

US EPA ARCHIVE DOCUMENT

4-25-97



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

APR 25 1997

4/25/97

MEMORANDUM

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

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

Through: Bill Burnam, Chief *WB*
Dietary Risk Evaluation Section
SAB/Health Effects Division

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

Action Requested

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

Discussion

Toxicological Endpoint:

The Reference Dose (RfD) used in the analysis is 0.008 mg/kg bwt/day, based on a NOEL of 2.5 mg/kg bwt/day from a two year feeding study in dogs with an uncertainty factor of 100. An additional uncertainty factor of 3 was applied to account for the lack of acute and subchronic studies that demonstrated increased cholinergic signs at 5 mg/kg/day (See RfD Document, 10/25/96).

Methomyl is classified as a Group E - not likely carcinogen.

The endpoint for acute dietary risk assessment is the maternal NOEL of 6.0 mg/kg bwt/day based on death in the dams on days 1-3 after dosing at 16 mg/kg/day (LOEL) (See TES Document, 10/18/96).

Residue Information

Tolerances for methomyl are published in 40 CFR §180.253 (a) and (b). The available data support the established tolerances on all published commodities except for dry beans, lentils, and turnips. For reregistration purposes, the following tolerances should be reassessed: on lentils, increase from 0.1 ppm to 0.2 ppm; on rye grain, increase from 1 ppm to 10 ppm. The tolerance on watercress should be revoked See Memo, C. Eiden, 2/11/97).

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

Results

Chronic Exposure:

A summary of the residue information considered in this analysis is attached as Table 1. A DRES chronic exposure analysis was performed using tolerance level residues and 100 percent crop treated information to estimate the Theoretical Maximum Residue Contribution (TMRC) for the general population and 22 subgroups. Percent crop treated data and anticipated residue data were used to calculate the Anticipated Residue Concentration (ARC) for those same population subgroups for certain commodities. Summaries of the TMRCs, ARCs and their representations as percentages of the Reference Dose (RfD) are included as Table 2. A summary of the residue information and the associated ARCs using the recommended tolerance increases and or decreases and RAC revocations are attached as Table 3, and 4.

Existing tolerances result in an ARC which represents 34.6% of the RfD for the U.S. general population. The highest subgroup, Non-Nursing Infants (<1 year old) occupies 67% of the RfD and Children (1-6 years old) occupies 62% of the RfD.

Incorporating the recommendations of CBRS (increasing the rye tolerance from 1 to 10 ppm, and the increase in the lentil tolerance from 0.1 ppm to 0.2 ppm and the deletion of cress) results in an ARC of 35% of the RfD for the U.S. general

population, 67% for Non-Nursing Infants (<1 year old) and 62.6% for Children (1-6 years old) (See Table 4).

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

Acute Exposure:

Two acute analyses were performed. Table 5 shows the results of the analysis using all presently registered commodities. Table 6 demonstrates results which would occur following the recommendations of CBRS.

The Margin of Exposure (MOE) is a measure of how close the high end exposure comes to the NOEL (the highest dose at which no effects were observed in the laboratory test), and is calculated as the ratio of the NOEL to the exposure ($\text{NOEL/exposure} = \text{MOE}$). Generally, acute dietary margins of exposure greater than 100 tend to cause no dietary concern when results are compared to animal-derived data. For calculation the MOE for methomyl, an extra safety factor of 3 was used in addition to the 100 (i.e., $\text{MOE} = 300$) due to the lack of acute and subchronic neurotoxicity studies (data gaps) as well as the severity of effects (death in 1-3 days) seen at the 6 mg/kg/day dose.

Presently registered commodities result in the following MOEs: U.S. Population = 43; Infants (<1 year) = 20; Children (1-6 years old) = 20; Females (13+ years) = 7; and Males (13+ years) = 75.

Following the recommendations of CBRS (which includes the increase of the lentil and rye tolerance from 0.1 ppm to 0.2 ppm and 1.0 ppm to 10 ppm respectively, and the deletion of watercress) results in identical MOEs as those listed above for all published uses of methomyl. These MOE values demonstrate that there is cause for concern regarding the acute dietary exposure from methomyl both for existing and proposed uses.

Attachments cc: DRES; Caswell 549C

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TABLE 1

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not Likely (RFD)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP RFD= 0.008000 EPA RFD= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 RFD/PR reviewed 04/13/94 RFD/PR reviewed 09/05/96 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAs, RUN (ppm)
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS	8F2064	P 6.000000	6.000000		18.00	1.080000
01009AA	BLUEBERRIES	21 COOKED-NFS	8F2064	P 6.000000	6.000000		18.00	1.080000
01009AA	BLUEBERRIES	22 COOKED-FRESH-BAKED	8F2064	P 6.000000	6.000000		18.00	1.080000
01009AA	BLUEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	8F2064	P 6.000000	6.000000		18.00	1.080000
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
01014AA	GRAPES-FRESH	21 COOKED-NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
01014AA	GRAPES-FRESH	31 COOKED-FRESH OR CANNED	4F1437	P 5.000000	5.000000		15.00	0.750000
01014DA	GRAPES-RAISINS	10 RAW-FRESH OR NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
01014DA	GRAPES-RAISINS	21 COOKED-NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
01014DA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED	4F1437	P 5.000000	5.000000		15.00	0.750000
01014JA	GRAPES-JUICE	10 RAW-FRESH OR NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
01014JA	GRAPES-JUICE	15 RAW-FRESH OR CANNED	4F1437	P 5.000000	5.000000		15.00	0.750000
01014JA	GRAPES-JUICE	21 COOKED-NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
01016AA	STRAWBERRIES	10 RAW-FRESH OR NFS	7F1948	P 2.000000	2.000000		20.00	0.400000
01016AA	STRAWBERRIES	21 COOKED-NFS	7F1948	P 2.000000	2.000000		20.00	0.400000
01016AA	STRAWBERRIES	70 RAW-FROZEN	7F1948	P 2.000000	2.000000		20.00	0.400000
02002AA	GRAPEFRUIT-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	2F1254	P 2.000000	2.000000		3.00	0.060000
02002AB	GRAPEFRUIT-PULP	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		3.00	0.060000
02002AB	GRAPEFRUIT-PULP	21 COOKED-NFS	2F1254	P 2.000000	2.000000		3.00	0.060000
02002JA	GRAPEFRUIT-JUICE	15 RAW-FRESH OR CANNED	2F1254	P 2.000000	2.000000		3.00	0.060000
02002JA	GRAPEFRUIT-JUICE	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		3.00	0.060000
02004AA	LEMONS-UNSPEC	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		1.00	0.020000
02004AA	LEMONS-UNSPEC	22 COOKED-FRESH-BAKED	2F1254	P 2.000000	2.000000		1.00	0.020000
02004AB	LEMONS-PULP	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		1.00	0.020000
02004AB	LEMONS-PULP	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		1.00	0.020000
02004HA	LEMONS-PEEL	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		1.00	0.020000
02004HA	LEMONS-PEEL	21 COOKED-NFS	2F1254	P 2.000000	2.000000		1.00	0.020000
02004JA	LEMONS-JUICE	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		1.00	0.020000
02004JA	LEMONS-JUICE	15 RAW-FRESH OR CANNED	2F1254	P 2.000000	2.000000		1.00	0.020000
02004JA	LEMONS-JUICE	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		1.00	0.020000
02006AA	ORANGES-UNSPEC	00 NOT SPECIFIED (NO CONSUMPTION)	2F1254	P 2.000000	2.000000		7.00	0.140000
02006AB	ORANGES-PULP	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		7.00	0.140000
02006AB	ORANGES-PULP	21 COOKED-NFS	2F1254	P 2.000000	2.000000		7.00	0.140000
02006HA	ORANGES-PEEL	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		7.00	0.140000
02006HA	ORANGES-PEEL	21 COOKED-FRESH-BAKED	2F1254	P 2.000000	2.000000		7.00	0.140000
02006HA	ORANGES-PEEL	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		7.00	0.140000
02006JA	ORANGES-JUICE	15 RAW-FRESH OR CANNED	2F1254	P 2.000000	2.000000		7.00	0.140000
02006JA	ORANGES-JUICE	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		7.00	0.140000
02007AA	TANGELOS	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		3.00	0.060000

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methylol Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not Likely (RFDC)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP RfD= 0.008000 EPA RfD= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 RfD/PR reviewed 04/13/94 RfD/PR reviewed 09/05/96 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAŞ RUN (ppm)
02008AA	TANGERINES	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		3.00	0.060000
02008JA	TANGERINE-JUICE	15 RAW-FRESH OR CANNED	2F1254	P 2.000000	2.000000		3.00	0.060000
03008AA	PECANS	10 RAW-FRESH OR NFS	6F1868	P 0.100000	0.100000		3.00	0.003000
03008AA	PECANS	21 COOKED-NFS	6F1868	P 0.100000	0.100000		3.00	0.003000
03008AA	PECANS	22 COOKED-FRESH-BAKED	6F1868	P 0.100000	0.100000		3.00	0.003000
03008AA	PECANS	23 COOKED-FRESH-BOILED	6F1868	P 0.100000	0.100000		3.00	0.003000
03008AA	PECANS	62 COOKED-FRESH OR FROZEN-BAKED	6F1868	P 0.100000	0.100000		3.00	0.003000
04001AA	APPLES-FRESH	10 RAW-FRESH OR NFS	3F1308	P 1.000000	1.000000		21.00	0.210000
04001AA	APPLES-FRESH	21 COOKED-NFS	3F1308	P 1.000000	1.000000		21.00	0.210000
04001AA	APPLES-FRESH	31 COOKED-FRESH OR CANNED	3F1308	P 1.000000	1.000000		21.00	0.210000
04001AA	APPLES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	3F1308	P 1.000000	1.000000		21.00	0.210000
04001DA	APPLES-DRIED	10 RAW-FRESH OR NFS	3F1308	P 1.000000	1.000000		21.00	0.210000
04001DA	APPLES-DRIED	22 COOKED-FRESH-BAKED	3F1308	P 1.000000	1.000000		21.00	0.210000
04001DA	APPLES-DRIED	62 COOKED-FRESH OR FROZEN-BAKED	3F1308	P 1.000000	1.000000		21.00	0.210000
04001JA	APPLES-JUICE	15 RAW-FRESH OR CANNED	3F1308	P 1.000000	1.000000		21.00	0.210000
04001JA	APPLES-JUICE	31 COOKED-FRESH OR CANNED	3F1308	P 1.000000	1.000000		21.00	0.210000
04003AA	PEARS-FRESH	10 RAW-FRESH OR NFS	1E2465	P 4.000000	4.000000		2.00	0.080000
04003AA	PEARS-FRESH	31 COOKED-FRESH OR CANNED	1E2465	P 4.000000	4.000000		2.00	0.080000
04003AA	PEARS-FRESH	51 COOKED-FRESH OR CANNED	1E2465	P 4.000000	4.000000		2.00	0.080000
04003AA	PEARS-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	1E2465	P 4.000000	4.000000		2.00	0.080000
04003DA	PEARS-DRIED	10 RAW-FRESH OR NFS	1E2465	P 4.000000	4.000000		2.00	0.080000
04003DA	PEARS-DRIED	21 COOKED-NFS	1E2465	P 4.000000	4.000000		2.00	0.080000
05004AA	NECTARINES	10 RAW-FRESH OR NFS	2F1246	P 5.000000	5.000000		45.00	2.250000
05004AA	PEACHES-FRESH	10 RAW-FRESH OR NFS	2F1246	P 5.000000	5.000000		14.00	0.700000
05004AA	PEACHES-FRESH	21 COOKED-NFS	2F1246	P 5.000000	5.000000		14.00	0.700000
05004AA	PEACHES-FRESH	31 COOKED-FRESH OR CANNED	2F1246	P 5.000000	5.000000		14.00	0.700000
05004DA	PEACHES-DRIED	51 COOKED-CANNED	2F1246	P 5.000000	5.000000		14.00	0.700000
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS	2F1246	P 5.000000	5.000000		14.00	0.700000
06001AA	AVOCADOS	10 RAW-FRESH OR NFS	8E2094	P 2.000000	2.000000		100.00	2.000000
06015AA	POMEGRANATES	10 RAW-FRESH OR NFS	6E1661	P 0.200000	0.200000		66.00	0.132000
06015AA	POMEGRANATES	21 COOKED-NFS	6E1661	P 0.200000	0.200000		66.00	0.132000
07006AA	CHICORY	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
08020AA	HOPS	21 COOKED-NFS	9H5584	M 12.00000	12.000000		100.00	12.000000
10002AA	CANTALOUPE-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	2F1245	P 0.200000	0.200000		8.00	0.016000
10002AB	CANTALOUPE-PULP	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		8.00	0.016000
10002AB	CANTALOUPE-PULP	21 COOKED-NFS	2F1245	P 0.200000	0.200000		10.00	0.020000
10003AA	CASABAS	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		10.00	0.020000
10004AA	CRENSHAW	00 NOT SPECIFIED (NO CONSUMPTION)	2F1245	P 0.200000	0.200000		10.00	0.020000
10005AA	HONEYDEW MELONS	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		10.00	0.020000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 549C

