESH OR NFS		P 1.000000	1.000000	FDA MON	100.00	1.000000
06006AA	GUAVA	21 COOKED-NFS		P 1.000000	1.000000	FDA MON	100.00	1.000000
06006AA	GUAVA	62 COOKED-FRESH OR FROZEN-BAKED		P 1.000000	1.000000	FDA MON	100.00	1.000000
06007AA	MANGOES	10 RAW-FRESH OR NFS		P 1.000000	1.000000	FDA MON	100.00	1.000000
06007AA	MANGOES	21 COOKED-NFS		P 1.000000	1.000000	FDA MON	100.00	1.000000
06009AA	OLIVES	10 RAW-FRESH OR NFS	32	P 1.000000	1.000000	FDA MON	100.00	1.000000
06009AA	OLIVES	11 RAW-FRESH-PICKLED, CORNED, OR CURED	32	P 1.000000	1.000000	FDA MON	100.00	1.000000
06009AA	OLIVES	21 COOKED-NFS	32	P 1.000000	1.000000	FDA MON	100.00	1.000000
06013AA	PINEAPPLE-PULP	10 RAW-FRESH OR NFS		P 1.000000	0.008000	FDA MON	100.00	0.008000
06013AA	PINEAPPLE-PULP	21 COOKED-NFS		P 1.000000	0.008000	FDA MON	100.00	0.008000
06013AA	PINEAPPLE-PULP	31 COOKED-FRESH OR CANNED		P 1.000000	0.008000	FDA MON	100.00	0.008000
06013DA	PINEAPPLE-DRIED	10 RAW-FRESH OR NFS		P 1.000000	0.008000	FDA MON	100.00	0.008000
06013JA	PINEAPPLE-JUICE	10 RAW-FRESH OR NFS		P 1.000000	0.008000	FDA MON	100.00	0.008000
06013JA	PINEAPPLE-JUICE	15 RAW-FRESH OR CANNED		P 1.000000	0.008000	FDA MON	100.00	0.008000
06013JA	PINEAPPLE-JUICE	21 COOKED-NFS		P 1.000000	0.008000	FDA MON	100.00	0.008000
06013JA	PINEAPPLE-JUICE	31 COOKED-FRESH OR CANNED		P 1.000000	0.008000	FDA MON	100.00	0.008000
08020AA	HOPS	21 COOKED-NFS	32	P 1.000000	1.000000	FDA MON	100.00	1.000000
08028AA	MUSTARD SEED	11 RAW-FRESH-PICKLED, CORNED, OR CURED	3E1302	P 0.200000	0.200000		100.00	0.200000
08028AA	MUSTARD SEED	21 COOKED-NFS	3E1302	P 0.200000	0.200000		100.00	0.200000
10002AA	CANTALOUPE-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	0.006000	FDA MON	100.00	0.006000
10002AB	CANTALOUPE-PULP	10 RAW-FRESH OR NFS		P 1.000000	0.006000	FDA MON	100.00	0.006000
10002AB	CANTALOUPE-PULP	21 COOKED-NFS		P 1.000000	0.006000	FDA MON	100.00	0.006000
10003AA	CASABAS	10 RAW-FRESH OR NFS		P 1.000000	1.000000	FDA MON	100.00	1.000000
10004AA	CRENSHAW	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		100.00	1.000000
10005AA	HONEYDEW MELONS	10 RAW-FRESH OR NFS		P 1.000000	0.009000	FDA MON	100.00	0.009000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methyl parathion Caswell #372 CAS No. 298-00-0 A.I. CODE: 053501 CFR No. 180.121	2yr feeding- rat NOEL= 0.0250 mg/kg 0.50 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: Negative- 1 species	Decr RBC ChE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of oncogenicity in mice; rats pending.	PADI UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250	Chronic feeding- dog Chronic feeding- rat (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.	HED complete 10/10/86. EPA verified 12/09/86. WHO last reviewed 1984. 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)
1007AA	PERSION MELONS	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000		1.000000		100.00	1.000000
1008AA	WATERMELON	10 RAW-FRESH OR NFS	P 1.000000		0.008000	FDA MON	100.00	0.008000
1008AA	WATERMELON	21 COOKED-NFS	P 1.000000		0.008000	FDA MON	100.00	0.008000
10010AA	CUCUMBERS	10 RAW-FRESH OR NFS	P 1.000000		1.000000		5.00	0.050000
10010AA	CUCUMBERS	11 RAW-FRESH-PICKLED, CORNED, OR CURED	P 1.000000		1.000000		5.00	0.050000
10010AA	CUCUMBERS	21 COOKED-NFS	P 1.000000		1.000000		5.00	0.050000
10011AA	PUMPKIN	21 COOKED-NFS	P 1.000000		1.000000		100.00	1.000000
10011AA	PUMPKIN	22 COOKED-FRESH-BAKED	P 1.000000		1.000000		100.00	1.000000
