

US EPA ARCHIVE DOCUMENT

Yielded Update

New AR's on Tomatoes

DATE: 04/23/96

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methamidophos (Monitor) Caswell #378A CAS No. 10265-92-6 A.I. CODE: 101201 CFR No. 180.315	56d feeding- rat NOEL= 0.0000 mg/kg 0.00 ppm LEL= 0.0300 mg/kg 0.50 ppm ONCO: E (Rfd/PR Committee)	ChE inhibition (plasma, RBC & brain); LDT was considered a threshold level. No evidence of carcinogenicity in rats or mice.	ADI UF -->30 OPP RFD= 0.001000 EPA RFD= 0.000050	No data gaps.	HED reassess 04/03/87 EPA verified 05/20/87 WHO reviewed 1990 Rfd/PR reviewed 05/29/92 Rfd/PR reviewed 06/15/95 On IRIS.

POPULATION SUBGROUP	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 - 48 STATES	0.002593	0.002627	262.700200	3.432800	0.000243	24.32080
U.S. POPULATION - SPRING SEASON	0.002521	0.002546	254.584800	2.435100	0.000234	23.43370
U.S. POPULATION - SUMMER SEASON	0.002809	0.002843	284.287300	3.368700	0.000263	26.26450
U.S. POPULATION - FALL SEASON	0.002512	0.002539	253.851800	2.686000	0.000235	23.53730
U.S. POPULATION - WINTER SEASON	0.002528	0.002555	255.506300	2.657900	0.000240	24.02100
NORTHEAST REGION	0.002518	0.002551	255.138300	3.324000	0.000244	24.41260
NORTH CENTRAL REGION	0.002594	0.002619	261.851000	2.406900	0.000244	24.43400
SOUTHERN REGION	0.002547	0.002565	256.520300	1.815100	0.000228	22.83750
WESTERN REGION	0.002769	0.002812	281.191900	4.302600	0.000266	26.55560
HISPANICS	0.002980	0.003036	303.629900	5.667200	0.000247	24.74910
NON-HISPANIC WHITES	0.002626	0.002654	265.402300	2.774200	0.000249	24.90680
NON-HISPANIC BLACKS	0.002164	0.002178	217.800000	1.424400	0.000199	19.85020
NON-HISPANIC OTHERS	0.002835	0.002870	286.977900	3.472700	0.000280	27.97080
NURSING INFANTS (< 1 YEAR OLD)	0.000651	0.000653	65.282800	0.195200	0.000041	4.13500
NON-NURSING INFANTS (< 1 YEAR OLD)	0.002241	0.002245	224.458700	0.363500	0.000164	16.43230
FEMALES (13+ YEARS, PREGNANT)	0.002210	0.002226	222.624100	1.651000	0.000210	20.97630
FEMALES 13+ YEARS, NURSING	0.002409	0.002435	243.529500	2.673600	0.000222	22.22420
CHILDREN (1-6 YEARS OLD)	0.004489	0.004532	453.187700	4.255100	0.000397	39.66970
CHILDREN (7-12 YEARS OLD)	0.003740	0.003772	377.237300	3.280600	0.000337	33.70690
MALES (13-19 YEARS OLD)	0.002625	0.002650	264.979800	2.447800	0.000238	23.76860
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.002318	0.002339	233.942800	2.172100	0.000217	21.65130
MALES (20 YEARS AND OLDER)	0.002154	0.002181	218.075100	2.697800	0.000206	20.58720
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.002175	0.002201	220.084300	2.632500	0.000215	21.45320

