



053501

10-15-96

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

OCT 15 1996

OCT 15 1996

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Dietary Exposure Analysis for Synar List Chemical
(Methyl Parathion).

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

Through: Elizabeth Doyle, Section Head *E. A. Doyle*
Dietary Risk Evaluation Section
SAB/Health Effects Division

TO: Jack Housenger, Chief *JH*
SRB (7508W)

Action Requested

Provide a chronic dietary exposure analysis for Methyl Parathion using percent crop treated information supplied by BEAD.

Background

Methyl parathion has been shown through several screening processes to be an RfD exceeder. For the purposes of this analysis, percent crop treated data were supplied and utilized in order to present a more accurate estimate of dietary risk from the uses of methyl parathion.

Residue Information

A figure of 2% was given for lemons with no other data supplied for the remainder of the crops found in the citrus group. Thus, for the purposes of this analysis, DRES assumed 2% crop treated for all citrus commodities.

Other crops were listed at 0% crop treated. In this analysis, DRES assumed 1% crop treated for the following commodities: barley, oats, cucurbits, lettuce, peanuts, and

Results

A first analysis included a new tolerance for milk and eggs. 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), and thus were included in the DRES run.

Incorporating the percent crop treated data and new tolerances on milk and eggs into the dietary risk analysis resulted in exceedance in the RfD for all subgroups except three.

Non-Nursing Infants (<1 year old) was the subgroup which showed the highest RfD exceedance at 359% RfD. The commodities which contributed the most to this risk estimate were milk products at 261% RfD.

Based on the residue data base available to CBRS at this time, the calculation of residues for meat or poultry commodities is inappropriate (Personal communication, S. Funk, 9/24/96) and were omitted from the second analysis (See Table 1).

Removing the milk and egg tolerances results in an acceptable level of dietary risk for all subgroups except Children (1-6 years old), which is at 150% RfD (See Table 2). The commodities which contribute the most to this risk are cane sugar at 59% RfD, and grapes at 20% RfD.

Based on the risk estimates calculated in this analysis, it appears that chronic dietary risk from the published uses of methyl parathion is of concern for the subgroup Children (1-6 years old).

TABLE 1

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 09/24/96

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 NOEL = 0.0250 mg/kg LEI = 0.2500 mg/kg 5.00 ppm ONCO: Negative- 1 species	Decr RBC CHE; Decr Ht & Hb; tentative pending sub; tentative pending evidence of carcinogenic- ity 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.	WHO revised 1984 HED complete 10/10/86 EPA verified 12/09/86 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)
01002AA	BLACKBERRIES	10 RAW-FRESH OR NFS	P 1.000000	0.007000	FDA MON	1.00	0.000070	
01002AA	BLACKBERRIES	21 COOKED-NFS	P 1.000000	0.007000	FDA MON	1.00	0.000070	
01002AA	BLACKBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	0.007000	FDA MON	1.00	0.010000	
01003AA	BOYSENBERRIES	10 RAW-FRESH OR NFS	P 1.000000	1.000000		1.00	0.010000	
01004AA	DEWBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	1.000000		1.00	0.010000	
01005AA	LOGANBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	1.000000		1.00	0.010000	
01006AA	RASPBERRIES	10 RAW-FRESH OR NFS	P 1.000000	1.000000		1.00	0.010000	
01006AA	RASPBERRIES	15 RAW-FRESH OR CANNED	P 1.000000	1.000000		1.00	0.010000	
01006AA	RASPBERRIES	31 COOKED-FRESH OR CANNED	P 1.000000	1.000000		1.00	0.010000	
01006AA	RASPBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	1.000000		1.00	0.010000	
01006AA	RASPBERRIES	70 RAW-FROZEN	P 1.000000	1.000000		1.00	0.010000	
01007AA	YOUNGBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	0.009000	FDA MON	1.00	0.000090	
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS	P 1.000000	0.009000	FDA MON	1.00	0.000090	
01009AA	BLUEBERRIES	21 COOKED-NFS	P 1.000000	0.009000	FDA MON	1.00	0.000090	
01009AA	BLUEBERRIES	22 COOKED-FRESH-BAKED	P 1.000000	0.009000	FDA MON	1.00	0.000090	
01009AA	BLUEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	0.029000	FDA MON	100.00	0.029000	
01010AA	CRANBERRIES	10 RAW-FRESH OR NFS	P 1.000000	0.029000	FDA MON	100.00	0.029000	
01010AA	CRANBERRIES	21 COOKED-NFS	P 1.000000	0.029000	FDA MON	100.00	0.029000	
01010AA	CRANBERRIES	31 COOKED-FRESH OR CANNED	P 1.000000	0.029000	FDA MON	100.00	0.029000	
01010AA	CRANBERRY-JUICE	15 RAW-FRESH OR CANNED	P 1.000000	0.029000	FDA MON	100.00	0.029000	
01010AA	CRANBERRY-JUICE	31 COOKED-FRESH OR CANNED	P 1.000000	0.029000	FDA MON	100.00	0.029000	
01011AA	CURRANTS	10 RAW-FRESH OR NFS	P 1.000000	1.000000		1.00	0.010000	
01011AA	CURRANTS	21 COOKED-NFS	P 1.000000	1.000000		1.00	0.010000	
01011AA	CURRANTS	22 COOKED-FRESH-BAKED	P 1.000000	1.000000		1.00	0.010000	
01013AA	GOOSEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	1.000000		6.00	0.060000	
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS	P 1.000000	1.000000		6.00	0.060000	
01014AA	GRAPES-FRESH	21 COOKED-NFS	P 1.000000	1.000000		6.00	0.060000	
01014AA	GRAPES-FRESH	31 COOKED-FRESH OR CANNED	P 1.000000	1.000000		6.00	0.060000	
01014AA	GRAPES-RAISINS	10 RAW-FRESH OR NFS	P 1.000000	1.000000		6.00	0.060000	
01014AA	GRAPES-RAISINS	21 COOKED-NFS	P 1.000000	1.000000		6.00	0.060000	
01014AA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED	P 1.000000	1.000000		6.00	0.060000	
01014AA	GRAPES-JUICE	10 RAW-FRESH OR NFS	P 1.000000	1.000000		6.00	0.060000	
01014AA	GRAPES-JUICE	15 RAW-FRESH OR CANNED	P 1.000000	1.000000		6.00	0.060000	
01014AA	GRAPES-JUICE	21 COOKED-NFS	P 1.000000	1.000000		6.00	0.060000	
01015AA	HUCKLEBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	1.000000		1.00	0.010000	
01016AA	STRAWBERRIES	10 RAW-FRESH OR NFS	P 1.000000	1.000000		5.00	0.050000	
01016AA	STRAWBERRIES	21 COOKED-NFS	P 1.000000	1.000000		5.00	0.050000	
01016AA	STRAWBERRIES	70 RAW-FROZEN	P 1.000000	1.000000		1.00	0.010000	
02001AA	CITRUS CITRON	22 COOKED-FRESH-BAKED	P 1.000000	1.000000		2.00	0.000160	
02002AA	GRAPEFRUIT-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	0.008000	FDA MON	2.00	0.000160	

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 09/24/96

PAGE: 3

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 carcinogenic- ity 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.	WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 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	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		1.00	0.001000
03009AA	WALNUTS	21 COOKED-NFS	1F1091	P 0.100000	0.100000		1.00	0.001000
03009AA	WALNUTS	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.100000		1.00	0.001000
04001AA	APPLES-FRESH	10 RAW-FRESH OR NFS	P 1.000000	0.008000	FDA MON		20.00	0.001600
04001AA	APPLES-FRESH	21 COOKED-NFS	P 1.000000	0.008000	FDA MON		20.00	0.001600
04001AA	APPLES-FRESH	31 COOKED-FRESH OR CANNED	P 1.000000	0.008000	FDA MON		20.00	0.001600
04001AA	APPLES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	0.008000	FDA MON		20.00	0.001600
04001DA	APPLES-DRIED	10 RAW-FRESH OR NFS	P 1.000000	0.008000	FDA MON		20.00	0.001600
04001DA	APPLES-DRIED	22 COOKED-FRESH-BAKED	P 1.000000	0.008000	FDA MON		20.00	0.001600
04001DA	APPLES-DRIED	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	0.008000	FDA MON		20.00	0.001600
04001JA	APPLES-JUICE	15 RAW-FRESH OR CANNED	P 1.000000	0.006000C	FDA MON		20.00	0.001200
04003AA	PEARS-FRESH	10 RAW-FRESH OR NFS	P 1.000000	0.006000	FDA MON		7.00	0.000420
04003AA	PEARS-FRESH	31 COOKED-FRESH OR CANNED	P 1.000000	0.006000	FDA MON		7.00	0.000420
04003AA	PEARS-FRESH	51 COOKED-CANNED	P 1.000000	0.006000	FDA MON		7.00	0.000420
04003AA	PEARS-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	0.006000	FDA MON		7.00	0.000420
04003DA	PEARS-DRIED	10 RAW-FRESH OR NFS	P 1.000000	0.006000	FDA MON		7.00	0.000420
04003DA	PEARS-DRIED	21 COOKED-NFS	P 1.000000	0.006000	FDA MON		7.00	0.000420
04004AA	QUINCES	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	1.000000	FDA MON		100.00	1.000000
05001AA	APRICOTS-FRESH	10 RAW-FRESH OR NFS	P 1.000000	0.011000	FDA MON		24.00	0.002640
05001AA	APRICOTS-FRESH	21 COOKED-NFS	P 1.000000	0.011000	FDA MON		24.00	0.002640
05001AA	APRICOTS-FRESH	31 COOKED-FRESH OR CANNED	P 1.000000	0.011000	FDA MON		24.00	0.002640
05001DA	APRICOTS-DRIED	10 RAW-FRESH OR NFS	P 1.000000	0.011000	FDA MON		24.00	0.002640
05001DA	APRICOTS-DRIED	22 COOKED-FRESH-BAKED	P 1.000000	0.011000	FDA MON		24.00	0.002640
05002AA	CHERRIES-FRESH	10 RAW-FRESH OR NFS	P 1.000000	0.009000	FDA MON		11.00	0.000990
05002AA	CHERRIES-FRESH	21 COOKED-NFS	P 1.000000	0.009000	FDA MON		11.00	0.000990
05002AA	CHERRIES-FRESH	31 COOKED-FRESH OR CANNED	P 1.000000	0.009000	FDA MON		11.00	0.000990
05002AA	CHERRIES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	0.009000	FDA MON		11.00	0.000990
05002DA	CHERRIES-DRIED	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	0.009000	FDA MON		11.00	0.000990
05002JA	CHERRIES-JUICE	15 RAW-FRESH OR CANNED	P 1.000000	0.009000	FDA MON		11.00	0.000990
05002JA	CHERRIES-JUICE	21 COOKED-NFS	P 1.000000	0.009000	FDA MON		11.00	0.000990
05003AA	NECTARINES	10 RAW-FRESH OR NFS	P 1.000000	0.007000	FDA MON		17.00	0.001190
05003AA	NECTARINES	10 RAW-FRESH OR NFS	P 1.000000	0.009000	FDA MON		46.00	0.004140
05004AA	PEACHES-FRESH	21 COOKED-NFS	P 1.000000	0.009000	FDA MON		46.00	0.004140
05004AA	PEACHES-FRESH	31 COOKED-FRESH OR CANNED	P 1.000000	0.009000	FDA MON		46.00	0.004140
05004AA	PEACHES-FRESH	51 COOKED-CANNED	P 1.000000	0.009000	FDA MON		46.00	0.004140
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS	P 1.000000	0.009000	FDA MON		46.00	0.004140