10011AA	PUMPKIN	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000		1.000000		100.00	1.000000
10013AA	SQUASH-SUMMER	10 RAW-FRESH OR NFS	P 1.000000		0.006000	FDA MON	100.00	0.006000
10013AA	SQUASH-SUMMER	21 COOKED-NFS	P 1.000000		0.006000	FDA MON	100.00	0.006000
10014AA	SQUASH-WINTER	10 RAW-FRESH OR NFS	P 1.000000		0.006000	FDA MON	100.00	0.006000
10014AA	SQUASH-WINTER	21 COOKED-NFS	P 1.000000		0.006000	FDA MON	100.00	0.006000
10014AA	SQUASH-WINTER	31 COOKED-FRESH OR CANNED	P 1.000000		0.006000	FDA MON	100.00	0.006000
10017AA	BITTER MELON	21 COOKED-NFS	P 1.000000		1.000000		100.00	1.000000
10020AA	TOMELGOURD	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000		1.000000		100.00	1.000000
11001AA	EGGPLANT	10 RAW-FRESH OR NFS	P 1.000000		0.008000	FDA MON	100.00	0.008000
11001AA	EGGPLANT	21 COOKED-NFS	P 1.000000		0.008000	FDA MON	100.00	0.008000
11001AA	EGGPLANT	25 COOKED-FRESH-FRIED	P 1.000000		0.008000	FDA MON	100.00	0.008000
11003AA	PEPPERS, SWEET	10 RAW-FRESH OR NFS	P 1.000000		1.000000		5.00	0.050000
11003AA	PEPPERS, SWEET	21 COOKED-NFS	P 1.000000		1.000000		5.00	0.050000
11003AB	CHILI PEPPERS	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000		1.000000		100.00	1.000000
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS	P 1.000000		1.000000		100.00	1.000000
11003AD	PEPPERS-OTHER	21 COOKED-NFS	P 1.000000		1.000000		100.00	1.000000
11003AD	PEPPERS-OTHER	51 COOKED-CANNED	P 1.000000		1.000000		100.00	1.000000
11004AA	PIMIENTOS	10 RAW-FRESH OR NFS	P 1.000000		1.000000		100.00	1.000000
11004AA	PIMIENTOS	21 COOKED-NFS	P 1.000000		1.000000		100.00	1.000000
11004AA	PIMIENTOS	31 COOKED-FRESH OR CANNED	P 1.000000		1.000000		100.00	1.000000
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS	P 1.000000		0.001000	FDA MON	100.00	0.001000
11005AA	TOMATOES-WHOLE	21 COOKED-NFS	P 1.000000		0.001000	FDA MON	100.00	0.001000
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	P 1.000000		0.001000	FDA MON	100.00	0.001000
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS	P 1.000000		0.001000	FDA MON	100.00	0.001000
11005JA	TOMATOES-JUICE	21 COOKED-NFS	P 1.000000		0.001000	FDA MON	100.00	0.001000
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS	P 1.000000		0.001000	FDA MON	100.00	0.001000
11005RA	TOMATOES-PUREE	21 COOKED-NFS	P 1.000000		0.001000	FDA MON	100.00	0.001000
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED	P 1.000000		0.001000	FDA MON	100.00	0.001000
11005RA	TOMATOES-PUREE	32 COOKED-FRESH OR CANNED-BAKED	P 1.000000		0.001000	FDA MON	100.00	0.001000
11005TA	TOMATOES-PASTE	51 COOKED-CANNED	P 1.000000		0.001000	FDA MON	100.00	0.001000
11005TA	TOMATOES-PASTE	21 COOKED-NFS	P 1.000000		0.001000	FDA MON	100.00	0.001000
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED	P 1.000000		0.001000	FDA MON	100.00	0.001000

DATE: 03/09/92

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Methyl parathion Caswell #372 CAS No. 298-00-0 A.I. CODE: 053501 CFR No. 180.121	2yr feeding- rat NOEL= 0.0250 mg/kg 0.50 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: Negative- 1 species	Decr RBC ChE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of oncogenicity in mice; rats pending.	PADI UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250	Chronic feeding- dog Chronic feeding- rat (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.	HED complete 10/10/86. EPA verified 12/09/86. WHO last reviewed 1984. On IRIS.						