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

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methamidophos (Monitor) Caswell #378A CAS No. 10265-92-6 A.I. CODE: 101201 CFR No. 180.315	56d feeding- Rat NOEL= 0.0300 mg/kg 0.00 ppm LEL= 0.0500 mg/kg 0.50 ppm ONCO: Negative- 2 species	ChE inhibition (plasma, RBC, & brain); LDT was considered a threshold level. No evidence of carcinogenicity in rats or mice.	ADI UF -->30 OPP RfD= 0.001000 EPA RfD= 0.000050	No data gaps.	HED reviewed 06/13/86 HED reassess 04/03/87 EPA verified 05/20/87 WHO reviewed 1990 RfD/PR reviewed 05/29/92 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)
01010AA	CRANBERRIES	10 RAW-FRESH OR NFS	3E2770	P 0.100000	0.100000		100.00	0.100000
01010AA	CRANBERRIES	21 COOKED-NFS	3E2770	P 0.100000	0.100000		100.00	0.100000
01010AA	CRANBERRIES	31 COOKED-FRESH OR CANNED	3E2770	P 0.100000	0.100000		100.00	0.100000
01010JA	CRANBERRY-JUICE	15 RAW-FRESH OR CANNED	3E2770	P 0.100000	0.100000		100.00	0.100000
01010JA	CRANBERRY-JUICE	31 COOKED-FRESH OR CANNED	3E2770	P 0.100000	0.100000		100.00	0.100000
08048DA	PAPRIKA	00 NOT SPECIFIED (NO CONSUMPTION)	4E1424	N 1.000000	1.000000		1.00	0.010000
10002AA	CANTALOUPE-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	4E1424	P 0.500000	0.500000		19.00	0.095000
10002AB	CANTALOUPE-PULP	10 RAW-FRESH OR NFS	4E1424	P 0.500000	0.500000		19.00	0.095000
10002AB	CANTALOUPE-PULP	21 COOKED-NFS	4E1424	P 0.500000	0.500000		16.00	0.080000
10003AA	CASABAS	10 RAW-FRESH OR NFS	4E1424	P 0.500000	0.500000		16.00	0.080000
10004AA	CRENSHAW	00 NOT SPECIFIED (NO CONSUMPTION)	4E1424	P 0.500000	0.500000		16.00	0.080000
10005AA	HONEYDEW MELONS	10 RAW-FRESH OR NFS	4E1424	P 0.500000	0.500000		16.00	0.080000
10007AA	PERSON MELONS	00 NOT SPECIFIED (NO CONSUMPTION)	4E1424	P 0.500000	0.500000		16.00	0.080000
10008AA	WATERMELON	10 RAW-FRESH OR NFS	4E1424	P 0.500000	0.500000		6.00	0.030000
10008AA	WATERMELON	21 COOKED-NFS	4E1424	P 0.500000	0.500000		6.00	0.030000
10010AA	CUCUMBERS	10 RAW-FRESH OR NFS	4E1424	P 1.000000	1.000000		1.00	0.010000
10010AA	CUCUMBERS	11 RAW-FRESH-PICKLED, CORNED, OR CURED	4E1424	P 1.000000	1.000000		1.00	0.010000
10010AA	CUCUMBERS	21 COOKED-NFS	4E1424	P 1.000000	1.000000		26.00	0.260000
11001AA	EGGPLANT	10 RAW-FRESH OR NFS	4E1424	P 1.000000	1.000000		26.00	0.260000
11001AA	EGGPLANT	21 COOKED-NFS	4E1424	P 1.000000	1.000000		6.00	0.060000
11001AA	EGGPLANT	25 COOKED-FRESH-FRIED	4E1424	P 1.000000	1.000000		6.00	0.060000
11003AA	PEPPERS, SHEET	10 RAW-FRESH OR NFS	4E1424	N 1.000000	1.000000		1.00	0.010000
11003AA	PEPPERS, SHEET	21 COOKED-NFS	4E1424	N 1.000000	1.000000		6.00	0.060000
11003AB	CHILI PEPPERS	00 NOT SPECIFIED (NO CONSUMPTION)	4E1424	N 1.000000	1.000000		6.00	0.060000
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS	4E1424	N 1.000000	1.000000		6.00	0.060000
11003AD	PEPPERS-OTHER	21 COOKED-NFS	4E1424	N 1.000000	1.000000		6.00	0.060000
11004AA	PIMIENTOS	10 RAW-FRESH OR NFS	4E1424	N 1.000000	1.000000		6.00	0.060000
11004AA	PIMIENTOS	21 COOKED-NFS	4E1424	N 1.000000	1.000000		6.00	0.060000
11004AA	PIMIENTOS	31 COOKED-FRESH OR CANNED	4E1424	N 1.000000	1.000000		42.00	0.420000
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS	4E1424	P 1.000000	1.000000		42.00	0.420000
11005AA	TOMATOES-WHOLE	21 COOKED-NFS	4E1424	P 1.000000	1.000000		42.00	0.420000
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	4E1424	P 1.000000	1.000000		42.00	0.420000
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS	4E1424	P 1.000000	1.000000		42.00	0.420000
11005JA	TOMATOES-JUICE	21 COOKED-NFS	4E1424	P 1.000000	1.000000		42.00	0.420000
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS	4E1424	P 1.000000	1.000000		42.00	0.420000
11005RA	TOMATOES-PUREE	21 COOKED-NFS	4E1424	P 1.000000	1.000000		42.00	0.420000
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED	4E1424	P 1.000000	1.000000		42.00	0.420000
11005RA	TOMATOES-PUREE	32 COOKED-FRESH OR CANNED-BAKED	4E1424	P 1.000000	1.000000		42.00	0.420000
11005RA	TOMATOES-PUREE	51 COOKED-CANNED	4E1424	P 1.000000	1.000000		42.00	0.420000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS
			ADI	UF		
Methamidophos (Monitor) Caswell #378A CAS No. 10265-92-6 A.I. CODE: 101201 CFR No. 180.315	56d feeding- rat NOEL= 0.0300 mg/kg 0.00 ppm LEL= 0.0500 mg/kg 0.50 ppm ONCO: Negative- 2 species	ChE inhibition (plasma, RBC, & brain); LDT was considered a threshold level. No evidence of carcinogenicity in rats or mice.	OPP Rfd= 0.001000 EPA Rfd= 0.000050	UF -->30	No data gaps.	HED reviewed 06/13/86 HED reassess 04/03/87 EPA verified 05/20/87 WHO reviewed 1990 Rfd/PR reviewed 05/29/92 On IRIS.