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not Likely (RFDC)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP Rfd= 0.008000 EPA Rfd= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 Rfd/PR reviewed 04/13/94 Rfd/PR reviewed 09/05/96 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAG RUN (ppm)
1007AA	PERSION MELONS	00 NOT SPECIFIED (NO CONSUMPTION)	2F1245	P 0.200000	0.200000		10.00	0.020000
1008AA	WATERMELON	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		16.00	0.032000
1008AA	WATERMELON	21 COOKED-NFS	2F1245	P 0.200000	0.200000		16.00	0.032000
10010AA	CUCUMBERS	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		17.00	0.034000
10010AA	CUCUMBERS	11 RAW-FRESH-PICKLED, CORNED, OR CURED	2F1245	P 0.200000	0.200000		17.00	0.034000
10010AA	CUCUMBERS	21 COOKED-NFS	2F1245	P 0.200000	0.200000		17.00	0.034000
10011AA	PUMPKIN	21 COOKED-NFS	2F1245	P 0.200000	0.200000		6.00	0.012000
10011AA	PUMPKIN	22 COOKED-FRESH-BAKED	2F1245	P 0.200000	0.200000		6.00	0.012000
10011AA	PUMPKIN	62 COOKED-FRESH OR FROZEN-BAKED	2F1245	P 0.200000	0.200000		6.00	0.012000
10013AA	SQUASH-SUMMER	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		22.00	0.044000
10013AA	SQUASH-SUMMER	21 COOKED-NFS	2F1245	P 0.200000	0.200000		22.00	0.044000
10014AA	SQUASH-WINTER	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		2.00	0.004000
10014AA	SQUASH-WINTER	21 COOKED-NFS	2F1245	P 0.200000	0.200000		2.00	0.004000
10014AA	SQUASH-WINTER	31 COOKED-FRESH OR CANNED	2F1245	P 0.200000	0.200000		22.00	0.044000
10017AA	BITTER MELON	21 COOKED-NFS	2F1245	P 0.200000	0.200000		10.00	0.020000
10020AA	TOMELGOURD	00 NOT SPECIFIED (NO CONSUMPTION)	2F1245	P 0.200000	0.200000		10.00	0.020000
11001AA	EGGPLANT	10 RAW-FRESH OR NFS	9F0814	P 0.200000	0.200000		44.00	0.088000
11001AA	EGGPLANT	21 COOKED-NFS	9F0814	P 0.200000	0.200000		44.00	0.088000
11001AA	EGGPLANT	25 COOKED-FRESH-FRIED	5F1616	P 2.000000	2.000000		52.00	1.040000
11003AA	PEPPERS, SWEET	10 RAW-FRESH OR NFS	5F1616	P 2.000000	2.000000		52.00	1.040000
11003AA	PEPPERS, SWEET	21 COOKED-NFS	5F1616	P 2.000000	2.000000		52.00	1.040000
11003AB	CHILI PEPPERS	00 NOT SPECIFIED (NO CONSUMPTION)	5F1616	P 2.000000	2.000000		1.00	0.020000
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS	5F1616	P 2.000000	2.000000		52.00	1.040000
11003AD	PEPPERS-OTHER	21 COOKED-NFS	5F1616	P 2.000000	2.000000		52.00	1.040000
11003AD	PEPPERS-OTHER	51 COOKED-CANNED	5F1616	P 2.000000	2.000000		52.00	1.040000
11004AA	PIMIENTOS	10 RAW-FRESH OR NFS	5F1616	P 2.000000	2.000000		52.00	1.040000
11004AA	PIMIENTOS	21 COOKED-NFS	5F1616	P 2.000000	2.000000		52.00	1.040000
11004AA	PIMIENTOS	31 COOKED-FRESH OR CANNED	5F1616	P 2.000000	2.000000		52.00	1.040000
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005AA	TOMATOES-WHOLE	21 COOKED-NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	5F1616	P 1.000000	1.000000		36.00	0.360000
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005JA	TOMATOES-JUICE	21 COOKED-NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005RA	TOMATOES-PUREE	21 COOKED-NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED	5F1616	P 1.000000	1.000000		36.00	0.360000
11005RA	TOMATOES-PUREE	32 COOKED-FRESH OR CANNED-BAKED	5F1616	P 1.000000	1.000000		36.00	0.360000
11005TA	TOMATOES-PASTE	51 COOKED-CANNED	5F1616	P 1.000000	1.000000		36.00	0.360000
11005TA	TOMATOES-PASTE	21 COOKED-NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED	5F1616	P 1.000000	1.000000		36.00	0.360000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 549C

PAGE: 4

DATE: 04/15/97

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm OMCO: E/Not likely (RFDC)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP RfD= 0.008000 EPA RfD= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 RfD/PR reviewed 04/13/94 RfD/PR reviewed 09/05/96 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAQ RUN (ppm)
11005TA	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED	5F1616	P 1.000000	1.000000		36.00	0.360000
11005UA	TOMATOES-CATSUP	21 COOKED-NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
13001AA	BETS-TOPS	31 COOKED-FRESH OR CANNED	8E2030	P 6.000000	6.000000		6.00	0.360000
13001AA	BETS-TOPS	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		6.00	0.360000
13002AA	CELERY	10 RAW-FRESH OR NFS	4F1448	P 3.000000	3.000000		64.00	1.920000
13002AA	CELERY	21 COOKED-NFS	4F1448	P 3.000000	3.000000		64.00	1.920000
13005AA	BROCCOLI	21 COOKED-NFS	4E3143	P 6.000000	3.000000		12.00	0.360000
13005AA	BROCCOLI	31 COOKED-FRESH OR CANNED	4E3143	P 6.000000	3.000000		12.00	0.360000
13005AA	BROCCOLI	63 COOKED-FRESH OR FROZEN-BOILED	4E3143	P 6.000000	3.000000		12.00	0.360000
13006AA	BRUSSEL SPROUTS	21 COOKED-NFS	4E3143	P 6.000000	4.000000		1.00	0.040000
13006AA	BRUSSEL SPROUTS	23 COOKED-FRESH-BOILED	4E3143	P 6.000000	4.000000		1.00	0.040000
13007AA	CABBAGE	10 RAW-FRESH OR NFS	4E3143	P 6.000000	1.000000		36.00	0.360000
13007AA	CABBAGE	11 RAW-FRESH-PICKLED, CORNED, OR CURED	4E3143	P 6.000000	1.000000		36.00	0.360000
13007AA	CABBAGE	21 COOKED-NFS	4E3143	P 6.000000	1.000000		36.00	0.360000
13008AA	CAULIFLOWER	10 RAW-FRESH OR NFS	4E3143	P 6.000000	4.000000		30.00	1.200000
13008AA	CAULIFLOWER	21 COOKED-NFS	4E3143	P 6.000000	4.000000		30.00	1.200000
13009AA	COLLARDS	51 COOKED-CANNED	8E2030	P 6.000000	6.000000		19.00	1.140000
13009AA	COLLARDS	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		19.00	1.140000
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	4E3143	P 6.000000	1.000000		36.00	0.360000
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	4E3143	P 6.000000	1.000000		36.00	0.360000
13011AA	KALE	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		35.00	2.100000
13012AA	KOHLRABI	21 COOKED-NFS	4E3143	P 6.000000	5.800000		35.00	2.030000
13013AA	LETTUCE-LEAFY	10 RAW-FRESH OR NFS	1F1021	P 5.000000	5.000000		54.00	2.700000
13013AA	DANDELTON	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		100.00	6.000000
13015AA	ENDIVE	10 RAW-FRESH OR NFS	1F1021	P 5.000000	5.000000		100.00	5.000000
13015AA	ENDIVE	21 COOKED-NFS	1F1021	P 5.000000	3.000000		100.00	5.000000
13016AA	FENNEL	00 NOT SPECIFIED (NO CONSUMPTION)	4F1448	P 3.000000	3.000000		54.00	3.000000
13020AA	LETTUCE-UNSPEC	10 RAW-FRESH OR NFS	1F1021	P 5.000000	5.000000		2.700000	2.700000
13021AA	MUSTARD GREENS	21 COOKED-NFS	8E2030	P 6.000000	6.000000		100.00	6.000000
13021AA	MUSTARD GREENS	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		100.00	6.000000
13022AA	PARSLEY	10 RAW-FRESH OR NFS	8E2030	P 6.000000	6.000000		19.00	1.140000
13022AA	PARSLEY	21 COOKED-NFS	8E2030	P 6.000000	6.000000		19.00	1.140000
13022AA	PARSLEY	53 COOKED-CANNED-BOILED	8E2030	P 6.000000	6.000000		19.00	1.140000
13023AA	RHUBARB	10 RAW-FRESH OR NFS	8F0681	P 0.200000	0.200000		100.00	0.200000
13023AA	RHUBARB	21 COOKED-NFS	8F0681	P 0.200000	0.200000		100.00	0.200000
13023AA	RHUBARB	31 COOKED-FRESH OR CANNED	8F0681	P 0.200000	0.200000		100.00	0.200000
13023AA	RHUBARB	62 COOKED-FRESH OR FROZEN-BAKED	8F0681	P 0.200000	0.200000		100.00	0.200000
13024AA	SPINACH	10 RAW-FRESH OR NFS	4F1448	P 6.000000	6.000000		25.00	1.500000
13024AA	SPINACH	21 COOKED-NFS	4F1448	P 6.000000	6.000000		25.00	1.500000
13024AA	SPINACH	31 COOKED-FRESH OR CANNED	4F1448	P 6.000000	6.000000		25.00	1.500000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm OMCO: E/Not Likely (RFDC)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP Rfd= 0.008000 EPA Rfd= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 Rfd/PR reviewed 04/13/94 Rfd/PR reviewed 09/05/96 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)
13025AA	SWISS CHARD	10 RAW-FRESH OR NFS	8E2030	P 6.000000	6.000000		100.00	6.000000
13025AA	SWISS CHARD	31 COOKED-FRESH OR CANNED	8E2030	P 6.000000	6.000000		100.00	6.000000
13025AA	SWISS CHARD	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		100.00	6.000000
13026AA	TURNIPS-TOPS	10 RAW-FRESH OR NFS	8E2030	P 6.000000	6.000000		100.00	6.000000
13026AA	TURNIPS-TOPS	21 COOKED-NFS	8E2030	P 6.000000	6.000000		100.00	6.000000
13026AA	TURNIPS-TOPS	31 COOKED-FRESH OR CANNED	8E2030	P 6.000000	6.000000		100.00	6.000000
13045AA	LETTUCE-HEAD	10 RAW-FRESH OR NFS	1F1021	P 5.000000	5.000000		54.00	2.700000
13045AA	LETTUCE-HEAD	21 COOKED-NFS	1F1021	P 5.000000	5.000000		54.00	2.700000
14001AA	BEETS-ROOTS	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		6.00	0.012000
14001AA	BEETS-ROOTS	21 COOKED-NFS	0F0886	P 0.200000	0.200000		6.00	0.012000
14001AA	BEETS-ROOTS	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	0F0886	P 0.200000	0.200000		6.00	0.012000
14001AA	BEETS-ROOTS	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		6.00	0.012000
14003AA	CARROTS	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		7.00	0.014000
14003AA	CARROTS	21 COOKED-NFS	0F0886	P 0.200000	0.200000		7.00	0.014000
14003AA	CARROTS	23 COOKED-FRESH-BOTTLED	0F0886	P 0.200000	0.200000		7.00	0.014000
14003AA	CARROTS	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		7.00	0.014000
14007AA	GARLIC	51 COOKED-CANNED	0F0886	P 0.200000	0.200000		7.00	0.014000
14007AA	GARLIC	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		13.00	0.026000
14007AA	GARLIC	21 COOKED-NFS	0F0886	P 0.200000	0.200000		13.00	0.026000
14007AA	GARLIC	32 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		13.00	0.026000
14010AA	LEEKS	31 COOKED-FRESH OR CANNED	4E3144	P 3.000000	2.800000		11.00	0.308000
14011AA	ONIONS-DRY-BULB	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		16.00	0.032000
14011AA	ONIONS-DRY-BULB	21 COOKED-NFS	0F0886	P 0.200000	0.200000		16.00	0.032000
14011AA	ONIONS-DRY-BULB	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		16.00	0.032000
14011AA	ONIONS-DRY-BULB	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		16.00	0.032000
14011DA	ONIONS-DRIED	12 RAW-FRESH-DRIED	0F0886	P 0.200000	0.200000		16.00	0.032000
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AB	POTATO(WH)-UNSP	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOTTLED	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	0F0886	P 0.200000	0.200000		3.00	0.006000
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		3.00	0.006000
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		3.00	0.006000
14013HA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		3.00	0.006000
14014AA	RADISHES-ROOTS	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		34.00	0.068000
14015AA	RUTABAGAS-ROOTS	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14015AA	RUTABAGAS-ROOTS	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not likely (RFDC)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP Rfd= 0.008000 EPA Rfd= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 Rfd/PR reviewed 04/13/94 Rfd/PR reviewed 09/05/96 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAQ RUN (ppm)
14016AA	SALSIFY	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14017AA	SHALLOTS	00 NOT SPECIFIED (NO CONSUMPTION)	0F0886	P 0.200000	0.200000		11.00	0.022000
14018AA	SWEETPOTATOES	21 COOKED-NFS	0F0886	P 0.200000	0.200000		1.00	0.002000
14018AA	SWEETPOTATOES	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		1.00	0.002000
14018AA	SWEETPOTATOES	51 COOKED-CANNED	0F0886	P 0.200000	0.200000		1.00	0.002000
14019AA	TURNIPS-ROOTS	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14019AA	TURNIPS-ROOTS	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14021AA	PARSNIPS	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
15001AA	BEANS-DRY-GRT NO 00	NOT SPECIFIED. (NO CONSUMPTION)	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AB	BEANS-DRY-KIDNEY 21	COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AB	BEANS-DRY-KIDNEY 31	COOKED-FRESH OR CANNED	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AC	BEANS-DRY-LIMA	21 COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AD	BEANS-DRY-NAVY	21 COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AD	BEANS-DRY-NAVY	31 COOKED-FRESH OR CANNED	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AE	BEANS-DRY-OTHER 21	COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AE	BEANS-DRY-OTHER 25	COOKED-FRESH-FRIED	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AE	BEANS-DRY-OTHER 31	COOKED-FRESH OR CANNED	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AF	BEANS-DRY-PINTO	21 COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15002AA	BEANS-SUCC-LIMA	10 RAW-FRESH OR NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15002AA	BEANS-SUCC-LIMA	21 COOKED-NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15003AA	BEANS-SUCC-GREEN	21 COOKED-NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15003AB	BEANS-SUCC-OTH	10 RAW-FRESH OR NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15003AB	BEANS-SUCC-OTH	21 COOKED-NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15003AC	BEANS-SUCC-MAX	21 COOKED-NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15004AA	CORN, POP	21 COOKED-NFS	8F0677	P 0.100000	0.100000		1.00	0.001000
15005AA	CORN, SWEET	10 RAW-FRESH OR NFS	8F0677	P 0.100000	0.100000		28.00	0.028000
15005AA	CORN, SWEET	21 COOKED-NFS	8F0677	P 0.100000	0.100000		28.00	0.028000
15005AA	CORN, SWEET	31 COOKED-FRESH OR CANNED	8F0677	P 0.100000	0.100000		28.00	0.028000
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	1F1158	P 0.100000	0.100000		16.00	0.016000
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	1F1158	P 0.100000	0.100000		16.00	0.016000
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED	1F1158	P 0.100000	0.100000		16.00	0.016000
15007AA	PEAS DRY-GARDEN	21 COOKED-NFS	1F1021	P 5.000000	5.000000		1.00	0.050000
15007AA	PEAS DRY-GARDEN	31 COOKED-FRESH OR CANNED	1F1021	P 5.000000	5.000000		1.00	0.050000
15009AA	PEAS SUCC-GARDEN	21 COOKED-NFS	1F1021	P 5.000000	5.000000		5.00	0.250000
15009AA	PEAS SUCC-GARDEN	31 COOKED-FRESH OR CANNED	1F1021	P 5.000000	5.000000		5.00	0.250000
15011AA	LENTILES-WHOLE	31 COOKED-FRESH OR CANNED	8E2126	P 0.100000	0.100000		5.00	0.005000
15011AB	LENTILES-SPLIT	21 COOKED-NFS	8E2126	P 0.100000	0.100000		5.00	0.005000
15013AA	MUNG BEANS	10 RAW-FRESH OR NFS	4F1437	P 0.100000	0.100000		5.00	0.005000
15013AA	MUNG BEANS	21 COOKED-NFS	4F1437	P 0.100000	0.100000		5.00	0.005000
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	4F1437	P 0.100000	0.100000		1.00	0.001000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methylol Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not likely (RFDC)	Shollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP RfD= 0.008000 EPA RfD= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 RfD/PR reviewed 04/13/94 RfD/PR reviewed 09/05/96 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAG RUN (ppm)
15022AB	BEANS-SUCC-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	1F1021	P 2.000000	2.000000		5.00	0.100000
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15027AA	BEANS-UNSPEC	21 COOKED-NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15029AA	SOYBEAN-SPROUTED	00 NOT SPECIFIED (NO CONSUMPTION)	1F1021	P 0.200000	0.200000		1.00	0.002000
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	4F1437	P 0.100000	0.100000		1.00	0.001000
15030AB	BEANS-SUCC-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	1F1021	P 2.000000	2.000000		5.00	0.100000
15031AA	BLKEYE PEAS-DRY	21 COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15032AA	BEANS-DRY	21 COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED	4F1437	P 0.100000	0.100000		1.00	0.001000
16002AA	ASPARAGUS	21 COOKED-NFS	6F1664	P 2.000000	2.000000		15.00	0.300000
16002AA	ASPARAGUS	23 COOKED-FRESH-BOILED	6F1664	P 2.000000	2.000000		15.00	0.300000
16004AA	ONIONS-GREEN	10 RAW-FRESH OR NFS	9E2164	P 3.000000	3.000000		11.00	0.330000
16004AA	ONIONS-GREEN	21 COOKED-NFS	9E2164	P 3.000000	3.000000		11.00	0.330000
16004AA	ONIONS-GREEN	25 COOKED-FRESH-FRIED	9E2164	P 3.000000	3.000000		11.00	0.330000
24001AA	BARLEY	21 COOKED-NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24002EA	CORN, GRAIN-ENDO	10 RAW-FRESH OR NFS	8F0677	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN, GRAIN-ENDO	21 COOKED-NFS	8F0677	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN, GRAIN-ENDO	22 COOKED-FRESH-BAKED	8F0677	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN, GRAIN-ENDO	23 COOKED-FRESH-BOILED	8F0677	P 0.100000	0.100000		1.00	0.001000
24002HA	CORN, GRAIN-BRAN	00 NOT SPECIFIED (NO CONSUMPTION)	8F0677	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	10 RAW-FRESH OR NFS	8F0677	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	21 COOKED-NFS	8F0677	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	22 COOKED-FRESH-BAKED	8F0677	P 0.100000	0.100000		1.00	0.001000
24003AA	OATS	21 COOKED-NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24003AA	OATS	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		1.00	0.010000
24003AA	OATS	23 COOKED-FRESH-BOILED	5F1615	P 1.000000	1.000000		1.00	0.010000
24005AA	RYE-ROUGH	00 NOT SPECIFIED (NO CONSUMPTION)	5F1615	P 1.000000	1.000000		100.00	1.000000
24005GA	RYE-GERM	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		100.00	1.000000
24005WA	RYE-FLOUR	21 COOKED-NFS	5F1615	P 1.000000	1.000000		100.00	1.000000
24005WA	RYE-FLOUR	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		2.00	0.004000
24006AA	SORGHUM	00 NOT SPECIFIED (NO CONSUMPTION)	3F1307	P 0.200000	0.200000		1.00	0.010000
24007AA	WHEAT-ROUGH	10 RAW-FRESH OR NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007AA	WHEAT-ROUGH	21 COOKED-NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007AA	WHEAT-ROUGH	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		1.00	0.010000
24007AA	WHEAT-ROUGH	23 COOKED-FRESH-BOILED	5F1615	P 1.000000	1.000000		1.00	0.010000
24007GA	WHEAT-GERM	10 RAW-FRESH OR NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007GA	WHEAT-GERM	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		1.00	0.010000
24007HA	WHEAT-BRAN	10 RAW-FRESH OR NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007HA	WHEAT-BRAN	21 COOKED-NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007HA	WHEAT-BRAN	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		1.00	0.010000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not Likely (RFDC)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP Rfd= 0.008000 EPA Rfd= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 Rfd/PR reviewed 04/13/94 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAŞ RUN (ppm)
24007WA	WHEAT-FLOUR	10 RAW-FRESH OR NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007WA	WHEAT-FLOUR	21 COOKED-NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007WA	WHEAT-FLOUR	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		1.00	0.010000
24007WA	WHEAT-FLOUR	25 COOKED-FRESH-FRIED	5F1615	P 1.000000	1.000000		1.00	0.010000
25002SA	BEEF SUGAR	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		6.00	0.012000
25002SA	BEEF SUGAR	21 COOKED-NFS	0F0886	P 0.200000	0.200000		6.00	0.012000
25002SA	BEEF SUGAR	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		6.00	0.012000
25002SA	BEEF SUGAR	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		6.00	0.012000
270020A	CORN, GRAIN-OIL	18 PROCESSED OIL	8F0677	P 0.100000	0.100000		1.00	0.001000
270030A	COTTONSEED-OIL	18 PROCESSED OIL	1F1162	P 0.100000	0.100000		9.00	0.009000
270030A	COTTONSEED-MEAL	18 PROCESSED OIL	1F1162	P 0.100000	0.100000		9.00	0.009000
270070A	PEANUTS-OIL	18 PROCESSED OIL	1F1158	P 0.100000	0.100000		16.00	0.016000
270100A	SOYBEANS-OIL	18 PROCESSED OIL	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AA	SOYBEANS-UNSPEC	21 COOKED-NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	10 RAW-FRESH OR NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	21 COOKED-NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	23 COOKED-FRESH-BOILED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	25 COOKED-FRESH-FRIED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	31 COOKED-FRESH OR CANNED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WA	SOY-FL, FULL FAT	21 COOKED-NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WA	SOY-FL, FULL FAT	22 COOKED-FRESH-BAKED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WA	SOY-FL, FULL FAT	31 COOKED-FRESH OR CANNED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WB	SOY-FL, LOW FAT	21 COOKED-NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL,DEFAT	10 RAW-FRESH OR NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL,DEFAT	21 COOKED-NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL,DEFAT	22 COOKED-FRESH-BAKED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL,DEFAT	51 COOKED-CANNED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL,DEFAT	53 COOKED-CANNED-BOILED	1F1021	P 0.200000	0.200000		1.00	0.002000
43058AA	WINE AND SHERRY	10 RAW-FRESH OR NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
43058AA	WINE AND SHERRY	21 COOKED-NFS	4F1437	P 5.000000	5.000000		15.00	0.750000

