

US EPA ARCHIVE DOCUMENT



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 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 revised 1984 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)
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
01003AA	BOYSENBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)		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		1.00	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-FRESH	10 RAW-FRESH OR NFS		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-RAISINS	10 RAW-FRESH OR NFS		P 1.000000	1.000000		6.00	0.060000
01014AA	GRAPES-RAISINS	15 RAW-FRESH OR CANNED		P 1.000000	1.000000		6.00	0.060000
01014AA	GRAPES-RAISINS	21 COOKED-NFS		P 1.000000	1.000000		6.00	0.060000
01015AA	HUCKLEBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		5.00	0.050000
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		

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 09/24/96

PAGE: 2

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 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.

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	2.00	0.000160
02002AB	GRAPEFRUIT-PULP	21 COOKED-NFS	P	1.000000	0.008000	FDA MON	2.00	0.000160
02002JA	GRAPEFRUIT-JUICE	15 RAW-FRESH OR CANNED	P	1.000000	0.008000	FDA MON	2.00	0.000160
02002JA	GRAPEFRUIT-JUICE	31 COOKED-FRESH OR CANNED	P	1.000000	0.008000	FDA MON	2.00	0.000160
02003AA	KUMQUATS	10 RAW-FRESH OR NFS	P	1.000000	1.000000	FDA MON	2.00	0.020000
02004AA	LEMONS-UNSPEC	10 RAW-FRESH OR NFS	P	1.000000	0.009000	FDA MON	2.00	0.000180
02004AA	LEMONS-UNSPEC	22 COOKED-FRESH-BAKED	P	1.000000	0.009000	FDA MON	2.00	0.000180
02004AB	LEMONS-PULP	10 RAW-FRESH OR NFS	P	1.000000	0.009000	FDA MON	2.00	0.000180
02004AB	LEMONS-PULP	31 COOKED-FRESH OR CANNED	P	1.000000	0.009000	FDA MON	2.00	0.000180
02004HA	LEMONS-PEEL	10 RAW-FRESH OR NFS	P	1.000000	0.009000	FDA MON	2.00	0.000180
02004HA	LEMONS-PEEL	21 COOKED-NFS	P	1.000000	0.009000	FDA MON	2.00	0.000180
02004JA	LEMONS-JUICE	10 RAW-FRESH OR NFS	P	1.000000	0.009000	FDA MON	2.00	0.000180
02004JA	LEMONS-JUICE	15 RAW-FRESH OR CANNED	P	1.000000	0.009000	FDA MON	2.00	0.000180
02004JA	LEMONS-JUICE	21 COOKED-NFS	P	1.000000	0.009000	FDA MON	2.00	0.000180
02005AA	LIMES-UNSPEC	00 NOT SPECIFIED (NO CONSUMPTION)	P	1.000000	0.010000	FDA MON	2.00	0.000200
02005AA	LIMES-UNSPEC	31 COOKED-FRESH OR CANNED	P	1.000000	0.010000	FDA MON	2.00	0.000200
02005AB	LIMES-PULP	10 RAW-FRESH OR NFS	P	1.000000	0.010000	FDA MON	2.00	0.000200
02005AB	LIMES-PULP	21 COOKED-NFS	P	1.000000	0.010000	FDA MON	2.00	0.000200
02005JA	LIMES-JUICE	10 RAW-FRESH OR NFS	P	1.000000	0.010000	FDA MON	2.00	0.000200
02005JA	LIMES-JUICE	15 RAW-FRESH OR CANNED	P	1.000000	0.010000	FDA MON	2.00	0.000200
02005JA	LIMES-JUICE	31 COOKED-FRESH OR CANNED	P	1.000000	0.010000	FDA MON	2.00	0.000200
02006AA	ORANGES-UNSPEC	00 NOT SPECIFIED (NO CONSUMPTION)	P	1.000000	0.008000	FDA MON	2.00	0.000160
02006AA	ORANGES-UNSPEC	10 RAW-FRESH OR NFS	P	1.000000	0.008000	FDA MON	2.00	0.000160
02006AB	ORANGES-PULP	21 COOKED-NFS	P	1.000000	0.008000	FDA MON	2.00	0.000160
02006AB	ORANGES-PULP	22 COOKED-FRESH-BAKED	P	1.000000	0.008000	FDA MON	2.00	0.000160
02006HA	ORANGES-PEEL	10 RAW-FRESH OR NFS	P	1.000000	0.008000	FDA MON	2.00	0.000160
02006HA	ORANGES-PEEL	31 COOKED-FRESH OR CANNED	P	1.000000	0.008000	FDA MON	2.00	0.000160
02006HA	ORANGES-PEEL	15 RAW-FRESH OR CANNED	P	1.000000	0.008000	FDA MON	2.00	0.000160
02006JA	ORANGES-JUICE	10 RAW-FRESH OR NFS	P	1.000000	0.008000	FDA MON	2.00	0.000160
02006JA	ORANGES-JUICE	31 COOKED-FRESH OR CANNED	P	1.000000	0.008000	FDA MON	2.00	0.000160
02007AA	TANGELOS	10 RAW-FRESH OR NFS	P	1.000000	1.000000	FDA MON	2.00	0.020000
02008AA	TANGERINES	10 RAW-FRESH OR NFS	P	1.000000	0.015000	FDA MON	2.00	0.000300
02008JA	TANGERINE-JUICE	15 RAW-FRESH OR CANNED	P	1.000000	0.015000	FDA MON	2.00	0.000300
03001AA	ALMONDS	10 RAW-FRESH OR NFS	P	1.000000	0.100000	FDA MON	1.00	0.001000
03001AA	ALMONDS	21 COOKED-NFS	P	1.000000	0.100000	FDA MON	1.00	0.001000
03001AA	ALMONDS	22 COOKED-FRESH-BAKED	P	1.000000	0.100000	FDA MON	1.00	0.001000
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	1.00	0.001000
03008AA	PECANS	21 COOKED-NFS	P	1.000000	0.100000	FDA MON	1.00	0.001000