FOOD CODE	FOOD	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)				
110051A	TOMATOES-PASTE	31	1.000000	0.001000	FDA MON	100.00	0.001000				
110050A	TOMATOES-CATSUP	21	1.000000	0.001000	FDA MON	100.00	0.001000				
13001AA	BETTS-TOPS	31	1.000000	1.000000		100.00	1.000000				
13001AA	BETTS-TOPS	63	1.000000	1.000000		100.00	1.000000				
13002AA	CELERY	10	1.000000	0.001000	FDA MON	100.00	0.001000				
13002AA	CELERY	21	1.000000	0.001000	FDA MON	100.00	0.001000				
13005AA	BROCCOLI	21	1.000000	0.001000	FDA MON	100.00	0.001000				
13005AA	BROCCOLI	31	1.000000	0.001000	FDA MON	100.00	0.001000				
13005AA	BROCCOLI	63	1.000000	0.001000	FDA MON	100.00	0.001000				
13006AA	BRUSSEL SPROUTS	21	1.000000	0.013000	FDA MON	100.00	0.013000				
13006AA	BRUSSEL SPROUTS	23	1.000000	0.013000	FDA MON	100.00	0.013000				
13007AA	CABBAGE	10	1.000000	1.000000		5.00	0.050000				
13007AA	CABBAGE	11	1.000000	1.000000		5.00	0.050000				
13007AA	CABBAGE	21	1.000000	1.000000		5.00	0.050000				
13008AA	CAULIFLOWER	10	1.000000	0.009000	FDA MON	100.00	0.009000				
13008AA	CAULIFLOWER	21	1.000000	0.009000	FDA MON	100.00	0.009000				
13009AA	COLLARDS	51	1.000000	0.012000	FDA MON	100.00	0.012000				
13009AA	COLLARDS	63	1.000000	0.012000	FDA MON	100.00	0.012000				
13010AA	CABBAGE-CHINESE	10	1.000000	1.000000		100.00	1.000000				
13010AA	CABBAGE-CHINESE	21	1.000000	1.000000		100.00	1.000000				
13011AA	KALE	63	1.000000	1.000000		100.00	1.000000				
13012AA	KOHLRABI	21	1.000000	1.000000		100.00	1.000000				
13013AA	LETTUCE-LEAFY	10	1.000000	0.006000	FDA MON	100.00	0.006000				
13015AA	ENDIVE	10	1.000000	1.000000		100.00	1.000000				
13015AA	ENDIVE	21	1.000000	1.000000		100.00	1.000000				
13016AA	FENNEL	00	NOT SPECIFIED (NO CONSUMPTION)			100.00	1.000000				
13018AA	ARTICHOKE-GLOBE	21	1.000000	1.000000	FDA MON	100.00	0.900000				
13020AA	LETTUCE-UNSPEC	10	1.000000	0.006000	FDA MON	100.00	0.006000				
13021AA	MUSTARD GREENS	21	1.000000	0.012000	FDA MON	100.00	0.012000				
13021AA	MUSTARD GREENS	63	1.000000	0.012000	FDA MON	100.00	0.012000				
13022AA	PARSLEY	10	1.000000	1.000000		100.00	1.000000				
13022AA	PARSLEY	21	1.000000	1.000000		100.00	1.000000				
13022AA	PARSLEY	53	1.000000	1.000000		100.00	1.000000				
13024AA	SPINACH	10	1.000000	0.002000	FDA MON	100.00	0.002000				
13024AA	SPINACH	21	1.000000	0.002000	FDA MON	100.00	0.002000				
13024AA	SPINACH	31	1.000000	0.002000	FDA MON	100.00	0.002000				
13025AA	SWISS CHARD	10	1.000000	1.000000		100.00	1.000000				
13025AA	SWISS CHARD	31	1.000000	1.000000		100.00	1.000000				
13025AA	SWISS CHARD	63	1.000000	1.000000		100.00	1.000000				
13026AA	TURNIPS-TOPS	10	1.000000	0.013000	FDA MON	100.00	0.013000				

CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Methyl parathion Caswell #372 CAS No. 298-00-0 A.I. CODE: 053501 CFR No. 180.121		2yr feeding- rat NOEL= 0.0250 mg/kg 0.50 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: Negative- 1 species		Decr RBC ChE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of oncogenicity in mice; rats pending.		PAD1 UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250		Chronic feeding- dog Chronic feeding- rat (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.		HED complete 10/10/86. EPA verified 12/09/86. WHO last reviewed 1984. 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)			
13026AA	TURNIPS-TOPS	21 COOKED-NFS		P 1.000000	0.013000	FDA MON	100.00	0.013000			
13026AA	TURNIPS-TOPS	31 COOKED-FRESH OR CANNED		P 1.000000	0.013000	FDA MON	100.00	0.013000			
13045AA	LETTUCE-HEAD	10 RAW-FRESH OR NFS		P 1.000000	0.006000	FDA MON	100.00	0.006000			
13045AA	LETTUCE-HEAD	21 COOKED-NFS		P 1.000000	0.006000	FDA MON	100.00	0.006000			
14001AA	BEEETS-ROOTS	10 RAW-FRESH OR NFS		P 1.000000	0.013000	FDA MON	100.00	0.013000			
14001AA	BEEETS-ROOTS	21 COOKED-NFS		P 1.000000	0.013000	FDA MON	100.00	0.013000			