TABLE 2

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 04/15/97

PAGE: 1

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not Likely (RFDC)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP RfD= 0.008000 EPA RfD= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 RfD/PR reviewed 04/13/94 RfD/PR reviewed 09/05/96 On IRIS.

TOTAL TMRC (MG/KG BODY WEIGHT/DAY)

POPULATION SUBGROUP	CURRENT TMRC*	NEW TMRC**	NEW TMRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES	ARC	ZRFD
U.S. POPULATION - 48 STATES	0.016701	0.016746	209.326200	0.561200	0.002769	0.002769	34.60978
U.S. POPULATION - SPRING SEASON	0.016247	0.016296	203.699475	0.617725	0.002773	0.002773	34.65744
U.S. POPULATION - SUMMER SEASON	0.016776	0.016824	210.305313	0.601113	0.002840	0.002840	35.50126
U.S. POPULATION - FALL SEASON	0.016787	0.016829	210.364663	0.525075	0.002764	0.002764	34.54816
U.S. POPULATION - WINTER SEASON	0.016943	0.016983	212.283838	0.500713	0.002695	0.002695	33.69154
NORTHEAST REGION	0.018653	0.018716	233.951925	0.787663	0.002924	0.002924	36.55533
NORTH CENTRAL REGION	0.016211	0.016252	203.152588	0.515088	0.002626	0.002626	32.82288
SOUTHERN REGION	0.014746	0.014775	184.681913	0.360438	0.002516	0.002516	31.44721
WESTERN REGION	0.018104	0.018158	226.973063	0.671613	0.003203	0.003203	40.03928
HISPANICS	0.017627	0.017664	220.797325	0.461713	0.002895	0.002895	36.18928
NON-HISPANIC WHITES	0.016555	0.016605	207.557075	0.617163	0.002730	0.002730	34.11919
NON-HISPANIC BLACKS	0.016709	0.016730	209.124413	0.258163	0.002941	0.002941	36.76650
NON-HISPANIC OTHERS	0.020125	0.020162	252.029775	0.461950	0.002896	0.002896	36.19460
NURSING INFANTS (< 1 YEAR OLD)	0.027418	0.027418	342.721288	0.000000	0.002979	0.002979	37.23501
NON-NURSING INFANTS (< 1 YEAR OLD)	0.046989	0.046989	587.357525	0.000000	0.005325	0.005325	66.56153
FEMALES (13+ YEARS, PREGNANT)	0.012950	0.012956	161.946188	0.067025	0.002272	0.002272	28.39775
FEMALES 13+ YEARS, NURSING	0.015810	0.015834	197.930300	0.304050	0.002735	0.002735	34.19018
CHILDREN (1-6 YEARS OLD)	0.037236	0.037236	465.451263	0.003213	0.004985	0.004985	62.31483
CHILDREN (7-12 YEARS OLD)	0.023318	0.023318	291.472575	0.000000	0.003570	0.003570	44.62118
MALES (13-19 YEARS OLD)	0.013811	0.013833	172.912438	0.277575	0.002292	0.002292	28.65361
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.012882	0.012889	161.112975	0.090850	0.002268	0.002268	28.35050
MALES (20 YEARS AND OLDER)	0.011951	0.012078	150.970613	1.588150	0.002245	0.002245	28.05666
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.013287	0.013311	166.392650	0.301525	0.002463	0.002463	30.78223

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

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TABLE 3

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not Likely (RFD)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP RFD= 0.008000 EPA RFD= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 RfD/PR reviewed 04/13/94 RfD/PR reviewed 09/05/96 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAG RUN (ppm)
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS	8F2064	P 6.000000	6.000000		18.00	1.080000
01009AA	BLUEBERRIES	21 COOKED-NFS	8F2064	P 6.000000	6.000000		18.00	1.080000
01009AA	BLUEBERRIES	22 COOKED-FRESH-BAKED	8F2064	P 6.000000	6.000000		18.00	1.080000
01009AA	BLUEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	8F2064	P 6.000000	6.000000		18.00	1.080000
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
01014AA	GRAPES-FRESH	21 COOKED-NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
01014AA	GRAPES-FRESH	31 COOKED-FRESH OR CANNED	4F1437	P 5.000000	5.000000		15.00	0.750000
01014DA	GRAPES-RAISINS	10 RAW-FRESH OR NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
01014DA	GRAPES-RAISINS	21 COOKED-NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
01014DA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED	4F1437	P 5.000000	5.000000		15.00	0.750000
01014JA	GRAPES-JUICE	10 RAW-FRESH OR NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
01014JA	GRAPES-JUICE	15 RAW-FRESH OR CANNED	4F1437	P 5.000000	5.000000		15.00	0.750000
01016AA	GRAPES-JUICE	21 COOKED-NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
01016AA	STRAWBERRIES	10 RAW-FRESH OR NFS	7F1948	P 2.000000	2.000000		20.00	0.400000
01016AA	STRAWBERRIES	21 COOKED-NFS	7F1948	P 2.000000	2.000000		20.00	0.400000
01016AA	STRAWBERRIES	70 RAW-FROZEN	7F1948	P 2.000000	2.000000		20.00	0.400000
02002AA	GRAPEFRUIT-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	2F1254	P 2.000000	2.000000		3.00	0.060000
02002AB	GRAPEFRUIT-PULP	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		3.00	0.060000
02002AB	GRAPEFRUIT-PULP	21 COOKED-NFS	2F1254	P 2.000000	2.000000		3.00	0.060000
02002AB	GRAPEFRUIT-JUICE	15 RAW-FRESH OR CANNED	2F1254	P 2.000000	2.000000		3.00	0.060000
02002JA	GRAPEFRUIT-JUICE	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		3.00	0.060000
02004AA	LEMONS-UNSPEC	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		1.00	0.020000
02004AA	LEMONS-UNSPEC	22 COOKED-FRESH-BAKED	2F1254	P 2.000000	2.000000		1.00	0.020000
02004AB	LEMONS-PULP	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		1.00	0.020000
02004AB	LEMONS-PULP	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		1.00	0.020000
02004HA	LEMONS-PEEL	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		1.00	0.020000
02004HA	LEMONS-PEEL	21 COOKED-NFS	2F1254	P 2.000000	2.000000		1.00	0.020000
02004JA	LEMONS-JUICE	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		1.00	0.020000
02004JA	LEMONS-JUICE	15 RAW-FRESH OR CANNED	2F1254	P 2.000000	2.000000		1.00	0.020000
02004JA	LEMONS-JUICE	21 COOKED-NFS	2F1254	P 2.000000	2.000000		1.00	0.020000
02006AA	LEMONS-JUICE	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		1.00	0.020000
02006AA	ORANGES-UNSPEC	00 NOT SPECIFIED (NO CONSUMPTION)	2F1254	P 2.000000	2.000000		7.00	0.140000
02006AB	ORANGES-PULP	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		7.00	0.140000
02006AB	ORANGES-PULP	21 COOKED-NFS	2F1254	P 2.000000	2.000000		7.00	0.140000
02006HA	ORANGES-PEEL	21 COOKED-NFS	2F1254	P 2.000000	2.000000		7.00	0.140000
02006HA	ORANGES-PEEL	22 COOKED-FRESH-BAKED	2F1254	P 2.000000	2.000000		7.00	0.140000
02006HA	ORANGES-PEEL	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		7.00	0.140000
02006JA	ORANGES-JUICE	15 RAW-FRESH OR CANNED	2F1254	P 2.000000	2.000000		7.00	0.140000
02006JA	ORANGES-JUICE	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		7.00	0.140000
02007AA	TANGELOS	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		3.00	0.060000

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ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 549C