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	Zyr 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 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)
03008AA	PECANS	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.100000	FDA MON	1.00	0.001000
03008AA	PECANS	23 COOKED-FRESH-BOILED	1F1091	P 0.100000	0.100000	FDA MON	1.00	0.001000
03008AA	PECANS	62 COOKED-FRESH OR FROZEN-BAKED	1F1091	P 0.100000	0.100000	FDA MON	1.00	0.001000
03009AA	WALNUTS	10 RAW-FRESH OR NFS	1F1091	P 0.100000	0.100000	FDA MON	1.00	0.001000
03009AA	WALNUTS	21 COOKED-NFS	1F1091	P 0.100000	0.100000	FDA MON	1.00	0.001000
03009AA	WALNUTS	22 COOKED-FRESH-BAKED	1F1091	P 0.100000	0.100000	FDA MON	1.00	0.001000
04001AA	APPLES-FRESH	10 RAW-FRESH OR NFS	P 1.000000	0.008000	FDA MON	20.00	20.00	0.001600
04001AA	APPLES-FRESH	21 COOKED-NFS	P 1.000000	0.008000	FDA MON	20.00	20.00	0.001600
04001AA	APPLES-FRESH	31 COOKED-FRESH OR CANNED	P 1.000000	0.008000	FDA MON	20.00	20.00	0.001600
04001AA	APPLES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	0.008000	FDA MON	20.00	20.00	0.001600
04001DA	APPLES-DRIED	10 RAW-FRESH OR NFS	P 1.000000	0.008000	FDA MON	20.00	20.00	0.001600
04001DA	APPLES-DRIED	22 COOKED-FRESH-BAKED	P 1.000000	0.008000	FDA MON	20.00	20.00	0.001600
04001DA	APPLES-DRIED	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	0.008000	FDA MON	20.00	20.00	0.001600
04001JA	APPLES-JUICE	15 RAW-FRESH OR CANNED	P 1.000000	0.006000	FDA MON	20.00	20.00	0.001200
04003AA	PEARS-FRESH	10 RAW-FRESH OR NFS	P 1.000000	0.006000	FDA MON	7.00	7.00	0.000420
04003AA	PEARS-FRESH	31 COOKED-FRESH OR CANNED	P 1.000000	0.006000	FDA MON	7.00	7.00	0.000420
04003AA	PEARS-FRESH	51 COOKED-CANNED	P 1.000000	0.006000	FDA MON	7.00	7.00	0.000420
04003AA	PEARS-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	0.006000	FDA MON	7.00	7.00	0.000420
04003DA	PEARS-DRIED	10 RAW-FRESH OR NFS	P 1.000000	0.006000	FDA MON	7.00	7.00	0.000420
04003DA	PEARS-DRIED	21 COOKED-NFS	P 1.000000	0.006000	FDA MON	7.00	7.00	0.000420
04004AA	QUINCES	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	1.000000	FDA MON	100.00	100.00	1.000000
05001AA	APRICOTS-FRESH	10 RAW-FRESH OR NFS	P 1.000000	0.011000	FDA MON	24.00	24.00	0.002640
05001AA	APRICOTS-FRESH	21 COOKED-NFS	P 1.000000	0.011000	FDA MON	24.00	24.00	0.002640
05001AA	APRICOTS-FRESH	31 COOKED-FRESH OR CANNED	P 1.000000	0.011000	FDA MON	24.00	24.00	0.002640
05001AA	APRICOTS-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	0.011000	FDA MON	24.00	24.00	0.002640
05001DA	APRICOTS-DRIED	10 RAW-FRESH OR NFS	P 1.000000	0.011000	FDA MON	24.00	24.00	0.002640
05001DA	APRICOTS-DRIED	22 COOKED-FRESH-BAKED	P 1.000000	0.011000	FDA MON	24.00	24.00	0.002640
05002AA	CHERRIES-FRESH	10 RAW-FRESH OR NFS	P 1.000000	0.009000	FDA MON	11.00	11.00	0.000990
05002AA	CHERRIES-FRESH	21 COOKED-NFS	P 1.000000	0.009000	FDA MON	11.00	11.00	0.000990
05002AA	CHERRIES-FRESH	31 COOKED-FRESH OR CANNED	P 1.000000	0.009000	FDA MON	11.00	11.00	0.000990
05002AA	CHERRIES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	P 1.000000	0.009000	FDA MON	11.00	11.00	0.000990
05002DA	CHERRIES-DRIED	00 NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	0.009000	FDA MON	11.00	11.00	0.000990
05002DA	CHERRIES-DRIED	15 RAW-FRESH OR CANNED	P 1.000000	0.009000	FDA MON	11.00	11.00	0.000990
05002JA	CHERRIES-JUICE	21 COOKED-NFS	P 1.000000	0.007000	FDA MON	17.00	17.00	0.001190
05003AA	NECTARINES	10 RAW-FRESH OR NFS	P 1.000000	0.009000	FDA MON	46.00	46.00	0.004140
05004AA	PEACHES-FRESH	10 RAW-FRESH OR NFS	P 1.000000	0.009000	FDA MON	46.00	46.00	0.004140
05004AA	PEACHES-FRESH	21 COOKED-NFS	P 1.000000	0.009000	FDA MON	46.00	46.00	0.004140
05004AA	PEACHES-FRESH	31 COOKED-FRESH OR CANNED	P 1.000000	0.009000	FDA MON	46.00	46.00	0.004140
05004AA	PEACHES-FRESH	51 COOKED-CANNED	P 1.000000	0.009000	FDA MON	46.00	46.00	0.004140
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS	P 1.000000	0.009000	FDA MON	46.00	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 0.50 ppm 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 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.

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	0.015000	FDA MON	100.00	0.015000
06001AA	AVOCADOS	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
06009AA	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		P 1.000000	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-PULP	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		P 1.000000	1.000000		100.00	1.000000
08028AA	MUSTARD SEED	11 RAW-FRESH-PICKLED, CORNED, OR CURED		P 0.200000	0.200000		100.00	0.200000
08028AA	MUSTARD SEED	21 COOKED-NFS		P 0.200000	0.200000		100.00	0.200000
10002AB	CANTALOUPE-UMSP	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	0.006000	FDA MON	1.00	0.000060
10002AB	CANTALOUPE-UMSP	10 RAW-FRESH OR NFS		P 1.000000	0.006000	FDA MON	1.00	0.000060
10002AB	CANTALOUPE-UMSP	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