FOOD CODE	FOOD	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
11005TA	TOMATOES-PASTE	4E1424	P 1.000000	1.000000		42.00	0.420000
11005TA	TOMATOES-PASTE	4E1424	P 1.000000	1.000000		42.00	0.420000
11005TA	TOMATOES-PASTE	4E1424	P 1.000000	1.000000		42.00	0.420000
11005UA	TOMATOES-CATSUP	4E1424	P 1.000000	1.000000		21.00	0.210000
13002AA	CELERY	6E1794	P 1.000000	1.000000		11.00	0.110000
13002AA	CELERY	6E1794	P 1.000000	1.000000		11.00	0.110000
13005AA	BROCCOLI	0F0956	P 1.000000	1.000000		11.00	0.110000
13005AA	BROCCOLI	0F0956	P 1.000000	1.000000		11.00	0.110000
13005AA	BROCCOLI	0F0956	P 1.000000	1.000000		82.00	0.820000
13006AA	BRUSSEL SPROUTS	0F0956	P 1.000000	1.000000		25.00	0.250000
13006AA	BRUSSEL SPROUTS	0F0956	P 1.000000	1.000000		25.00	0.250000
13007AA	CABBAGE	0F0956	P 1.000000	1.000000		5.00	0.050000
13007AA	CABBAGE	0F0956	P 1.000000	1.000000		5.00	0.050000
13008AA	CAULIFLOWER	0F0956	P 1.000000	1.000000		13.00	0.130000
13008AA	CAULIFLOWER	0F0956	P 1.000000	1.000000		13.00	0.130000
13010AA	CABBAGE-CHINESE	0F0956	P 1.000000	1.000000		9.00	0.090000
13010AA	CABBAGE-CHINESE	0F0956	P 1.000000	1.000000		9.00	0.090000
13013AA	LETTUCE-LEAFY	0F0956	P 1.000000	1.000000		9.00	0.090000
13013AA	LETTUCE-LEAFY	0F0956	P 1.000000	1.000000		9.00	0.090000
13020AA	LETTUCE-UNSPEC	0F0956	P 1.000000	1.000000		25.00	0.250000
13045AA	LETTUCE-HEAD	0F0956	P 1.000000	1.000000		25.00	0.250000
13045AA	LETTUCE-HEAD	0F0956	P 1.000000	1.000000		25.00	0.250000
14013AA	POTATO(WH)-WHOLE	0F0956	P 0.100000	0.100000		25.00	0.025000
14013AA	POTATO(WH)-WHOLE	0F0956	P 0.100000	0.100000		25.00	0.025000
14013AB	POTATO(WH)-UNSPEC	0F0956	P 0.100000	0.100000		25.00	0.025000
14013AC	POTATO(WH)-PULP	0F0956	P 0.100000	0.100000		25.00	0.025000
14013AC	POTATO(WH)-PULP	0F0956	P 0.100000	0.100000		25.00	0.025000
14013AC	POTATO(WH)-PULP	0F0956	P 0.100000	0.100000		25.00	0.025000
14013DA	POTATO(WH)-DRY	0F0956	P 0.100000	0.100000		1.00	0.010000
14013DA	POTATO(WH)-DRY	0F0956	P 0.100000	0.100000		1.00	0.010000
15001AA	BEANS-DRY-GRT NO	5F1578	P 1.000000	1.000000		1.00	0.010000
15001AB	BEANS-DRY-KIDNEY 21	5F1578	P 1.000000	1.000000		1.00	0.010000
15001AB	BEANS-DRY-KIDNEY 31	5F1578	P 1.000000	1.000000		1.00	0.010000
15001AC	BEANS-DRY-LIMA	5F1578	P 1.000000	1.000000		1.00	0.010000
15001AD	BEANS-DRY-NAVY	5F1578	P 1.000000	1.000000		1.00	0.010000
15001AD	BEANS-DRY-NAVY	5F1578	P 1.000000	1.000000		1.00	0.010000

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methamidophos (Monitor) Caswell #378A CAS No. 10265-92-6 A.I. CODE: 101201 CFR No. 180.315	56d feeding- rat NOEL= 0.0300 mg/kg 0.00 ppm LEL= 0.0500 mg/kg 0.50 ppm ONCO: Negative- 2 species	ChE inhibition (plasma, RBC, & brain); LDI was considered a threshold level. No evidence of carcinogenicity in rats or mice.	ADI UF -->30 OPP Rfd= 0.001000 EPA Rfd= 0.000050	No data gaps.	HED reviewed 06/13/86 HED reassess 04/03/87 EPA verified 05/20/87 WHO reviewed 1990 Rfd/PR reviewed 05/29/92 On IRIS.