DATE: 04/15/97

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not likely (RFDC)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP RfD= 0.008000 EPA RfD= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 RfD/PR reviewed 04/13/94 RfD/PR reviewed 09/05/96 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAŞ RUN (ppm)
02008AA	TANGERINES	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		3.00	0.060000
02008JA	TANGERINE- JUICE	15 RAW-FRESH OR CANNED	2F1254	P 2.000000	2.000000		3.00	0.060000
03008AA	PECANS	10 RAW-FRESH OR NFS	6F1868	P 0.100000	0.100000		3.00	0.003000
03008AA	PECANS	21 COOKED-NFS	6F1868	P 0.100000	0.100000		3.00	0.003000
03008AA	PECANS	22 COOKED-FRESH-BAKED	6F1868	P 0.100000	0.100000		3.00	0.003000
03008AA	PECANS	23 COOKED-FRESH-BOILED	6F1868	P 0.100000	0.100000		3.00	0.003000
03008AA	PECANS	62 COOKED-FRESH OR FROZEN-BAKED	6F1868	P 0.100000	0.100000		3.00	0.003000
04001AA	APPLES-FRESH	10 RAW-FRESH OR NFS	3F1308	P 1.000000	1.000000		21.00	0.210000
04001AA	APPLES-FRESH	21 COOKED-NFS	3F1308	P 1.000000	1.000000		21.00	0.210000
04001AA	APPLES-FRESH	31 COOKED-FRESH OR CANNED	3F1308	P 1.000000	1.000000		21.00	0.210000
04001AA	APPLES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	3F1308	P 1.000000	1.000000		21.00	0.210000
04001DA	APPLES-DRIED	10 RAW-FRESH OR NFS	3F1308	P 1.000000	1.000000		21.00	0.210000
04001DA	APPLES-DRIED	22 COOKED-FRESH-BAKED	3F1308	P 1.000000	1.000000		21.00	0.210000
04001DA	APPLES-DRIED	62 COOKED-FRESH OR FROZEN-BAKED	3F1308	P 1.000000	1.000000		21.00	0.210000
04001JA	APPLES- JUICE	15 RAW-FRESH OR CANNED	3F1308	P 1.000000	1.000000		21.00	0.210000
04001JA	APPLES- JUICE	31 COOKED-FRESH OR CANNED	3F1308	P 1.000000	1.000000		21.00	0.210000
04003AA	PEARS-FRESH	10 RAW-FRESH OR NFS	1E2465	P 4.000000	4.000000		2.00	0.080000
04003AA	PEARS-FRESH	31 COOKED-FRESH OR CANNED	1E2465	P 4.000000	4.000000		2.00	0.080000
04003AA	PEARS-FRESH	51 COOKED-CANNED	1E2465	P 4.000000	4.000000		2.00	0.080000
04003AA	PEARS-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	1E2465	P 4.000000	4.000000		2.00	0.080000
04003DA	PEARS-DRIED	10 RAW-FRESH OR NFS	1E2465	P 4.000000	4.000000		2.00	0.080000
04003DA	PEARS-DRIED	21 COOKED-NFS	1E2465	P 4.000000	4.000000		2.00	0.080000
05003AA	NECTARINES	10 RAW-FRESH OR NFS	2F1246	P 5.000000	5.000000		45.00	2.250000
05004AA	PEACHES-FRESH	10 RAW-FRESH OR NFS	2F1246	P 5.000000	5.000000		14.00	0.700000
05004AA	PEACHES-FRESH	21 COOKED-NFS	2F1246	P 5.000000	5.000000		14.00	0.700000
05004AA	PEACHES-FRESH	31 COOKED-FRESH OR CANNED	2F1246	P 5.000000	5.000000		14.00	0.700000
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS	2F1246	P 5.000000	5.000000		14.00	0.700000
05004DA	PEACHES-DRIED	21 COOKED-NFS	2F1246	P 5.000000	5.000000		14.00	0.700000
06001AA	AVOCADOS	10 RAW-FRESH OR NFS	8E2094	P 2.000000	2.000000		100.00	2.000000
06015AA	POMEGRANATES	10 RAW-FRESH OR NFS	6E1661	P 0.200000	0.200000		66.00	0.132000
06015AA	POMEGRANATES	21 COOKED-NFS	6E1661	P 0.200000	0.200000		66.00	0.132000
07005AA	CHICORY	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
08020AA	HOPS	21 COOKED-NFS	9H5584	P 12.000000	12.000000		100.00	12.000000
10002AA	CANTALOUPE-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	2F1245	P 0.200000	0.200000		8.00	0.016000
10002AB	CANTALOUPE-PULP	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		8.00	0.016000
10002AB	CANTALOUPE-PULP	21 COOKED-NFS	2F1245	P 0.200000	0.200000		8.00	0.016000
10003AA	CASABAS	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		10.00	0.020000
10004AA	CRENSHAW	00 NOT SPECIFIED (NO CONSUMPTION)	2F1245	P 0.200000	0.200000		10.00	0.020000
10005AA	HONEYDEW MELLOWS	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		10.00	0.020000

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm OMCO: E/Not likely (RFDC)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP Rfd= 0.008000 EPA Rfd= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 Rfd/PR reviewed 04/13/94 Rfd/PR reviewed 09/05/96 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	*AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAG RUN (ppm)
1007AA	PERSTON MELONS	00 NOT SPECIFIED (NO CONSUMPTION)	2F1245	P 0.200000	0.200000		10.00	0.020000
1008AA	WATERMELON	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		16.00	0.032000
1008AA	WATERMELON	21 COOKED-NFS	2F1245	P 0.200000	0.200000		16.00	0.032000
10010AA	CUCUMBERS	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		17.00	0.034000
10010AA	CUCUMBERS	11 RAW-FRESH-PICKLED, CORNED, OR CURED	2F1245	P 0.200000	0.200000		17.00	0.034000
10010AA	CUCUMBERS	21 COOKED-NFS	2F1245	P 0.200000	0.200000		17.00	0.034000
10011AA	PUMPKIN	21 COOKED-NFS	2F1245	P 0.200000	0.200000		6.00	0.012000
10011AA	PUMPKIN	22 COOKED-FRESH-BAKED	2F1245	P 0.200000	0.200000		6.00	0.012000
10011AA	PUMPKIN	62 COOKED-FRESH OR FROZEN-BAKED	2F1245	P 0.200000	0.200000		6.00	0.012000
10013AA	SQUASH-SUMMER	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		22.00	0.044000
10013AA	SQUASH-SUMMER	21 COOKED-NFS	2F1245	P 0.200000	0.200000		22.00	0.044000
10014AA	SQUASH-WINTER	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		2.00	0.004000
10014AA	SQUASH-WINTER	21 COOKED-NFS	2F1245	P 0.200000	0.200000		22.00	0.044000
10014AA	SQUASH-WINTER	31 COOKED-FRESH OR CANNED	2F1245	P 0.200000	0.200000		22.00	0.044000
10017AA	BITTER MELON	21 COOKED-NFS	2F1245	P 0.200000	0.200000		10.00	0.020000
10020AA	TOMEGOURD	00 NOT SPECIFIED (NO CONSUMPTION)	2F1245	P 0.200000	0.200000		10.00	0.020000
11001AA	EGGPLANT	10 RAW-FRESH OR NFS	9F0814	P 0.200000	0.200000		44.00	0.088000
11001AA	EGGPLANT	21 COOKED-NFS	9F0814	P 0.200000	0.200000		44.00	0.088000
11001AA	EGGPLANT	25 COOKED-FRESH-FRIED	9F0814	P 0.200000	0.200000		44.00	0.088000
11003AA	PEPPERS, SWEET	10 RAW-FRESH OR NFS	5F1616	P 2.000000	2.000000		52.00	1.040000
11003AA	PEPPERS, SWEET	21 COOKED-NFS	5F1616	P 2.000000	2.000000		52.00	1.040000
11003AB	CHILI PEPPERS	00 NOT SPECIFIED (NO CONSUMPTION)	5F1616	P 2.000000	2.000000		1.00	0.020000
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS	5F1616	P 2.000000	2.000000		52.00	1.040000
11003AD	PEPPERS-OTHER	21 COOKED-NFS	5F1616	P 2.000000	2.000000		52.00	1.040000
11003AD	PEPPERS-OTHER	51 COOKED-CANNED	5F1616	P 2.000000	2.000000		52.00	1.040000
11004AA	PIMIENTOS	10 RAW-FRESH OR NFS	5F1616	P 2.000000	2.000000		52.00	1.040000
11004AA	PIMIENTOS	21 COOKED-NFS	5F1616	P 2.000000	2.000000		52.00	1.040000
11004AA	PIMIENTOS	31 COOKED-FRESH OR CANNED	5F1616	P 2.000000	2.000000		52.00	1.040000
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005AA	TOMATOES-WHOLE	21 COOKED-NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	5F1616	P 1.000000	1.000000		36.00	0.360000
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005JA	TOMATOES-JUICE	21 COOKED-NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005RA	TOMATOES-PUREE	21 COOKED-NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED	5F1616	P 1.000000	1.000000		36.00	0.360000
11005RA	TOMATOES-PUREE	32 COOKED-FRESH OR CANNED-BAKED	5F1616	P 1.000000	1.000000		36.00	0.360000
11005RA	TOMATOES-PUREE	51 COOKED-CANNED	5F1616	P 1.000000	1.000000		36.00	0.360000
11005TA	TOMATOES-PASTE	21 COOKED-NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED	5F1616	P 1.000000	1.000000		36.00	0.360000

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ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 549C

DATE: 04/15/97

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not Likely (RFDC)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP Rfd= 0.008000 EPA Rfd= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 Rfd/PR reviewed 04/13/94 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TA\$ RUN (ppm)
110057A	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED	5F1616	P 1.000000	1.000000		36.00	0.360000
11005UA	TOMATOES-CATSUP	21 COOKED-NFS	5F1616	P 1.000000	1.000000		36.00	0.360000
13001AA	BEEETS-TOPS	31 COOKED-FRESH OR CANNED	8E2030	P 6.000000	6.000000		6.00	0.360000
13001AA	BEEETS-TOPS	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		6.00	0.360000
13002AA	CELERY	10 RAW-FRESH OR NFS	4F1448	P 3.000000	3.000000		64.00	1.920000
13002AA	CELERY	21 COOKED-NFS	4F1448	P 3.000000	3.000000		64.00	1.920000
13005AA	BROCCOLI	21 COOKED-NFS	4E3143	P 6.000000	3.000000		12.00	0.360000
13005AA	BROCCOLI	31 COOKED-FRESH OR CANNED	4E3143	P 6.000000	3.000000		12.00	0.360000
13005AA	BROCCOLI	63 COOKED-FRESH OR FROZEN-BOILED	4E3143	P 6.000000	3.000000		12.00	0.360000
13006AA	BRUSSEL SPROUTS	21 COOKED-NFS	4E3143	P 6.000000	4.000000		1.00	0.040000
13006AA	BRUSSEL SPROUTS	23 COOKED-FRESH-BOILED	4E3143	P 6.000000	4.000000		1.00	0.040000
13007AA	CABBAGE	10 RAW-FRESH OR NFS	4E3143	P 6.000000	1.000000		36.00	0.360000
13007AA	CABBAGE	11 RAW-FRESH-PICKLED,CORNEED,OR CURED	4E3143	P 6.000000	1.000000		36.00	0.360000
13007AA	CABBAGE	21 COOKED-NFS	4E3143	P 6.000000	1.000000		36.00	0.360000
13008AA	CAULIFLOWER	10 RAW-FRESH OR NFS	4E3143	P 6.000000	4.000000		30.00	1.200000
13008AA	CAULIFLOWER	21 COOKED-NFS	4E3143	P 6.000000	4.000000		30.00	1.200000
13009AA	COLLARDS	51 COOKED-CANNED	8E2030	P 6.000000	6.000000		19.00	1.140000
13010AA	CABBAGE-CHINESE	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		19.00	1.140000
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	4E3143	P 6.000000	1.000000		36.00	0.360000
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	4E3143	P 6.000000	1.000000		36.00	0.360000
13011AA	KALE	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		35.00	2.100000
13012AA	KOHLRABI	21 COOKED-NFS	4E3143	P 6.000000	5.800000		35.00	2.030000
13013AA	LETTUCE-LEAFY	10 RAW-FRESH OR NFS	1F1021	P 5.000000	5.000000		54.00	2.700000
13014AA	DANDELION	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		100.00	6.000000
13015AA	ENDIVE	10 RAW-FRESH OR NFS	1F1021	P 5.000000	5.000000		100.00	5.000000
13015AA	ENDIVE	21 COOKED-NFS	1F1021	P 5.000000	5.000000		100.00	5.000000
13016AA	FENNEL	00 NOT SPECIFIED (NO CONSUMPTION)	4F1448	P 3.000000	3.000000		100.00	3.000000
13020AA	LETTUCE-UNSPEC	10 RAW-FRESH OR NFS	1F1021	P 5.000000	5.000000		54.00	2.700000
13021AA	MUSTARD GREENS	21 COOKED-NFS	8E2030	P 6.000000	6.000000		100.00	6.000000
13021AA	MUSTARD GREENS	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		100.00	6.000000
13022AA	PARSLEY	10 RAW-FRESH OR NFS	8E2030	P 6.000000	6.000000		19.00	1.140000
13022AA	PARSLEY	21 COOKED-NFS	8E2030	P 6.000000	6.000000		19.00	1.140000
13022AA	PARSLEY	53 COOKED-CANNED-BOILED	8E2030	P 6.000000	6.000000		19.00	1.140000
13023AA	RHUBARB	10 RAW-FRESH OR NFS	8F0681	P 0.200000	0.200000		100.00	0.200000
13023AA	RHUBARB	21 COOKED-NFS	8F0681	P 0.200000	0.200000		100.00	0.200000
13023AA	RHUBARB	31 COOKED-FRESH OR CANNED	8F0681	P 0.200000	0.200000		100.00	0.200000
13023AA	RHUBARB	62 COOKED-FRESH OR FROZEN-BAKED	8F0681	P 0.200000	0.200000		100.00	0.200000
13024AA	SPINACH	10 RAW-FRESH OR NFS	4F1448	P 6.000000	6.000000		25.00	1.500000
13024AA	SPINACH	21 COOKED-NFS	4F1448	P 6.000000	6.000000		25.00	1.500000
13024AA	SPINACH	31 COOKED-FRESH OR CANNED	4F1448	P 6.000000	6.000000		25.00	1.500000

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ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 549C