14001AA	BEEETS-ROOTS	26 COOKED-FRESH-PICKLED,CORNEED,OR CURED		P 1.000000	0.013000	FDA MON	100.00	0.013000			
14001AA	BEEETS-ROOTS	31 COOKED-FRESH OR CANNED		P 1.000000	0.013000	FDA MON	100.00	0.013000			
14003AA	CARROTS	10 RAW-FRESH OR NFS		P 1.000000	0.003000	FDA MON	100.00	0.003000			
14003AA	CARROTS	21 COOKED-NFS		P 1.000000	0.003000	FDA MON	100.00	0.003000			
14003AA	CARROTS	23 COOKED-FRESH-BOILED		P 1.000000	0.003000	FDA MON	100.00	0.003000			
14003AA	CARROTS	31 COOKED-FRESH OR CANNED		P 1.000000	0.003000	FDA MON	100.00	0.003000			
14003AA	CARROTS	51 COOKED-CANNED		P 1.000000	0.003000	FDA MON	100.00	0.003000			
14007AA	GARLIC	10 RAW-FRESH OR NFS	032	P 1.000000	0.012000	FDA MON	100.00	0.012000			
14007AA	GARLIC	21 COOKED-NFS	032	P 1.000000	0.012000	FDA MON	100.00	0.012000			
14007AA	GARLIC	32 COOKED-FRESH OR CANNED-BAKED	032	P 1.000000	0.012000	FDA MON	100.00	0.012000			
14010AA	LEEKS	31 COOKED-FRESH OR CANNED	032	P 1.000000	1.000000		40.00	0.400000			
14011AA	ONIONS-DRY-BULB	10 RAW-FRESH OR NFS		P 1.000000	0.012000	FDA MON	100.00	0.012000			
14011AA	ONIONS-DRY-BULB	21 COOKED-NFS		P 1.000000	0.012000	FDA MON	100.00	0.012000			
14011AA	ONIONS-DRY-BULB	22 COOKED-FRESH-BAKED		P 1.000000	0.012000	FDA MON	100.00	0.012000			
14011AA	ONIONS-DRY-BULB	31 COOKED-FRESH OR CANNED		P 1.000000	0.012000	FDA MON	100.00	0.012000			
14011DA	ONIONS-DRYED	12 RAW-FRESH-DRYED	032	P 1.000000	0.012000	FDA MON	100.00	0.012000			
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	1F1091	P 0.100000	0.007000	FDA MON	100.00	0.007000			
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	1F1091	P 0.100000	0.007000	FDA MON	100.00	0.007000			
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.007000	FDA MON	100.00	0.007000			
14013AB	POTATO(WH)-UNSP	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.007000	FDA MON	100.00	0.007000			
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	1F1091	P 0.100000	0.007000	FDA MON	100.00	0.007000			
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.007000	FDA MON	100.00	0.007000			
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOILED	1F1091	P 0.100000	0.007000	FDA MON	100.00	0.007000			
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	1F1091	P 0.100000	0.007000	FDA MON	100.00	0.007000			
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	1F1091	P 0.100000	0.007000	FDA MON	100.00	0.007000			
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	1F1091	P 0.100000	0.007000	FDA MON	100.00	0.007000			
14013HA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.007000	FDA MON	100.00	0.007000			
14014AA	RADISHES-ROOTS	10 RAW-FRESH OR NFS		P 1.000000	1.000000		100.00	1.000000			
14014AB	RADISHES-TOPS	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		100.00	1.000000			
14015AA	RUTABAGAS-ROOTS	10 RAW-FRESH OR NFS		P 1.000000	1.000000		100.00	1.000000			
14015AA	RUTABAGAS-ROOTS	21 COOKED-NFS		P 1.000000	1.000000		100.00	1.000000			
14015AB	RUTABAGAS-TOPS	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		100.00	1.000000			
14018AA	SWEETPOTATOES	21 COOKED-NFS	1F1091	P 0.100000	0.100000		100.00	0.100000			
14018AA	SWEETPOTATOES	31 COOKED-FRESH OR CANNED	1F1091	P 0.100000	0.100000		100.00	0.100000			

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 03/09/92

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Methyl parathion Caswell #372 CAS No. 298-00-0 A.I. CODE: 053501 CFR No. 180.121		2yr feeding- rat NOEL= 0.0250 mg/kg 0.50 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: Negative- 1 species		Decr RBC ChE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of oncogenicity in mice; rats pending.		PADL UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250		Chronic feeding- dog Chronic feeding- rat (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.		HED complete 10/10/86. EPA verified 12/09/86. WHO last reviewed 1984. 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)		