FOOD CODE	FOOD	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
15001AE	BEANS-DRY-OTHER	21	COOKED-NFS	P 1.000000	1.000000	1.00	0.010000
15001AE	BEANS-DRY-OTHER	25	COOKED-FRESH-FRIED	P 1.000000	1.000000	1.00	0.010000
15001AE	BEANS-DRY-OTHER	31	COOKED-FRESH OR CANNED	P 1.000000	1.000000	1.00	0.010000
15001AF	BEANS-DRY-PINTO	21	COOKED-NFS	P 1.000000	1.000000	1.00	0.010000
15002AA	BEANS-SUCC-LIMA	10	RAW-FRESH OR NFS	P 1.000000	1.000000	1.00	0.010000
15002AA	BEANS-SUCC-LIMA	21	COOKED-NFS	P 1.000000	1.000000	1.00	0.010000
15003AA	BEANS-SUCC-GREEN	21	COOKED-NFS	P 1.000000	1.000000	1.00	0.010000
15003AB	BEANS-SUCC-OTH	10	RAW-FRESH OR NFS	P 1.000000	1.000000	1.00	0.010000
15003AB	BEANS-SUCC-OTH	21	COOKED-NFS	P 1.000000	1.000000	1.00	0.010000
15003AC	BEANS-SUCC-WAX	21	COOKED-NFS	P 1.000000	1.000000	1.00	0.010000
15013AA	MUNG BEANS	10	RAW-FRESH OR NFS	P 1.000000	1.000000	1.00	0.010000
15013AA	MUNG BEANS	21	COOKED-NFS	P 1.000000	1.000000	1.00	0.010000
15022AA	BEANS-DRY-BROAD	00	NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	1.000000	1.00	0.010000
15022AB	BEANS-SUCC-BROAD	00	NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	1.000000	1.00	0.010000
15023AA	BEANS-DRY-PTIGEON	21	COOKED-NFS	P 1.000000	1.000000	1.00	0.010000
15027AA	BEANS-UNSPEC	21	COOKED-NFS	P 1.000000	1.000000	1.00	0.010000
15030AA	BEANS-DRY-HYAC	00	NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	1.000000	1.00	0.010000
15030AB	BEANS-SUCC-HYAC	00	NOT SPECIFIED (NO CONSUMPTION)	P 1.000000	1.000000	1.00	0.010000
15031AA	BLKEYE PEAS-DRY	21	COOKED-NFS	P 1.000000	1.000000	4.00	0.000800
25002SA	BET SUGAR	10	RAW-FRESH OR NFS	P 0.020000	0.020000	4.00	0.000800
25002SA	BET SUGAR	21	COOKED-NFS	P 0.020000	0.020000	4.00	0.000800
25002SA	BET SUGAR	22	COOKED-FRESH-BAKED	P 0.020000	0.020000	4.00	0.000800
25002SA	BET SUGAR	31	COOKED-FRESH OR CANNED	P 0.020000	0.020000	100.00	0.100000
270030A	COTTONSEED-OIL	18	PROCESSED OIL	P 0.100000	0.100000	100.00	0.100000
270030A	COTTONSEED-MEAL	18	PROCESSED OIL	P 0.100000	0.100000	100.00	0.100000

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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POPULATION SUBGROUP	TOTAL THRC (MG/KG BODY WEIGHT/DAY)		NEW THRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES	
	CURRENT THRC*	NEW THRC**			ARC	%RFD
U.S. POPULATION - 48 STATES	0.002593	0.002627	262.700200	3.432800	0.000730	73.01710
U.S. POPULATION - SPRING SEASON	0.002521	0.002546	254.584800	2.435100	0.000696	69.57060
U.S. POPULATION - SUMMER SEASON	0.002809	0.002843	284.287300	3.368700	0.000762	76.21300
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U.S. POPULATION - WINTER SEASON	0.002528	0.002555	255.506300	2.657900	0.000734	73.42530
NORTHEAST REGION	0.002518	0.002551	255.138300	3.324000	0.000742	74.21710
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SOUTHERN REGION	0.002547	0.002565	256.520300	1.815100	0.000665	66.52610
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NON-HISPANIC OTHERS	0.002835	0.002870	286.977900	3.472700	0.000701	70.11120
NURSING INFANTS (< 1 YEAR OLD)	0.000651	0.000653	65.282800	0.195200	0.000128	12.83930
NON-NURSING INFANTS (< 1 YEAR OLD)	0.002241	0.002245	224.458700	0.363500	0.000481	48.14620
FEMALES (13+ YEARS, PREGNANT)	0.002210	0.002226	222.624100	1.651000	0.000642	64.22360
FEMALES 13+ YEARS, NURSING CHILDREN (1-6 YEARS OLD)	0.002409	0.002435	243.529500	2.673600	0.000670	67.04130
CHILDREN (7-12 YEARS OLD)	0.004489	0.004532	453.187700	4.255100	0.001343	134.29820
CHILDREN (13-19 YEARS OLD)	0.003760	0.003772	377.237300	3.280600	0.001099	109.85110
MALES (13-19 YEARS OLD)	0.002625	0.002650	264.979800	2.447800	0.000781	78.10220
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.002318	0.002339	233.942800	2.172100	0.000666	66.56260
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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 05/16/95