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 09/24/96

PAGE: 4

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 LEI= 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 carcinogenic- ity 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.	WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 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	46.00	0.004140	
05005AA	PLUMS-FRESH	10 RAW-FRESH OR NFS	P 1.000000	0.006000	FDA MON	15.00	0.000900	
05005AA	PLUMS-FRESH	31 COOKED-FRESH OR CANNED	P 1.000000	0.006000	FDA MON	15.00	0.000900	
05005DA	PLUMS-PRUNES	10 RAW-FRESH OR NFS	P 1.000000	0.006000	FDA MON	15.00	0.000900	
05005DA	PLUMS-PRUNES	21 COOKED-NFS	P 1.000000	0.006000	FDA MON	15.00	0.000900	
05005DA	PLUMS-PRUNES	31 COOKED-FRESH OR CANNED	P 1.000000	0.006000	FDA MON	15.00	0.000900	
05005JA	PRUNE-JUICE	10 RAW-FRESH OR NFS	P 1.000000	0.006000	FDA MON	15.00	0.000900	
05005JA	PRUNE-JUICE	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	0.006000	FDA MON	15.00	0.000900	
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		100.00	1.000000	
06004AA	DATES	21 COOKED-NFS	P 1.000000	1.000000		100.00	1.000000	
06004AA	DATES	22 COOKED-FRESH-BAKED	P 1.000000	1.000000		100.00	1.000000	
06005AA	FIGS	10 RAW-FRESH OR NFS	P 1.000000	1.000000		100.00	1.000000	
06005AA	FIGS	21 COOKED-NFS	P 1.000000	1.000000		100.00	1.000000	
06005AA	FIGS	22 COOKED-FRESH-BAKED	P 1.000000	1.000000		100.00	1.000000	
06006AA	GUAVA	10 RAW-FRESH OR NFS	P 1.000000	1.000000		100.00	1.000000	
06006AA	GUAVA	21 COOKED-NFS	P 1.000000	1.000000		100.00	1.000000	
06006AA	GUAVA	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	1.000000		100.00	1.000000	
06007AA	MANGOES	10 RAW-FRESH OR NFS	P 1.000000	1.000000		100.00	1.000000	
06007AA	MANGOES	21 COOKED-NFS	P 1.000000	1.000000		100.00	1.000000	
06009AA	OLIVES	10 RAW-FRESH OR NFS	P 1.000000	1.000000		100.00	1.000000	
06009AA	OLIVES	11 RAW-FRESH-PICKLED, CORNED, OR CURED	32	1.000000		100.00	1.000000	
06009AA	OLIVES	21 COOKED-NFS	P 1.000000	1.000000		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	32	0.008000	FDA MON	100.00	0.008000	
08020AA	HOPS	21 COOKED-NFS	P 1.000000	0.200000		100.00	0.200000	
08028AA	MUSTARD SEED	11 RAW-FRESH-PICKLED, CORNED, OR CURED	3E1302	0.200000		100.00	0.200000	
08028AA	MUSTARD SEED	21 COOKED-NFS	3E1302	0.200000		100.00	0.200000	
10002AA	CANTALOUPE-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	0.006000	FDA MON	1.00	0.000060	
10002AB	CANTALOUPE-PULP	10 RAW-FRESH OR NFS	P 1.000000	0.006000	FDA MON	1.00	0.000060	
10002AB	CANTALOUPE-PULP	21 COOKED-NFS	P 1.000000	0.006000	FDA MON	1.00	0.000060	
10003AA	CASABAS	10 RAW-FRESH OR NFS	P 1.000000	1.000000		1.00	0.010000	
10004AA	CRENSHAW	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	1.000000		1.00	0.010000	
10005AA	HONEYDEW MELONS	10 RAW-FRESH OR NFS	P 1.000000	0.009000	FDA MON	1.00	0.000090	

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 submmission of data for sciatic nerve changes. No evidence of carcinogenic- ity 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.	WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 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)
10007AA	PERSION MELONS	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		1.00	0.010000
10008AA	WATERMELON	10 RAW-FRESH OR NFS		P 1.000000	0.008000	FDA MON	1.00	0.000080
10008AA	WATERMELON	21 COOKED-NFS		P 1.000000	0.008000	FDA MON	1.00	0.000080
10010AA	CUCUMBERS	10 RAW-FRESH OR NFS		P 1.000000	1.000000		1.00	0.010000
10010AA	CUCUMBERS	11 RAW-FRESH-PICKLED, CORNED, OR CURED		P 1.000000	1.000000		1.00	0.010000
10010AA	CUCUMBERS	21 COOKED-NFS		P 1.000000	1.000000		1.00	0.010000
10011AA	PUMPKIN	21 COOKED-NFS		P 1.000000	1.000000		1.00	0.010000
10011AA	PUMPKIN	22 COOKED-FRESH-BAKED		P 1.000000	1.000000		1.00	0.010000
10011AA	PUMPKIN	62 COOKED-FRESH OR FROZEN-BAKED		P 1.000000	0.006000	FDA MON	1.00	0.000060
10013AA	SQUASH-SUMMER	10 RAW-FRESH OR NFS		P 1.000000	0.006000	FDA MON	1.00	0.000060
10013AA	SQUASH-SUMMER	21 COOKED-NFS		P 1.000000	0.006000	FDA MON	1.00	0.000060
10014AA	SQUASH-WINTER	10 RAW-FRESH OR NFS		P 1.000000	0.006000	FDA MON	1.00	0.000060
10014AA	SQUASH-WINTER	21 COOKED-NFS		P 1.000000	0.006000	FDA MON	1.00	0.000060
10014AA	SQUASH-WINTER	31 COOKED-FRESH OR CANNED		P 1.000000	0.006000	FDA MON	1.00	0.000060
10017AA	BITTER MELON	21 COOKED-NFS		P 1.000000	1.000000		1.00	0.010000
10020AA	TOMELGOURD	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		1.00	0.010000
11001AA	EGGPLANT	10 RAW-FRESH OR NFS		P 1.000000	0.008000	FDA MON	2.00	0.000160
11001AA	EGGPLANT	21 COOKED-NFS		P 1.000000	0.008000	FDA MON	2.00	0.000160
11001AA	EGGPLANT	25 COOKED-FRESH-FRIED		P 1.000000	0.008000	FDA MON	2.00	0.000160
11003AA	PEPPERS, SWEET	10 RAW-FRESH OR NFS		P 1.000000	1.000000		2.00	0.020000
11003AA	PEPPERS, SWEET	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
11003AB	PEPPERS, SWEET	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		2.00	0.020000
11003AB	PEPPERS, SWEET	10 RAW-FRESH OR NFS		P 1.000000	1.000000		2.00	0.020000
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS		P 1.000000	1.000000		2.00	0.020000
11003AD	PEPPERS-OTHER	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
11003AD	PEPPERS-OTHER	51 COOKED-CANNED		P 1.000000	1.000000		2.00	0.020000
11004AA	PIMIENTOS	10 RAW-FRESH OR NFS		P 1.000000	1.000000		2.00	0.020000
11004AA	PIMIENTOS	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
11004AA	PIMIENTOS	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000	FDA MON	1.00	0.000010
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005AA	TOMATOES-WHOLE	21 COOKED-NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005JA	TOMATOES-JUICE	21 COOKED-NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005RA	TOMATOES-PUREE	21 COOKED-NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005RA	TOMATOES-PUREE	32 COOKED-FRESH OR CANNED-BAKED		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005RA	TOMATOES-PUREE	51 COOKED-CANNED		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005TA	TOMATOES-PASTE	21 COOKED-NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED		P 1.000000	0.001000	FDA MON	1.00	0.000010

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 09/24/96

PAGE: 6

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 LEI = 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 carcinogenic- ity 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.	WHO revised 1984 HED complete 10/10/86 EPA verified 12/09/86 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)
11005TA	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED	P 1.000000	0.001000	FDA MON	1.00	0.000010	0.000010
11005UA	TOMATOES-CATSUP	21 COOKED-NFS	P 1.000000	0.001000	FDA MON	1.00	0.000010	0.000010
13001AA	BEETS-TOPS	31 COOKED-FRESH OR CANNED	P 1.000000	1.000000	FDA MON	1.00	0.010000	0.010000
13001AA	BEETS-TOPS	63 COOKED-FRESH OR FROZEN-BOILED	P 1.000000	1.000000	FDA MON	100.00	0.010000	0.010000
13002AA	CELERY	10 RAW-FRESH OR NFS	P 1.000000	0.001000	FDA MON	100.00	0.001000	0.001000
13002AA	CELERY	21 COOKED-NFS	P 1.000000	0.001000	FDA MON	2.00	0.000020	0.000020
13005AA	BROCCOLI	31 COOKED-FRESH OR CANNED	P 1.000000	0.001000	FDA MON	2.00	0.000020	0.000020
13005AA	BROCCOLI	63 COOKED-FRESH OR FROZEN-BOILED	P 1.000000	0.001000	FDA MON	2.00	0.000020	0.000020
13006AA	BRUSSEL SPROUTS	21 COOKED-NFS	P 1.000000	0.013000	FDA MON	2.00	0.000260	0.000260
13007AA	BRUSSEL SPROUTS	23 COOKED-FRESH-BOILED	P 1.000000	1.000000	FDA MON	2.00	0.020000	0.020000
13007AA	CABBAGE	11 RAW-FRESH OR NFS	P 1.000000	1.000000	FDA MON	2.00	0.020000	0.020000
13007AA	CABBAGE	21 COOKED-NFS	P 1.000000	1.000000	FDA MON	2.00	0.020000	0.020000
13008AA	CAULIFLOWER	10 RAW-FRESH OR NFS	P 1.000000	0.009000	FDA MON	2.00	0.000180	0.000180
13008AA	CAULIFLOWER	21 COOKED-NFS	P 1.000000	0.009000	FDA MON	2.00	0.000240	0.000240
13009AA	COLLARDS	51 COOKED-CANNED	P 1.000000	0.012000	FDA MON	2.00	0.000240	0.000240
13010AA	COLLARDS	63 COOKED-FRESH OR FROZEN-BOILED	P 1.000000	0.012000	FDA MON	2.00	0.020000	0.020000
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	P 1.000000	1.000000	FDA MON	2.00	0.020000	0.020000
13011AA	CABBAGE-CHINESE	21 COOKED-NFS	P 1.000000	1.000000	FDA MON	2.00	0.020000	0.020000
13012AA	KALE	63 COOKED-FRESH OR FROZEN-BOILED	P 1.000000	1.000000	FDA MON	1.00	0.000060	0.000060
13013AA	KOHLRABI	21 COOKED-NFS	P 1.000000	0.006000	FDA MON	100.00	1.000000	1.000000
13013AA	LETTUCE-LEAFY	10 RAW-FRESH OR NFS	P 1.000000	1.000000	FDA MON	100.00	0.001000	0.001000
13015AA	ENDIVE	21 COOKED-NFS	P 1.000000	1.000000	FDA MON	100.00	0.000060	0.000060
13015AA	ENDIVE	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	0.001000	FDA MON	90.00	0.000060	0.000060
13016AA	FENNEL	21 COOKED-NFS	P 1.000000	1.000000	FDA MON	1.00	0.000240	0.000240
13020AA	ARTICHOKE-GLOBE	10 RAW-FRESH OR NFS	P 1.000000	0.006000	FDA MON	2.00	0.000240	0.000240
13021AA	MUSTARD GREENS	21 COOKED-NFS	P 1.000000	0.012000	FDA MON	2.00	0.000240	0.000240
13021AA	MUSTARD GREENS	63 COOKED-FRESH OR FROZEN-BOILED	P 1.000000	0.012000	FDA MON	2.00	0.000240	0.000240
13022AA	PARSLEY	10 RAW-FRESH OR NFS	P 1.000000	1.000000	FDA MON	100.00	1.000000	1.000000
13022AA	PARSLEY	21 COOKED-NFS	P 1.000000	1.000000	FDA MON	100.00	0.002000	0.002000
13024AA	SPINACH	53 COOKED-CANNED-BOILED	P 1.000000	0.002000	FDA MON	100.00	0.002000	0.002000
13024AA	SPINACH	10 RAW-FRESH OR NFS	P 1.000000	0.002000	FDA MON	100.00	0.002000	0.002000
13025AA	SWISS CHARD	31 COOKED-FRESH OR CANNED	P 1.000000	1.000000	FDA MON	100.00	1.000000	1.000000
13025AA	SWISS CHARD	10 RAW-FRESH OR NFS	P 1.000000	1.000000	FDA MON	100.00	1.000000	1.000000
13025AA	SWISS CHARD	31 COOKED-FRESH OR CANNED	P 1.000000	1.000000	FDA MON	100.00	1.000000	1.000000
13025AA	SWISS CHARD	63 COOKED-FRESH OR FROZEN-BOILED	P 1.000000	1.000000	FDA MON	100.00	1.000000	1.000000
13026AA	TURNIPS-TOPS	10 RAW-FRESH OR NFS	P 1.000000	0.013000	FDA MON	100.00	0.013000	0.013000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 09/24/96