DATE: 04/15/97

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not Likely (RFDC)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP Rfd= 0.008000 EPA Rfd= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 Rfd/PR reviewed 04/13/94 Rfd/PR reviewed 09/05/96 ON IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAŞ RUN (ppm)
13025AA	SWISS CHARD	10 RAW-FRESH OR NFS	8E2030	P 6.000000	6.000000		100.00	6.000000
13025AA	SWISS CHARD	31 COOKED-FRESH OR CANNED	8E2030	P 6.000000	6.000000		100.00	6.000000
13025AA	SWISS CHARD	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		100.00	6.000000
13026AA	TURNIPS-TOPS	10 RAW-FRESH OR NFS	8E2030	P 6.000000	6.000000		100.00	6.000000
13026AA	TURNIPS-TOPS	21 COOKED-NFS	8E2030	P 6.000000	6.000000		100.00	6.000000
13026AA	TURNIPS-TOPS	31 COOKED-FRESH OR CANNED	8E2030	P 6.000000	6.000000		100.00	6.000000
13045AA	LETTUCE-HEAD	10 RAW-FRESH OR NFS	1F1021	P 5.000000	5.000000		54.00	2.700000
13045AA	LETTUCE-HEAD	21 COOKED-NFS	1F1021	P 5.000000	5.000000		54.00	2.700000
14001AA	BEETS-ROOTS	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		6.00	0.012000
14001AA	BEETS-ROOTS	21 COOKED-NFS	0F0886	P 0.200000	0.200000		6.00	0.012000
14001AA	BEETS-ROOTS	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	0F0886	P 0.200000	0.200000		6.00	0.012000
14001AA	BEETS-ROOTS	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		6.00	0.012000
14003AA	CARROTS	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		7.00	0.014000
14003AA	CARROTS	21 COOKED-NFS	0F0886	P 0.200000	0.200000		7.00	0.014000
14003AA	CARROTS	23 COOKED-FRESH-BOILED	0F0886	P 0.200000	0.200000		7.00	0.014000
14003AA	CARROTS	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		7.00	0.014000
14003AA	CARROTS	51 COOKED-CANNED	0F0886	P 0.200000	0.200000		7.00	0.014000
14007AA	GARLIC	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		13.00	0.026000
14007AA	GARLIC	21 COOKED-NFS	0F0886	P 0.200000	0.200000		13.00	0.026000
14007AA	GARLIC	32 COOKED-FRESH OR CANNED-BAKED	0F0886	P 0.200000	0.200000		13.00	0.026000
14010AA	LEEKS	31 COOKED-FRESH OR CANNED	4E3144	P 3.000000	2.800000		11.00	0.308000
14011AA	ONIONS-DRY-BULB	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		16.00	0.032000
14011AA	ONIONS-DRY-BULB	21 COOKED-NFS	0F0886	P 0.200000	0.200000		16.00	0.032000
14011AA	ONIONS-DRY-BULB	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		16.00	0.032000
14011AA	ONIONS-DRY-BULB	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		16.00	0.032000
14011DA	ONIONS-DRIED	12 RAW-FRESH-DRIED	0F0886	P 0.200000	0.200000		16.00	0.032000
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AB	POTATO(WH)-UNSP	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOILED	0F0886	P 0.200000	0.200000		3.00	0.006000
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	0F0886	P 0.200000	0.200000		3.00	0.006000
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		3.00	0.006000
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		3.00	0.006000
14013HA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		34.00	0.068000
14014AA	RADISHES-ROOTS	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14015AA	RUTABAGAS-ROOTS	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14015AA	RUTABAGAS-ROOTS	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not Likely (RFDC)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP Rfd= 0.008000 EPA Rfd= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HEP reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 Rfd/PR reviewed 04/13/94 Rfd/PR reviewed 09/05/96 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAŞ RUN (ppm)
14016AA	SALSIKY	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14017AA	SHALLOTS	00 NOT SPECIFIED (NO CONSUMPTION)	0F0886	P 0.200000	0.200000		11.00	0.022000
14018AA	SWEETPOTATOES	21 COOKED-NFS	0F0886	P 0.200000	0.200000		1.00	0.002000
14018AA	SWEETPOTATOES	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		1.00	0.002000
14018AA	SWEETPOTATOES	51 COOKED-CANNED	0F0886	P 0.200000	0.200000		1.00	0.002000
14019AA	TURNIPS-ROOTS	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14019AA	TURNIPS-ROOTS	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14021AA	PARSNIPS	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
15001AA	BEANS-DRY-GRY NO 00	NOT SPECIFIED. (NO CONSUMPTION)	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AB	BEANS-DRY-KIDNEY 21	COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AB	BEANS-DRY-KIDNEY 31	COOKED-FRESH OR CANNED	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AC	BEANS-DRY-LIMA 21	COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AD	BEANS-DRY-NAVY 21	COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AD	BEANS-DRY-NAVY 31	COOKED-FRESH OR CANNED	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AE	BEANS-DRY-OTHER 21	COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AE	BEANS-DRY-OTHER 25	COOKED-FRESH-FRIED	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AE	BEANS-DRY-OTHER 31	COOKED-FRESH OR CANNED	4F1437	P 0.100000	0.100000		1.00	0.001000
15001AF	BEANS-DRY-PINTO 21	COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15002AA	BEANS-SUCC-LIMA 10	RAW-FRESH OR NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15002AA	BEANS-SUCC-LIMA 21	COOKED-NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15003AA	BEANS-SUCC-GREEN 21	COOKED-NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15003AB	BEANS-SUCC-OTH 10	RAW-FRESH OR NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15003AB	BEANS-SUCC-OTH 21	COOKED-NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15003AC	BEANS-SUCC-MAX 21	COOKED-NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15004AA	CORN,POP	21 COOKED-NFS	8F0677	P 0.100000	0.100000		1.00	0.001000
15005AA	CORN,SWEET	10 RAW-FRESH OR NFS	8F0677	P 0.100000	0.100000		28.00	0.028000
15005AA	CORN,SWEET	21 COOKED-NFS	8F0677	P 0.100000	0.100000		28.00	0.028000
15005AA	CORN,SWEET	31 COOKED-FRESH OR CANNED	8F0677	P 0.100000	0.100000		28.00	0.028000
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	1F1158	P 0.100000	0.100000		16.00	0.016000
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	1F1158	P 0.100000	0.100000		16.00	0.016000
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED	1F1158	P 0.100000	0.100000		16.00	0.016000
15007AA	PEAS DRY-GARDEN	21 COOKED-NFS	1F1021	P 5.000000	5.000000		1.00	0.050000
15007AA	PEAS DRY-GARDEN 31	COOKED-FRESH OR CANNED	1F1021	P 5.000000	5.000000		1.00	0.050000
15009AA	PEAS SUCC-GARDEN 21	COOKED-NFS	1F1021	P 5.000000	5.000000		5.00	0.250000
15009AA	PEAS SUCC-GARDEN 31	COOKED-FRESH OR CANNED	1F1021	P 5.000000	5.000000		5.00	0.250000
15011AA	LENTILES-WHOLE	31 COOKED-FRESH OR CANNED	8E2126	P 0.200000	0.200000		5.00	0.010000
15011AB	LENTILES-SPLIT 21	COOKED-NFS	8E2126	P 0.200000	0.200000		5.00	0.010000
15013AA	MUNG BEANS	10 RAW-FRESH OR NFS	4F1437	P 0.100000	0.100000		5.00	0.005000
15013AA	MUNG BEANS	21 COOKED-NFS	4F1437	P 0.100000	0.100000		5.00	0.005000
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	4F1437	P 0.100000	0.100000		1.00	0.001000

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16732-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not likely (RFD)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP RfD= 0.008000 EPA RfD= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 RfD/PR reviewed 04/13/94 RfD/PR reviewed 09/05/96 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAŞ RUN (ppm)
15022AB	BEANS-SUCC-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	1F1021	P 2.000000	2.000000		5.00	0.100000
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15027AA	BEANS-UNSPEC	21 COOKED-NFS	1F1021	P 2.000000	2.000000		5.00	0.100000
15029AA	SOYBEAN-SPROUTED	00 NOT SPECIFIED (NO CONSUMPTION)	1F1021	P 0.200000	0.200000		1.00	0.002000
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	4F1437	P 0.100000	0.100000		1.00	0.001000
15030AB	BEANS-SUCC-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	1F1021	P 2.000000	2.000000		5.00	0.100000
15031AA	BLKEYE PEAS-DRY	21 COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15032AA	BEANS-DRY	21 COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED	4F1437	P 0.100000	0.100000		1.00	0.001000
16002AA	ASPARAGUS	21 COOKED-NFS	6F1664	P 2.000000	2.000000		15.00	0.300000
16002AA	ASPARAGUS	23 COOKED-FRESH-BOILED	6F1664	P 2.000000	2.000000		15.00	0.300000
16004AA	ONIONS-GREEN	10 RAW-FRESH OR NFS	9E2164	P 3.000000	3.000000		11.00	0.330000
16004AA	ONIONS-GREEN	21 COOKED-NFS	9E2164	P 3.000000	3.000000		11.00	0.330000
16004AA	ONIONS-GREEN	25 COOKED-FRESH-FRIED	9E2164	P 3.000000	3.000000		11.00	0.330000
24001AA	BARLEY	21 COOKED-NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24002EA	CORN, GRAIN-ENDO	10 RAW-FRESH OR NFS	8F0677	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN, GRAIN-ENDO	21 COOKED-NFS	8F0677	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN, GRAIN-ENDO	22 COOKED-FRESH-BAKED	8F0677	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN, GRAIN-ENDO	23 COOKED-FRESH-BOILED	8F0677	P 0.100000	0.100000		1.00	0.001000
24002HA	CORN, GRAIN-BRAN	00 NOT SPECIFIED (NO CONSUMPTION)	8F0677	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	10 RAW-FRESH OR NFS	8F0677	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	21 COOKED-NFS	8F0677	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	22 COOKED-FRESH-BAKED	8F0677	P 0.100000	0.100000		1.00	0.001000
24003AA	OATS	21 COOKED-NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24003AA	OATS	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		1.00	0.010000
24003AA	OATS	23 COOKED-FRESH-BOILED	5F1615	P 1.000000	1.000000		1.00	0.010000
24005AA	RYE-ROUGH	00 NOT SPECIFIED (NO CONSUMPTION)	5F1615	P 10.000000	10.000000		100.00	10.000000
24005GA	RYE-GERM	22 COOKED-FRESH-BAKED	5F1615	P 10.000000	10.000000		100.00	10.000000
24005WA	RYE-FLOUR	21 COOKED-NFS	5F1615	P 10.000000	10.000000		100.00	10.000000
24005WA	RYE-FLOUR	22 COOKED-FRESH-BAKED	5F1615	P 10.000000	10.000000		100.00	10.000000
24006AA	SORGHUM	00 NOT SPECIFIED (NO CONSUMPTION)	3F1307	P 0.200000	0.200000		2.00	0.004000
24007AA	WHEAT-ROUGH	10 RAW-FRESH OR NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007AA	WHEAT-ROUGH	21 COOKED-NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007AA	WHEAT-ROUGH	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		1.00	0.010000
24007AA	WHEAT-ROUGH	23 COOKED-FRESH-BOILED	5F1615	P 1.000000	1.000000		1.00	0.010000
24007GA	WHEAT-GERM	10 RAW-FRESH OR NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007GA	WHEAT-GERM	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		1.00	0.010000
24007HA	WHEAT-BRAN	10 RAW-FRESH OR NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007HA	WHEAT-BRAN	21 COOKED-NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007HA	WHEAT-BRAN	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		1.00	0.010000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100	2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm OMCO: E/Not likely (RFDC)	Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.	ADI UF -->300 OPP Rfd= 0.008000 EPA Rfd= 0.025000	No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.	HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 Rfd/PR reviewed 04/13/94 Rfd/PR reviewed 09/05/96 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAŞ RUN (ppm)
24007WA	WHEAT-FLOUR	10 RAW-FRESH OR NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007WA	WHEAT-FLOUR	21 COOKED-NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007WA	WHEAT-FLOUR	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		1.00	0.010000
24007WA	WHEAT-FLOUR	25 COOKED-FRESH-FRIED	5F1615	P 1.000000	1.000000		1.00	0.010000
25002SA	BEEET SUGAR	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		6.00	0.012000
25002SA	BEEET SUGAR	21 COOKED-NFS	0F0886	P 0.200000	0.200000		6.00	0.012000
25002SA	BEEET SUGAR	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		6.00	0.012000
25002SA	BEEET SUGAR	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		6.00	0.012000
270020A	CORN, GRAIN-OIL	18 PROCESSED OIL	8F0677	P 0.100000	0.100000		1.00	0.001000
270030A	COTTONSEED-OIL	18 PROCESSED OIL	1F1162	P 0.100000	0.100000		9.00	0.009000
270030A	COTTONSEED-MEAL	18 PROCESSED OIL	1F1162	P 0.100000	0.100000		9.00	0.009000
270070A	PEANUTS-OIL	18 PROCESSED OIL	1F1158	P 0.100000	0.100000		16.00	0.016000
270100A	SOYBEANS-OIL	18 PROCESSED OIL	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AA	SOYBEANS-UNSPEC	21 COOKED-NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	10 RAW-FRESH OR NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	21 COOKED-NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	23 COOKED-FRESH-BOILED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	25 COOKED-FRESH-FRIED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	31 COOKED-FRESH OR CANNED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WA	SOY-FL, FULL FAT	21 COOKED-NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WA	SOY-FL, FULL FAT	22 COOKED-FRESH-BAKED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WA	SOY-FL, FULL FAT	31 COOKED-FRESH OR CANNED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WB	SOY-FL, LOW FAT	21 COOKED-NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL, DEFAT	10 RAW-FRESH OR NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL, DEFAT	21 COOKED-NFS	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL, DEFAT	22 COOKED-FRESH-BAKED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL, DEFAT	51 COOKED-CANNED	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL, DEFAT	53 COOKED-CANNED-BOILED	1F1021	P 0.200000	0.200000		1.00	0.002000
43058AA	WINE AND SHERRY	10 RAW-FRESH OR NFS	4F1437	P 5.000000	5.000000		15.00	0.750000
43058AA	WINE AND SHERRY	21 COOKED-NFS	4F1437	P 5.000000	5.000000		15.00	0.750000

TABLE 4

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253 185.4100		2yr feeding- dog NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: E/Not Likely (RFDC)		Swollen/irregular epithelial cells of the proximal convoluted tubules No evidence of carcinogenicity in rats or mice.		ADI UF -->300 OPP Rfd= 0.008000 EPA Rfd= 0.025000		No data gaps. Additional UF of 3 used to account for lack of acute & subchronic neurotoxicity studies.		HED reviewed 03/21/86 EPA verified 04/22/86 WHO reviewed 1989 Rfd/PR reviewed 04/13/94 Rfd/PR reviewed 09/05/96 On IRIS.	
TOTAL TMRC (MG/KG BODY WEIGHT/DAY)											
POPULATION SUBGROUP		CURRENT TMRC*	NEW TMRC**	NEW TMRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES					
U.S. POPULATION - 48 STATES											
U.S. POPULATION - SPRING SEASON											
U.S. POPULATION - SUMMER SEASON											
U.S. POPULATION - FALL SEASON											
U.S. POPULATION - WINTER SEASON											
NORTHEAST REGION											
NORTH CENTRAL REGION											
SOUTHERN REGION											
WESTERN REGION											
HISPANICS											
NON-HISPANIC WHITES											
NON-HISPANIC BLACKS											
NON-HISPANIC OTHERS											
NURSING INFANTS (< 1 YEAR OLD)											
NON-NURSING INFANTS (< 1 YEAR OLD)											
FEMALES (13+ YEARS, PREGNANT)											
FEMALES 13+ YEARS, NURSING CHILDREN (1-6 YEARS OLD)											
CHILDREN (7-12 YEARS OLD)											
MALES (13-19 YEARS OLD)											
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)											
MALES (20 YEARS AND OLDER)											
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)											

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

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TABLE 5

*NAME: METHOMYL
 CASWELL NO: 549C CFR NO: CFR180.253 A 00000.0250 000100.000 000100 Chronic Dog 0000000924
 CAS NO: 16752-77-5 SHAUGHNESSY NO: 090301 B 000100.000 000100.000 Chron-onco Rat 0000001040
 STATUS CODES: C 000050.000 Chron-onco Mouse 0000001040
 *RDV INFO: The LD value used in this analysis is 0.1 MG/KG of BODY WEIGHT/DAY
 *FILE INFO: No Tolerance Data Are Used--Without User Modifications.
 ***** AR DATA: No User Modifications*
 -U.S. POP.--48 STATES *****