PAGE: 1

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methamidophos (Monitor) Caswell #378A CAS No. 10265-92-6 A.I. CODE: 101201 CFR No. 180.315	56d feeding- rat NOEL= 0.0300 mg/kg 0.00 ppm LEL= 0.0500 mg/kg 0.50 ppm ONCO: Negative- 2 species	ChE inhibition (plasma, RBC, & brain); LDT was considered a threshold level. No evidence of carcinogenicity in rats or mice.	ADI UF -->30 OPP RfD= 0.001000 EPA RfD= 0.000050	No data gaps.	HED reviewed 06/13/86 HED reassess 04/03/87 EPA verified 05/20/87 WHO reviewed 1990 RfD/PR reviewed 05/29/92 On IRIS.

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	THRC (UG/KG/DAY)	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
13016AA	FENNEL	1.000	P	0.000000	0.000	0.13000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)							
270030A	COTTONSEED-OIL	0.100	P	0.003636	0.364	0.10000	0.003636	0.364
	18 PROCESSED OIL							
27003WA	COTTONSEED-MEAL	0.100	P	0.000051	0.005	0.10000	0.000051	0.005
	18 PROCESSED OIL							
<b>CROP GROUP TOTALS FOR UNSPECIFIED:</b>								
				0.003687	0.369	0.003687		0.369
14013AA	POTATOES(WHITE)-WHOLE	0.100	P	0.057998	5.800	0.02500	0.001992	0.199
	10 RAW-FRESH OR NFS					0.02500	0.006512	0.651
	21 COOKED-NFS					0.02500	0.005996	0.600
	22 COOKED-FRESH-BAKED							
14013AB	POTATOES(WHITE)-UNSPECIFIED	0.100	P	0.000019	0.002	0.02500	0.003867	0.387
	22 COOKED-FRESH-BAKED					0.02500	0.001949	0.195
	23 COOKED-FRESH-BOILED					0.02500	0.021732	2.173
14013AC	POTATOES(WHITE)-PEELED	0.100	P	0.164854	16.485	0.02500	0.013666	1.367
	21 COOKED-NFS							
	22 COOKED-FRESH-BAKED							
	23 COOKED-FRESH-BOILED							
	25 COOKED-FRESH-FRIED							
14013DA	POTATOES(WHITE)-DRY	0.100	P	0.002212	0.221	0.02500	0.000290	0.029
	10 RAW-FRESH OR NFS					0.02500	0.000263	0.026
	31 COOKED-FRESH OR CANNED							
14013HA	POTATOES(WHITE)-PEEL ONLY	0.100	P	0.000000	0.000	0.02500	0.000000	0.000
	22 COOKED-FRESH-BAKED							
25002SA	BET SUGAR	0.020	P	0.016368	1.637	0.00080	0.000059	0.006
	10 RAW-FRESH OR NFS					0.00080	0.000145	0.015
	21 COOKED-NFS					0.00080	0.000123	0.012
	22 COOKED-FRESH-BAKED					0.00080	0.000327	0.033
	31 COOKED-FRESH OR CANNED							
<b>CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:</b>								
				0.241451	24.145	0.056926		5.693
13002AA	CELERY	1.000	P	0.079929	7.993	0.21000	0.012506	1.251
	10 RAW-FRESH OR NFS					0.21000	0.004279	0.428
	21 COOKED-NFS							
13013AA	LETTUCE-LEAFY VARIETIES	1.000	P	0.002778	0.278	0.09000	0.000250	0.025
	10 RAW-FRESH OR NFS							
13020AA	LETTUCE-UNSPECIFIED	1.000	P	0.014126	1.413	0.09000	0.001271	0.127
	10 RAW-FRESH OR NFS							
13045AA	LETTUCE-HEAD VARIETIES	1.000	P	0.161203	16.120	0.09000	0.013884	1.388
	10 RAW-FRESH OR NFS							