PAGE: 7

6

CHEMICAL			STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Methyl parathion Caswell #372 CAS No. 298-00-0 A.I. CODE: 055501 CFR No. 180.121			2yr feeding- rat MOEL = 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 carcinogenicity in mice; rats pending		PAD1 UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250		Chronic feeding- dog Core-supplementary rat (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.		WHO reviewed 1994. MED complete 10/10/86 EPA verified 12/09/86 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	1.00	0.000060				
13045AA	LETTUCE-HEAD	21 COOKED-NFS		P 1.000000	0.006000	FDA MON	1.00	0.000060				
14001AA	BEETS-ROOTS	10 RAW-FRESH OR NFS		P 1.000000	0.013000	FDA MON	1.00	0.000130				
14001AA	BEETS-ROOTS	21 COOKED-NFS		P 1.000000	0.013000	FDA MON	1.00	0.000130				
14001AA	BEETS-ROOTS	26 COOKED-FRESH-PICKLED,CORNED,OR CURED		P 1.000000	0.013000	FDA MON	1.00	0.000130				
14001AA	BEETS-ROOTS	31 COOKED-FRESH OR CANNED		P 1.000000	0.013000	FDA MON	1.00	0.000130				
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				
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	40.00	0.012000				
14010AA	LEEKS	10 RAW-FRESH OR NFS	032	P 1.000000	0.012000	FDA MON	9.00	0.001080				
14011AA	ONIONS-DRY-BULB	10 RAW-FRESH OR NFS	032	P 1.000000	0.012000	FDA MON	9.00	0.001080				
14011AA	ONIONS-DRY-BULB	21 COOKED-NFS	032	P 1.000000	0.012000	FDA MON	9.00	0.001080				
14011AA	ONIONS-DRY-BULB	22 COOKED-FRESH-BAKED	032	P 1.000000	0.012000	FDA MON	9.00	0.001080				
14011AA	ONIONS-DRY-BULB	31 COOKED-FRESH OR CANNED	032	P 1.000000	0.012000	FDA MON	9.00	0.001080				
14011DA	ONIONS-DRY- BULB	12 RAW-FRESH- DRIED	032	P 1.000000	0.012000	FDA MON	9.00	0.001080				
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	1F1091	P 0.100000	0.007000	FDA MON	1.00	0.000070				
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	1F1091	P 0.100000	0.007000	FDA MON	1.00	0.000070				
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.007000	FDA MON	1.00	0.000070				
14013AB	POTATO(WH)-UNSP	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.007000	FDA MON	1.00	0.000070				
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	1F1091	P 0.100000	0.007000	FDA MON	1.00	0.000070				
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.007000	FDA MON	1.00	0.000070				
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOILED	1F1091	P 0.100000	0.007000	FDA MON	1.00	0.000070				
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	1F1091	P 0.100000	0.007000	FDA MON	1.00	0.000070				
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	1F1091	P 0.100000	0.007000	FDA MON	1.00	0.000070				
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	1F1091	P 0.100000	0.007000	FDA MON	1.00	0.000070				
14013HA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.007000	FDA MON	1.00	0.000070				
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: 09/24/96

PAGE: 8

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 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 carcinogenic- ity 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.	WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 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		2.00	0.020000
15001AA	BEANS-DRY-GRT NO	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		2.00	0.020000
15001AB	BEANS-DRY-KIDNEY	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
15001AB	BEANS-DRY-KIDNEY	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000		2.00	0.020000
15001AC	BEANS-DRY-LIMA	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
15001AD	BEANS-DRY-NAVY	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
15001AD	BEANS-DRY-NAVY	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000		2.00	0.020000
15001AE	BEANS-DRY-OTHER	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
15001AE	BEANS-DRY-OTHER	25 COOKED-FRESH-FRIED		P 1.000000	1.000000		2.00	0.020000
15001AE	BEANS-DRY-OTHER	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000		2.00	0.020000
15001AF	BEANS-DRY-PINTO	21 COOKED-NFS		P 1.000000	1.000000		3.00	0.030000
15002AA	BEANS-SUCC-LIMA	10 RAW-FRESH OR NFS		P 1.000000	1.000000		3.00	0.030000
15002AA	BEANS-SUCC-LIMA	21 COOKED-NFS		P 1.000000	1.000000		3.00	0.030000
15003AA	BEANS-SUCC-GREEN	21 COOKED-NFS		P 1.000000	1.000000		3.00	0.030000
15003AB	BEANS-SUCC-OTH	10 RAW-FRESH OR NFS		P 1.000000	1.000000		3.00	0.030000
15003AB	BEANS-SUCC-OTH	21 COOKED-NFS		P 1.000000	1.000000		3.00	0.030000
15003AC	BEANS-SUCC-MAX	21 COOKED-NFS		P 1.000000	1.000000		1.00	0.010000
15004AA	CORN, POP	21 COOKED-NFS	032	P 1.000000	0.002000	FDA MON	1.00	0.000020
15005AA	CORN, SWEET	10 RAW-FRESH OR NFS	032	P 1.000000	0.002000	FDA MON	1.00	0.000020
15005AA	CORN, SWEET	21 COOKED-NFS	032	P 1.000000	0.002000	FDA MON	1.00	0.000020
15006AA	PEANUTS-WHOLE	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000		1.00	0.010000
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS		P 1.000000	1.000000		1.00	0.010000
15006AA	PEANUTS-WHOLE	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
15007AA	PEAS DRY-GARDEN	22 COOKED-FRESH-BAKED		P 1.000000	1.000000		2.00	0.020000
15007AA	PEAS DRY-GARDEN	21 COOKED-NFS		P 1.000000	1.000000		3.00	0.030000
15009AA	PEAS SUCC-GARDEN	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000		2.00	0.020000
15009AA	PEAS SUCC-GARDEN	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000		2.00	0.020000
15011AA	LENTILES-WHOLE	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
15011AB	LENTILES-SPLIT	10 RAW-FRESH OR NFS		P 1.000000	1.000000		2.00	0.020000
15013AA	MUNG BEANS	21 COOKED-NFS		P 1.000000	1.000000		100.00	0.013000
15015AA	OKRA	25 COOKED-FRESH-FRIED		P 1.000000	0.013000	FDA MON	4.00	0.008000
15018AA	SUNFLOWER-SEEDS	10 RAW-FRESH OR NFS		P 1.000000	1.000000		2.00	0.020000
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		3.00	0.030000
15022AB	BEANS-SUCC-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000			

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 09/24/96

PAGE: 9

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 LET = 0.2500 mg/kg 5.00 ppm ONCO: Negative- 1 species		Decr RBC Ch; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenic- ity 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.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 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)
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
15027AA	BEANS-UNSPEC	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
15029AA	SOYBEAN-SPROUTED	00 NOT SPECIFIED (NO CONSUMPTION)	0F0878	P 0.100000	0.100000		1.00	0.001000
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		2.00	0.020000
15030AB	BEANS-SUCC-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		3.00	0.030000
15031AA	BLKEYE PEAS-DRY	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
15032AA	BEANS-DRY	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000		9.00	0.090000
16004AA	ONIONS-GREEN	10 RAW-FRESH OR NFS		P 1.000000	1.000000		9.00	0.090000
16004AA	ONIONS-GREEN	21 COOKED-NFS		P 1.000000	1.000000		9.00	0.090000
16004AA	ONIONS-GREEN	25 COOKED-FRESH-FRIED		P 1.000000	1.000000		1.00	0.010000
24001AA	BARLEY	21 COOKED-NFS		P 1.000000	1.000000		1.00	0.010000
24002EA	CORN, GRAIN-ENDO	10 RAW-FRESH OR NFS		P 1.000000	1.000000		1.00	0.010000
24002EA	CORN, GRAIN-ENDO	21 COOKED-NFS		P 1.000000	1.000000		1.00	0.010000
24002EA	CORN, GRAIN-ENDO	22 COOKED-FRESH-BAKED		P 1.000000	1.000000		1.00	0.010000
24002EA	CORN, GRAIN-ENDO	23 COOKED-FRESH-BOILED		P 1.000000	1.000000		1.00	0.010000
24002HA	CORN, GRAIN-BRAN	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		1.00	0.010000
24002SA	CORN SUGAR	10 RAW-FRESH OR NFS		P 1.000000	1.000000		1.00	0.010000
24002SA	CORN SUGAR	21 COOKED-NFS		P 1.000000	1.000000		1.00	0.010000
24002SA	CORN SUGAR	22 COOKED-FRESH-BAKED		P 1.000000	1.000000		1.00	0.010000
24003AA	OATS	22 COOKED-FRESH-BAKED		P 1.000000	1.000000		1.00	0.010000
24003AA	OATS	23 COOKED-FRESH-BOILED		P 1.000000	1.000000		1.00	0.010000
24003AA	OATS	21 COOKED-NFS		P 1.000000	1.000000		8.00	0.000160
24004AA	RICE-ROUGH	23 COOKED-FRESH-BOILED		P 1.000000	0.002000	FDA MON	8.00	0.000160
24004AA	RICE-ROUGH	21 COOKED-NFS		P 1.000000	0.002000	FDA MON	8.00	0.000160
24004AB	RICE-MILLED	22 COOKED-FRESH-BAKED		P 1.000000	0.002000	FDA MON	8.00	0.000160
24004AB	RICE-MILLED	23 COOKED-FRESH-BOILED		P 1.000000	0.002000	FDA MON	8.00	0.000160
24004AB	RICE-MILLED	31 COOKED-FRESH OR CANNED		P 1.000000	0.002000	FDA MON	8.00	0.000160
24006AA	SORGHUM	00 NOT SPECIFIED (NO CONSUMPTION)	1F1091	P 1.000000	0.100000		1.00	0.001000
24007AA	WHEAT-ROUGH	10 RAW-FRESH OR NFS		P 1.000000	0.000500	FDA MON	100.00	0.000500
24007AA	WHEAT-ROUGH	21 COOKED-NFS		P 1.000000	0.000500	FDA MON	100.00	0.000500
24007AA	WHEAT-ROUGH	22 COOKED-FRESH-BAKED		P 1.000000	0.000500	FDA MON	100.00	0.000500
24007AA	WHEAT-ROUGH	23 COOKED-FRESH-BOILED		P 1.000000	0.000500	FDA MON	100.00	0.000500
24007GA	WHEAT-GERM	10 RAW-FRESH OR NFS		P 1.000000	0.000500	FDA MON	100.00	0.000500
24007GA	WHEAT-GERM	22 COOKED-FRESH-BAKED		P 1.000000	0.000500	FDA MON	100.00	0.000500
24007HA	WHEAT-BRAN	10 RAW-FRESH OR NFS		P 1.000000	0.000500	FDA MON	100.00	0.000500
24007HA	WHEAT-BRAN	21 COOKED-NFS		P 1.000000	0.000500	FDA MON	100.00	0.000500
24007HA	WHEAT-BRAN	22 COOKED-FRESH-BAKED		P 1.000000	0.000500	FDA MON	100.00	0.000500
24007NA	WHEAT-FLOUR	10 RAW-FRESH OR NFS		P 1.000000	0.000500	FDA MON	100.00	0.000500