ESTIMATED % OF POTENTIAL

ESTIMATED % OF POTENTIAL		MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY															
PERSON DAYS THAT ARE USER-DAYS		MG/KG BODY WEIGHT/DAY					AS PERCENT OF RDV										
0	0	0.00	0.000000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	28	99.76	0.017068	17.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20	20

TOLERANCES:
 ANTICIPATED RESIDUES:

INFANTS(<1 YEAR)

ESTIMATED % OF POTENTIAL		MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY															
PERSON DAYS THAT ARE USER-DAYS		MG/KG BODY WEIGHT/DAY					AS PERCENT OF RDV										
0	0	0.00	0.000000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	56	92.81	0.046236	46.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20	20

TOLERANCES:
 ANTICIPATED RESIDUES:

CHILDREN(1-6 YRS)

ESTIMATED % OF POTENTIAL		MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY															
PERSON DAYS THAT ARE USER-DAYS		MG/KG BODY WEIGHT/DAY					AS PERCENT OF RDV										
0	0	0.00	0.000000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	57	99.96	0.037068	37.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20	20

TOLERANCES:
 ANTICIPATED RESIDUES:

1 DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION 08:53 Wednesday, April 16, 1997 63

 *NAME: METHOMYL
 CASWELL NO: 549C CFR NO: CFR180.253 A 00000.0250 000100.000 000100 Chronic SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.
 CAS NO: 16752-77-5 SHAUGHNESSY NO: 090301 B 000100.000 Chron-onco Rat Systemic Minimum 0000000924
 STATUS CODES: C 000050.000 Chron-onco Mouse Systemic Minimum 0000001040
 *RDV INFO: The LD value used in this analysis is 0.1 MG/KG of BODY WEIGHT/DAY
 *FILE INFO: No Tolerance Data Are Used--Without User Modifications.
 ***** AR DATA: No User Modifications*
 -FEMALES(13+ YRS) *****

ESTIMATED % OF POTENTIAL MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
0.00	0.000000	0.00
99.78	0.013452	13.45

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

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

ESTIMATED % OF POTENTIAL MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY

PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
0.00	0.000000	0.00
99.92	0.012978	12.98

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

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

General U.S. Population

Exposure = RDV x X
 = 0.1 x 1.4
 High End Exposure = 0.14

MOE = Noel + Exposure
 = 6.0 mg/kg/day + 0.14 mg/kg/day
 MOE = 43

Infants (< 1 year)

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

MOE = Noel + Exposure
= 6.0 mg/kg/day + 0.3 mg/kg/day
MOE = 20

Children (1-6 years)

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

MOE = Noel + Exposure
= 6.0 mg/kg/day + 0.3 mg/kg/day
MOE = 20

Females (13+ Years):

Exposure = RDV x X
= 0.1 x .8
High End Exposure = 0.08

MOE = Noel + Exposure
= 6.0 mg/kg/day + 0.08 mg/kg/day
MOE = 75

Males (13+ Years):

Exposure = RDV x X
= 0.1 x .8
High End Exposure = 0.08

MOE = Noel + Exposure
= 6.0 mg/kg/day + 0.08 mg/kg/day
MOE = 75

549C	01009AA10	6.0000	BLUEBERRIES
549C	01009AA21	6.0000	BLUEBERRIES
549C	01009AA22	6.0000	BLUEBERRIES
549C	01009AA62	6.0000	BLUEBERRIES
549C	01014AA10	5.0000	GRAPES-FRESH
549C	01014AA21	5.0000	GRAPES-FRESH
549C	01014AA31	5.0000	GRAPES-FRESH
549C	01014DA10	5.0000	
GRAPES-RAISINS			
549C	01014DA21	5.0000	
GRAPES-RAISINS			
549C	01014DA22	5.0000	
GRAPES-RAISINS			
549C	01014JA10	5.0000	GRAPES-JUICE
549C	01014JA15	5.0000	GRAPES-JUICE
549C	01014JA21	5.0000	GRAPES-JUICE
549C	01016AA10	2.0000	STRAWBERRIES
549C	01016AA21	2.0000	STRAWBERRIES
549C	01016AA70	2.0000	STRAWBERRIES
549C	02002AA00	2.0000	
GRAPEFRUIT-UNSP			
549C	02002AB10	2.0000	
GRAPEFRUIT-PULP			
549C	02002AB21	2.0000	
GRAPEFRUIT-PULP			
549C	02002JA15	2.0000	
GRAPEFRUIT-JUICE			
549C	02002JA31	2.0000	
GRAPEFRUIT-JUICE			
549C	02004AA10	2.0000	
LEMONS-UNSPEC			
549C	02004AA22	2.0000	
LEMONS-UNSPEC			
549C	02004AB10	2.0000	LEMONS-PULP
549C	02004AB31	2.0000	LEMONS-PULP
549C	02004HA10	2.0000	LEMONS-PEEL
549C	02004HA21	2.0000	LEMONS-PEEL
549C	02004JA10	2.0000	LEMONS-JUICE
549C	02004JA15	2.0000	LEMONS-JUICE
549C	02004JA21	2.0000	LEMONS-JUICE
549C	02004JA31	2.0000	LEMONS-JUICE
549C	02006AA00	2.0000	
ORANGES-UNSPEC			
549C	02006AB10	2.0000	ORANGES-PULP
549C	02006AB21	2.0000	ORANGES-PULP
549C	02006HA21	2.0000	ORANGES-PEEL
549C	02006HA22	2.0000	ORANGES-PEEL
549C	02006HA31	2.0000	ORANGES-PEEL
549C	02006JA15	2.0000	
ORANGES-JUICE			
549C	02006JA31	2.0000	
ORANGES-JUICE			
549C	02007AA10	2.0000	TANGELOS
549C	02008AA10	2.0000	TANGERINES
549C	02008JA15	2.0000	
TANGERINE-JUICE			
549C	03008AA10	0.1000	PECANS
549C	03008AA21	0.1000	PECANS
549C	03008AA22	0.1000	PECANS
549C	03008AA23	0.1000	PECANS
549C	03008AA62	0.1000	PECANS
549C	04001AA10	1.0000	APPLES-FRESH
549C	04001AA21	1.0000	APPLES-FRESH
549C	04001AA31	1.0000	APPLES-FRESH
549C	04001AA62	1.0000	APPLES-FRESH
549C	04001DA10	1.0000	APPLES-DRIED
549C	04001DA22	1.0000	APPLES-DRIED
549C	04001DA62	1.0000	APPLES-DRIED
549C	04001JA15	1.0000	APPLES-JUICE
549C	04001JA31	1.0000	APPLES-JUICE
549C	04003AA10	4.0000	PEARS-FRESH
549C	04003AA31	4.0000	PEARS-FRESH
549C	04003AA51	4.0000	PEARS-FRESH
549C	04003AA62	4.0000	PEARS-FRESH
549C	04003DA10	4.0000	PEARS-DRIED
549C	04003DA21	4.0000	PEARS-DRIED
549C	05003AA10	5.0000	NECTARINES
549C	05004AA10	5.0000	
PEACHES-FRESH			
549C	05004AA21	5.0000	
PEACHES-FRESH			
549C	05004AA31	5.0000	
PEACHES-FRESH			
549C	05004AA51	5.0000	
PEACHES-FRESH			
549C	05004DA10	5.0000	
PEACHES-DRIED			
549C	05004DA21	5.0000	
PEACHES-DRIED			
549C	06001AA10	2.0000	AVOCADOS
549C	06015AA10	0.2000	POMEGRANATES
549C	06015AA21	0.2000	POMEGRANATES
549C	07006AA21	0.2000	CHICORY
549C	08020AA21	12.0000	CHOPS
549C	10002AA00	0.2000	
CANTALoupES-UNSP			
549C	10002AB10	0.2000	
CANTALoupES-PULP			
549C	10002AB21	0.2000	
CANTALoupES-PULP			
549C	10003AA10	0.2000	CASABAS
549C	10004AA00	0.2000	CRENSHAW
549C	10005AA10	0.2000	HONEYDEW
MELONS			
549C	10007AA00	0.2000	PERSION
MELONS			
549C	10008AA10	0.2000	WATERMELON
549C	10008AA21	0.2000	WATERMELON
549C	10010AA10	0.2000	CUCUMBERS
549C	10010AA11	0.2000	CUCUMBERS
549C	10010AA21	0.2000	CUCUMBERS
549C	10011AA21	0.2000	PUMPKIN
549C	10011AA22	0.2000	PUMPKIN
549C	10011AA62	0.2000	PUMPKIN
549C	10013AA10	0.2000	
SQUASH-SUMMER			
549C	10013AA21	0.2000	
SQUASH-SUMMER			
549C	10014AA10	0.2000	
SQUASH-WINTER			
549C	10014AA21	0.2000	
SQUASH-WINTER			
549C	10014AA31	0.2000	
SQUASH-WINTER			
549C	10017AA21	0.2000	BITTER MELON
549C	10020AA00	0.2000	TOWELGOURD
549C	11001AA10	0.2000	EGGPLANT
549C	11001AA21	0.2000	EGGPLANT
549C	11001AA25	0.2000	EGGPLANT
549C	11003AA10	2.0000	
PEPPERS,SWEET			
549C	11003AA21	2.0000	
PEPPERS,SWEET			
549C	11003AB00	2.0000	CHILI
PEPPERS			
549C	11003AD10	2.0000	
PEPPERS-OTHER			
549C	11003AD21	2.0000	
PEPPERS-OTHER			
549C	11003AD51	2.0000	
PEPPERS-OTHER			
549C	11004AA10	2.0000	PIMIENTOS

549C 11004AA21 2.0000 PIMIENTOS
549C 11004AA31 2.0000 PIMIENTOS
549C 11005AA10 1.0000
TOMATOES-WHOLE
549C 11005AA21 1.0000
TOMATOES-WHOLE
549C 11005AA31 1.0000
TOMATOES-WHOLE
549C 11005JA10 1.0000
TOMATOES-JUICE
549C 11005JA21 1.0000
TOMATOES-JUICE
549C 11005RA10 1.0000
TOMATOES-PUREE
549C 11005RA21 1.0000
TOMATOES-PUREE
549C 11005RA31 1.0000
TOMATOES-PUREE
549C 11005RA32 1.0000
TOMATOES-PUREE
549C 11005RA51 1.0000
TOMATOES-PUREE
549C 11005TA21 1.0000
TOMATOES-PASTE
549C 11005TA22 1.0000
TOMATOES-PASTE
549C 11005TA31 1.0000
TOMATOES-PASTE
549C 11005UA21 1.0000
TOMATOES-CATSUP
549C 13001AA31 6.0000 BEETS-TOPS
549C 13001AA63 6.0000 BEETS-TOPS
549C 13002AA10 3.0000 CELERY
549C 13002AA21 3.0000 CELERY
549C 13005AA21 6.0000 BROCCOLI
549C 13005AA31 6.0000 BROCCOLI
549C 13005AA63 6.0000 BROCCOLI
549C 13006AA21 2.0000 BRUSSEL
SPROUTS
549C 13006AA23 2.0000 BRUSSEL
SPROUTS
549C 13007AA10 5.0000 CABBAGE
549C 13007AA11 5.0000 CABBAGE
549C 13007AA21 5.0000 CABBAGE
549C 13008AA10 2.0000 CAULIFLOWER
549C 13008AA21 2.0000 CAULIFLOWER
549C 13009AA51 6.0000 COLLARDS
549C 13009AA63 6.0000 COLLARDS
549C 13010AA10 5.0000
CABBAGE-CHINESE
549C 13010AA21 5.0000
CABBAGE-CHINESE
549C 13011AA63 6.0000 KALE
549C 13012AA21 6.0000 KOHLRABI
549C 13013AA10 5.0000
LETTUCE-LEAFY
549C 13014AA63 6.0000 DANDELION
549C 13015AA10 5.0000 ENDIVE
549C 13015AA21 5.0000 ENDIVE
549C 13016AA00 3.0000 FENNEL
549C 13020AA10 5.0000
LETTUCE-UNSPEC
549C 13021AA21 6.0000 MUSTARD
GREENS
549C 13021AA63 6.0000 MUSTARD
GREENS
549C 13022AA10 6.0000 PARSLEY
549C 13022AA21 6.0000 PARSLEY
549C 13022AA53 6.0000 PARSLEY
549C 13023AA10 0.2000 RHUBARB
549C 13023AA21 0.2000 RHUBARB

549C 13023AA31 0.2000 RHUBARB
549C 13023AA62 0.2000 RHUBARB
549C 13024AA10 6.0000 SPINACH
549C 13024AA21 6.0000 SPINACH
549C 13024AA31 6.0000 SPINACH
549C 13025AA10 6.0000 SWISS CHARD
549C 13025AA31 6.0000 SWISS CHARD
549C 13025AA63 6.0000 SWISS CHARD
549C 13026AA10 6.0000 TURNIPS-TOPS
549C 13026AA21 6.0000 TURNIPS-TOPS
549C 13026AA31 6.0000 TURNIPS-TOPS
549C 13027AA10 6.0000 WATERCRESS
549C 13027AA21 6.0000 WATERCRESS
549C 13045AA10 5.0000 LETTUCE-HEAD
549C 13045AA21 5.0000 LETTUCE-HEAD
549C 14001AA10 0.2000 BEETS-ROOTS
549C 14001AA21 0.2000 BEETS-ROOTS
549C 14001AA26 0.2000 BEETS-ROOTS
549C 14001AA31 0.2000 BEETS-ROOTS
549C 14013AA10 0.2000
POTATO(WH)-WHOLE
549C 14013AA21 0.2000
POTATO(WH)-WHOLE
549C 14013AA22 0.2000
POTATO(WH)-WHOLE
549C 14013AB22 0.2000
POTATO(WH)-UNSPEC
549C 14013AC21 0.2000
POTATO(WH)-PULP
549C 14013AC22 0.2000
POTATO(WH)-PULP
549C 14013AC23 0.2000
POTATO(WH)-PULP
549C 14013AC25 0.2000
POTATO(WH)-PULP
549C 14013DA10 0.2000
POTATO(WH)-DRY
549C 14013DA31 0.2000
POTATO(WH)-DRY
549C 14013HA22 0.2000
POTATO(WH)-PEEL
549C 14014AA10 0.2000
RADISHES-ROOTS
549C 14015AA10 0.2000
RUTABAGAS-ROOTS
549C 14015AA21 0.2000
RUTABAGAS-ROOTS
549C 14016AA21 0.2000 SALSIFY
549C 14018AA21 0.2000
SWEETPOTATOES
549C 14018AA31 0.2000
SWEETPOTATOES
549C 14018AA51 0.2000
SWEETPOTATOES
549C 14019AA10 0.2000
TURNIPS-ROOTS
549C 14019AA21 0.2000
TURNIPS-ROOTS
549C 14021AA21 0.2000 PARSNIPS
549C 15001AA00 0.1000
BEANS-DRY-GRT NO
549C 15001AB21 0.1000
BEANS-DRY-KIDNEY
549C 15001AB31 0.1000
BEANS-DRY-KIDNEY
549C 15001AC21 0.1000
BEANS-DRY-LIMA
549C 15001AD21 0.1000
BEANS-DRY-NAVY
549C 15001AD31 0.1000
BEANS-DRY-NAVY