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methamidophos (Monitor) Caswell #378A CAS No. 10265-92-6 A.I. CODE: 101201 CFR No. 180.315	56d feeding- rat NOEL= 0.0300 mg/kg 0.00 ppm LEL= 0.0500 mg/kg 0.50 ppm ONCO: Negative- 2 species	ChE inhibition (plasma, RBC, & brain); LDT was considered a threshold level. No evidence of carcinogenicity in rats or mice.	ADI UF -->30 OPP RfD= 0.001000 EPA RfD= 0.000050	No data gaps.	HED reviewed 06/13/86 HED reassess 04/03/87 EPA verified 05/20/87 WHO reviewed 1990 RfD/PR reviewed 05/29/92 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 LEAFY VEGETABLES (EXCL. BRASSICAE):								
	21 COOKED-NFS	1.000	P	0.258036	25.804	0.09000	0.000624	0.062
13005AA	BROCCOLI	1.000	P	0.068341	6.834	0.11000	0.000473	0.047
	21 COOKED-NFS					0.11000	0.006206	0.621
	63 COOKED-FRESH OR FROZEN-BOILED					0.11000	0.000839	0.084
13006AA	BRUSSEL SPROUTS	1.000	P	0.005831	0.583	0.82000	0.000827	0.083
	21 COOKED-NFS					0.82000	0.003954	0.395
	23 COOKED-FRESH-BOILED					0.25000	0.008460	0.846
13007AA	CABBAGE-GREEN AND RED	1.000	P	0.098405	9.841	0.25000	0.001526	0.153
	10 RAW-FRESH OR NFS					0.25000	0.014614	1.461
	11 RAW-FRESH-PICKLED, CORNED, OR CURED					0.05000	0.000096	0.010
	21 COOKED-NFS					0.05000	0.000748	0.075
13008AA	CAULIFLOWER	1.000	P	0.016890	1.689	0.13000	0.000076	0.008
	10 RAW-FRESH OR NFS					0.13000	0.001601	0.160
13010AA	CABBAGE-CHINESE/CELERY (INC. BOX CHOY)	1.000	P	0.012899	1.290	0.01000	0.000000	0.000
	21 COOKED-NFS					0.01000	0.000287	0.029
	21 COOKED-NFS					0.01000	0.000006	0.001
CROP GROUP TOTALS FOR BRASSICA (COLE) LEAFY VEGETABLES:								
	21 COOKED-NFS	1.000	P	0.202366	20.237	0.01000	0.000000	0.000
15001AA	BEANS-DRY-GREAT NORTHERN	1.000	P	0.000000	0.000	0.01000	0.000287	0.029
	00 NOT SPECIFIED (NO CONSUMPTION)					0.01000	0.000006	0.001
15001AB	BEANS-DRY-KIDNEY	1.000	P	0.029294	2.929	0.01000	0.000140	0.014
	21 COOKED-NFS					0.01000	0.000178	0.018
	31 COOKED-FRESH OR CANNED					0.01000	0.000700	0.070
15001AC	BEANS-DRY-LIMA	1.000	P	0.014043	1.404	0.01000	0.000296	0.030
	21 COOKED-NFS					0.01000	0.000156	0.016
15001AD	BEANS-DRY-NAVY (PEA)	1.000	P	0.087806	8.781	0.01000	0.000334	0.033
	21 COOKED-NFS					0.01000	0.000869	0.087
	31 COOKED-FRESH OR CANNED					0.01000	0.000000	0.000
15001AE	BEANS-DRY-OTHER	1.000	P	0.078555	7.856	0.01000	0.000296	0.030
	21 COOKED-NFS					0.01000	0.000156	0.016
	25 COOKED-FRESH-FRIED					0.01000	0.000334	0.033
	31 COOKED-FRESH OR CANNED					0.01000	0.000869	0.087
15001AF	BEANS-DRY-PINTO	1.000	P	0.086905	8.691	0.01000	0.000000	0.000
	21 COOKED-NFS					0.01000	0.000000	0.000
15002AA	BEANS-SUCCULENT-LIMA	1.000	P	0.038633	3.863	0.01000	0.000000	0.000
	10 RAW-FRESH OR NFS							