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 09/24/96

PAGE: 5

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 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)
10007AA	PERSTION 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	TOMELGOLRD	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	0.008000	FDA MON	2.00	0.000160
10011AA	EGGPLANT	10 RAW-FRESH OR NFS		P 1.000000	0.008000	FDA MON	2.00	0.000160
10011AA	EGGPLANT	21 COOKED-NFS		P 1.000000	0.008000	FDA MON	2.00	0.000160
10011AA	EGGPLANT	25 COOKED-FRESH-FRIED		P 1.000000	1.000000		2.00	0.020000
10033AA	PEPPERS, SWEET	10 RAW-FRESH OR NFS		P 1.000000	1.000000		2.00	0.020000
10033AA	PEPPERS, SWEET	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
10033AB	CHILI PEPPERS	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		2.00	0.020000
10033AB	CHILI PEPPERS	10 RAW-FRESH OR NFS		P 1.000000	1.000000		2.00	0.020000
10033AD	PEPPERS-OTHER	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
10033AD	PEPPERS-OTHER	51 COOKED-CANNED		P 1.000000	1.000000		2.00	0.020000
10044AA	PEPPERS-OTHER	10 RAW-FRESH OR NFS		P 1.000000	1.000000		2.00	0.020000
10044AA	PEPPERS-OTHER	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
10044AA	PEPPERS-OTHER	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000		2.00	0.020000
10055AA	PIMIENTOS	10 RAW-FRESH OR NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
10055AA	PIMIENTOS	21 COOKED-NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
10055AA	PIMIENTOS	31 COOKED-FRESH OR CANNED		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005JA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005JA	TOMATOES-WHOLE	21 COOKED-NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005JA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005JA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005JA	TOMATOES-WHOLE	21 COOKED-NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005JA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005JA	TOMATOES-WHOLE	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	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	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	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	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
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 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 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)
11005TA	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED		P 1.000000	0.001000	FDA MON	1.00	0.000010
11005UA	TOMATOES-CATSUP	21 COOKED-NFS		P 1.000000	0.001000	FDA MON	1.00	0.000010
13001AA	BEETS-TOPS	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000	FDA MON	1.00	0.010000
13001AA	BEETS-TOPS	63 COOKED-FRESH OR FROZEN-BOILED		P 1.000000	1.000000	FDA MON	1.00	0.010000
13002AA	CELERY	10 RAW-FRESH OR NFS		P 1.000000	0.001000	FDA MON	100.00	0.001000
13002AA	CELERY	21 COOKED-NFS		P 1.000000	0.001000	FDA MON	100.00	0.000020
13005AA	BROCCOLI	21 COOKED-NFS		P 1.000000	0.001000	FDA MON	2.00	0.000020
13005AA	BROCCOLI	31 COOKED-FRESH OR CANNED		P 1.000000	0.001000	FDA MON	2.00	0.000020
13005AA	BROCCOLI	63 COOKED-FRESH OR FROZEN-BOILED		P 1.000000	0.001000	FDA MON	2.00	0.000260
13006AA	BRUSSEL SPROUTS	21 COOKED-NFS		P 1.000000	0.013000	FDA MON	2.00	0.000260
13006AA	BRUSSEL SPROUTS	23 COOKED-FRESH-BOILED		P 1.000000	0.013000	FDA MON	2.00	0.020000
13007AA	CABBAGE	10 RAW-FRESH OR NFS		P 1.000000	1.000000	FDA MON	2.00	0.020000
13007AA	CABBAGE	11 RAW-FRESH-PICKLED, CORNED, OR CURED		P 1.000000	1.000000	FDA MON	2.00	0.020000
13007AA	CABBAGE	21 COOKED-NFS		P 1.000000	1.000000	FDA MON	2.00	0.020000
13008AA	CAULIFLOWER	10 RAW-FRESH OR NFS		P 1.000000	0.009000	FDA MON	2.00	0.000180
13008AA	CAULIFLOWER	21 COOKED-NFS		P 1.000000	0.012000	FDA MON	2.00	0.000240
13009AA	COLLARDS	51 COOKED-CANNED		P 1.000000	0.012000	FDA MON	2.00	0.000240
13010AA	CABBAGE-CHINESE	63 COOKED-FRESH OR FROZEN-BOILED		P 1.000000	1.000000	FDA MON	2.00	0.020000
13010AA	CABBAGE-CHINESE	21 COOKED-NFS		P 1.000000	1.000000	FDA MON	2.00	0.020000
13011AA	KALE	63 COOKED-FRESH OR FROZEN-BOILED		P 1.000000	1.000000	FDA MON	2.00	0.020000
13012AA	KOHLRABI	21 COOKED-NFS		P 1.000000	1.000000	FDA MON	1.00	0.000060
13013AA	LETTUCE-LEAFY	10 RAW-FRESH OR NFS		P 1.000000	1.000000	FDA MON	100.00	1.000000
13015AA	ENDIVE	10 RAW-FRESH OR NFS		P 1.000000	0.006000	FDA MON	100.00	1.000000
13015AA	ENDIVE	21 COOKED-NFS		P 1.000000	1.000000	FDA MON	100.00	0.001000
13016AA	FENNEL	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	0.001000	FDA MON	90.00	0.900000
13018AA	ARTICHOKE-GLOBE	21 COOKED-NFS		P 1.000000	1.000000	FDA MON	100.00	0.000060
13020AA	LETTUCE-UNSPEC	10 RAW-FRESH OR NFS		P 1.000000	0.006000	FDA MON	1.00	0.000240
13021AA	MUSTARD GREENS	21 COOKED-NFS		P 1.000000	0.012000	FDA MON	2.00	0.000240
13021AA	MUSTARD GREENS	63 COOKED-FRESH OR FROZEN-BOILED		P 1.000000	0.012000	FDA MON	2.00	0.000240
13022AA	PARSLEY	10 RAW-FRESH OR NFS		P 1.000000	1.000000	FDA MON	100.00	1.000000
13022AA	PARSLEY	21 COOKED-NFS		P 1.000000	1.000000	FDA MON	100.00	1.000000
13024AA	SPINACH	53 COOKED-CANNED-BOILED		P 1.000000	0.002000	FDA MON	100.00	0.002000
13024AA	SPINACH	10 RAW-FRESH OR NFS		P 1.000000	0.002000	FDA MON	100.00	0.002000
13024AA	SPINACH	21 COOKED-NFS		P 1.000000	0.002000	FDA MON	100.00	0.002000
13025AA	SWISS CHARD	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000	FDA MON	100.00	1.000000
13025AA	SWISS CHARD	10 RAW-FRESH OR NFS		P 1.000000	1.000000	FDA MON	100.00	1.000000
13025AA	SWISS CHARD	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000	FDA MON	100.00	1.000000
13025AA	SWISS CHARD	63 COOKED-FRESH OR FROZEN-BOILED		P 1.000000	1.000000	FDA MON	100.00	1.000000
13026AA	TURNIPS-TOPS	10 RAW-FRESH OR NFS		P 1.000000	0.013000	FDA MON	100.00	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 Casell #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	Decr RBC C/E; 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- 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)
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	0.003000	FDA MON	100.00	0.003000
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	40.00	0.012000
14010AA	LEEKS	31 COOKED-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		P 1.000000	0.012000	FDA MON	1.00	0.000070
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
14013AA	POTATO(WH)-WHOLE	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
14013DA	POTATO(WH)-DRY	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)	1F1091	P 0.100000	0.100000		100.00	0.100000
14018AA	SHEETPOTATOES	21 COOKED-NFS	1F1091	P 0.100000	0.100000		100.00	0.100000
14018AA	SHEETPOTATOES	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 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 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)
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)		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 OR CANNED		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		2.00	0.020000
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	1.000000		1.00	0.010000
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
15005AA	CORN, SWEET	31 COOKED-FRESH OR CANNED	032	P 1.000000	0.002000	FDA MON	1.00	0.000020
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		1.00	0.010000
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED		P 1.000000	1.000000		1.00	0.010000
15007AA	PEAS DRY-GARDEN	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
15007AA	PEAS DRY-GARDEN	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000		2.00	0.020000
15009AA	PEAS SUCC-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
15011AA	LENTILES-WHOLE	31 COOKED-FRESH OR CANNED		P 1.000000	1.000000		2.00	0.020000
15011AB	LENTILES-SPLIT	21 COOKED-NFS		P 1.000000	1.000000		2.00	0.020000
15013AA	MUNG BEANS	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		2.00	0.020000
15015AA	OKRA	21 COOKED-NFS		P 1.000000	0.013000	FDA MON	100.00	0.013000
15015AA	OKRA	25 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		4.00	0.008000
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		2.00	0.020000
15022AB	BEANS-SUCC-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	1.000000		3.00	0.030000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 372

