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

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OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

Subject: Addendum to the Methomyl Registration Standard: Tolerance Assessment System Tolerance Reassessment

To: Amy Rispin, Ph.D.
Science Integration Staff
Hazard Evaluation Division
-and-

E. Allen
Registration Division

From: Charles Frick
Tolerance Assessment Program
Residue Chemistry Branch, HED

C. Frick 11/9/87

Thru: Karl Arne, Ph.D. *KArne*
Branch Senior Scientist
Residue Chemistry Branch, HED

Please find attached the Tolerance Assessment System (TAS) tolerance reassessment for Methomyl, which is an addendum to the Registration Standard. This is in compliance with the policy established in HED that TAS will be used for all Registration Standards, Special Reviews, and tolerances on new chemicals.

CHEMICAL: METHOMYL

Discussion

1. The Acceptable Daily Intake (ADI) for this chemical is 0.025 mg/kg/day, and has been approved by the Toxicology Branch and Agency Reference Dose Committees.

2. The food uses evaluated by the Tolerance Assessment System (TAS) were published tolerances as established under CFR 180.253, and the published tolerances factored by percent of crops treated with Methomyl. A list of these tolerances is appended.

3. A comparison of published tolerances to the ADI was conducted using the TAS Routine Chronic Analysis. The TAS analysis estimates dietary exposures for the U.S. population average and for each of 22 subgroups. The Theoretical Maximum Residue Contribution (TMRC) for the U.S. population is 0.016188 mg/kg/day, which occupies 65% of the ADI. The two highest calculated exposures were non-nursing infants less than 1 year of age (0.047210 mg/kg/day, 189% of the ADI) and children 1-6 years old (0.037087 mg/kg/day, 148% of the ADI).

4. The Anticipated Residue Contribution (ARC) was calculated by factoring the published tolerances by the percent of crops treated. The estimated ARCs for the 22 subgroups ranged from a low of 20% to a high of 72% of the ADI. In no group did the ARC equal or exceed the ADI. Analytical summary appended. The Preliminary Quantitative Usage Analysis (PQUA) of Methomyl was submitted by Joseph Hogue, of the Economic Analysis Branch, BUD, July 1987.

ATTACHMENT

cc. Registration Standard File
Reading File
TAS file
C. Frick (RBC)
D. Edwards (RCB)
Toxicology Branch
PMSD

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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	2yr feeding- dogs NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: Negative- 2 species	Histological changes in the kidney and spleen. No evidence of oncogenicity in rats or mice.	ADI 100 OPP Rfd= 0.025000 EPA Rfd= 0.025000 WHO Rfd 0.010000 Type: TADI	No data gaps.	TOX complete 3/21/86. ORD verified 4/22/86. WHO last reviewed 1986.

POPULATION SUBGROUP	TOTAL TMRC (MG/KG BODY WEIGHT/DAY)	NEW TMRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES ARC (MG/KG/DAY)	%RFD
U.S. POPULATION - 48 STATES	0.016188	64.751244	0.000000	0.006677	26.706784
U.S. POPULATION - SPRING SEASON	0.015728	62.913160	0.000000	0.006630	26.519236
U.S. POPULATION - SUMMER SEASON	0.016364	65.454472	0.000000	0.006585	26.339400
U.S. POPULATION - FALL SEASON	0.016262	65.048576	0.000000	0.006719	26.874796
U.S. POPULATION - WINTER SEASON	0.016345	65.380272	0.000000	0.006773	27.093696
NORTHEAST REGION	0.017854	71.415296	0.000000	0.006732	26.928924
NORTH CENTRAL REGION	0.015860	63.438480	0.000000	0.006223	24.890548
SOUTHERN REGION	0.014529	58.114868	0.000000	0.006690	26.761920
WESTERN REGION	0.017224	68.896596	0.000000	0.007244	28.975356
HISPANICS	0.017376	69.505760	0.000000	0.005890	23.559828
NON-HISPANIC WHITES	0.015972	63.887004	0.000000	0.006501	26.005440
NON-HISPANIC BLACKS	0.016524	66.096920	0.000000	0.007954	31.817720
NON-HISPANICS OTHER	0.019605	78.420608	0.000000	0.008670	34.678304
NURSING INFANTS (<1 YEAR OLD)	0.027555	110.220776	0.000000	0.011216	44.864156
NON-NURSING INFANTS (<1 YEAR OLD)	0.047210	188.841388	0.000000	0.018078	72.312784
FEMALES (13+ YEARS, PREGNANT)	0.012484	49.936500	0.000000	0.005111	20.444544
FEMALES 13+ YEARS, NURSING	0.014745	58.980444	0.000000	0.006952	27.807684
CHILDREN (1-6 YEARS OLD)	0.037087	148.349240	0.000000	0.010772	43.089548
CHILDREN (7-12 YEARS OLD)	0.023222	92.886556	0.000000	0.008351	33.402240
MALES (13-19 YEARS OLD)	0.013728	54.911672	0.000000	0.005362	21.447044
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.012753	51.012260	0.000000	0.005192	20.767020
MALES (20 YEARS AND OLDER)	0.011238	44.952272	0.000000	0.005465	21.859360
FEMALES (20 YEARS AND OLDER)	0.012527	50.107756	0.000000	0.006191	24.764852