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549C 15001AE21 0.1000
 BEANS-DRY-OTHER
 549C 15001AE25 0.1000
 BEANS-DRY-OTHER
 549C 15001AE31 0.1000
 BEANS-DRY-OTHER
 549C 15001AF21 0.1000
 BEANS-DRY-PINTO
 549C 15002AA10 2.0000
 BEANS-SUCC-LIMA
 549C 15002AA21 2.0000
 BEANS-SUCC-LIMA
 549C 15003AA21 2.0000
 BEANS-SUCC-GREEN
 549C 15003AB10 2.0000
 BEANS-SUCC-OTH
 549C 15003AB21 2.0000
 BEANS-SUCC-OTH
 549C 15003AC21 2.0000
 BEANS-SUCC-WAX
 549C 15004AA21 0.1000 CORN,POP
 549C 15005AA10 0.1000 CORN,SWEET
 549C 15005AA21 0.1000 CORN,SWEET
 549C 15005AA31 0.1000 CORN,SWEET
 549C 15006AA10 0.1000
 PEANUTS-WHOLE
 549C 15006AA21 0.1000
 PEANUTS-WHOLE
 549C 15006AA22 0.1000
 PEANUTS-WHOLE
 549C 15007AA21 5.0000 PEAS
 DRY-GARDEN
 549C 15007AA31 5.0000 PEAS
 DRY-GARDEN
 549C 15009AA21 5.0000 PEAS
 SUCC-GARDEN
 549C 15009AA31 5.0000 PEAS
 SUCC-GARDEN
 549C 15011AA31 0.1000
 LENTILES-WHOLE
 549C 15011AB21 0.1000
 LENTILES-SPLIT
 549C 15013AA10 0.1000 MUNG BEANS
 549C 15013AA21 0.1000 MUNG BEANS
 549C 15022AA00 0.1000
 BEANS-DRY-BROAD
 549C 15022AB00 2.0000
 BEANS-SUCC-BROAD
 549C 15023AA21 0.1000
 BEANS-DRY-PIGEON
 549C 15027AA21 2.0000 BEANS-UNSPEC
 549C 15029AA00 0.2000
 SOYBEAN-SPROUTED
 549C 15030AA00 0.1000
 BEANS-DRY-HYAC
 549C 15030AB00 2.0000
 BEANS-SUCC-HYAC
 549C 15031AA21 0.1000 BLKEYE
 PEAS-DRY
 549C 15032AA21 0.1000 BEANS-DRY
 549C 15032AA31 0.1000 BEANS-DRY
 549C 16002AA21 2.0000 ASPARAGUS
 549C 16002AA23 2.0000 ASPARAGUS
 549C 16004AA10 3.0000 ONIONS-GREEN
 549C 16004AA21 3.0000 ONIONS-GREEN
 549C 16004AA25 3.0000 ONIONS-GREEN
 549C 24001AA21 1.0000 BARLEY
 549C 24002EA10 0.1000
 CORN,GRAIN-ENDO
 549C 24002EA21 0.1000
 CORN,GRAIN-ENDO

549C 24002EA22 0.1000
 CORN,GRAIN-ENDO
 549C 24002EA23 0.1000
 CORN,GRAIN-ENDO
 549C 24002HA00 0.1000
 CORN,GRAIN-BRAN
 549C 24002SA10 0.1000 CORN SUGAR
 549C 24002SA21 0.1000 CORN SUGAR
 549C 24002SA22 0.1000 CORN SUGAR
 549C 24003AA21 1.0000 OATS
 549C 24003AA22 1.0000 OATS
 549C 24003AA23 1.0000 OATS
 549C 24005AA00 1.0000 RYE-ROUGH
 549C 24005GA22 1.0000 RYE-GERM
 549C 24005WA21 1.0000 RYE-FLOUR
 549C 24005WA22 1.0000 RYE-FLOUR
 549C 24006AA00 0.2000 SORGHUM
 549C 24007AA10 1.0000 WHEAT-ROUGH
 549C 24007AA21 1.0000 WHEAT-ROUGH
 549C 24007AA22 1.0000 WHEAT-ROUGH
 549C 24007AA23 1.0000 WHEAT-ROUGH
 549C 24007GA10 1.0000 WHEAT-GERM
 549C 24007GA22 1.0000 WHEAT-GERM
 549C 24007HA10 1.0000 WHEAT-BRAN
 549C 24007HA21 1.0000 WHEAT-BRAN
 549C 24007HA22 1.0000 WHEAT-BRAN
 549C 24007WA10 1.0000 WHEAT-FLOUR
 549C 24007WA21 1.0000 WHEAT-FLOUR
 549C 24007WA22 1.0000 WHEAT-FLOUR
 549C 24007WA25 1.0000 WHEAT-FLOUR
 549C 25002SA10 0.2000 BEET SUGAR
 549C 25002SA21 0.2000 BEET SUGAR
 549C 25002SA22 0.2000 BEET SUGAR
 549C 25002SA31 0.2000 BEET SUGAR
 549C 27002OA18 0.1000
 CORN,GRAIN-OIL
 549C 27003OA18 0.1000
 COTTONSEED-OIL
 549C 27003WA18 0.1000
 COTTONSEED-MEAL
 549C 27007OA18 0.1000 PEANUTS-OIL
 549C 27010OA18 0.2000 SOYBEANS-OIL
 549C 28023AA21 0.2000
 SOYBEANS-UNSPEC
 549C 28023AB10 0.2000 SOYBEANS-DRY
 549C 28023AB21 0.2000 SOYBEANS-DRY
 549C 28023AB23 0.2000 SOYBEANS-DRY
 549C 28023AB25 0.2000 SOYBEANS-DRY
 549C 28023AB31 0.2000 SOYBEANS-DRY
 549C 28023WA21 0.2000 SOY-FL, FULL
 FAT
 549C 28023WA22 0.2000 SOY-FL, FULL
 FAT
 549C 28023WA31 0.2000 SOY-FL, FULL
 FAT
 549C 28023WB21 0.2000 SOY-FL, LOW
 FAT
 549C 28023WC10 0.2000 SOY-FL,DEFAT
 549C 28023WC21 0.2000 SOY-FL,DEFAT
 549C 28023WC22 0.2000 SOY-FL,DEFAT
 549C 28023WC51 0.2000 SOY-FL,DEFAT
 549C 28023WC53 0.2000 SOY-FL,DEFAT
 549C 43058AA10 5.0000 WINE AND
 SHERRY
 549C 43058AA21 5.0000 WINE AND
 SHERRY

TABLE 6
RED

1 DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION 13:55 Wednesday, April 16, 1997 62

 *NAME: METHOMYL
 *CAS NO: 549C CFR NO: CFR180.253 A *RDV NOEL SF STUDY TYPE SPECIES EFF. LEV. CORE GRADE DOC. NO.*
 CAS NO: 16752-77-5 SHAUGHNESSY NO: 090301 B 000100.000 000100 Chronon Dog Systemic Minimum 0000000924
 STATUS CODES: C 000050.000 Chron-onco Rat Systemic Minimum 0000001040
 RDV INFO: The LD value used in this analysis is 0.1 MG/KG of BODY WEIGHT/DAY Chron-onco Mouse Systemic Minimum 0000001040
 FILE INFO: No Tolerance Data Are Used--Without User Modifications. AR DATA: No User Modifications

 -U.S. POP.--48 STATES *****

ESTIMATED % OF POTENTIAL		MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY															
PERSON DAYS THAT ARE USER-DAYS		MG/KG BODY WEIGHT/DAY			AS PERCENT OF RDV			ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=									
0	0	0.00	0.000000	0.00	0	0	0	0	0	0	0	0	0	0			
0	28	99.76	0.017105	17.11	1	1	0	0	0	0	0	0	0	0			
0	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

0 INFANTS(<1 YEAR)

ESTIMATED % OF POTENTIAL		MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY															
PERSON DAYS THAT ARE USER-DAYS		MG/KG BODY WEIGHT/DAY			AS PERCENT OF RDV			ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=									
0	0	0.00	0.000000	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0
0	92.81	92.81	0.046238	46.24	1	1	0	0	0	0	0	0	0	0	0	0	0
0	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

0 CHILDREN(1-6 YRS)

ESTIMATED % OF POTENTIAL		MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY															
PERSON DAYS THAT ARE USER-DAYS		MG/KG BODY WEIGHT/DAY			AS PERCENT OF RDV			ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=									
0	0	0.00	0.000000	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0
0	99.96	99.96	0.037095	37.10	1	1	0	0	0	0	0	0	0	0	0	0	0
0	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20

10 DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION 13:55 Wednesday, April 16, 1997 63

 *NAME: METHONYL
 CASWELL NO: 549C CFR NO: CFR180.253 A 00000.0250 000100.000 000100 Chronic Dog EFF. LEV. CORE GRADE DOC. NO.
 CAS NO: 16752-77-5 SHAUGHNESSY NO: 090301 B 000100.000 Chron-onco Rat Systemic Minimum 0000000924
 STATUS CODES: C 000050.000 Chron-onco Mouse Systemic Minimum 0000001040
 *RDV INFO: The LD value used in this analysis is 0.1 MG/KG of BODY WEIGHT/DAY
 *FILE INFO: No Tolerance Data Are Used--Without User Modifications.
 ***** AR DATA: No User Modifications*
 -FEMALES(13+ YRS)

ESTIMATED % OF POTENTIAL		MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY														
PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV														
0	0.00	0.00														
100	99.78	13.49														
ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=																
0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
TOLERANCES:																
ANTICIPATED RESIDUES:																

 MALES(13+ YRS)

ESTIMATED % OF POTENTIAL		MEAN DAILY RESIDUE CONTRIBUTION PER USER-DAY														
PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV														
0	0.00	0.00														
100	99.92	13.03														
ESTIMATED % OF POPULATION USER-DAYS WITH RESIDUE CONTRIBUTION EXCEEDING X TIMES THE RDV, FOR X=																
0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
TOLERANCES:																
ANTICIPATED RESIDUES:																

General U.S. Population
 Exposure = RDV x X
 = 0.1 x 1.4
 High End Exposure = 0.14
 MOE = Noel + Exposure
 = 6.0 mg/kg/day + 0.14 mg/kg/day
 MOE = 43

Infants (< 1 year)

Exposure = $RDV \times X$
= 0.1×3
High End Exposure = 0.3
MOE = Noel + Exposure
= $6.0 \text{ mg/kg/day} + 0.3 \text{ mg/kg/day}$
MOE = 20

Children (1-6 years)

Exposure = $RDV \times X$
= 0.1×3
High End Exposure = 0.3
MOE = Noel + Exposure
= $6.0 \text{ mg/kg/day} + 0.3 \text{ mg/kg/day}$
MOE = 20

Females (13+ Years):

Exposure = $RDV \times X$
= $0.1 \times .8$
High End Exposure = 0.08
MOE = Noel + Exposure
= $6.0 \text{ mg/kg/day} + 0.08 \text{ mg/kg/day}$
MOE = 75

Males (13+ Years):

Exposure = $RDV \times X$
= $0.1 \times .8$
High End Exposure = 0.08
MOE = Noel + Exposure
= $6.0 \text{ mg/kg/day} + 0.08 \text{ mg/kg/day}$
MOE = 75

549C 01009AA10 6.0000 BLUEBERRIES
549C 01009AA21 6.0000 BLUEBERRIES
549C 01009AA22 6.0000 BLUEBERRIES
549C 01009AA62 6.0000 BLUEBERRIES
549C 01014AA10 5.0000 GRAPES-FRESH
549C 01014AA21 5.0000 GRAPES-FRESH
549C 01014AA31 5.0000 GRAPES-FRESH
549C 01014DA10 5.0000
GRAPES-RAISINS
549C 01014DA21 5.0000
GRAPES-RAISINS
549C 01014DA22 5.0000
GRAPES-RAISINS
549C 01014JA10 5.0000 GRAPES- JUICE
549C 01014JA15 5.0000 GRAPES- JUICE
549C 01014JA21 5.0000 GRAPES- JUICE
549C 01016AA10 2.0000 STRAWBERRIES
549C 01016AA21 2.0000 STRAWBERRIES
549C 01016AA70 2.0000 STRAWBERRIES
549C 02002AA00 2.0000
GRAPEFRUIT-UNSP
549C 02002AB10 2.0000
GRAPEFRUIT-PULP
549C 02002AB21 2.0000
GRAPEFRUIT-PULP
549C 02002JA15 2.0000
GRAPEFRUIT- JUICE
549C 02002JA31 2.0000
GRAPEFRUIT- JUICE
549C 02004AA10 2.0000
LEMONS-UNSPEC
549C 02004AA22 2.0000
LEMONS-UNSPEC
549C 02004AB10 2.0000 LEMONS-PULP
549C 02004AB31 2.0000 LEMONS-PULP
549C 02004HA10 2.0000 LEMONS-PEEL
549C 02004HA21 2.0000 LEMONS-PEEL
549C 02004JA10 2.0000 LEMONS- JUICE
549C 02004JA15 2.0000 LEMONS- JUICE
549C 02004JA21 2.0000 LEMONS- JUICE
549C 02004JA31 2.0000 LEMONS- JUICE
549C 02006AA00 2.0000
ORANGES-UNSPEC
549C 02006AB10 2.0000 ORANGES-PULP
549C 02006AB21 2.0000 ORANGES-PULP
549C 02006HA21 2.0000 ORANGES-PEEL
549C 02006HA22 2.0000 ORANGES-PEEL
549C 02006HA31 2.0000 ORANGES-PEEL
549C 02006JA15 2.0000
ORANGES- JUICE
549C 02006JA31 2.0000
ORANGES- JUICE
549C 02007AA10 2.0000 TANGELOS
549C 02008AA10 2.0000 TANGERINES
549C 02008JA15 2.0000
TANGERINE- JUICE
549C 03008AA10 0.1000 PECANS
549C 03008AA21 0.1000 PECANS
549C 03008AA22 0.1000 PECANS
549C 03008AA23 0.1000 PECANS
549C 03008AA62 0.1000 PECANS
549C 04001AA10 1.0000 APPLES-FRESH
549C 04001AA21 1.0000 APPLES-FRESH
549C 04001AA31 1.0000 APPLES-FRESH
549C 04001AA62 1.0000 APPLES-FRESH
549C 04001DA10 1.0000 APPLES-DRIED
549C 04001DA22 1.0000 APPLES-DRIED
549C 04001DA62 1.0000 APPLES-DRIED
549C 04001JA15 1.0000 APPLES- JUICE
549C 04001JA31 1.0000 APPLES- JUICE
549C 04003AA10 4.0000 PEARS-FRESH