14018AA	SWEETPOTATOES	51	COOKED-CANNED	1F1091	P 0.100000	0.100000		100.00	0.100000		
14019AA	TURNIPS-ROOTS	10	RAW-FRESH OR NFS		P 1.000000	1.000000		100.00	1.000000		
14019AA	TURNIPS-ROOTS	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
14021AA	PARSNIPS	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
15001AA	BEANS-DRY-GRT NO 00 NOT SPECIFIED (NO CONSUMPTION)	00	NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		100.00	1.000000		
15001AB	BEANS-DRY-KIDNEY	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
15001AB	BEANS-DRY-KIDNEY	31	COOKED-FRESH OR CANNED		P 1.000000	1.000000		100.00	1.000000		
15001AC	BEANS-DRY-LIMA	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
15001AD	BEANS-DRY-NAVY	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
15001AD	BEANS-DRY-NAVY	31	COOKED-FRESH OR CANNED		P 1.000000	1.000000		100.00	1.000000		
15001AE	BEANS-DRY-OTHER	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
15001AE	BEANS-DRY-OTHER	25	COOKED-FRESH-FRIED		P 1.000000	1.000000		100.00	1.000000		
15001AE	BEANS-DRY-OTHER	31	COOKED-FRESH OR CANNED		P 1.000000	1.000000		100.00	1.000000		
15001AF	BEANS-DRY-PINTO	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
15002AA	BEANS-SUCC-LIMA	10	RAW-FRESH OR NFS		P 1.000000	1.000000		100.00	1.000000		
15002AA	BEANS-SUCC-LIMA	21	COOKED-NFS		P 1.000000	1.000000		1.00	0.010000		
15003AA	BEANS-SUCC-GREEN	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
15003AB	BEANS-SUCC-OTH	10	RAW-FRESH OR NFS		P 1.000000	1.000000		100.00	1.000000		
15003AB	BEANS-SUCC-OTH	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
15003AC	BEANS-SUCC-WAX	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
15004AA	CORN, POP	21	COOKED-NFS	032	P 1.000000	1.000000	FDA MON	100.00	1.000000		
15005AA	CORN, SWEET	10	RAW-FRESH OR NFS	032	P 1.000000	0.002000	FDA MON	100.00	0.002000		
15005AA	CORN, SWEET	21	COOKED-NFS	032	P 1.000000	0.002000	FDA MON	100.00	0.002000		
15005AA	CORN, SWEET	31	COOKED-FRESH OR CANNED	032	P 1.000000	0.002000	FDA MON	100.00	0.002000		
15006AA	PEANUTS-WHOLE	10	RAW-FRESH OR NFS		P 1.000000	1.000000		100.00	1.000000		
15006AA	PEANUTS-WHOLE	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
15006AA	PEANUTS-WHOLE	22	COOKED-FRESH-BAKED		P 1.000000	1.000000		100.00	1.000000		
15007AA	PEAS DRY-GARDEN	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
15007AA	PEAS DRY-GARDEN	31	COOKED-FRESH OR CANNED		P 1.000000	1.000000		100.00	1.000000		
15009AA	PEAS SUCC-GARDEN	21	COOKED-NFS		P 1.000000	1.000000		5.00	0.050000		
15009AA	PEAS SUCC-GARDEN	31	COOKED-FRESH OR CANNED		P 1.000000	1.000000		5.00	0.050000		
15011AA	PEAS SUCC-GARDEN	31	COOKED-FRESH OR CANNED		P 1.000000	1.000000		100.00	1.000000		
15011AB	LENTILES-WHOLE	31	COOKED-FRESH OR CANNED		P 1.000000	1.000000		100.00	1.000000		
15011AB	LENTILES-SPLIT	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
15013AA	MUNG BEANS	10	RAW-FRESH OR NFS		P 1.000000	1.000000		100.00	1.000000		
15013AA	MUNG BEANS	21	COOKED-NFS		P 1.000000	1.000000		100.00	1.000000		
15013AA	MUNG BEANS	21	COOKED-NFS		P 1.000000	1.000000	FDA MON	100.00	0.013000		
15015AA	OKRA	25	COOKED-FRESH-FRIED		P 1.000000	0.013000	FDA MON	100.00	0.013000		
15015AA	OKRA	31	COOKED-FRESH-FRIED		P 1.000000	0.013000	FDA MON	100.00	0.013000		
15018AA	SUNFLOWER-SEEDS	10	RAW-FRESH OR NFS		P 0.200000	0.200000		100.00	0.200000		
15022AA	BEANS-DRY-BROAD	00	NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		100.00	1.000000		
15022AB	BEANS-SUCC-BROAD	00	NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		100.00	1.000000		

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS		P 1.000000	1.000000		100.00	1.000000
15027AA	BEANS-UNSPEC	21 COOKED-NFS		P 1.000000	1.000000		100.00	1.000000