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 09/24/96

PAGE: 10

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 carcinogenicity in mice; rats pending	PADI UF -->100 OP RfD= 0.000250 EPA RfD= 0.000250			Chronic feeding- rat (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 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)
24007MA	WHEAT-FLOUR	21 COOKED-NFS	032	P 1.000000	0.000500	FDA MON	100.00	0.000500
24007MA	WHEAT-FLOUR	22 COOKED-FRESH-BAKED	032	P 1.000000	0.000500	FDA MON	100.00	0.000500
24007MA	WHEAT-FLOUR	25 COOKED-FRESH-FRIED	032	P 1.000000	0.000500	FDA MON	100.00	0.000500
25002SA	BEET SUGAR	10 RAW-FRESH OR NFS	1F1091	P 0.100000	0.100000		1.00	0.001000
25002SA	BEET SUGAR	21 COOKED-NFS	1F1091	P 0.100000	0.100000		1.00	0.001000
25002SA	BEET SUGAR	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.100000		1.00	0.001000
25002SA	BEET SUGAR	31 COOKED-FRESH OR CANNED	1F1091	P 0.100000	0.100000		1.00	0.001000
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
25003SB	SUGAR-MOLASSES	00 NOT SPECIFIED (NO CONSUMPTION)	1F1091	P 0.100000	0.100000		100.00	0.100000
26011AA	GLAR BEANS	00 NOT SPECIFIED (NO CONSUMPTION)	032	P 0.200000	0.200000		2.00	0.004000
270020A	CORN, GRAIN-OIL	18 PROCESSED OIL	0F0878	P 1.000000	1.000000		1.00	0.010000
270030A	COTTONSEED-OIL	18 PROCESSED OIL	0F0878	P 0.750000	0.750000		15.00	0.112500
270030A	COTTONSEED-MEAL	18 PROCESSED OIL	0F0878	P 0.750000	0.750000		15.00	0.112500
270070A	PEANUTS-OIL	18 PROCESSED OIL	1F1091	P 1.000000	1.000000		1.00	0.010000
270080A	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		1.00	0.001000
270110A	SUNFLOWER-OIL	18 PROCESSED OIL	0F0878	P 0.100000	0.100000		1.00	0.002000
270160A	OLIVE OIL	18 PROCESSED OIL	8E0718	P 0.200000	0.200000		100.00	1.000000
270170A	RAPE SEED	00 NOT SPECIFIED (NO CONSUMPTION)	3E1302	P 1.000000	1.000000		100.00	0.200000
28021AA	SOYBEANS-UNSPEC	21 COOKED-NFS	0F0878	P 0.200000	0.200000		1.00	0.001000
28023AB	SOYBEANS-DRY	10 RAW-FRESH OR NFS	0F0878	P 0.100000	0.100000		1.00	0.001000
28023AB	SOYBEANS-DRY	21 COOKED-NFS	0F0878	P 0.100000	0.100000		1.00	0.001000
28023AB	SOYBEANS-DRY	23 COOKED-FRESH-BOILED	0F0878	P 0.100000	0.100000		1.00	0.001000
28023AB	SOYBEANS-DRY	25 COOKED-FRESH-FRIED	0F0878	P 0.100000	0.100000		1.00	0.001000
28023AB	SOYBEANS-DRY	31 COOKED-FRESH OR CANNED	0F0878	P 0.100000	0.100000		1.00	0.001000
28023AB	SOYBEANS-DRY	00 NOT SPECIFIED (NO CONSUMPTION)	0F0878	P 0.100000	0.100000		1.00	0.001000
28023AA	SOY-FL, FULL FAT	21 COOKED-NFS	0F0878	P 0.100000	0.100000		1.00	0.001000
28023AA	SOY-FL, FULL FAT	22 COOKED-FRESH-BAKED	0F0878	P 0.100000	0.100000		1.00	0.001000
28023AA	SOY-FL, FULL FAT	31 COOKED-FRESH OR CANNED	0F0878	P 0.100000	0.100000		1.00	0.001000
28023AB	SOY-FL, LOW FAT	21 COOKED-NFS	0F0878	P 0.100000	0.100000		1.00	0.001000
28023AB	SOY-FL, LOW FAT	22 COOKED-FRESH-BAKED	0F0878	P 0.100000	0.100000		1.00	0.001000
28023AB	SOY-FL, LOW FAT	31 COOKED-FRESH OR CANNED	0F0878	P 0.100000	0.100000		1.00	0.001000
28023WC	SOY-FL, DEFAT	10 RAW-FRESH OR NFS	0F0878	P 0.100000	0.100000		1.00	0.001000
28023WC	SOY-FL, DEFAT	21 COOKED-NFS	0F0878	P 0.100000	0.100000		1.00	0.001000
28023WC	SOY-FL, DEFAT	22 COOKED-FRESH-BAKED	0F0878	P 0.100000	0.100000		1.00	0.001000
28023WC	SOY-FL, DEFAT	31 COOKED-FRESH OR CANNED	0F0878	P 0.100000	0.100000		1.00	0.001000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 09/24/96

PAGE: 11

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 carcinogenic- ity 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.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 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)
28023WC	SOY-FL,DEFAT	53 COOKED-CANNED-BOILED	0F0878	P 0.100000	0.100000		1.00	0.001000
43058AA	WINE AND SHERRY	10 RAW-FRESH OR NFS		P 1.000000	1.000000		6.00	0.060000
43058AA	WINE AND SHERRY	21 COOKED-NFS		P 1.000000	1.000000		6.00	0.060000

TABLE 2

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 1

CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Methyl parathion	Caswell #372	2yr feeding- rat	NOEL= 0.0250 mg/kg	Deer RBC CHE; Deer Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenicity in mice; rats pending.	PADI UF -->100	OP RfD= 0.000250	EPA RfD= 0.000250	Chronic feeding- dog (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.	WHO revised 1984	HED complete 10/10/86	EPA verified 12/09/86
CAS No. 298-00-0	A.I. CODE: 053501	LEL= 0.50 ppm	0.2500 mg/kg								
CFR No. 180.121		5.00 ppm									
		ONCO: Negative- 1 species								On IRIS.	
POPULATION SUBGROUP		TOTAL TMRC (MG/KG BODY WEIGHT/DAY)		NEW TMRC		DIFFERENCE		EFFECT OF ANTICIPATED RESIDUES			
		CURRENT TMRC*	NEW TMRC**	AS PERCENT OF RFD	AS PERCENT OF RFD	AS PERCENT OF RFD	ARC	2RFD			
U.S. POPULATION - 48 STATES		0.010103	0.010213	4085.207600	43.992800	0.000174	69.50840				
U.S. POPULATION - SPRING SEASON		0.009770	0.009873	3949.013600	40.944000	0.000177	70.74360				
U.S. POPULATION - SUMMER SEASON		0.010270	0.010378	4151.053200	43.196800	0.000171	68.28960				
U.S. POPULATION - FALL SEASON		0.010155	0.010270	4107.993200	46.042800	0.000178	71.37760				
U.S. POPULATION - WINTER SEASON		0.010180	0.010295	4117.894000	45.798800	0.000168	67.06800				
NORTHEAST REGION		0.011087	0.011202	4480.603200	45.622000	0.000173	69.05320				
NORTH CENTRAL REGION		0.009868	0.009982	3992.703600	45.636800	0.000161	64.48920				
SOUTHERN REGION		0.009069	0.009165	3666.066800	38.271200	0.000181	72.32560				
WESTERN REGION		0.010859	0.010982	4392.992800	49.321600	0.000180	71.85000				
HISPANICS		0.011759	0.011900	4759.980000	56.275200	0.000145	58.05680				
NON-HISPANIC WHITES		0.010042	0.010152	4060.824000	43.870000	0.000174	69.76400				
NON-HISPANIC BLACKS		0.009408	0.009504	3801.564400	38.401600	0.000181	72.43320				
NON-HISPANIC OTHERS		0.012096	0.012219	4887.628000	49.144000	0.000168	67.36120				
NURSING INFANTS (< 1 YEAR OLD)		0.016037	0.016179	6471.586400	56.705600	0.000100	39.98840				
NON-NURSING INFANTS (< 1 YEAR OLD)		0.028832	0.029489	11795.722800	263.030400	0.000240	96.07480				
FEMALES (13+ YEARS, PREGNANT)		0.007766	0.007844	3137.732400	31.293200	0.000112	44.66280				
FEMALES 13+ YEARS, NURSING		0.008830	0.008933	3573.191200	41.334800	0.000166	66.58800				
CHILDREN (1-6 YEARS OLD)		0.023353	0.023672	9468.929200	127.923600	0.000377	150.79960				
CHILDREN (7-12 YEARS OLD)		0.014754	0.014948	5979.233600	77.719200	0.000242	96.63960				
MALES (13-19 YEARS OLD)		0.009067	0.009188	3675.019200	48.328000	0.000155	62.07640				
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)		0.008057	0.008148	3259.281600	36.675600	0.000142	56.84840				
MALES (20 YEARS AND OLDER)		0.007230	0.007290	2916.164800	23.994800	0.000140	56.10680				
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)		0.007452	0.007505	3002.197200	21.334400	0.000135	54.04320				

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

TABLE 3

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 1

CHEMICAL INFORMATION		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 LEL= 0.50 ppm 0.2500 mg/kg 5.00 ppm		Deer RBC CHE; Deer Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenicity in mice; rats pending		PAD1 UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250		Chronic feeding- dog (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 On IRIS.	
COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)											
FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)		ARC (UG/KG/DAY)	%RFD		
06001AA	AVOCADOS	1.000	P	0.010664	4.266	0.01500	0.000160	0.064			
	10 RAW-FRESH OR NFS										
06004AA	DATES	1.000	P	0.000681	0.272	1.00000	0.000590	0.236			
	10 RAW-FRESH OR NFS					1.00000	0.000059	0.024			
	21 COOKED-NFS					1.00000	0.000033	0.013			
	22 COOKED-FRESH-BAKED										
06005AA	FIGS	1.000	P	0.005441	2.176	1.00000	0.002608	1.043			
	10 RAW-FRESH OR NFS					1.00000	0.000134	0.054			
	21 COOKED-NFS					1.00000	0.002699	1.080			
	22 COOKED-FRESH-BAKED										
06006AA	GUAVA	1.000	P	0.000000	0.000	1.00000	0.000000	0.000			
	10 RAW-FRESH OR NFS					1.00000	0.000000	0.000			
	21 COOKED-NFS					1.00000	0.000000	0.000			
	62 COOKED-FRESH OR FROZEN-BAKED										
06007AA	MANGOES	1.000	P	0.000743	0.297	1.00000	0.000743	0.297			
	10 RAW-FRESH OR NFS					1.00000	0.000000	0.000			
	21 COOKED-NFS										
06009AA	OLIVES	1.000	P	0.006009	2.404	1.00000	0.001943	0.777			
	10 RAW-FRESH OR NFS					1.00000	0.003965	1.586			
	11 RAW-FRESH-PICKLED,CORNEED,OR CURED					1.00000	0.000101	0.040			
	21 COOKED-NFS										
06013AA	PINEAPPLE-FRESH,PULP	1.000	P	0.053679	21.472	0.00800	0.000107	0.043			
	10 RAW-FRESH OR NFS					0.00800	0.000008	0.003			
	21 COOKED-NFS					0.00800	0.000314	0.126			
06013DA	PINEAPPLE-DRIED	1.000	P	0.000347	0.139	0.00800	0.000003	0.001			
	10 RAW-FRESH OR NFS										
06013JA	PINEAPPLE-FRESH,JUICE	1.000	P	0.245037	98.015	0.00800	0.000000	0.000			
	10 RAW-FRESH OR NFS					0.00800	0.000896	0.358			
	15 RAW-FRESH OR CANNED					0.00800	0.000010	0.004			
	21 COOKED-NFS					0.00800	0.001055	0.422			
	31 COOKED-FRESH OR CANNED										
08020AA	HOPS	1.000	P	0.000021	0.008	1.00000	0.000021	0.008			
	21 COOKED-NFS										
08028AA	MUSTARD SEED	0.200	P	0.000300	0.120	0.20000	0.000300	0.120			
	11 RAW-FRESH-PICKLED,CORNEED,OR CURED					0.20000	0.000000	0.000			
	21 COOKED-NFS										
13016AA	FENNEL	1.000	P	0.000000	0.000	0.00100	0.000000	0.000			
	00 NOT SPECIFIED (NO CONSUMPTION)										
13018AA	ARTICHOKES-GLOBE	1.000	P	0.003177	1.271	0.90000	0.002859	1.144			
	21 COOKED-NFS										