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 05/16/95

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methamidophos (Monitor) Caswell #378A CAS No. 10265-92-6 A.I. CODE: 101201 CFR No. 180.315	56d feeding- rat NOEL= 0.0300 mg/kg 0.00 ppm LEL= 0.0500 mg/kg 0.50 ppm ONCO: Negative- 2 species.	ChE inhibition (plasma, RBC, & brain); LDT was considered a threshold level. No evidence of carcinogenicity in rats or mice.	ADI UF -->30 OPP RfD= 0.001000 EPA RfD= 0.000050	No data gaps.	HED reviewed 06/13/86 HED reassess 04/03/87 EPA verified 05/20/87 WHO reviewed 1990 RfD/PR reviewed 05/29/92 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
15003AA	21 COOKED-NFS BEANS-SUCCULENT-GREEN	1.000	P	0.343405	34.341	0.01000	0.000386	0.039
15003AB	21 COOKED-NFS BEANS-SUCCULENT-OTHER 10 RAW-FRESH OR NFS	1.000	P	0.043819	4.382	0.01000	0.003434	0.343
15003AC	21 COOKED-NFS BEANS-SUCCULENT-YELLOW,MAX	1.000	P	0.012414	1.241	0.01000	0.000000	0.000
15013AA	21 COOKED-NFS MUNG BEANS (SPROUTS) 10 RAW-FRESH OR NFS	1.000	P	0.008333	0.833	0.01000	0.000438	0.044
15022AA	21 COOKED-NFS BEANS-DRY-BROADBEANS(NATURE SEED) 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.01000	0.000124	0.012
15022AB	21 COOKED-NFS BEANS-SUCCULENT-BROADBEANS(IMMAT. SEED) 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.01000	0.000016	0.002
15023AA	21 COOKED-NFS BEANS-DRY-PIGEON BEANS	1.000	P	0.000000	0.000	0.01000	0.000067	0.007
15027AA	21 COOKED-NFS BEANS-UNSPECIFIED	1.000	P	0.010745	1.075	0.01000	0.000000	0.000
15030AA	21 COOKED-NFS BEANS-DRY-HYACINTH(MATURE SEEDS) 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.01000	0.000107	0.011
15030AB	21 COOKED-NFS BEANS-SUCCULENT-HYACINTH(YOUNG PODS) 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	P	0.000000	0.000	0.01000	0.000000	0.000
15031AA	21 COOKED-NFS BEANS-DRY-BLACKEYE PEAS(COMPEAS)	1.000	P	0.003510	0.351	0.01000	0.000000	0.000
				0.757462	75.746	0.01000	0.000035	0.004
CROP GROUP TOTALS FOR LEGUME VEGETABLES:				0.757462	75.746	0.01000	0.007573	0.757

11001AA	EGGPLANT 10 RAW-FRESH OR NFS	1.000	P	0.002128	0.213	0.26000	0.000000	0.000
	21 COOKED-NFS					0.26000	0.000553	0.055
11003AA	25 COOKED-FRESH-FRIED PEPPERS (SWEET/GARDEN) 10 RAW-FRESH OR NFS	1.000	N	0.034216	3.422	0.26000	0.000000	0.000
11003AB	21 COOKED-NFS CHILI PEPPERS 00 NOT SPECIFIED (NO CONSUMPTION)	1.000	N	0.000000	0.000	0.06000	0.000562	0.056
11003AD	21 COOKED-NFS PEPPERS-OTHER 10 RAW-FRESH OR NFS 21 COOKED-NFS 51 COOKED-CANNED	1.000	N	0.005386	0.539	0.06000	0.001491	0.149
						0.01000	0.000000	0.000
						0.06000	0.000012	0.001
						0.06000	0.000305	0.031
						0.06000	0.000006	0.001

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methamidophos (Monitor) Caswell #378A CAS No. 10265-92-6 A.I. CODE: 101201 CFR No. 180.315	56d feeding- rat NOEL= 0.0300 mg/kg 0.00 ppm LEL= 0.0500 mg/kg 0.50 ppm ONCO: Negative- 2 species	ChE inhibition (plasma, RBC, & brain); LDT was considered a threshold level. No evidence of carcinogenicity in rats or mice.	ADI UF --230 OPP RfD= 0.001000 EPA RfD= 0.000050	No data gaps.	HED reviewed 06/13/86 HED reassess 04/03/87 EPA verified 05/20/87 WHO reviewed 1990 RfD/PR reviewed 05/29/92 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
11004AA	PIMIENTOS 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	1,000	N	0.002949	0.295	0.06000	0.000052	0.005
11005AA	TOMATOES-WHOLE 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	1,000	P	0.800248	80.025	0.42000	0.098083	9.808
11005JA	TOMATOES-JUICE 10 RAW-FRESH OR NFS 21 COOKED-NFS	1,000	P	0.059447	5.945	0.42000	0.000000	0.000
11005RA	TOMATOES-PUREE 10 RAW-FRESH OR NFS 21 COOKED-NFS	1,000	P	1.144825	114.483	0.42000	0.024968	2.497
11005TA	TOMATOES-PASTE 21 COOKED-NFS 22 COOKED-FRESH-BAKED 31 COOKED-FRESH OR CANNED 32 COOKED-FRESH OR CANNED-BAKED 51 COOKED-CANNED	1,000	P	0.530855	53.086	0.42000	0.000145	0.015
11005UA	TOMATOES-CATSUP 21 COOKED-NFS	1,000	P	0.273173	27.317	0.42000	0.166730	16.673
<b>CROP GROUP TOTALS FOR FRUITING VEGETABLES (EXCL. CUCURBITS):</b>					<b>285.323</b>		<b>1.182697</b>	<b>118.270</b>