DATE: 09/24/96

PAGE: 9

CHEMICAL Methyl parathion Caswell #372 CAS No. 298-00-0 A.I. CODE: 053501 CFR No. 180.121	STUDY TYPE 2yr feeding- rat NOEL= 0.0250 mg/kg 0.50 ppm LEL= 0.2500 mg/kg 5.00 ppm ONCO: Negative- 1 species	EFFECTS Decr RBC Ch; Decr Ht & Hb; tentative pending submission of data for sciatic nerve changes. No evidence of carcinogenicity in mice; rats pending	REFERENCE DOSES PADI UF -->100 OPP RfD= 0.000250 EPA RfD= 0.000250	DATA GAPS/COMMENTS Chronic feeding- dog Chronic feeding- rat (Core-supplementary) ADI is tentative pending evaluation of sciatic nerve effects.	STATUS 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	0.010000
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-NFS		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	21 COOKED-NFS		P 1.000000	0.002000	FDA MON	8.00	0.000160
24006AA	SORGHUM	00 NOT SPECIFIED (NO CONSUMPTION)		P 1.000000	0.002000	FDA MON	8.00	0.000160
24007AA	WHEAT-ROUGH	10 RAW-FRESH OR NFS	1F1091	P 0.100000	0.100000		1.00	0.001000
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-ROUGH	10 RAW-FRESH OR NFS		P 1.000000	0.000500	FDA MON	100.00	0.000500
24007GA	WHEAT-ROUGH	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	Decr RBC, ClE; 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- 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 1.000000	1.000000		2.00	0.004000
270020A	CORN, GRAIN-OIL	18 PROCESSED OIL	0F0878	P 0.750000	0.750000		15.00	0.112500
270030A	COTTONSEED-OIL	18 PROCESSED OIL	0F0878	P 0.750000	0.750000		15.00	0.112500
270030A	COTTONSEED-OIL	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	0F0878	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 0.200000	0.200000		1.00	0.002000
270160A	OLIVE OIL	18 PROCESSED OIL	0F0878	P 1.000000	1.000000		100.00	1.000000
270170A	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		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	25 COOKED-FRESH-BOILED	0F0878	P 0.100000	0.100000		1.00	0.001000
28023AB	SOYBEANS-DRY	23 COOKED-FRESH-FRIED	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
28023MA	SOY-FL, FULL FAT	21 COOKED-NFS	0F0878	P 0.100000	0.100000		1.00	0.001000
28023MA	SOY-FL, FULL FAT	22 COOKED-FRESH-BAKED	0F0878	P 0.100000	0.100000		1.00	0.001000
28023MA	SOY-FL, FULL FAT	31 COOKED-FRESH OR CANNED	0F0878	P 0.100000	0.100000		1.00	0.001000
28023MA	SOY-FL, LOW FAT	21 COOKED-NFS	0F0878	P 0.100000	0.100000		1.00	0.001000
28023MA	SOY-FL, LOW FAT	21 COOKED-NFS	0F0878	P 0.100000	0.100000		1.00	0.001000
28023MA	SOY-FL, LOW FAT	10 RAW-FRESH OR NFS	0F0878	P 0.100000	0.100000		1.00	0.001000
28023MC	SOY-FL, DEFAT	21 COOKED-NFS	0F0878	P 0.100000	0.100000		1.00	0.001000
28023MC	SOY-FL, DEFAT	22 COOKED-FRESH-BAKED	0F0878	P 0.100000	0.100000		1.00	0.001000
28023MC	SOY-FL, DEFAT	51 COOKED-CANNED	0F0878	P 0.100000	0.100000		1.00	0.001000

12

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 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.