15029AA	SOYBEAN-SPROUTED	00 NOT SPECIFIED (NO CONSUMPTION)	0F0878	P 0.100000	0.100000		4.00	0.004000
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		100.00	1.000000
15030AB	BEANS-SUCC-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		100.00	1.000000
15031AA	BLKEYE PEAS-DRY	21 COOKED-NFS		P 1.000000	1.000000		100.00	1.000000
15032AA	BEANS-DRY	21 COOKED-NFS		P 1.000000	1.000000		100.00	1.000000
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000		100.00	1.000000
16004AA	ONIONS-GREEN	10 RAW-FRESH OR NFS	032	P 1.000000	1.000000		40.00	0.400000
16004AA	ONIONS-GREEN	21 COOKED-NFS	032	P 1.000000	1.000000		40.00	0.400000
16004AA	ONIONS-GREEN	25 COOKED-FRESH-FRIED	032	P 1.000000	1.000000		-40.00	0.400000
24001AA	BARLEY	21 COOKED-NFS	032	P 1.000000	1.000000		3.00	0.030000
24002EA	CORN, GRAIN-ENDO	10 RAW-FRESH OR NFS	032	P 1.000000	1.000000		1.00	0.010000
24002EA	CORN, GRAIN-ENDO	21 COOKED-NFS	032	P 1.000000	1.000000		1.00	0.010000
24002EA	CORN, GRAIN-ENDO	22 COOKED-FRESH-BAKED	032	P 1.000000	1.000000		1.00	0.010000
24002EA	CORN, GRAIN-ENDO	23 COOKED-FRESH-BOILED	032	P 1.000000	1.000000		1.00	0.010000
24002HA	CORN, GRAIN-BRAN	00 NOT SPECIFIED (NO CONSUMPTION)	032	P 1.000000	1.000000		1.00	0.010000
24002SA	CORN SUGAR	10 RAW-FRESH OR NFS	032	P 1.000000	1.000000		1.00	0.010000
24002SA	CORN SUGAR	21 COOKED-NFS	032	P 1.000000	1.000000		1.00	0.010000
24002SA	CORN SUGAR	22 COOKED-FRESH-BAKED	032	P 1.000000	1.000000		1.00	0.010000
24003AA	OATS	21 COOKED-NFS	032	P 1.000000	1.000000		1.00	0.010000
24003AA	OATS	22 COOKED-FRESH-BAKED	032	P 1.000000	1.000000		1.00	0.010000
24003AA	OATS	23 COOKED-FRESH-BOILED	032	P 1.000000	1.000000		1.00	0.010000
24004AA	RICE-ROUGH	21 COOKED-NFS	289	P 1.000000	0.002000	FDA MON	100.00	0.002000
24004AA	RICE-ROUGH	23 COOKED-FRESH-BOILED	289	P 1.000000	0.002000	FDA MON	100.00	0.002000
24004AB	RICE-MILLED	21 COOKED-NFS	289	P 1.000000	0.002000	FDA MON	100.00	0.002000
24004AB	RICE-MILLED	22 COOKED-FRESH-BAKED	289	P 1.000000	0.002000	FDA MON	100.00	0.002000
24004AB	RICE-MILLED	23 COOKED-FRESH-BOILED	289	P 1.000000	0.002000	FDA MON	100.00	0.002000
24004AB	RICE-MILLED	31 COOKED-FRESH OR CANNED	289	P 1.000000	0.002000	FDA MON	100.00	0.002000
24006AA	SORGHUM	00 NOT SPECIFIED (NO CONSUMPTION)	1F1091	P 0.100000	0.100000		2.00	0.002000
24007AA	WHEAT-ROUGH	10 RAW-FRESH OR NFS	032	P 1.000000	0.000500	FDA MON	100.00	0.000500
24007AA	WHEAT-ROUGH	21 COOKED-NFS	032	P 1.000000	0.000500	FDA MON	100.00	0.000500
24007AA	WHEAT-ROUGH	22 COOKED-FRESH-BAKED	032	P 1.000000	0.000500	FDA MON	100.00	0.000500
24007AA	WHEAT-ROUGH	23 COOKED-FRESH-BOILED	032	P 1.000000	0.000500	FDA MON	100.00	0.000500
24007GA	WHEAT-GERM	10 RAW-FRESH OR NFS	032	P 1.000000	0.000500	FDA MON	100.00	0.000500
24007GA	WHEAT-GERM	22 COOKED-FRESH-BAKED	032	P 1.000000	0.000500	FDA MON	100.00	0.000500
24007HA	WHEAT-BRAN	10 RAW-FRESH OR NFS	032	P 1.000000	0.000500	FDA MON	100.00	0.000500
24007HA	WHEAT-BRAN	21-COOKED-NFS	032	P 1.000000	0.000500	FDA MON	100.00	0.000500
24007HA	WHEAT-BRAN	22 COOKED-FRESH-BAKED	032	P 1.000000	0.000500	FDA MON	100.00	0.000500</

CHEMICAL			STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Methyl parathion Caswell #372 CAS No. 298-00-0 A.I. CODE: 053501 CFR No. 180.121		2-yr feeding- rat NOEL= 0.0250 mg/kg 0.50 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: Negative- 1 species	Decr RBC ChE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of oncogenicity in mice; rats pending.		PAD1 UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250		Chronic feeding- dog Chronic feeding- rat (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.		HED complete 10/10/86. EPA verified 12/09/86. WHO last reviewed 1984. 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)				
24007WA	WHEAT-FLOUR	21 COOKED-NFS	032	P 1.000000	0.000500	FDA MON	100.00	0.000500				
24007UA	WHEAT-FLOUR	22 COOKED-FRESH-BAKED	032	P 1.000000	0.000500	FDA MON	100.00	0.000500				
