

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

3

# 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
02004JA	LEMONS-JUICE	00 NOT SPECIFIED (NO CONSUMPTION)	2F1254	P 2.000000	2.000000		1.00	0.020000
02006AA	ORANGES-UNSPEC	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
02006AB	ORANGES-PULP	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

4

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Methyl 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

5

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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

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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		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



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)
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

ANTICIPATED RESIDUE INFORMATION FOR CASHELL NUMBER 549C

DATE: 04/15/97

PAGE: 7

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	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAŞ RUN (ppm)
24007WA	WHEAT-FLOUR	5F1615	P 1.000000	1.000000		1.00	0.010000
24007WA	WHEAT-FLOUR	5F1615	P 1.000000	1.000000		1.00	0.010000
24007WA	WHEAT-FLOUR	5F1615	P 1.000000	1.000000		1.00	0.010000
24007WA	WHEAT-FLOUR	5F1615	P 1.000000	1.000000		1.00	0.010000
25002SA	BEEF SUGAR	0F0886	P 0.200000	0.200000		6.00	0.012000
25002SA	BEEF SUGAR	0F0886	P 0.200000	0.200000		6.00	0.012000
25002SA	BEEF SUGAR	0F0886	P 0.200000	0.200000		6.00	0.012000
25002SA	BEEF SUGAR	0F0886	P 0.200000	0.200000		6.00	0.012000
270020A	CORN, GRAIN-OIL	8F0677	P 0.100000	0.100000		1.00	0.001000
270030A	COTTONSEED-OIL	1F1162	P 0.100000	0.100000		9.00	0.009000
27003WA	COTTONSEED-MEAL	1F1162	P 0.100000	0.100000		9.00	0.009000
270070A	PEANUTS-OIL	1F1158	P 0.100000	0.100000		16.00	0.016000
270100A	SOYBEANS-OIL	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AA	SOYBEANS-UNSPEC	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	1F1021	P 0.200000	0.200000		1.00	0.002000
28023AB	SOYBEANS-DRY	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WA	SOY-FL, FULL FAT	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WA	SOY-FL, FULL FAT	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WA	SOY-FL, FULL FAT	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WA	SOY-FL, FULL FAT	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WB	SOY-FL, LOW FAT	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL,DEFAT	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL,DEFAT	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL,DEFAT	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL,DEFAT	1F1021	P 0.200000	0.200000		1.00	0.002000
28023WC	SOY-FL,DEFAT	1F1021	P 0.200000	0.200000		1.00	0.002000
43058AA	WINE AND SHERRY	4F1437	P 5.000000	5.000000		15.00	0.750000
43058AA	WINE AND SHERRY	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= 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	XRFD
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.

12

# 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
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
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
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	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

13

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 549C

DATE: 04/15/97

PAGE: 2

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 MELONS	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		10.00	0.020000

14

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
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

15

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 549C

DATE: 04/15/97

PAGE: 4

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
110058A	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



ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 549C

DATE: 04/15/97

PAGE: 5

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

17

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

89

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

19

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 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.

2

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
TOLERANCES:		0															
ANTICIPATED RESIDUES:		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										
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	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
TOLERANCES:		0															
ANTICIPATED RESIDUES:		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										
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
TOLERANCES:		0															
ANTICIPATED RESIDUES:		0															