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 2

CHEMICAL INFORMATION		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 carcinogenicity 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.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 On IRIS.	
COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)											
FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD			
15015AA	OKRA	1.000	P	0.016555	6.622	0.01300	0.000200	0.080			
	21 COOKED-NFS					0.01300	0.000015	0.006			
15018AA	SUNFLOWER-SEEDS	0.200	P	0.000487	0.195	0.00800	0.000019	0.008			
	10 RAW-FRESH OR NFS					0.10000	0.016281	6.512			
	21 COOKED-NFS					0.10000	0.040268	16.107			
	22 COOKED-FRESH-BAKED					0.10000	0.034139	13.656			
	31 COOKED-FRESH OR CANNED					0.10000	0.090617	36.247			
25003SB	SUGAR-MOLASSES	0.100	P	0.002345	0.938	0.10000	0.000000	0.000			
	10 RAW-FRESH OR NFS					0.10000	0.000640	0.256			
	21 COOKED-NFS					0.10000	0.001232	0.493			
	22 COOKED-FRESH-BAKED					0.10000	0.000473	0.189			
	31 COOKED-FRESH OR CANNED					0.00400	0.000000	0.000			
26011AA	GUAR BEANS	0.200	P	0.000000	0.000	0.11250	0.004090	1.636			
	00 NOT SPECIFIED (NO CONSUMPTION)					0.11250	0.000058	0.023			
27003OA	COTTONSEED-OIL	0.750	P	0.027266	10.906	0.10000	0.000000	0.000			
	18 PROCESSED OIL					0.10000	0.000248	0.099			
27003MA	COTTONSEED-MEAL	0.750	P	0.000383	0.153	0.00200	0.000009	0.004			
	18 PROCESSED OIL					1.00000	0.012718	5.087			
27008AA	SAFFLOWER-SEED	0.100	P	0.000000	0.000	0.06000	0.000557	0.223			
	00 NOT SPECIFIED (NO CONSUMPTION)					0.06000	0.000002	0.001			
27008OA	SAFFLOWER-OIL	0.100	P	0.000248	0.099	0.20000	0.000000	0.000			
	18 PROCESSED OIL					0.00200	0.000009	0.004			
27011OA	SUNFLOWER-OIL	0.200	P	0.000894	0.358	0.00200	0.000009	0.004			
	18 PROCESSED OIL					1.00000	0.012718	5.087			
27016OA	OLIVE OIL	1.000	P	0.012718	5.087	0.20000	0.000000	0.000			
	18 PROCESSED OIL					0.200	0.000000	0.000			
27017AA	RAPE SEED	0.200	P	0.000000	0.000	0.20000	0.000000	0.000			
	00 NOT SPECIFIED (NO CONSUMPTION)					0.20000	0.000000	0.000			
43058AA	WINE AND SHERRY	1.000	P	0.009316	3.726	0.06000	0.000557	0.223			
	10 RAW-FRESH OR NFS					0.06000	0.000002	0.001			
	21 COOKED-NFS					0.06000	0.000002	0.001			
CROP GROUP TOTALS FOR UNSPECIFIED:					0.577616	231.046	0.220174	88.070			

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 3

CHEMICAL INFORMATION			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		Decr RBC CHE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenicity 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.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 On IRIS.	
COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)												
FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD				
14001AA	BEETS-ROOTS	1.000	P	0.022277	8.911	0.00013	0.000000	0.000				
	10 RAW-FRESH OR NFS					0.00013	0.000002	0.001				
	21 COOKED-NFS					0.00013	0.000000	0.000				
	26 COOKED-FRESH-PICKLED,CORNEED,OR CURED					0.00013	0.000000	0.000				
14003AA	CARROTS	1.000	P	0.333235	133.294	0.00300	0.000179	0.072				
	10 RAW-FRESH OR NFS					0.00300	0.000333	0.133				
	21 COOKED-NFS					0.00300	0.000049	0.020				
	23 COOKED-FRESH-BOILED					0.00300	0.000199	0.080				
	31 COOKED-FRESH OR CANNED					0.00300	0.000239	0.096				
14013AA	POTATOES(WHITE)-WHOLE	0.100	P	0.057998	23.199	0.00007	0.000006	0.002				
	10 RAW-FRESH OR NFS					0.00007	0.000018	0.007				
	21 COOKED-NFS					0.00007	0.000017	0.007				
14013AB	POTATOES(WHITE)-UNSPECIFIED	0.100	P	0.000019	0.008	0.00007	0.000000	0.000				
	22 COOKED-FRESH-BAKED					0.00007	0.000011	0.004				
	22 COOKED-FRESH-BOILED					0.00007	0.000005	0.002				
	23 COOKED-FRESH-BOILED					0.00007	0.000061	0.024				
14013AC	POTATOES(WHITE)-PEELED	0.100	P	0.164854	65.942	0.00007	0.000038	0.015				
	21 COOKED-NFS					0.00007	0.000001	0.000				
	22 COOKED-FRESH-BAKED					0.00007	0.000001	0.000				
	23 COOKED-FRESH-BOILED					0.00007	0.000000	0.000				
14013DA	POTATOES(WHITE)-DRY	0.100	P	0.002212	0.885	0.00007	0.000001	0.000				
	10 RAW-FRESH OR NFS					0.00007	0.000001	0.000				
	31 COOKED-FRESH OR CANNED					0.00007	0.000000	0.000				
14013HA	POTATOES(WHITE)-PEEL ONLY	0.100	P	0.000000	0.000	0.00007	0.000000	0.000				
	22 COOKED-FRESH-BAKED					0.00007	0.000000	0.000				
14014AA	RADISHES-ROOTS	1.000	P	0.000045	0.018	0.00000	0.000045	0.018				
	10 RAW-FRESH OR NFS					0.00000	0.000000	0.000				
14015AA	RUTABAGAS-ROOTS	1.000	P	0.010727	4.291	0.00000	0.010727	4.291				
	10 RAW-FRESH OR NFS					0.00000	0.000000	0.000				
14018AA	SWEETPOTATOES (INCLUDING YAMS)	0.100	P	0.006668	2.667	0.00000	0.005249	2.100				
	21 COOKED-NFS					0.00000	0.001047	0.419				
	31 COOKED-FRESH OR CANNED					0.00000	0.000372	0.149				
14019AA	TURNIPS-ROOTS	1.000	P	0.009349	3.740	0.00000	0.000547	0.219				
	10 RAW-FRESH OR NFS					0.00000	0.008803	3.521				
	21 COOKED-NFS					0.00000	0.000000	0.000				
14021AA	PARSNIPS	1.000	P	0.000000	0.000	0.00000	0.000000	0.000				
	21 COOKED-NFS					0.00000	0.000000	0.000				

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 4

CHEMICAL INFORMATION			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		Deer RBC ChE; Deer Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenicity 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.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 18	
COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)												
FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD				
CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:												
25002SA	BET SUGAR	0.100	P	0.081838	32.735	0.00100	0.000073	0.029				
	10 RAW-FRESH OR NFS					0.00100	0.000182	0.073				
	21 COOKED-NFS					0.00100	0.000154	0.062				
	22 COOKED-FRESH-BAKED					0.00100	0.000409	0.164				
	31 COOKED-FRESH OR CANNED											
CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:												
				0.689222	275.689		0.028767	11.507				
13001AA	BETS-TOPS(GREENS)	1.000	P	0.000359	0.144	0.01000	0.000004	0.002				
	31 COOKED-FRESH OR CANNED					0.01000	0.000000	0.000				
13026AA	TURNIPS-TOPS	1.000	P	0.018349	7.340	0.01300	0.000075	0.030				
	10 RAW-FRESH OR NFS					0.01300	0.000046	0.018				
	21 COOKED-NFS					0.01300	0.000118	0.047				
14014AB	RADISHES-TOPS	1.000	P	0.000000	0.000	1.00000	0.000000	0.000				
	00 NOT SPECIFIED (NO CONSUMPTION)											
14015AB	RUTABAGAS-TOPS	1.000	P	0.000000	0.000	1.00000	0.000000	0.000				
	00 NOT SPECIFIED (NO CONSUMPTION)											
CROP GROUP TOTALS FOR LEAVES OF ROOT AND TUBER VEG.:												
				0.018708	7.483		0.000243	0.097				
14007AA	GARLIC	1.000	P	0.001610	0.644	0.01200	0.000000	0.000				
	10 RAW-FRESH OR NFS					0.01200	0.000014	0.006				
	21 COOKED-NFS					0.01200	0.000005	0.002				
14010AA	LEEKS	1.000	P	0.000000	0.000	0.40000	0.000000	0.000				
	31 COOKED-FRESH OR CANNED											
14011AA	ONIONS-DRY-BULB (CIPOLLINI)	1.000	P	0.179063	71.625	0.00108	0.000014	0.006				
	10 RAW-FRESH OR NFS					0.00108	0.000138	0.055				
	21 COOKED-NFS					0.00108	0.000024	0.010				
	22 COOKED-FRESH-BAKED					0.00108	0.000017	0.007				
14011DA	ONIONS-DEHYDRATED OR DRIED	1.000	P	0.001444	0.578	0.00108	0.000002	0.001				
	12 RAW-FRESH-DRIED											
16004AA	ONIONS-GREEN	1.000	P	0.001500	0.600	0.09000	0.000118	0.047				
	10 RAW-FRESH OR NFS					0.09000	0.000009	0.004				
	21 COOKED-NFS					0.09000	0.000008	0.003				
	25 COOKED-FRESH-FRIED											
CROP GROUP TOTALS FOR BULB VEGETABLES:												
				0.183617	73.447		0.000349	0.140				

CHEMICAL INFORMATION		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 CH; Decr Ht & Hb; tentative pending submission of data for sciatric nerve changes. No evidence of carcinogenic- ity in mice; rats pending		PADI UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250		Chronic feeding- dog (Core-supplementary) ADl is tentative pending evaluation of sciatric nerve effects.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 On IRIS.	