10002AA	CANTALOUPE-UNSPECIFIED 00 NOT SPECIFIED (NO CONSUMPTION)	0.500	P	0.000000	0.000	0.09500	0.000000	0.000
10002AB	CANTALOUPE-PULP 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.500	P	0.020332	2.033	0.09500	0.003863	0.386
10003AA	CASABAS 10 RAW-FRESH OR NFS	0.500	P	0.000000	0.000	0.09500	0.000000	0.000
10004AA	CRENSHAW'S 00 NOT SPECIFIED (NO CONSUMPTION)	0.500	P	0.000000	0.000	0.08000	0.000000	0.000
10005AA	HONEYDEW MELONS 10 RAW-FRESH OR NFS	0.500	P	0.016516	1.652	0.08000	0.002643	0.264
10007AA	PERSION MELONS 00 NOT SPECIFIED (NO CONSUMPTION)	0.500	P	0.000000	0.000	0.08000	0.000000	0.000
10008AA	WATERMELON 10 RAW-FRESH OR NFS	0.500	P	0.070305	7.031	0.03000	0.004213	0.421

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methamidophos (Monitor)	56d feeding- rat	ADJ UF -->30	ADJ UF -->30	No data gaps.	HED reviewed 06/13/86	
Caswell #378A	NOEL= 0.0300 mg/kg	0.00 ppm	0.00 ppm	OPP RfD= 0.001000	HED reassess 04/03/87	
CAS No. 10265-92-6	LEL= 0.0500 mg/kg	0.50 ppm	0.50 ppm	EPA RfD= 0.000050	EPA verified 05/20/87	
A.I. CODE: 101201	ONCO: Negative- 2 species				WHO reviewed 1990	
CFR No. 180.315					RfD/PR reviewed 05/29/92	
					On IRIS.	

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	THRC (UG/KG/DAY)	XRFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	XRFD
10010AA	CUCUMBERS	1.000	P	0.100358	10.036	0.03000	0.000006	0.001
	21 COOKED-NFS							
	10 RAW-FRESH OR NFS					0.01000	0.000484	0.048
	11 RAW-FRESH-PICKLED, CORNED, OR CURED					0.01000	0.000488	0.049
	21 COOKED-NFS					0.01000	0.000031	0.003
<b>CROP GROUP TOTALS FOR FRUITING VEGETABLES (CUCURBITS):</b>					<b>20.751</b>	<b>0.011728</b>		<b>1.173</b>
01010AA	CRANBERRIES	0.100	P	0.005142	0.514	0.10000	0.000052	0.005
	10 RAW-FRESH OR NFS					0.10000	0.000004	0.000
	21 COOKED-NFS					0.10000	0.005085	0.509
	31 COOKED-FRESH OR CANNED							
01010JA	CRANBERRIES-JUICE	0.100	P	0.002995	0.300	0.10000	0.002953	0.295
	15 RAW-FRESH OR CANNED					0.10000	0.000043	0.004
	31 COOKED-FRESH OR CANNED							
<b>CROP GROUP TOTALS FOR SMALL FRUITS AND BERRIES:</b>					<b>0.814</b>	<b>0.008137</b>		<b>0.814</b>
080480A	PAPRIKA	1.000	N	0.000000	0.000	0.01000	0.000000	0.000
	00 NOT SPECIFIED (NO CONSUMPTION)							
<b>CROP GROUP TOTALS FOR HERBS AND SPICES:</b>					<b>0.000</b>	<b>0.000000</b>		<b>0.000</b>

GRAND TOTALS FOR CHILDREN (1-6 YEARS OLD)

1.342982

453.188

134.298

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

PYRETHRIN +

069001

Consolidated Data Base on Pesticide  
Use- NCFAP and Doane data

PCODE DRES CODE	CROP	ACRES GROWN	% AC. GROWN in using All States	ACRES TREATED	LBS AI RFF	PERCENT CROP TREATED		ACRE TREATMENTS DOANE 1992	LBS AI APPLIED		RATE DOANE		% CROP TREATED	
						NCFAP-92	DOANE		DOANE	1992	DOANE	1992	DOANE	1991
069001	LOTS/FARMSTEAD/	0	*****	0	0	*****	*****	0	0	*****	*****	*****	*****	*****
069001	OTHER	0	*****	0	0	*****	*****	2000	0	0.00	*****	*****	*****	*****
069001	COLE CROPS	282767	0.0	0	0	0.0	0.4	1000	0	0.00	0.0	0.0	0.0	0.0
069001	GRAPEVINES	0	*****	0	0	*****	*****	7000	0	0.00	*****	*****	*****	*****
069001	TOMACCO	784770	0.0	0	0	0.0	0.1	2000	0	0.00	0.1	0.1	0.1	0.0
069001	13011AA LEAFY VEGETABLE	74709	0.0	0	0	0.0	26.8	27000	0	0.00	0.0	0.0	0.0	0.0
069001	13013AA LETTUCE	272242	0.0	0	0	0.0	2.2	4000	0	0.00	0.7	0.7	1.1	1.1
*** Total ***				0	0									