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: 2

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS	
			PADI	UF --> 100			
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	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.		
POPULATION SUBGROUP							
U.S. POPULATION - 48 STATES			TOTAL TMRC (MG/KG BODY WEIGHT/DAY)	NEW TMRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES	
			CURRENT TMRC*	NEW TMRC**		ARC	%RFD
U.S. POPULATION - SPRING SEASON			0.010103	0.010213	43.992800	0.000174	69.50840
U.S. POPULATION - SUMMER SEASON			0.009770	0.009873	40.944000	0.000177	70.74360
U.S. POPULATION - FALL SEASON			0.010270	0.010378	43.196800	0.000171	68.28960
U.S. POPULATION - WINTER SEASON			0.010155	0.010270	46.042800	0.000178	71.37760
NORTHEAST REGION			0.010180	0.010295	45.798800	0.000168	67.06800
NORTH CENTRAL REGION			0.011087	0.011202	45.622000	0.000173	69.05320
SOUTHERN REGION			0.009868	0.009982	45.636800	0.000161	64.48920
WESTERN REGION			0.009069	0.009165	38.271200	0.000181	72.32560
HISPANICS			0.010859	0.010982	49.321600	0.000180	71.85000
NON-HISPANIC WHITES			0.011759	0.011900	56.275200	0.000145	58.05680
NON-HISPANIC BLACKS			0.010042	0.010152	43.870000	0.000174	69.76400
NON-HISPANIC OTHERS			0.009408	0.009504	38.401600	0.000181	72.43320
NURSING INFANTS (< 1 YEAR OLD)			0.012096	0.012219	49.144000	0.000168	67.36120
NON-NURSING INFANTS (< 1 YEAR OLD)			0.016037	0.016179	56.705600	0.000100	39.98840
FEMALES (13+ YEARS, PREGNANT)			0.028832	0.029489	263.030400	0.000240	96.07480
FEMALES (13+ YEARS, NURSING CHILDREN (1-6 YEARS OLD))			0.007766	0.007844	31.293200	0.000112	44.66280
CHILDREN (7-12 YEARS OLD)			0.008830	0.008933	41.334800	0.000166	66.58800
MALES (13-19 YEARS OLD)			0.023353	0.023672	127.923600	0.000377	150.79960
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)			0.014754	0.014948	48.328000	0.000242	96.63960
MALES (20 YEARS AND OLDER)			0.009067	0.009188	36.675600	0.000155	62.07640
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)			0.008057	0.008148	23.994800	0.000142	56.84840
			0.007230	0.007290	21.334400	0.000140	56.10680
			0.007452	0.007505		0.000135	54.04320

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

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	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	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
06001AA	AVOCADOS 10 RAW-FRESH OR NFS	1.000	P	0.010664	4.266	0.01500	0.000160	0.064
06004AA	DATES 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED	1.000	P	0.000681	0.272	1.00000 1.00000 1.00000	0.000590 0.000059 0.000033	0.236 0.024 0.013
06005AA	FIGS 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED	1.000	P	0.005441	2.176	1.00000 1.00000 1.00000	0.002608 0.000134 0.002699	1.043 0.054 1.080
06006AA	GUAVA 10 RAW-FRESH OR NFS 21 COOKED-NFS 62 COOKED-FRESH OR FROZEN-BAKED	1.000	P	0.000000	0.000	1.00000 1.00000 1.00000	0.000000 0.000000 0.000000	0.000 0.000 0.000
06007AA	MANGOES 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.000743	0.297	1.00000 1.00000	0.000743 0.000000	0.297 0.000
06009AA	OLIVES 10 RAW-FRESH OR NFS 11 RAW-FRESH-PICKLED,CORNEED,OR CURED 21 COOKED-NFS	1.000	P	0.006009	2.404	1.00000 1.00000 1.00000	0.001943 0.003965 0.000101	0.777 1.586 0.040
06013AA	PINEAPPLE-FRESH,PULP 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	1.000	P	0.053679	21.472	0.00800 0.00800 0.00800	0.000107 0.000008 0.000314	0.043 0.003 0.126
06013DA	PINEAPPLE-DRIED 10 RAW-FRESH OR NFS 15 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	1.000	P	0.000347	0.139	0.00800 0.00800 0.00800	0.000003 0.000000 0.000896	0.001 0.000 0.358
06013JA	PINEAPPLE-FRESH,JUICE 10 RAW-FRESH OR NFS 15 RAW-FRESH OR CANNED 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	1.000	P	0.245037	98.015	0.00800 0.00800 0.00800	0.000000 0.000010 0.001055	0.004 0.004 0.422
08020AA	HOPS 21 COOKED-NFS	1.000	P	0.000021	0.008	1.00000	0.000021	0.008
08028AA	MUSTARD SEED 11 RAW-FRESH-PICKLED,CORNEED,OR CURED 21 COOKED-NFS	0.200	P	0.000300	0.120	0.20000 0.20000	0.000300 0.000000	0.120 0.000
13016AA	FENNEL 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.00100	0.000000	0.000
13018AA	ARTICHOKES-GLOBE 21 COOKED-NFS	1.000	P	0.003177	1.271	0.00100 0.90000	0.000000 0.002859	0.000 1.144

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 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
15015AA	OKRA	1.000	P	0.016555	6.622	0.01300	0.000200	0.080
	21 COOKED-NFS					0.01300	0.000015	0.006
	25 COOKED-FRESH-FRIED							
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
25003SA	CANE SUGAR	0.100	P	0.181305	72.522	0.10000	0.040268	16.107
	10 RAW-FRESH OR NFS					0.10000	0.034139	13.656
	21 COOKED-NFS					0.10000	0.090617	36.247
	22 COOKED-FRESH-BAKED							
	31 COOKED-FRESH OR CANNED							
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
	22 COOKED-NFS					0.10000	0.001232	0.493
	22 COOKED-FRESH-BAKED					0.10000	0.000473	0.189
	31 COOKED-FRESH OR CANNED							
26011AA	GUAR BEANS	0.200	P	0.000000	0.000	0.00400	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)							
270030A	COTTONSEED-OIL	0.750	P	0.027266	10.906	0.11250	0.004090	1.636
	18 PROCESSED OIL							
27003MA	COTTONSEED-MEAL	0.750	P	0.000383	0.153	0.11250	0.000058	0.023
	18 PROCESSED OIL							
27008AA	SAFFLOWER-SEED	0.100	P	0.000000	0.000	0.10000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)							
270080A	SAFFLOWER-OIL	0.100	P	0.000248	0.099	0.10000	0.000248	0.099
	18 PROCESSED OIL							
270110A	SUNFLOWER-OIL	0.200	P	0.000894	0.358	0.00200	0.000009	0.004
	18 PROCESSED OIL							
270160A	OLIVE OIL	1.000	P	0.012718	5.087	1.00000	0.012718	5.087
	18 PROCESSED OIL							
27017AA	RAPE SEED	0.200	P	0.000000	0.000	0.20000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)							
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							
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	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 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	BETS-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,CORNED,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
	22 COOKED-FRESH-BAKED					0.00007	0.000017	0.007
14013AB	POTATOES(WHITE)-UNSPECIFIED	0.100	P	0.000019	0.008	0.00007	0.000011	0.004
	22 COOKED-FRESH-BAKED					0.00007	0.000005	0.002
	23 COOKED-FRESH-BOILED					0.00007	0.000061	0.024
	25 COOKED-FRESH-FRIED					0.00007	0.000038	0.015
14013AC	POTATOES(WHITE)-PEELED	0.100	P	0.164854	65.942	0.00007	0.000000	0.000
	21 COOKED-NFS					0.00007	0.000011	0.004
	22 COOKED-FRESH-BAKED					0.00007	0.000005	0.002
	23 COOKED-FRESH-BOILED					0.00007	0.000061	0.024
	25 COOKED-FRESH-FRIED					0.00007	0.000038	0.015
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	0.000001	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	0.000045	0.018
14014AA	RADISHES-ROOTS	1.000	P	0.000045	0.018	1.00000	0.000045	0.018
	10 RAW-FRESH OR NFS					1.00000	0.000045	0.018
14015AA	RUTABAGAS-ROOTS	1.000	P	0.010727	4.291	1.00000	0.010727	4.291
	10 RAW-FRESH OR NFS					1.00000	0.010727	4.291
14018AA	SWEETPOTATOES (INCLUDING YAMS)	0.100	P	0.006668	2.667	0.10000	0.005249	2.100
	21 COOKED-NFS					0.10000	0.001047	0.419
	31 COOKED-FRESH OR CANNED					0.10000	0.000372	0.149
14019AA	TURNIPS-ROOTS	1.000	P	0.009349	3.740	1.00000	0.000547	0.219
	10 RAW-FRESH OR NFS					1.00000	0.000547	0.219
	21 COOKED-NFS					1.00000	0.008803	3.521
14021AA	PARSNIPS	1.000	P	0.000000	0.000	1.00000	0.000000	0.000
	21 COOKED-NFS					1.00000	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 MOEL= 0.0250 mg/kg LEL= 0.2500 mg/kg 5.00 ppm ONCO: Negative- 1 species	Decc RBC CHE; Decc 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
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	BETTS-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