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
13002AA	CELERY 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.079929	31.972	0.00100 0.00100	0.000060 0.000020	0.024 0.008
13013AA	LETTUCE-LEAFY VARIETIES 10 RAW-FRESH OR NFS 10 RAW-FRESH AND ESCAROLE	1.000	P	0.002778	1.111	0.00006 1.00000	0.000000 0.000123	0.000 0.049
13015AA	ENDIVE,CURLEY AND ESCAROLE 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.000384	0.154	1.00000 1.00000	0.000261 0.000261	0.104 0.104
13020AA	LETTUCE-UNSPECIFIED 10 RAW-FRESH OR NFS PARSLEY	1.000	P	0.014126	5.650	0.00006 1.00000	0.000001 0.001883	0.000 0.753
13022AA	10 RAW-FRESH OR NFS 21 COOKED-NFS 53 COOKED-CANNED-BOILED	1.000	P	0.008525	3.410	1.00000 1.00000 1.00000	0.006032 0.000611 0.000020	2.413 0.244 0.008
13024AA	SPINACH 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.054770	21.884	0.00200 0.00200 0.00200	0.000017 0.000017 0.000072	0.007 0.029
13025AA	SWISS CHARD 10 RAW-FRESH OR NFS 31 COOKED-FRESH OR CANNED	1.000	P	0.000829	0.332	1.00000 1.00000 1.00000	0.000000 0.000829 0.000000	0.000 0.332 0.000
13045AA	LETTUCE-HEAD VARIETIES 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.161203	64.481	0.00006 0.00006	0.000009 0.000000	0.004 0.000
CROP GROUP TOTALS FOR LEAFY VEGETABLES (EXCL. BRASSICAE):				0.322484	128.994	0.009938		3.975
13005AA	BROCCOLI 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	1.000	P	0.068341	27.336	0.00002 0.00002 0.00002	0.000000 0.000001 0.000000	0.000 0.000 0.000
13006AA	BRUSSEL SPROUTS 21 COOKED-NFS 23 COOKED-FRESH-BOILED	1.000	P	0.005831	2.332	0.00026 0.00026	0.000000 0.000001	0.000 0.000
13007AA	CABBAGE-GREEN AND RED 10 RAW-FRESH OR NFS 11 RAW-FRESH-PICKLED,CORNED,OR CURED	1.000	P	0.098405	39.362	0.02000 0.02000 0.02000	0.000677 0.000122 0.001169	0.271 0.049 0.468
13008AA	CAULIFLOWER 10 RAW-FRESH OR NFS	1.000	P	0.016890	6.756	0.00018	0.000000	0.000

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 6

CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Methyl parathion	Caswell #372	2yr feeding- rat	NOEL= 0.0250 mg/kg	Decr RBC CHE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenicity in mice; rats pending	PADI UF -->100	OPR RfD= 0.000250	EPA RfD= 0.000250	Chronic feeding- dog (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.	WHO reviewed 1984	HED complete 10/10/86	EPA verified 12/09/86
CAS No. 298-00-0	A.I. CODE: 053501	LEL= 0.2500 mg/kg	5.00 ppm								
CFR No. 180.121	ONCO: Negative- 1 species									On IRIS.	

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
13009AA	21 COOKED-NFS COLLARDS	1.000	P	0.031161	12.464	0.00018	0.000003	0.001
13010AA	51 COOKED-CANNED 63 COOKED-FRESH OR FROZEN-BOILED CABBAGE-CHINESE/CELERY, INC. BOK CHOY 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.012899	5.160	0.00024	0.000007	0.003
13011AA	KALE 63 COOKED-FRESH OR FROZEN-BOILED	1.000	P	0.000825	0.330	0.02000	0.000017	0.007
13012AA	KOHLRABI 21 COOKED-NFS	1.000	P	0.000000	0.000	0.02000	0.000000	0.000
13021AA	MUSTARD GREENS 21 COOKED-NFS 63 COOKED-FRESH OR FROZEN-BOILED	1.000	P	0.019110	7.644	0.00024	0.000000	0.000
						0.00024	0.000005	0.002
CROP GROUP TOTALS FOR BRASSICA (COLE) LEAFY VEGETABLES:				0.253462	101.385		0.002260	0.904
15001AA	BEANS-DRY-GREAT NORTHERN 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.02000	0.000000	0.000
15001AB	BEANS-DRY-KIDNEY 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	1.000	P	0.029294	11.718	0.02000	0.000573	0.229
15001AC	BEANS-DRY-LIMA 21 COOKED-NFS	1.000	P	0.014043	5.617	0.02000	0.000281	0.112
15001AD	BEANS-DRY-NAVY (PEA) 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	1.000	P	0.087806	35.122	0.02000	0.000356	0.142
15001AE	BEANS-DRY-OTHER 21 COOKED-NFS 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED	1.000	P	0.078555	31.422	0.02000	0.000591	0.236
15001AF	BEANS-DRY-PINTO 21 COOKED-NFS	1.000	P	0.086905	34.762	0.02000	0.000311	0.124
15002AA	BEANS-SUCCULENT-LIMA 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.038633	15.453	0.02000	0.000669	0.268
15003AA	BEANS-SUCCULENT-GREEN 21 COOKED-NFS	1.000	P	0.343405	137.362	0.03000	0.001738	0.695
15003AB	BEANS-SUCCULENT-OTHER 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.043819	17.528	0.03000	0.000000	0.000
						0.03000	0.010302	4.121
						0.03000	0.000000	0.000
						0.03000	0.001315	0.526

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 7

CHEMICAL INFORMATION		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 carcinogenicity 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.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
15003AC	BEANS-SUCCULENT-YELLOW, MAX	1.000	P	0.012414	4.966	0.03000	0.000372	0.149
15006AA	PEANUTS-WHOLE	1.000	P	0.226914	90.766	0.01000	0.000018	0.007
	10 RAW-FRESH OR NFS					0.01000	0.002119	0.848
	21 COOKED-NFS					0.01000	0.000133	0.053
15007AA	PEAS(GARDEN)-MATURE SEEDS, DRY	1.000	P	0.003066	1.226	0.02000	0.000008	0.003
	21 COOKED-NFS					0.02000	0.000054	0.022
15009AA	PEAS(GARDEN)-GREEN IMMATURE	1.000	P	0.372979	149.192	0.03000	0.010013	4.005
	21 COOKED-NFS					0.03000	0.001176	0.470
15011AA	LENTILES-WHOLE	1.000	P	0.001091	0.436	0.02000	0.000022	0.009
15011AB	LENTILES-SPLIT	1.000	P	0.000000	0.000	0.02000	0.000000	0.000
15013AA	MUNG BEANS (SPROUTS)	1.000	P	0.008333	3.333	0.02000	0.000032	0.013
	10 RAW-FRESH OR NFS					0.02000	0.000135	0.054
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED)	1.000	P	0.000000	0.000	0.02000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)					0.03000	0.000000	0.000
15022AB	BEANS-SUCCULENT-BROADBEANS(IMMAT. SEED)	1.000	P	0.000000	0.000	0.02000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)					0.02000	0.000000	0.000
15023AA	BEANS-DRY-PIGEON BEANS	1.000	P	0.010745	4.298	0.02000	0.000215	0.086
15027AA	BEANS-UNSPECIFIED	1.000	P	0.000000	0.000	0.02000	0.000000	0.000
15029AA	SOYBEANS-SPROUTED SEEDS	1.000	P	0.000000	0.000	0.02000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)					0.02000	0.000000	0.000
15030AA	BEANS-DRY-HYACINTH(MATURE SEEDS)	1.000	P	0.000000	0.000	0.02000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)					0.03000	0.000000	0.000
15030AB	BEANS-SUCCULENT-HYACINTH(YOUNG PODS)	1.000	P	0.003510	1.404	0.02000	0.000070	0.028
15031AA	BEANS-DRY-BLACKEYE PEAS(COPEAS)	1.000	P	0.001154	0.462	0.02000	0.000014	0.006
15032AA	BEANS-DRY-GARBANZO(CHICK PEA)	1.000	P	0.008339	3.336	0.01000	0.000083	0.033
270070A	PEANUTS-OIL	1.000	P	0.059736	23.894	0.00100	0.000597	0.239
270100A	SOYBEANS-OIL	0.100	P					
	18 PROCESSED OIL							
	18 PROCESSED OIL							

CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Methyl parathion	Caswell #372	2yr feeding- rat	Decr RBC ChE; Decr Ht &	PADI	UF -->100	Chronic feeding- dog	WHO reviewed 1984				
Caswell #372		MODEL=	Hb; tentative pending	OPP	RTD= 0.000250	Chronic feeding- rat	HED complete 10/10/86				
CAS NO. 298-00-0		0.50 ppm	submission of data for	EPA	RTD= 0.000250	(Core-supplementary)	EPA verified 12/09/86				
A.I. CODE: 053501		LEL=	sciatric nerve changes. No			AD1 is tentative pending					
CR No. 180.121		0.2500 mg/kg	evidence of carcinogenic-			evaluation of sciatic					
		5.00 ppm	ity in mice; rats pending			nerve effects.					
		ONCO: Negative- 1 species									

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
28023AA	SOYBEANS-UNSPECIFIED	0.100	P	0.000061	0.024	0.00100	0.000001	0.000
	21 COOKED-NFS					0.00100	0.000000	0.000
28023AB	SOYBEANS-MATURE, SEEDS DRY	0.100	P	0.000075	0.030	0.00100	0.000000	0.000
	10 RAW-FRESH OR NFS					0.00100	0.000000	0.000
	21 COOKED-NFS					0.00100	0.000000	0.000
	23 COOKED-FRESH-BOILED					0.00100	0.000000	0.000
	25 COOKED-FRESH-FRIED					0.00100	0.000000	0.000
28023WA	SOYBEANS-FLOUR, FULL FAT	0.100	P	0.000691	0.276	0.00100	0.000001	0.000
	21 COOKED-NFS					0.00100	0.000004	0.002
	22 COOKED-FRESH-BAKED					0.00100	0.000001	0.000
28023WB	SOYBEANS-FLOUR, LOW FAT	0.100	P	0.000118	0.047	0.00100	0.000001	0.000
28023WC	SOYBEANS-FLOUR, DEFATTED	0.100	P	0.002936	1.174	0.00100	0.000000	0.000
	10 RAW-FRESH OR NFS					0.00100	0.000001	0.000
	21 COOKED-NFS					0.00100	0.000011	0.004
	22 COOKED-FRESH-BAKED					0.00100	0.000006	0.002
	51 COOKED-CANNED					0.00100	0.000010	0.004
	53 COOKED-CANNED-BOILED							
CROP GROUP TOTALS FOR LEGUME VEGETABLES:					1.434622	573.849	0.033814	13.526
11001AA	EGGPLANT	1.000	P	0.002128	0.851	0.00016	0.000000	0.000
	10 RAW-FRESH OR NFS					0.00016	0.000000	0.000
	21 COOKED-NFS					0.00016	0.000000	0.000
11003AA	PEPPERS, SWEET, GARDEN	1.000	P	0.034216	13.686	0.02000	0.000187	0.075
	10 RAW-FRESH OR NFS					0.02000	0.000497	0.199
11003AB	CHILI PEPPERS	1.000	P	0.000000	0.000	0.02000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)					0.02000	0.000004	0.002
11003AD	PEPPERS-OTHER	1.000	P	0.005386	2.154	0.02000	0.000102	0.041
	10 RAW-FRESH OR NFS					0.02000	0.000002	0.001
	21 COOKED-NFS					0.02000	0.000017	0.007
11004AA	PIMIENTOS	1.000	P	0.002949	1.180	0.02000	0.000027	0.011
	10 RAW-FRESH OR NFS					0.02000	0.000015	0.006
11005AA	TOMATOES-WHOLE	1.000	P	0.800248	320.099	0.00001	0.000002	0.001
	10 RAW-FRESH OR NFS							

CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Methyl parathion	Caswell #372	2yr feeding- rat	NOEL= 0.0250 mg/kg	Deer RBC Che; Deer Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenicity in mice; rats pending	PADI UF -->100	OPR RfD= 0.000250	EPA RfD= 0.000250	Chronic feeding- dog (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.	WHO reviewed 1984	HED complete 10/10/86	EPA verified 12/09/86
CAS No. 298-00-0	A.I. CODE: 053501	LEI= 0.2500 mg/kg	5.00 ppm								
CFR No. 180.121		ONCO: Negative- 1 species									