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	1	2	3	4	5	10	15	20								
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
ANTICIPATED RESIDUES:	100	23	4	1	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	1	2	3	4	5	10	15	20								
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
ANTICIPATED RESIDUES:	100	20	3	1	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	04003AA31	4.0000	PEARS-FRESH
549C	01009AA21	6.0000	BLUEBERRIES	549C	04003AA51	4.0000	PEARS-FRESH
549C	01009AA22	6.0000	BLUEBERRIES	549C	04003AA62	4.0000	PEARS-FRESH
549C	01009AA62	6.0000	BLUEBERRIES	549C	04003DA10	4.0000	PEARS-DRIED
549C	01014AA10	5.0000	GRAPES-FRESH	549C	04003DA21	4.0000	PEARS-DRIED
549C	01014AA21	5.0000	GRAPES-FRESH	549C	05003AA10	5.0000	NECTARINES
549C	01014AA31	5.0000	GRAPES-FRESH	549C	05004AA10	5.0000	
549C	01014DA10	5.0000					
	GRAPES-RAISINS				PEACHES-FRESH		
549C	01014DA21	5.0000		549C	05004AA21	5.0000	
	GRAPES-RAISINS				PEACHES-FRESH		
549C	01014DA22	5.0000		549C	05004AA31	5.0000	
	GRAPES-RAISINS				PEACHES-FRESH		
549C	01014JA10	5.0000	GRAPES-JUICE	549C	05004AA51	5.0000	
549C	01014JA15	5.0000	GRAPES-JUICE		PEACHES-FRESH		
549C	01014JA21	5.0000	GRAPES-JUICE	549C	05004DA10	5.0000	
549C	01016AA10	2.0000	STRAWBERRIES		PEACHES-DRIED		
549C	01016AA21	2.0000	STRAWBERRIES	549C	05004DA21	5.0000	
549C	01016AA70	2.0000	STRAWBERRIES		PEACHES-DRIED		
549C	02002AA00	2.0000		549C	06001AA10	2.0000	AVOCADOS
	GRAPEFRUIT-UNSP			549C	06015AA10	0.2000	POMEGRANATES
549C	02002AB10	2.0000		549C	06015AA21	0.2000	POMEGRANATES
	GRAPEFRUIT-PULP			549C	07006AA21	0.2000	CHICORY
549C	02002AB21	2.0000		549C	08020AA21	12.0000	CHOPS
	GRAPEFRUIT-PULP			549C	10002AA00	0.2000	
549C	02002JA15	2.0000			CANTALoupES-UNSP		
	GRAPEFRUIT-JUICE			549C	10002AB10	0.2000	
549C	02002JA31	2.0000			CANTALoupES-PULP		
	GRAPEFRUIT-JUICE			549C	10002AB21	0.2000	
549C	02004AA10	2.0000			CANTALoupES-PULP		
	LEMONS-UNSPEC			549C	10003AA10	0.2000	CASABAS
549C	02004AA22	2.0000		549C	10004AA00	0.2000	CRENSHAWs
	LEMONS-UNSPEC			549C	10005AA10	0.2000	HONEYDEW
549C	02004AB10	2.0000	LEMONS-PULP		MELONS		
549C	02004AB31	2.0000	LEMONS-PULP	549C	10007AA00	0.2000	PERSION
549C	02004HA10	2.0000	LEMONS-PEEL		MELONS		
549C	02004HA21	2.0000	LEMONS-PEEL	549C	10008AA10	0.2000	WATERMELON
549C	02004JA10	2.0000	LEMONS-JUICE	549C	10008AA21	0.2000	WATERMELON
549C	02004JA15	2.0000	LEMONS-JUICE	549C	10010AA10	0.2000	CUCUMBERS
549C	02004JA21	2.0000	LEMONS-JUICE	549C	10010AA11	0.2000	CUCUMBERS
549C	02004JA31	2.0000	LEMONS-JUICE	549C	10010AA21	0.2000	CUCUMBERS
549C	02006AA00	2.0000		549C	10011AA21	0.2000	PUMPKIN
	ORANGES-UNSPEC			549C	10011AA22	0.2000	PUMPKIN
549C	02006AB10	2.0000	ORANGES-PULP	549C	10011AA62	0.2000	PUMPKIN
549C	02006AB21	2.0000	ORANGES-PULP	549C	10013AA10	0.2000	
549C	02006HA21	2.0000	ORANGES-PEEL		SQUASH-SUMMER		
549C	02006HA22	2.0000	ORANGES-PEEL	549C	10013AA21	0.2000	
549C	02006HA31	2.0000	ORANGES-PEEL		SQUASH-SUMMER		
549C	02006JA15	2.0000		549C	10014AA10	0.2000	
	ORANGES-JUICE				SQUASH-WINTER		
549C	02006JA31	2.0000		549C	10014AA21	0.2000	
	ORANGES-JUICE				SQUASH-WINTER		
549C	02007AA10	2.0000	TANGELOS	549C	10014AA31	0.2000	
549C	02008AA10	2.0000	TANGERINES		SQUASH-WINTER		
549C	02008JA15	2.0000		549C	10017AA21	0.2000	BITTER MELON
	TANGERINE-JUICE			549C	10020AA00	0.2000	TOWELGOURD
549C	03008AA10	0.1000	PECANS	549C	11001AA10	0.2000	EGGPLANT
549C	03008AA21	0.1000	PECANS	549C	11001AA21	0.2000	EGGPLANT
549C	03008AA22	0.1000	PECANS	549C	11001AA25	0.2000	EGGPLANT
549C	03008AA23	0.1000	PECANS	549C	11003AA10	2.0000	
549C	03008AA62	0.1000	PECANS		PEPPERS,SWEET		
549C	04001AA10	1.0000	APPLES-FRESH	549C	11003AA21	2.0000	
549C	04001AA21	1.0000	APPLES-FRESH		PEPPERS,SWEET		
549C	04001AA31	1.0000	APPLES-FRESH	549C	11003AB00	2.0000	CHILI
549C	04001AA62	1.0000	APPLES-FRESH		PEPPERS		
549C	04001DA10	1.0000	APPLES-DRIED	549C	11003AD10	2.0000	
549C	04001DA22	1.0000	APPLES-DRIED		PEPPERS-OTHER		
549C	04001DA62	1.0000	APPLES-DRIED	549C	11003AD21	2.0000	
549C	04001JA15	1.0000	APPLES-JUICE		PEPPERS-OTHER		
549C	04001JA31	1.0000	APPLES-JUICE	549C	11003AD51	2.0000	
549C	04003AA10	4.0000	PEARS-FRESH		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

26

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 -00000.0250 000100.000 000100 Chronic Dog Systemic Eff. Lev. CORE GRADE DOC. NO.\*  
 \*CAS NO: 16752-77-5 SHAUGHNESSY NO: 090301 B 000100.000 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\*  
 \*\*\*\*\*  
 -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									
0.00		0.000000					0.00									
99.76		0.017105					17.11									
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
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	28	9	4	2	1	1	0	0	0	0	0	0	0	0	0	0

TOLERANCES:  
 ANTICIPATED RESIDUES:

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									
0.00		0.000000					0.00									
92.81		0.046238					46.24									
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
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	56	42	31	21	14	10	6	4	3	2	0	0	0	0	0	0

TOLERANCES:  
 ANTICIPATED RESIDUES:

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									
0.00		0.000000					0.00									
99.96		0.037095					37.10									
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
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	57	35	20	11	6	3	2	1	1	1	0	0	0	0	0	0

TOLERANCES:  
 ANTICIPATED RESIDUES:

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 Systemic Minimum 0000000924\*  
 \*CAS NO: 16752-77-5 SHAUGHNESSY NO: 090301 B 000100.000 Chron-onco Rat Systemic Minimum 0000001040\*  
 \*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	99.78	0.00	0.013489	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	0.00	0.00
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	20
TOLERANCES:		0	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	0

OMALES(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	99.92	0.00	0.013026	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	0.00	0.00
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	20
TOLERANCES:		0	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	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 =  $RDV \times X$   
=  $0.1 \times 3$   
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 =  $RDV \times X$   
=  $0.1 \times 3$   
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			