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 5

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= 0.2500 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
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	1.000	P	0.002778	1.111	0.00006	0.000000	0.000
13015AA	ENDIVE,CURLEY AND ESCAROLE 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.000384	0.154	1.00000 1.00000	0.000123 0.000261	0.049 0.104
13020AA	LETTUCE-UNSPECIFIED 10 RAW-FRESH OR NFS	1.000	P	0.014126	5.650	0.00006	0.000001	0.000
13022AA	PARSLEY 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.008525	3.410	1.00000 1.00000	0.001883 0.006032	0.753 2.413
13024AA	SPINACH 10 RAW-FRESH OR NFS 21 COOKED-NFS 53 COOKED-CANNED-BOILED	1.000	P	0.0547710	21.884	0.00200 0.00200 0.00200	0.000020 0.000017 0.000072	0.008 0.007 0.029
13025AA	SWISS CHARD 10 RAW-FRESH OR NFS 31 COOKED-FRESH OR CANNED 63 COOKED-FRESH OR FROZEN-BOILED	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):				0.3322484	128.994		0.0099338	3.975
13005AA	BROCCOLI 21 COOKED-NFS 31 COOKED-FRESH OR CANNED 63 COOKED-FRESH OR FROZEN-BOILED	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	0.000000	0.000
13007AA	CABBAGE-GREEN AND RED 10 RAW-FRESH OR NFS 11 RAW-FRESH-PICKLED,CORNEID,OR CURED 21 COOKED-NFS	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 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 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)	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
13009AA	21 COOKED-NFS COLLARDS	1.000	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	0.012899	5.160	0.00024	0.000007	0.003
13011AA	KALE 63 COOKED-FRESH OR FROZEN-BOILED	1.000	0.000825	0.330	0.02000	0.000017	0.007
13012AA	KOHLRABI 21 COOKED-NFS	1.000	0.000000	0.000	0.02000	0.000000	0.000
13021AA	MUSTARD 21 COOKED-NFS 63 COOKED-FRESH OR FROZEN-BOILED	1.000	0.019110	7.644	0.00024	0.000000	0.000
CROP GROUP TOTALS FOR BRASSICA (COLE) LEAFY VEGETABLES:				101.385	0.002260	0.904	
15001AA	BEANS-DRY-GREAT NORTHERN 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	0.000000	0.000	0.02000	0.000000	0.000
15001AB	BEANS-DRY-KIDNEY 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	1.000	0.029294	11.718	0.02000	0.000573	0.229
15001AC	BEANS-DRY-LIMA 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	1.000	0.014043	5.617	0.02000	0.000013	0.005
15001AD	BEANS-DRY-NAVY (PEA) 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	1.000	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	0.078555	31.422	0.02000	0.001400	0.560
15001AF	BEANS-DRY-PINTO 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	1.000	0.086905	34.762	0.02000	0.000591	0.236
15002AA	BEANS-SUCCULENT-LIMA 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	0.038633	15.453	0.02000	0.000311	0.124
15003AA	BEANS-SUCCULENT-GREEN 21 COOKED-NFS	1.000	0.343405	137.362	0.02000	0.000669	0.268
15003AB	BEANS-SUCCULENT-OTHER 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	0.043819	17.528	0.03000	0.001738	0.695
					0.03000	0.000000	0.000
					0.03000	0.001159	0.464
					0.03000	0.010302	4.121
					0.03000	0.000000	0.000
					0.03000	0.001315	0.526

20

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	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- 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.
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
15003AC	BEANS-SUCCULENT-YELLOW,MAX 21 COOKED-NFS	1.000	P	0.012414	4.966	0.03000	0.000372	0.149
15006AA	PEANUTS-WHOLE 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.226914	90.766	0.01000 0.01000 0.01000	0.000018 0.002119 0.000133	0.007 0.848 0.053
15007AA	PEAS(GARDEN)-MATURE SEEDS, DRY 21 COOKED-NFS	1.000	P	0.003066	1.226	0.02000	0.000008	0.003
15009AA	PEAS(GARDEN)-GREEN IMMATURE 21 COOKED-NFS	1.000	P	0.372979	149.192	0.03000	0.010013	4.005
15011AA	LENTILES-WHOLE 31 COOKED-FRESH OR CANNED	1.000	P	0.001091	0.436	0.02000	0.000022	0.009
15011AB	LENTILES-SPLIT 21 COOKED-NFS	1.000	P	0.000000	0.000	0.02000	0.000000	0.000
15013AA	MUNG BEANS (SPROUTS) 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.008333	3.333	0.02000	0.000032	0.013
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED) 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.02000	0.000000	0.000
15022AB	BEANS-SUCCULENT-BROADBEANS(IMMAT. SEED) 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.03000	0.000000	0.000
15023AA	BEANS-DRY-PIGEON BEANS 21 COOKED-NFS	1.000	P	0.000000	0.000	0.02000	0.000000	0.000
15027AA	BEANS-UNSPECIFIED 21 COOKED-NFS	1.000	P	0.010745	4.298	0.02000	0.000215	0.086
15029AA	SOYBEANS-SPROUTED SEEDS 00 NOT SPECIFIED (NO CONSUMPTION)	0.100	P	0.000000	0.000	0.00100	0.000000	0.000
15030AA	BEANS-DRY-HYACINTH(MATURE SEEDS) 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.02000	0.000000	0.000
15030AB	BEANS-SUCCULENT-HYACINTH(YOUNG PODS) 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.03000	0.000000	0.000
15031AA	BEANS-DRY-BLACKEYE PEAS(COPEAS) 21 COOKED-NFS	1.000	P	0.003510	1.404	0.02000	0.000070	0.028
15032AA	BEANS-DRY-GARBANZO(CHICK PEA) 21 COOKED-NFS	1.000	P	0.001154	0.462	0.02000	0.000014	0.006
270070A	PEANUTS-OIL 18 PROCESSED OIL	1.000	P	0.0083339	3.336	0.02000	0.000009	0.004
270100A	SOYBEANS-OIL 18 PROCESSED OIL	0.100	P	0.059736	23.894	0.01000	0.000083	0.033
						0.00100	0.000597	0.239