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
11005JA	21 COOKED-NFS 31 COOKED-FRESH OR CANNED TOMATOES- JUICE	1.000	P	0.059447	23.779	0.00001 0.00001	0.000004 0.000001	0.002 0.000
11005RA	10 RAW-FRESH OR NFS 21 COOKED-NFS TOMATOES-PUREE	1.000	P	1.144825	457.930	0.00001 0.00001	0.000000 0.000001	0.000 0.000
11005TA	10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED 32 COOKED-FRESH OR CANNED-BAKED 51 COOKED-CANNED TOMATOES-PASTE	1.000	P	0.530855	212.342	0.00001 0.00001 0.00001 0.00001 0.00001	0.000000 0.000006 0.000001 0.000001 0.000003	0.000 0.002 0.000 0.000 0.001
11005UA	21 COOKED-NFS 22 COOKED-FRESH-BAKED 31 COOKED-FRESH OR CANNED TOMATOES-CATSUP	1.000	P	0.273173	109.269	0.00001 0.00001 0.00001	0.000004 0.000000 0.000001	0.002 0.000 0.000
CROP GROUP TOTALS FOR FRUITING VEGETABLES (EXCL. CUCURBITS):					2.853227	1141.291	0.000878	0.351
10002AA	CANTALOUPES-UNSPECIFIED 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.00006	0.000000	0.000
10002AB	CANTALOUPES-PULP 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.040664	16.266	0.00006 0.00006	0.000002 0.000000	0.001 0.000
10003AA	CASABAS 10 RAW-FRESH OR NFS	1.000	P	0.000000	0.000	0.01000	0.000000	0.000
10004AA	CRENSHAUS 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.01000	0.000000	0.000
10005AA	HONEYDEW MELONS 10 RAW-FRESH OR NFS	1.000	P	0.033032	13.213	0.00009	0.000003	0.001
10007AA	PERSTON MELONS 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.01000	0.000000	0.000
10008AA	WATERMELON 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.140610	56.244	0.00008 0.00008	0.000011 0.000000	0.004 0.000
10010AA	CUCUMBERS 10 RAW-FRESH OR NFS 11 RAW-FRESH-PICKLED,CORNEED,OR CURED 21 COOKED-NFS	1.000	P	0.100358	40.143	0.01000 0.01000 0.01000	0.000484 0.000488 0.000031	0.194 0.195 0.012
10011AA	PUMPKIN 21 COOKED-NFS	1.000	P	0.006163	2.465	0.01000	0.000000	0.000

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 10

CHEMICAL INFORMATION		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		Decr RBC ChE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenic- ity 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.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86	23
ONCO: Negative- 1 species											

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
CROP GROUP TOTALS FOR FRUITING VEGETABLES (CUCURBITS):							
02001AA	CITRUS CITRON	1.000	0.000146	0.058	0.01000	0.000001	0.000
02002AA	GRAPEFRUIT-FRESH-BAKED	1.000	0.000000	0.000	0.00016	0.000000	0.000
02002AB	GRAPEFRUIT-UNSPECIFIED	1.000	0.000000	0.000	0.00016	0.000000	0.000
02002AB	GRAPEFRUIT-PULP	1.000	0.043653	17.461	0.00016	0.000007	0.003
02002AB	10 RAW-FRESH OR NFS	1.000	0.043653	17.461	0.00016	0.000000	0.000
02002AB	21 COOKED-NFS	1.000	0.043653	17.461	0.00016	0.000000	0.000
02002JA	GRAPEFRUIT-JUICE	1.000	0.140331	56.132	0.00016	0.000020	0.008
02002JA	15 RAW-FRESH OR CANNED	1.000	0.140331	56.132	0.00016	0.000003	0.001
02003AA	31 COOKED-FRESH OR CANNED	1.000	0.000000	0.000	0.00016	0.000000	0.000
02003AA	KUMQUATS	1.000	0.000000	0.000	0.02000	0.000000	0.000
02004AA	10 RAW-FRESH OR NFS	1.000	0.003940	1.576	0.00018	0.000001	0.000
02004AA	LEMONS-UNSPECIFIED	1.000	0.003940	1.576	0.00018	0.000001	0.000
02004AB	10 RAW-FRESH OR NFS	1.000	0.000156	0.062	0.00018	0.000000	0.000
02004AB	22 COOKED-FRESH-BAKED	1.000	0.000156	0.062	0.00018	0.000000	0.000
02004AA	10 RAW-FRESH OR NFS	1.000	0.000041	0.016	0.00018	0.000000	0.000
02004AA	31 COOKED-FRESH OR CANNED	1.000	0.000041	0.016	0.00018	0.000000	0.000
02004JA	10 RAW-FRESH OR NFS	1.000	0.000041	0.016	0.00018	0.000000	0.000
02004JA	21 COOKED-NFS	1.000	0.000041	0.016	0.00018	0.000000	0.000
02004JA	LEMONS-JUICE	1.000	0.049111	19.644	0.00018	0.000002	0.001
02004JA	10 RAW-FRESH OR NFS	1.000	0.049111	19.644	0.00018	0.000001	0.000
02004JA	15 RAW-FRESH OR CANNED	1.000	0.049111	19.644	0.00018	0.000001	0.000
02004JA	21 COOKED-NFS	1.000	0.049111	19.644	0.00018	0.000003	0.001

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 11

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS
Methyl parathion	Caswell #372	2yr feeding- rat	Decr RBC ChE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenicity 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.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 On IRIS.
Caswell #372	CAS No. 298-00-0	NOEL= 0.0250 mg/kg							
A.I. CODE: 053501		LEL= 0.2500 mg/kg							
CFR No. 180.121		5.00 ppm							
		ONCO: Negative- 1 species							

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
02005AA	31 COOKED-FRESH OR CANNED LIMES-UNSPECIFIED	1.000	P	0.000000	0.000	0.00018	0.000004	0.002
02005AB	00 NOT SPECIFIED (NO CONSUMPTION) LIMES-PULP	1.000	P	0.000000	0.000	0.00020	0.000000	0.000
02005HA	10 RAW-FRESH OR NFS LIMES-PEEL	1.000	P	0.000000	0.000	0.00020	0.000000	0.000
02005JA	21 COOKED-NFS LIMES-JUICE	1.000	P	0.006519	2.608	0.00020	0.000000	0.000
02006AA	10 RAW-FRESH OR NFS 15 RAW-FRESH OR CANNED 31 COOKED-FRESH OR CANNED ORANGES-UNSPECIFIED	1.000	P	0.000000	0.000	0.00016	0.000000	0.000
02006AB	00 NOT SPECIFIED (NO CONSUMPTION) ORANGES-PULP	1.000	P	0.360201	152.080	0.00016	0.000061	0.024
02006HA	10 RAW-FRESH OR NFS 21 COOKED-NFS ORANGES-PEEL	1.000	P	0.000347	0.139	0.00016	0.000000	0.000
02006JA	15 RAW-FRESH OR CANNED 31 COOKED-FRESH OR CANNED ORANGES-JUICE	1.000	P	5.913320	2365.328	0.00016	0.000913	0.365
02007AA	10 RAW-FRESH OR NFS 31 COOKED-FRESH OR CANNED TANGELOS	1.000	P	0.007210	2.884	0.00016	0.000034	0.014
02008AA	10 RAW-FRESH OR NFS TANGERINES	1.000	P	0.022532	9.013	0.00030	0.000007	0.003
02008JA	15 RAW-FRESH OR CANNED TANGERINE-JUICE	1.000	P	0.000000	0.000	0.00030	0.000000	0.000
CROP GROUP TOTALS FOR CITRUS FRUITS:				6.567507	2627.003	*0.001202		0.481
04001AA	APPLES-FRESH	1.000	P	1.227712	491.085	0.00160	0.001398	0.559
	10 RAW-FRESH OR NFS 21 COOKED-NFS					0.00160	0.000012	0.005
	31 COOKED-FRESH OR CANNED 62 COOKED-FRESH OR FROZEN-BAKED					0.00160	0.000510	0.204
04001DA	APPLES-DRIED	1.000	P	0.002728	1.091	0.00160	0.000044	0.018
	10 RAW-FRESH OR NFS 22 COOKED-FRESH-BAKED					0.00160	0.000000	0.000
	62 COOKED-FRESH OR FROZEN-BAKED					0.00160	0.000001	0.000

24

CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Methyl parathion		2yr feeding- rat		Deer RBC ChE; Deer Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenicity in mice; rats pending		PADI UF -->100		Chronic feeding- dog		WHO reviewed 1984	
Caswell #372		NOEL=	0.0250 mg/kg			OPP RfD= 0.000250		Chronic feeding- rat		HED complete 10/10/86	
CAS No. 298-00-0			0.50 ppm			EPA RfD= 0.000250		(Core-supplementary)		EPA verified 12/09/86	
A.I. CODE: 053501		LEL=	0.2500 mg/kg					ADI is tentative pending evaluation of sciatic nerve effects.			
CFR No. 180.121			5.00 ppm							On IRIS.	
		ONCO: Negative- 1 species									

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
04001JA	APPLES-JUICE	1.000	P	1.491004	596.402	0.00120	0.001056	0.422
	15 RAW-FRESH OR CANNED					0.00120	0.000137	0.055
04003AA	PEARS-FRESH	1.000	P	0.262123	106.849	0.00042	0.000046	0.018
	10 RAW-FRESH OR NFS					0.00042	0.000048	0.019
	31 COOKED-FRESH OR CANNED					0.00042	0.000017	0.007
	51 COOKED-CANNED					0.00042	0.000000	0.000
04003DA	PEARS-DRIED	1.000	P	0.000000	0.000	0.00042	0.000000	0.000
	10 RAW-FRESH OR NFS					0.00042	0.000000	0.000
04004AA	QUINCES	1.000	P	0.000000	0.000	1.00000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)							
CROP GROUP TOTALS FOR POME FRUITS:				2.983567	1193.427		0.003273	1.309
05001AA	APRICOTS-FRESH	1.000	P	0.101159	40.464	0.00264	0.000057	0.023
	10 RAW-FRESH OR NFS					0.00264	0.000047	0.019
	21 COOKED-NFS					0.00264	0.000164	0.066
05001DA	APRICOTS-DRIED	1.000	P	0.005716	2.286	0.00264	0.000015	0.006
	10 RAW-FRESH OR NFS					0.00264	0.000000	0.000
05002AA	CHERRIES-FRESH	1.000	P	0.083941	33.576	0.00099	0.000020	0.008
	10 RAW-FRESH OR NFS					0.00099	0.000006	0.002
	22 COOKED-FRESH-BAKED					0.00099	0.000049	0.020
	31 COOKED-FRESH OR CANNED					0.00099	0.000008	0.003
05002DA	CHERRIES-DRIED	1.000	P	0.000000	0.000	0.00099	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)							
05002JA	CHERRIES-JUICE	1.000	P	0.022087	8.835	0.00099	0.000021	0.008
	15 RAW-FRESH OR CANNED					0.00099	0.000000	0.000
	21 COOKED-NFS							
05003AA	NECTARINES	1.000	P	0.017660	7.064	0.00119	0.000021	0.008
	10 RAW-FRESH OR NFS							
05004AA	PEACHES-FRESH	1.000	P	0.472640	189.056	0.00414	0.000874	0.350
	10 RAW-FRESH OR NFS					0.00414	0.000069	0.028
	21 COOKED-NFS					0.00414	0.000880	0.352
	31 COOKED-FRESH OR CANNED					0.00414	0.000134	0.054
05004DA	PEACHES-DRIED	1.000	P	0.000000	0.000	0.00414	0.000000	0.000
	10 RAW-FRESH OR NFS							