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

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253	2yr feeding- dogs NOEL= 2.5000 mg/kg LEL= 10.0000 mg/kg 400.00 ppm ONCO: Negative- 2 species	Histological changes in the kidney and spleen. No evidence of oncogeni- city in rats or mice.	ADI 100 OPP Rfd= 0.025000 EPA Rfd= 0.025000 WHO Rfd 0.010000 Type: TADI	No data gaps.	TOX complete 3/21/86. ORD verified 4/22/86. WHO last reviewed 1986.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS	8F2064	P 6.000000	6.000000		100.00	6.000000
01009AA	BLUEBERRIES	21 COOKED-NFS	8F2064	P 6.000000	6.000000		100.00	6.000000
01009AA	BLUEBERRIES	22 COOKED-FRESH-BAKED	8F2064	P 6.000000	6.000000		100.00	6.000000
01009AA	BLUEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	8F2064	P 6.000000	6.000000		100.00	6.000000
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS	4F1437	P 5.000000	5.000000		6.00	0.300000
01014AA	GRAPES-FRESH	21 COOKED-NFS	4F1437	P 5.000000	5.000000		6.00	0.300000
01014AA	GRAPES-FRESH	31 COOKED-FRESH OR CANNED	4F1437	P 5.000000	5.000000		6.00	0.300000
01014DA	GRAPES-RAISINS	10 RAW-FRESH OR NFS	4F1437	P 5.000000	5.000000		6.00	0.300000
01014DA	GRAPES-RAISINS	21 COOKED-NFS	4F1437	P 5.000000	5.000000		6.00	0.300000
01014DA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED	4F1437	P 5.000000	5.000000		6.00	0.300000
01014JA	GRAPES-JUICE	10 RAW-FRESH OR NFS	4F1437	P 5.000000	5.000000		6.00	0.300000
01014JA	GRAPES-JUICE	15 RAW-FRESH OR CANNED	4F1437	P 5.000000	5.000000		6.00	0.300000
01014JA	GRAPES-JUICE	21 COOKED-NFS	4F1437	P 5.000000	5.000000		6.00	0.300000
01016AA	STRAWBERRIES	10 RAW-FRESH OR NFS	7F1948	P 2.000000	2.000000		100.00	2.000000
01016AA	STRAWBERRIES	21 COOKED-NFS	7F1948	P 2.000000	2.000000		100.00	2.000000
01016AA	STRAWBERRIES	70 RAW-FROZEN	7F1948	P 2.000000	2.000000		100.00	2.000000
02002AA	GRAPEFRUIT-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	2F1254	P 2.000000	2.000000		100.00	2.000000
02002AB	GRAPEFRUIT-PULP	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		100.00	2.000000
02002AB	GRAPEFRUIT-PULP	21 COOKED-NFS	2F1254	P 2.000000	2.000000		100.00	2.000000
02002JA	GRAPEFRUIT-JUICE	15 RAW-FRESH OR CANNED	2F1254	P 2.000000	2.000000		100.00	2.000000
02002JA	GRAPEFRUIT-JUICE	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		100.00	2.000000
02004AA	LEMONS-UNSPEC	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		100.00	2.000000
02004AA	LEMONS-UNSPEC	22 COOKED-FRESH-BAKED	2F1254	P 2.000000	2.000000		100.00	2.000000
02004AB	LEMONS-PULP	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		100.00	2.000000
02004AB	LEMONS-PULP	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		100.00	2.000000
02004HA	LEMONS-PEEL	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		100.00	2.000000
02004HA	LEMONS-PEEL	21 COOKED-NFS	2F1254	P 2.000000	2.000000		100.00	2.000000
02004JA	LEMONS-JUICE	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		100.00	2.000000
02004JA	LEMONS-JUICE	15 RAW-FRESH OR CANNED	2F1254	P 2.000000	2.000000		100.00	2.000000
02004JA	LEMONS-JUICE	21 COOKED-NFS	2F1254	P 2.000000	2.000000		100.00	2.000000
02004JA	LEMONS-JUICE	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		100.00	2.000000
02006AA	ORANGES-PULP	00 NOT SPECIFIED (NO CONSUMPTION)	2F1254	P 2.000000	2.000000		6.00	0.120000
02006AB	ORANGES-PULP	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		6.00	0.120000
02006AB	ORANGES-PULP	21 COOKED-NFS	2F1254	P 2.000000	2.000000		6.00	0.120000
02006HA	ORANGES-PEEL	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		6.00	0.120000
02006HA	ORANGES-PEEL	22 COOKED-FRESH-BAKED	2F1254	P 2.000000	2.000000		6.00	0.120000
02006HA	ORANGES-PEEL	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		6.00	0.120000
02006JA	ORANGES-JUICE	15 RAW-FRESH OR CANNED	2F1254	P 2.000000	2.000000		6.00	0.120000
02006JA	ORANGES-JUICE	31 COOKED-FRESH OR CANNED	2F1254	P 2.000000	2.000000		6.00	0.120000
02007AA	TANGELOS	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		100.00	2.000000