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 8

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
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
	21 COOKED-NFS					0.00100	0.000001	0.000
28023WC	SOYBEANS-FLOUR, DEFATTED	0.100	P	0.002936	1.174	0.00100	0.000001	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
	21 COOKED-NFS					0.02000	0.000000	0.000
11003AB	CHILLI 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	0.000002	0.001
	51 COOKED-CANNED					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
	21 COOKED-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					0.00001	0.000002	0.001

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 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
11005JA	21 COOKED-NFS 31 COOKED-FRESH OR CANNED TOMATOES-JUICE 10 RAW-FRESH OR NFS	1.000	P	0.059447	23.779	0.00001	0.000004	0.002
11005RA	21 COOKED-NFS 10 RAW-FRESH OR NFS TOMATOES-PUREE	1.000	P	1.144825	457.930	0.00001	0.000001	0.000
11005TA	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	0.000004	0.002
11005UA	22 COOKED-FRESH-BAKED 31 COOKED-FRESH OR CANNED TOMATOES-CAISUP 21 COOKED-NFS	1.000	P	0.273173	109.269	0.00001	0.000003	0.001

CROP GROUP TOTALS FOR FRUITING VEGETABLES (EXCL. CUCURBITTS): 2.853227 1141.291 0.000878 0.351

10002AA	CANTALOUPE-UNSPECIFIED 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.00006	0.000000	0.000
10002AB	CANTALOUPE-PULP 10 RAW-FRESH OR NFS 21 COOKED-NFS	1.000	P	0.040664	16.266	0.00006	0.000002	0.001
10003AA	CASABAS 10 RAW-FRESH OR NFS	1.000	P	0.000000	0.000	0.00006	0.000000	0.000
10004AA	CRENSHAW 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	PERSON 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	0.000011	0.004
10010AA	CUCUMBERS 10 RAW-FRESH OR NFS 11 RAW-FRESH-PICKLED,CORNED,OR CURED 21 COOKED-NFS	1.000	P	0.100358	40.143	0.01000	0.000484	0.194
10011AA	PUMPKIN 21 COOKED-NFS	1.000	P	0.006163	2.465	0.01000	0.000488	0.195

22

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 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)	TMRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
10013AA	22 COOKED-FRESH-BAKED 62 COOKED-FRESH OR FROZEN-BAKED SQUASH-SUMMER	1.000	0.037811	15.124	0.01000 0.01000	0.000013 0.000049	0.005 0.020
10014AA	10 RAW-FRESH OR NFS 21 COOKED-NFS SQUASH-WINTER	1.000	0.036503	14.601	0.00006 0.00006	0.000000 0.000002	0.000 0.001
10017AA	10 RAW-FRESH OR NFS 21 COOKED-NFS BITTER MELON	1.000	0.000000	0.000	0.00006 0.00006	0.000000 0.000000	0.000 0.000
10020AA	21 COOKED-FRESH OR CANNED TOWELGOURD 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	0.000000	0.000	0.01000	0.000000	0.000
CROP GROUP TOTALS FOR FRUITING VEGETABLES (CUCURBITS):			0.395141	158.056		0.001085	0.434
02001AA	22 COOKED-FRESH-BAKED CITRUS CITRON	1.000	0.000146	0.058	0.01000	0.000001	0.000
02002AA	00 NOT SPECIFIED (NO CONSUMPTION) GRAPEFRUIT-UNSPECIFIED	1.000	0.000000	0.000	0.00016	0.000000	0.000
02002AB	10 RAW-FRESH OR NFS 21 COOKED-NFS GRAPEFRUIT-PULP	1.000	0.043653	17.461	0.00016 0.00016	0.000007 0.000000	0.003 0.000
02002JA	15 RAW-FRESH OR CANNED 31 COOKED-FRESH OR CANNED GRAPEFRUIT-JUICE	1.000	0.140331	56.132	0.00016 0.00016	0.000020 0.000003	0.008 0.001
02003AA	10 RAW-FRESH OR NFS KUMQUATS	1.000	0.000000	0.000	0.02000	0.000000	0.000
02004AA	10 RAW-FRESH OR NFS 22 COOKED-FRESH-BAKED LEMONS-UNSPECIFIED	1.000	0.003940	1.576	0.00018 0.00018	0.000001 0.000000	0.000 0.000
02004AB	10 RAW-FRESH OR NFS 31 COOKED-FRESH OR CANNED LEMONS-PULP	1.000	0.000156	0.062	0.00018 0.00018	0.000000 0.000000	0.000 0.000
02004HA	10 RAW-FRESH OR NFS 21 COOKED-NFS LEMONS-PEEL	1.000	0.000041	0.016	0.00018 0.00018	0.000000 0.000000	0.000 0.000
02004JA	10 RAW-FRESH OR NFS 21 COOKED-NFS LEMONS-JUICE	1.000	0.049111	19.644	0.00018 0.00018	0.000002 0.000001	0.001 0.000