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 13

CHEMICAL INFORMATION		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 LEL= 0.50 ppm 5.00 mg/kg ONCO: Negative- 1 species		Deer RBC ChE; Deer Ht & HB; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenic- ity 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.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 On IRIS.	
COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)											
FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)		ARC (UG/KG/DAY)	%RFD		
05005AA	21 COOKED-NFS PLUMS(DAWSONS)-FRESH	1.000	P	0.048910	19.564	0.00414	0.000000	0.000000	0.000	0.013	0.004
	10 RAW-FRESH OR NFS					0.00090	0.000033	0.000011	0.004		
05005DA	31 COOKED-FRESH OR CANNED PLUMS-PRUNES(DRIED)	1.000	P	0.024393	9.757	0.00090	0.000011	0.000008	0.003	0.001	0.004
	10 RAW-FRESH OR NFS					0.00090	0.000011	0.000008	0.003		
05005JA	21 COOKED-NFS 31 COOKED-FRESH OR CANNED PLUMS,PRUNE-JUICE	1.000	P	0.015378	6.151	0.00090	0.000014	0.000000	0.006	0.006	0.000
	10 RAW-FRESH OR NFS					0.00090	0.000000				
	62 COOKED-FRESH OR FROZEN-BAKED										
CROP GROUP TOTALS FOR STONE FRUITS:				0.791884	316.754	0.002445		0.002445	0.978		
01002AA	BLACKBERRIES 10 RAW-FRESH OR NFS	1.000	P	0.012826	5.130	0.00007	0.000000	0.000001	0.000	0.000	0.000
	21 COOKED-NFS					0.00007	0.000001	0.000000	0.000		
01003AA	62 COOKED-FRESH OR FROZEN-BAKED BOYSENBERRIES	1.000	P	0.004840	1.936	0.00007	0.000000	0.000000	0.000	0.019	0.000
	10 RAW-FRESH OR NFS					0.01000	0.000048	0.000000	0.019		
01004AA	DEMBERRIES 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.01000	0.000000	0.000000	0.000	0.000	0.000
01005AA	LOGANBERRIES 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.01000	0.000000	0.000000	0.000	0.000	0.000
01006AA	RASPBERRIES 10 RAW-FRESH OR NFS	1.000	P	0.002793	1.117	0.01000	0.000008	0.000005	0.003	0.002	0.002
	15 RAW-FRESH OR CANNED					0.01000	0.000000	0.000000	0.000		
01007AA	31 COOKED-FRESH OR CANNED 62 COOKED-FRESH OR FROZEN-BAKED 70 RAW-FROZEN	1.000	P	0.000000	0.000	0.01000	0.000000	0.000000	0.000	0.000	0.000
01009AA	YOUNGBERRIES 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.015086	6.034	0.00009	0.000001	0.000000	0.000	0.000	0.000
	10 RAW-FRESH OR NFS					0.00009	0.000000	0.000000	0.000		
	21 COOKED-NFS					0.00009	0.000000	0.000000	0.000		
	22 COOKED-FRESH-BAKED					0.00009	0.000000	0.000000	0.000		
01010AA	62 COOKED-FRESH OR FROZEN-BAKED CRANBERRIES	1.000	P	0.051415	20.566	0.02900	0.000015	0.000001	0.006	0.006	0.000
	10 RAW-FRESH OR NFS					0.02900	0.000001	0.000001	0.000		
	21 COOKED-NFS					0.02900	0.000001	0.000001	0.000		
	31 COOKED-FRESH OR CANNED					0.02900	0.001475	0.001475	0.590		

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 14

CHEMICAL INFORMATION		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		Deer RBC ChE; Deer Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenicity 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.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86	27

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
01010JA	CRANBERRIES-JUICE	1.000	P	0.029954	11.982	0.02900	0.000856	0.342
	15 RAW-FRESH OR CANNED					0.02900	0.000012	0.005
01011AA	CURRENTS	1.000	P	0.000620	0.248	0.01000	0.000000	0.000
	10 RAW-FRESH OR NFS					0.01000	0.000000	0.000
	21 COOKED-NFS					0.01000	0.000000	0.000
01013AA	GOOSEBERRIES	1.000	P	0.000776	0.310	0.01000	0.000006	0.002
	62 COOKED-FRESH OR FROZEN-BAKED					0.01000	0.000008	0.003
01014AA	GRAPES-FRESH	1.000	P	0.130362	52.145	0.06000	0.003732	1.493
	10 RAW-FRESH OR NFS					0.06000	0.000257	0.103
	21 COOKED-NFS					0.06000	0.003833	1.533
01014DA	GRAPES-RAISINS	1.000	P	0.310076	124.030	0.06000	0.014523	5.809
	10 RAW-FRESH OR NFS					0.06000	0.000368	0.147
	21 COOKED-NFS					0.06000	0.003713	1.485
01014JA	GRAPES-JUICE	1.000	P	0.451838	180.735	0.06000	0.002478	0.991
	10 RAW-FRESH OR NFS					0.06000	0.023994	9.598
	15 RAW-FRESH OR CANNED					0.06000	0.000638	0.255
01015AA	HUCKLEBERRIES (GAYLUSSACIA)	1.000	P	0.000000	0.000	0.01000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)					0.01000	0.000000	0.000
01016AA	STRAWBERRIES	1.000	P	0.059654	23.862	0.05000	0.001828	0.731
	10 RAW-FRESH OR NFS					0.05000	0.000520	0.208
	21 COOKED-NFS					0.05000	0.000634	0.254
	70 RAW-FROZEN							
CROP GROUP TOTALS FOR SMALL FRUITS AND BERRIES:					1.070240	428.096	0.058969	23.588
15004AA	CORN,POP	1.000	P	0.015920	6.368	0.01000	0.000159	0.064
	21 COOKED-NFS					0.00002	0.000000	0.000
15005AA	CORN,SWEET	1.000	P	0.547404	218.962	0.00002	0.000009	0.004
	10 RAW-FRESH OR NFS					0.00002	0.000002	0.001
	21 COOKED-NFS					0.00002	0.000002	0.001
24001AA	BARLEY	1.000	P	0.011358	4.543	0.01000	0.000114	0.046
	21 COOKED-NFS					0.01000	0.000011	0.004
24002EA	CORN, GRAIN-ENDOSPERM	1.000	P	0.450272	180.109	0.01000	0.000379	0.152
	10 RAW-FRESH OR NFS					0.01000	0.000379	0.152
	21 COOKED-NFS							

CHEMICAL INFORMATION		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 LET= 0.2500 mg/kg 5.00 ppm		Decr RBC CHE; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenicity 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.		WHO reviewed 1984 HED complete 10/10/86 EPA verified 12/09/86 On IRIS.	28

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
24002HA	22 COOKED-FRESH-BAKED 23 COOKED-FRESH-BOILED CORN, GRAIN-BRAN	1.000	P	0.000000	0.000	0.01000 0.01000	0.003426 0.000687	1.370 0.275
24002SA	00 NOT SPECIFIED (NO CONSUMPTION) CORN SUGAR	1.000	P	0.373697	149.479	0.01000 0.01000 0.01000	0.000000 0.000057 0.003303 0.000378	0.000 0.023 1.321 0.151
24003AA	10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED	1.000	P	0.294328	117.731	0.01000 0.01000 0.01000	0.000115 0.001533 0.001296	0.046 0.613 0.518
24004AA	23 COOKED-FRESH-BOILED RICE-ROUGH	1.000	P	0.005729	2.292	0.00016 0.00016	0.000000 0.000001	0.000 0.000
24004AB	21 COOKED-NFS 23 COOKED-FRESH-BOILED RICE-MILLED	1.000	P	0.313457	125.383	0.00016 0.00016 0.00016	0.000008 0.000012 0.000027	0.003 0.005 0.011
24006AA	31 COOKED-FRESH OR CANNED SORGHUM (INCLUDING MILD)	0.100	P	0.000000	0.000	0.00016 0.00016	0.000003 0.000003	0.001 0.001
24007AA	00 NOT SPECIFIED (NO CONSUMPTION) WHEAT-ROUGH	1.000	P	0.321207	128.483	0.00100 0.00050 0.00050 0.00050 0.00050	0.000000 0.000000 0.000012 0.000080 0.000068	0.000 0.000 0.005 0.032 0.027
24007GA	10 RAW-FRESH OR NFS 22 COOKED-FRESH-BAKED WHEAT-GERM	1.000	P	0.001717	0.687	0.00050 0.00050	0.000000 0.000001	0.000 0.000
24007HA	10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED WHEAT-BRAN	1.000	P	0.023265	9.306	0.00050 0.00050 0.00050	0.000000 0.000000 0.000011	0.000 0.000 0.004
24007MA	10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED WHEAT-FLOUR	1.000	P	2.808372	1123.349	0.00050 0.00050 0.00050	0.000001 0.000832 0.000468	0.000 0.333 0.187
270020A	25 COOKED-FRESH-FRIED CORN, GRAIN-OIL 18 PROCESSED OIL	1.000	P	0.041851	16.740	0.00050 0.01000	0.000103 0.000419	0.041 0.168

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS
Methyl parathion	Caswell #372	2yr feeding- rat	Decr RBC CHE; Decr Ht &	PADI UF -->100	Chronic feeding- dog	WHO reviewed 1984	On IRIS.		29
Caswell #372	CAS No. 298-00-0	NOEL= 0.0250 mg/kg	Hb; tentative pending	OPP RfD= 0.000250	Chronic feeding- rat	HED complete 10/10/86			
A.I. CODE: 053501	LEL= 0.2500 mg/kg	0.50 ppm	submission of data for	EPA RfD= 0.000250	(Core-supplementary)	EPA verified 12/09/86			
CFR No. 180.121	5.00 ppm	ONCO: Negative- 1 species	sciatric nerve changes. No		ADI is tentative pending				
			evidence of carcinogenic-		evaluation of sciatic				
			ity in mice; rats pending		nerve effects.				

COMMODITY CONTRIBUTION BY RAC FOR: CHILDREN (1-6 YEARS OLD)

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
CROP GROUP TOTALS FOR CEREAL GRAINS:					5.208577	2083.431	0.013515	5.406
03001AA	ALMONDS	0.100	P	0.000423	0.169	0.00100	0.000002	0.001
	10 RAW-FRESH OR NFS					0.00100	0.000001	0.000
	21 COOKED-NFS					0.00100	0.000001	0.000
03005AA	FILBERTS, HAZELNUTS	0.100	P	0.000060	0.024	0.10000	0.000056	0.022
	10 RAW-FRESH OR NFS					0.10000	0.000000	0.000
	21 COOKED-NFS					0.10000	0.000005	0.002
03008AA	PECANS	0.100	P	0.000823	0.329	0.00100	0.000001	0.000
	10 RAW-FRESH OR NFS					0.00100	0.000000	0.000
	21 COOKED-NFS					0.00100	0.000002	0.001
	22 COOKED-FRESH-BAKED					0.00100	0.000002	0.001
	23 COOKED-FRESH-BOILED					0.00100	0.000005	0.002
03009AA	WALNUTS	0.100	P	0.001334	0.534	0.00100	0.000002	0.001
	10 RAW-FRESH OR NFS					0.00100	0.000000	0.000
	21 COOKED-NFS					0.00100	0.000011	0.004
	22 COOKED-FRESH-BAKED							
CROP GROUP TOTALS FOR TREE NUTS:					0.002640	1.056	0.000087	0.035

GRAND TOTALS FOR CHILDREN (1-6 YEARS OLD)

23.352514 9341.006

0.376999

150.800

TOLERANCE TYPE: N=NEW; A=PENDING; P=PUBLISHED
 TMRC=THEORETICAL MAXIMUM RESIDUE CONTRIBUTION
 ARC = ANTICIPATED RESIDUE CONTRIBUTION
 RFD = REFERENCE DOSE