24007WA	WHEAT-FLOUR	25 COOKED-FRESH-FRIED	032	P 1.000000	0.000500	FDA MON	100.00	0.000500				
25002SA	BEEF SUGAR	10 RAW-FRESH OR NFS	1F1091	P 0.100000	0.100000		10.00	0.010000				
25002SA	BEEF SUGAR	21 COOKED-NFS	1F1091	P 0.100000	0.100000		10.00	0.010000				
25002SA	BEEF SUGAR	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.100000		10.00	0.010000				
25002SA	BEEF SUGAR	31 COOKED-FRESH OR CANNED	1F1091	P 0.100000	0.100000		10.00	0.010000				
25003SA	CANE SUGAR	10 RAW-FRESH OR NFS	1F1091	P 0.100000	0.100000		100.00	0.100000				
25003SA	CANE SUGAR	21 COOKED-NFS	1F1091	P 0.100000	0.100000		100.00	0.100000				
25003SA	CANE SUGAR	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.100000		100.00	0.100000				
25003SA	CANE SUGAR	31 COOKED-FRESH OR CANNED	1F1091	P 0.100000	0.100000		100.00	0.100000				
25003SB	SUGAR-MOLASSES	10 RAW-FRESH OR NFS	1F1091	P 0.100000	0.100000		100.00	0.100000				
25003SB	SUGAR-MOLASSES	21 COOKED-NFS	1F1091	P 0.100000	0.100000		100.00	0.100000				
25003SB	SUGAR-MOLASSES	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.100000		100.00	0.100000				
25003SB	SUGAR-MOLASSES	31 COOKED-FRESH OR CANNED	1F1091	P 0.100000	0.100000		100.00	0.100000				
26011AA	GUAR BEANS	00 NOT SPECIFIED (NO CONSUMPTION)	1F1091	P 0.200000	0.200000		100.00	0.200000				
270020A	CORN, GRAIN-OIL	18 PROCESSED OIL	032	P 1.000000	1.000000		1.00	0.010000				
270030A	COTTONSEED-OIL	18 PROCESSED OIL	0F0878	P 0.750000	0.750000		30.00	0.225000				
27003WA	COTTONSEED-MEAL	18 PROCESSED OIL	0F0878	P 0.750000	0.750000		30.00	0.225000				
270070A	PEANUTS-OIL	18 PROCESSED OIL		P 1.000000	1.000000		100.00	1.000000				
27008AA	SAFFLOWER-SEED	00 NOT SPECIFIED (NO CONSUMPTION)	1F1091	P 0.100000	0.100000		100.00	0.100000				
270080A	SAFFLOWER-OIL	18 PROCESSED OIL	1F1091	P 0.100000	0.100000		100.00	0.100000				
270100A	SOYBEANS-OIL	18 PROCESSED OIL	0F0878	P 0.100000	0.100000		4.00	0.004000				
270110A	SUNFLOWER-OIL	18 PROCESSED OIL	8E0718	P 0.200000	0.200000		100.00	0.200000				
270160A	OLIVE OIL	18 PROCESSED OIL		P 1.000000	1.000000		100.00	1.000000				
27017AA	RAPE SEED	00 NOT SPECIFIED (NO CONSUMPTION)	3E1302	P 0.200000	0.200000		100.00	0.200000				
28023AA	SOYBEANS-UNSPEC	21 COOKED-NFS	0F0878	P 0.100000	0.100000		4.00	0.004000				
28023AB	SOYBEANS-DRY	10 RAW-FRESH OR NFS	0F0878	P 0.100000	0.100000		4.00	0.004000				
28023AB	SOYBEANS-DRY	21 COOKED-NFS	0F0878	P 0.100000	0.100000		4.00	0.004000				
28023AB	SOYBEANS-DRY	23 COOKED-FRESH-BOILED	0F0878	P 0.100000	0.100000		4.00	0.004000				
28023AB	SOYBEANS-DRY	25 COOKED-FRESH-FRIED	0F0878	P 0.100000	0.100000		4.00	0.004000				
28023AB	SOYBEANS-DRY	31 COOKED-FRESH OR CANNED	0F0878	P 0.100000	0.100000		4.00	0.004000				
28023WA	SOY-FL, FULL FAT	21 COOKED-NFS	0F0878	P 0.100000	0.100000		4.00	0.004000				
28023WA	SOY-FL, FULL FAT	22 COOKED-FRESH-BAKED	0F0878	P 0.100000	0.100000		4.00	0.004000				
28023WA	SOY-FL, FULL FAT	31 COOKED-FRESH OR CANNED	0F0878	P 0.100000	0.100000		4.00	0.004000				
28023WB	SOY-FL, LOW FAT	21 COOKED-NFS	0F0878	P 0.100000	0.100000		4.00	0.004000				
28023WC	SOY-FL, DEFAT	10 RAW-FRESH OR NFS	0F0878	P 0.100000	0.100000		4.00	0.004000				
28023WC	SOY-FL, DEFAT	21 COOKED-NFS	0F0878	P 0.100000	0.100000		4.00	0.004000				
28023WC	SOY-FL, DEFAT	22 COOKED-FRESH-BAKED	0F0878	P 0.100000	0.100000		4.00	0.004000				
28023WC	SOY-FL, DEFAT	51 COOKED-CANNED	0F0878	P 0.100000	0.100000		4.00	0.004000				

DATE: 03/09/92

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

FOOD CODE	FOOD	STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS
		2yr feeding- rat NOEL=	0.0250 mg/kg 0.50 ppm LEL=	Decr RBC Cht; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of oncogenicity in mice; rats pending.	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	
		ONCO: Negative- 1 species								On IRIS.