549C 04003AA31 4.0000 PEARS-FRESH
549C 04003AA51 4.0000 PEARS-FRESH
549C 04003AA62 4.0000 PEARS-FRESH
549C 04003DA10 4.0000 PEARS-DRIED
549C 04003DA21 4.0000 PEARS-DRIED
549C 05003AA10 5.0000 NECTARINES
549C 05004AA10 5.0000
PEACHES-FRESH
549C 05004AA21 5.0000
PEACHES-FRESH
549C 05004AA31 5.0000
PEACHES-FRESH
549C 05004AA51 5.0000
PEACHES-FRESH
549C 05004DA10 5.0000
PEACHES-DRIED
549C 05004DA21 5.0000
PEACHES-DRIED
549C 06001AA10 2.0000 AVOCADOS
549C 06015AA10 0.2000 POMEGRANATES
549C 06015AA21 0.2000 POMEGRANATES
549C 07006AA21 0.2000 CHICORY
549C 08020AA21 12.0000CHOPS
549C 10002AA00 0.2000
CANTALoupES-UNSP
549C 10002AB10 0.2000
CANTALoupES-PULP
549C 10002AB21 0.2000
CANTALoupES-PULP
549C 10003AA10 0.2000 CASABAS
549C 10004AA00 0.2000 CRENSHAWs
549C 10005AA10 0.2000 HONEYDEW
MELONS
549C 10007AA00 0.2000 PERSION
MELONS
549C 10008AA10 0.2000 WATERMELON
549C 10008AA21 0.2000 WATERMELON
549C 10010AA10 0.2000 CUCUMBERS
549C 10010AA11 0.2000 CUCUMBERS
549C 10010AA21 0.2000 CUCUMBERS
549C 10011AA21 0.2000 PUMPKIN
549C 10011AA22 0.2000 PUMPKIN
549C 10011AA62 0.2000 PUMPKIN
549C 10013AA10 0.2000
SQUASH-SUMMER
549C 10013AA21 0.2000
SQUASH-SUMMER
549C 10014AA10 0.2000
SQUASH-WINTER
549C 10014AA21 0.2000
SQUASH-WINTER
549C 10014AA31 0.2000
SQUASH-WINTER
549C 10017AA21 0.2000 BITTER MELON
549C 10020AA00 0.2000 TOWELGOURD
549C 11001AA10 0.2000 EGGPLANT
549C 11001AA21 0.2000 EGGPLANT
549C 11001AA25 0.2000 EGGPLANT
549C 11003AA10 2.0000
PEPPERS,SWEET
549C 11003AA21 2.0000
PEPPERS,SWEET
549C 11003AB00 2.0000 CHILI
PEPPERS
549C 11003AD10 2.0000
PEPPERS-OTHER
549C 11003AD21 2.0000
PEPPERS-OTHER
549C 11003AD51 2.0000
PEPPERS-OTHER
549C 11004AA10 2.0000 PIMIENTOS

549C 11004AA21 2.0000 PIMIENTOS
 549C 11004AA31 2.0000 PIMIENTOS
 549C 11005AA10 1.0000
 TOMATOES-WHOLE
 549C 11005AA21 1.0000
 TOMATOES-WHOLE
 549C 11005AA31 1.0000
 TOMATOES-WHOLE
 549C 11005JA10 1.0000
 TOMATOES-JUICE
 549C 11005JA21 1.0000
 TOMATOES-JUICE
 549C 11005RA10 1.0000
 TOMATOES-PUREE
 549C 11005RA21 1.0000
 TOMATOES-PUREE
 549C 11005RA31 1.0000
 TOMATOES-PUREE
 549C 11005RA32 1.0000
 TOMATOES-PUREE
 549C 11005RA51 1.0000
 TOMATOES-PUREE
 549C 11005TA21 1.0000
 TOMATOES-PASTE
 549C 11005TA22 1.0000
 TOMATOES-PASTE
 549C 11005TA31 1.0000
 TOMATOES-PASTE
 549C 11005UA21 1.0000
 TOMATOES-CATSUP
 549C 13001AA31 6.0000 BEETS-TOPS
 549C 13001AA63 6.0000 BEETS-TOPS
 549C 13002AA10 3.0000 CELERY
 549C 13002AA21 3.0000 CELERY
 549C 13005AA21 6.0000 BROCCOLI
 549C 13005AA31 6.0000 BROCCOLI
 549C 13005AA63 6.0000 BROCCOLI
 549C 13006AA21 2.0000 BRUSSEL
 SPROUTS
 549C 13006AA23 2.0000 BRUSSEL
 SPROUTS
 549C 13007AA10 5.0000 CABBAGE
 549C 13007AA11 5.0000 CABBAGE
 549C 13007AA21 5.0000 CABBAGE
 549C 13008AA10 2.0000 CAULIFLOWER
 549C 13008AA21 2.0000 CAULIFLOWER
 549C 13009AA51 6.0000 COLLARDS
 549C 13009AA63 6.0000 COLLARDS
 549C 13010AA10 5.0000
 CABBAGE-CHINESE
 549C 13010AA21 5.0000
 CABBAGE-CHINESE
 549C 13011AA63 6.0000 KALE
 549C 13012AA21 6.0000 KOHLRABI
 549C 13013AA10 5.0000
 LETTUCE-LEAFY
 549C 13014AA63 6.0000 DANDELION
 549C 13015AA10 5.0000 ENDIVE
 549C 13015AA21 5.0000 ENDIVE
 549C 13016AA00 3.0000 FENNEL
 549C 13020AA10 5.0000
 LETTUCE-UNSPEC
 549C 13021AA21 6.0000 MUSTARD
 GREENS
 549C 13021AA63 6.0000 MUSTARD
 GREENS
 549C 13022AA10 6.0000 PARSLEY
 549C 13022AA21 6.0000 PARSLEY
 549C 13022AA53 6.0000 PARSLEY
 549C 13023AA10 0.2000 RHUBARB
 549C 13023AA21 0.2000 RHUBARB

549C 13023AA31 0.2000 RHUBARB
 549C 13023AA62 0.2000 RHUBARB
 549C 13024AA10 6.0000 SPINACH
 549C 13024AA21 6.0000 SPINACH
 549C 13024AA31 6.0000 SPINACH
 549C 13025AA10 6.0000 SWISS CHARD
 549C 13025AA31 6.0000 SWISS CHARD
 549C 13025AA63 6.0000 SWISS CHARD
 549C 13026AA10 6.0000 TURNIPS-TOPS
 549C 13026AA21 6.0000 TURNIPS-TOPS
 549C 13026AA31 6.0000 TURNIPS-TOPS
 549C 13045AA10 5.0000 LETTUCE-HEAD
 549C 13045AA21 5.0000 LETTUCE-HEAD
 549C 14001AA10 0.2000 BEETS-ROOTS
 549C 14001AA21 0.2000 BEETS-ROOTS
 549C 14001AA26 0.2000 BEETS-ROOTS
 549C 14001AA31 0.2000 BEETS-ROOTS
 549C 14013AA10 0.2000
 POTATO(WH)-WHOLE
 549C 14013AA21 0.2000
 POTATO(WH)-WHOLE
 549C 14013AA22 0.2000
 POTATO(WH)-WHOLE
 549C 14013AB22 0.2000
 POTATO(WH)-UNSPEC
 549C 14013AC21 0.2000
 POTATO(WH)-PULP
 549C 14013AC22 0.2000
 POTATO(WH)-PULP
 549C 14013AC23 0.2000
 POTATO(WH)-PULP
 549C 14013AC25 0.2000
 POTATO(WH)-PULP
 549C 14013DA10 0.2000
 POTATO(WH)-DRY
 549C 14013DA31 0.2000
 POTATO(WH)-DRY
 549C 14013HA22 0.2000
 POTATO(WH)-PEEL
 549C 14014AA10 0.2000
 RADISHES-ROOTS
 549C 14015AA10 0.2000
 RUTABAGAS-ROOTS
 549C 14015AA21 0.2000
 RUTABAGAS-ROOTS
 549C 14016AA21 0.2000 SALSIFY
 549C 14018AA21 0.2000
 SWEETPOTATOES
 549C 14018AA31 0.2000
 SWEETPOTATOES
 549C 14018AA51 0.2000
 SWEETPOTATOES
 549C 14019AA10 0.2000
 TURNIPS-ROOTS
 549C 14019AA21 0.2000
 TURNIPS-ROOTS
 549C 14021AA21 0.2000 PARSNIPS
 549C 15001AA00 0.1000
 BEANS-DRY-GRT NO
 549C 15001AB21 0.1000
 BEANS-DRY-KIDNEY
 549C 15001AB31 0.1000
 BEANS-DRY-KIDNEY
 549C 15001AC21 0.1000
 BEANS-DRY-LIMA
 549C 15001AD21 0.1000
 BEANS-DRY-NAVY
 549C 15001AD31 0.1000
 BEANS-DRY-NAVY
 549C 15001AE21 0.1000
 BEANS-DRY-OTHER

549C	15001AE25	0.1000	
BEANS-DRY-OTHER			
549C	15001AE31	0.1000	
BEANS-DRY-OTHER			
549C	15001AF21	0.1000	
BEANS-DRY-PINTO			
549C	15002AA10	2.0000	
BEANS-SUCC-LIMA			
549C	15002AA21	2.0000	
BEANS-SUCC-LIMA			
549C	15003AA21	2.0000	
BEANS-SUCC-GREEN			
549C	15003AB10	2.0000	
BEANS-SUCC-OTH			
549C	15003AB21	2.0000	
BEANS-SUCC-OTH			
549C	15003AC21	2.0000	
BEANS-SUCC-WAX			
549C	15004AA21	0.1000	CORN,POP
549C	15005AA10	0.1000	CORN,SWEET
549C	15005AA21	0.1000	CORN,SWEET
549C	15005AA31	0.1000	CORN,SWEET
549C	15006AA10	0.1000	
PEANUTS-WHOLE			
549C	15006AA21	0.1000	
PEANUTS-WHOLE			
549C	15006AA22	0.1000	
PEANUTS-WHOLE			
549C	15007AA21	5.0000	PEAS
DRY-GARDEN			
549C	15007AA31	5.0000	PEAS
DRY-GARDEN			
549C	15009AA21	5.0000	PEAS
SUCC-GARDEN			
549C	15009AA31	5.0000	PEAS
SUCC-GARDEN			
549C	15011AA31	0.2000	
LENTILES-WHOLE			
549C	15011AB21	0.2000	
LENTILES-SPLIT			
549C	15013AA10	0.1000	MUNG BEANS
549C	15013AA21	0.1000	MUNG BEANS
549C	15022AA00	0.1000	
BEANS-DRY-BROAD			
549C	15022AB00	2.0000	
BEANS-SUCC-BROAD			
549C	15023AA21	0.1000	
BEANS-DRY-PIGEON			
549C	15027AA21	2.0000	BEANS-UNSPEC
549C	15029AA00	0.2000	
SOYBEAN-SPROUTED			
549C	15030AA00	0.1000	
BEANS-DRY-HYAC			
549C	15030AB00	2.0000	
BEANS-SUCC-HYAC			
549C	15031AA21	0.1000	BLKEYE
PEAS-DRY			
549C	15032AA21	0.1000	BEANS-DRY
549C	15032AA31	0.1000	BEANS-DRY
549C	16002AA21	2.0000	ASPARAGUS
549C	16002AA23	2.0000	ASPARAGUS
549C	16004AA10	3.0000	ONIONS-GREEN
549C	16004AA21	3.0000	ONIONS-GREEN
549C	16004AA25	3.0000	ONIONS-GREEN
549C	24001AA21	1.0000	BARLEY
549C	24002EA10	0.1000	
CORN, GRAIN-ENDO			
549C	24002EA21	0.1000	
CORN, GRAIN-ENDO			
549C	24002EA22	0.1000	
CORN, GRAIN-ENDO			
549C	24002EA23	0.1000	
CORN, GRAIN-ENDO			
549C	24002HA00	0.1000	
CORN, GRAIN-BRAN			
549C	24002SA10	0.1000	CORN SUGAR
549C	24002SA21	0.1000	CORN SUGAR
549C	24002SA22	0.1000	CORN SUGAR
549C	24003AA21	1.0000	OATS
549C	24003AA22	1.0000	OATS
549C	24003AA23	1.0000	OATS
549C	24005AA00	10.0000	RYE-ROUGH
549C	24005GA22	10.0000	RYE-GERM
549C	24005WA21	10.0000	RYE-FLOUR
549C	24005WA22	10.0000	RYE-FLOUR
549C	24006AA00	0.2000	SORGHUM
549C	24007AA10	1.0000	WHEAT-ROUGH
549C	24007AA21	1.0000	WHEAT-ROUGH
549C	24007AA22	1.0000	WHEAT-ROUGH
549C	24007AA23	1.0000	WHEAT-ROUGH
549C	24007GA10	1.0000	WHEAT-GERM
549C	24007GA22	1.0000	WHEAT-GERM
549C	24007HA10	1.0000	WHEAT-BRAN
549C	24007HA21	1.0000	WHEAT-BRAN
549C	24007HA22	1.0000	WHEAT-BRAN
549C	24007WA10	1.0000	WHEAT-FLOUR
549C	24007WA21	1.0000	WHEAT-FLOUR
549C	24007WA22	1.0000	WHEAT-FLOUR
549C	24007WA25	1.0000	WHEAT-FLOUR
549C	25002SA10	0.2000	BEET SUGAR
549C	25002SA21	0.2000	BEET SUGAR
549C	25002SA22	0.2000	BEET SUGAR
549C	25002SA31	0.2000	BEET SUGAR
549C	27002OA18	0.1000	
CORN, GRAIN-OIL			
549C	27003OA18	0.1000	
COTTONSEED-OIL			
549C	27003WA18	0.1000	
COTTONSEED-MEAL			
549C	27007OA18	0.1000	PEANUTS-OIL
549C	27010OA18	0.2000	SOYBEANS-OIL
549C	28023AA21	0.2000	
SOYBEANS-UNSPEC			
549C	28023AB10	0.2000	SOYBEANS-DRY
549C	28023AB21	0.2000	SOYBEANS-DRY
549C	28023AB23	0.2000	SOYBEANS-DRY
549C	28023AB25	0.2000	SOYBEANS-DRY
549C	28023AB31	0.2000	SOYBEANS-DRY
549C	28023WA21	0.2000	SOY-FL, FULL
FAT			
549C	28023WA22	0.2000	SOY-FL, FULL
FAT			
549C	28023WA31	0.2000	SOY-FL, FULL
FAT			
549C	28023WB21	0.2000	SOY-FL, LOW
FAT			
549C	28023WC10	0.2000	SOY-FL,DEFAT
549C	28023WC21	0.2000	SOY-FL,DEFAT
549C	28023WC22	0.2000	SOY-FL,DEFAT
549C	28023WC51	0.2000	SOY-FL,DEFAT
549C	28023WC53	0.2000	SOY-FL,DEFAT
549C	43058AA10	5.0000	WINE AND
SHERRY			
549C	43058AA21	5.0000	WINE AND
SHERRY			