23

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 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 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- 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
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 ORANGES-UNSPECIFIED	1.000	P	0.000000	0.000	0.00020	0.000001	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 ORANGES-PEEL	1.000	P	0.000347	0.139	0.00016	0.000000	0.000
02006JA	21 COOKED-NFS ORANGES-JUICE	1.000	P	5.913320	2365.328	0.00016	0.000000	0.000
02007AA	15 RAW-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	10 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					0.00160	0.000012	0.005
	21 COOKED-NFS					0.00160	0.000510	0.204
	31 COOKED-FRESH OR CANNED					0.00160	0.000044	0.018
	62 COOKED-FRESH OR FROZEN-BAKED					0.00160	0.000004	0.002
04001DA	APPLES-DRIED	1.000	P	0.002728	1.091	0.00160	0.000000	0.000
	10 RAW-FRESH OR NFS					0.00160	0.000000	0.000
	22 COOKED-FRESH-BAKED					0.00160	0.000001	0.000
	62 COOKED-FRESH OR FROZEN-BAKED							

24

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 12

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= 0.2500 mg/kg 5.00 ppm ONCO: Negative- 1 species	Deer RBC CHE; Deer Ht & Hg; 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
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
	31 COOKED-FRESH OR CANNED							
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
	21 COOKED-NFS							
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
	22 COOKED-FRESH-BAKED							
05002AA	CERRIES-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
	21 COOKED-NFS					0.00099	0.000049	0.020
	31 COOKED-FRESH OR CANNED					0.00099	0.000008	0.003
05002DA	CERRIES-DRIED	1.000	P	0.000000	0.000	0.00099	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)							
05002JA	CERRIES-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					0.00414	0.000874	0.350
05004AA	PEACHES-FRESH	1.000	P	0.472640	189.056	0.00414	0.000069	0.028
	10 RAW-FRESH OR NFS					0.00414	0.000880	0.352
	21 COOKED-NFS					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							

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	Zyr feeding- rat NOEL= 0.0250 mg/kg 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 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	0.000
	10 RAW-FRESH OR NFS					0.00090	0.000033	0.013
	31 COOKED-FRESH OR CANNED					0.00090	0.000011	0.004
05005DA	PLUMS-PRUNES(DRIED)	1.000	P	0.024393	9.757	0.00090	0.000003	0.001
	10 RAW-FRESH OR NFS					0.00090	0.000011	0.004
	21 COOKED-NFS					0.00090	0.000008	0.003
	31 COOKED-FRESH OR CANNED					0.00090	0.000014	0.006
05005JA	PLUMS, PRUNE-JUICE	1.000	P	0.015378	6.151	0.00090	0.000000	0.000
	10 RAW-FRESH OR NFS					0.00090	0.000000	0.000
	62 COOKED-FRESH OR FROZEN-BAKED							
CROP GROUP TOTALS FOR STONE FRUITS:					0.791884	316.754	0.002445	0.978
01002AA	BLACKBERRIES	1.000	P	0.012826	5.130	0.00007	0.000000	0.000
	10 RAW-FRESH OR NFS					0.00007	0.000001	0.000
	21 COOKED-NFS					0.00007	0.000000	0.000
	62 COOKED-FRESH OR FROZEN-BAKED							
01003AA	BOYSENBERRIES	1.000	P	0.004840	1.936	0.01000	0.000048	0.019
	10 RAW-FRESH OR NFS					0.01000	0.000000	0.000
	DEWBERRIES	1.000	P	0.000000	0.000	0.01000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)							
01005AA	LOGANBERRIES	1.000	P	0.000000	0.000	0.01000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)							
01006AA	RASPBERRIES	1.000	P	0.002793	1.117	0.01000	0.000008	0.003
	10 RAW-FRESH OR NFS					0.01000	0.000000	0.000
	15 RAW-FRESH OR CANNED					0.01000	0.000015	0.006
	31 COOKED-FRESH OR CANNED					0.01000	0.000000	0.000
	62 COOKED-FRESH OR FROZEN-BAKED					0.01000	0.000005	0.002
	70 RAW-FROZEN							
01007AA	YOUNGBERRIES	1.000	P	0.000000	0.000	0.01000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)							
01009AA	BLUEBERRIES	1.000	P	0.015086	6.034	0.00009	0.000001	0.000
	10 RAW-FRESH OR NFS					0.00009	0.000000	0.000
	21 COOKED-NFS					0.00009	0.000000	0.000
	22 COOKED-FRESH-BAKED					0.00009	0.000000	0.000
	62 COOKED-FRESH OR FROZEN-BAKED					0.00009	0.000000	0.000
01010AA	CRANBERRIES	1.000	P	0.051415	20.566	0.02900	0.000015	0.006
	10 RAW-FRESH OR NFS					0.02900	0.000001	0.000
	21 COOKED-NFS					0.02900	0.000001	0.000
	31 COOKED-FRESH OR CANNED					0.02900	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 LEL= 0.50 ppm 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 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
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
	31 COOKED-FRESH OR CANNED							
01011AA	CURRANTS	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
	22 COOKED-FRESH-BAKED					0.01000	0.000006	0.002
01013AA	GOOSEBERRIES	1.000	P	0.000776	0.310	0.01000	0.000008	0.003
	62 COOKED-FRESH OR FROZEN-BAKED					0.06000	0.003732	1.493
01014AA	GRAPES-FRESH	1.000	P	0.130362	52.145	0.06000	0.000257	0.103
	10 RAW-FRESH OR NFS					0.06000	0.003833	1.533
	21 COOKED-NFS					0.06000	0.003713	1.485
	31 COOKED-FRESH OR CANNED					0.06000	0.014523	5.809
01014DA	GRAPES-RAISINS	1.000	P	0.310076	124.030	0.06000	0.000368	0.147
	10 RAW-FRESH OR NFS					0.06000	0.003713	1.485
	21 COOKED-NFS					0.06000	0.002478	0.991
	22 COOKED-FRESH-BAKED					0.06000	0.023994	9.598
01014JA	GRAPES- JUICE	1.000	P	0.451838	180.735	0.06000	0.000638	0.255
	10 RAW-FRESH OR NFS					0.06000	0.001828	0.731
	15 RAW-FRESH OR CANNED					0.05000	0.000520	0.208
	21 COOKED-NFS					0.05000	0.000634	0.254
	70 RAW-FROZEN							
01015AA	HUCKLEBERRIES (GAYLUSSACIA)	1.000	P	0.000000	0.000	0.01000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)							
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
	31 COOKED-FRESH OR CANNED							
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							

27

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 15

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.

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

28

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 09/24/96

PAGE: 16

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	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
-----------	-------------------	-----------------	------	------------------	------	---------------------------	-----------------	------

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
	22 COOKED-FRESH-BAKED							
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
	22 COOKED-FRESH-BAKED							
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	0.000005	0.002
	23 COOKED-FRESH-BOILED					0.00100	0.000001	0.000
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

29