FOOD CODE	FOOD	FOOD FORM								RES. VALUE USED IN TAS RUN (ppm)
28023WC	SOY-FL,DEFAT	53 COOKED-CANNED-BOILED		0F0878	P 0.100000		0.100000		4.00	0.004000
43058AA	WINE AND SHERRY	10 RAW-FRESH OR NFS			P 1.000000		1.000000		4.00	0.040000
43058AA	WINE AND SHERRY	21 COOKED-NFS			P 1.000000		1.000000		4.00	0.040000
50000DB	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS		NEEDTOL	N 0.010000		0.010000	FDA MON	100.00	0.010000
50000DB	MILK-NON-FAT SOL	21 COOKED-NFS		NEEDTOL	N 0.010000		0.010000	FDA MON	100.00	0.010000
50000DB	MILK-NON-FAT SOL	51 COOKED-CANNED		NEEDTOL	N 0.010000		0.010000	FDA MON	100.00	0.010000
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS		NEEDTOL	N 0.010000		0.010000	FDA MON	100.00	0.010000
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS		NEEDTOL	N 0.010000		0.010000	FDA MON	100.00	0.010000
50000FA	MILK-FAT SOLIDS	51 COOKED-CANNED		NEEDTOL	N 0.010000		0.010000	FDA MON	100.00	0.010000
50000SA	MILK SUG (LACT)	21 COOKED-NFS		NEEDTOL	N 0.010000		0.010000	FDA MON	100.00	0.010000
50000SA	MILK SUG (LACT)	51 COOKED-CANNED		NEEDTOL	N 0.010000		0.010000	FDA MON	100.00	0.010000
55014AA	EGGS-WHOLE	10 RAW-FRESH OR NFS		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000
55014AA	EGGS-WHOLE	21 COOKED-NFS		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000
55014AA	EGGS-WHOLE	22 COOKED-FRESH-BAKED		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000
55014AA	EGGS-WHOLE	23 COOKED-FRESH-BOILED		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000
55014AA	EGGS-WHOLE	25 COOKED-FRESH-FRIED		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000
55014AB	EGGS-WHITE ONLY	10 RAW-FRESH OR NFS		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000
55014AB	EGGS-WHITE ONLY	21 COOKED-NFS		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000
55014AB	EGGS-WHITE ONLY	22 COOKED-FRESH-BAKED		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000
55014AB	EGGS-WHITE ONLY	62 COOKED-FRESH OR FROZEN-BAKED		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000
55014AB	EGGS-WHITE ONLY	81 COOKED-FROZEN		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000
55014AC	EGGS-YOLK ONLY	10 RAW-FRESH OR NFS		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000
55014AC	EGGS-YOLK ONLY	21 COOKED-NFS		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000
55014AC	EGGS-YOLK ONLY	25 COOKED-FRESH-FRIED		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000
55014AC	EGGS-YOLK ONLY	31 COOKED-FRESH OR CANNED		NEEDTOL	N 0.008000		0.008000	FDA MON	100.00	0.008000

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methyl parathion	2yr feeding- rat	Decr RBC ChE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of oncogenicity in mice; rats pending.	PADI UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250	Chronic feeding- dog Chronic feeding- rat (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.	HED complete 10/10/86. EPA verified 12/09/86. WHO last reviewed 1984.	
Caswell #372	NOEL= 0.0250 mg/kg 0.50 ppm					
CAS No. 298-00-0	LEL= 0.2500 mg/kg 5.00 ppm					
A.I. CODE: 053501	ONCO: Negative- 1 species				On IRIS.	
CFR No. 180.121						
POPULATION SUBGROUP						
TOTAL TMRC (MG/KG BODY WEIGHT/DAY)						
CURRENT TMRC*			NEW TMRC**		DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES
ARC			XRFD			
U.S. POPULATION - 48 STATES						
U.S. POPULATION - SPRING SEASON			0.010122	0.010232	4092.690400	43.992800
U.S. POPULATION - SUMMER SEASON			0.009791	0.009893	3957.250400	40.944000
U.S. POPULATION - FALL SEASON			0.010290	0.010398	4159.068400	43.196800
U.S. POPULATION - WINTER SEASON			0.010172	0.010287	4114.994000	46.042800
			0.010197	0.010311	4124.570400	45.798800
NORTHEAST REGION			0.011114	0.011228	4491.105200	45.622600
NORTH CENTRAL REGION			0.009885	0.009999	3999.571200	45.636800
SOUTHERN REGION			0.009082	0.009177	3670.872400	38.271200
WESTERN REGION			0.010882	0.011005	4401.947600	49.321600
HISPANICS			0.011775	0.011915	4766.136400	56.275200
NON-HISPANIC WHITES			0.010063	0.010173	4069.052800	43.870000
NON-HISPANIC BLACKS			0.009417	0.009513	3805.007200	38.401600
NON-HISPANIC OTHERS			0.012112	0.012234	4893.787200	49.144000
NURSING INFANTS (< 1 YEAR OLD)			0.016037	0.016179	6471.586400	56.705600
NON-NURSING INFANTS (< 1 YEAR OLD)			0.028832	0.029489	11795.722800	263.030400
FEMALES (13+ YEARS, PREGNANT)			0.007768	0.007847	3138.626000	31.293200
FEMALES 13+ YEARS, NURSING			0.008840	0.008943	3577.245200	41.334800
CHILDREN (1-6 YEARS OLD)			0.023353	0.023672	9468.972400	127.923600
CHILDREN (7-12 YEARS OLD)			0.014754	0.014948	5979.233600	77.719200
MALES (13-19 YEARS OLD)			0.009076	0.009197	3678.720400	48.328000
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)			0.008060	0.008151	3260.492800	36.675600
MALES (20 YEARS AND OLDER)			0.007283	0.007343	2937.340000	23.994800
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)			0.007462	0.007516	3006.217600	21.334400

*Current TMRC does not include new or pending tolerances.

**New TMRC includes new, pending, and published tolerances.

PCT
and
ARC (FDA Mon)