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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	2yr feeding- dogs NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: Negative- 2 species	Histological changes in the kidney and spleen. No evidence of oncogeni- city in rats or mice.	ADI 100 OPP Rfd= 0.025000 EPA Rfd= 0.025000 WHO Rfd 0.010000 Type: TADI	No data gaps.	TOX complete 3/21/86. ORD verified 4/22/86. WHO last reviewed 1986.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
02008AA	TANGERINES	10 RAW-FRESH OR NFS	2F1254	P 2.000000	2.000000		100.00	2.000000
02008JA	TANGERINE - JUICE	15 RAW-FRESH OR CANNED	2F1254	P 2.000000	2.000000		100.00	2.000000
03008AA	PECANS	10 RAW-FRESH OR NFS	6F1868	P 0.100000	0.100000		4.00	0.004000
03008AA	PECANS	21 COOKED-NFS	6F1868	P 0.100000	0.100000		4.00	0.004000
03008AA	PECANS	22 COOKED-FRESH-BAKED	6F1868	P 0.100000	0.100000		4.00	0.004000
03008AA	PECANS	23 COOKED-FRESH-BOILED	6F1868	P 0.100000	0.100000		4.00	0.004000
03008AA	PECANS	62 COOKED-FRESH OR FROZEN-BAKED	6F1868	P 0.100000	0.100000		4.00	0.004000
04001AA	APPLES-FRESH	10 RAW-FRESH OR NFS	3F1308	P 1.000000	1.000000		23.00	0.230000
04001AA	APPLES-FRESH	21 COOKED-NFS	3F1308	P 1.000000	1.000000		23.00	0.230000
04001AA	APPLES-FRESH	31 COOKED-FRESH OR CANNED	3F1308	P 1.000000	1.000000		23.00	0.230000
04001AA	APPLES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	3F1308	P 1.000000	1.000000		23.00	0.230000
04001DA	APPLES-DRIED	10 RAW-FRESH OR NFS	3F1308	P 1.000000	1.000000		23.00	0.230000
04001DA	APPLES-DRIED	22 COOKED-FRESH-BAKED	3F1308	P 1.000000	1.000000		23.00	0.230000
04001DA	APPLES-DRIED	62 COOKED-FRESH OR FROZEN-BAKED	3F1308	P 1.000000	1.000000		23.00	0.230000
04001JA	APPLES-JUICE	15 RAW-FRESH OR CANNED	3F1308	P 1.000000	1.000000		23.00	0.230000
04001JA	APPLES-JUICE	31 COOKED-FRESH OR CANNED	3F1308	P 1.000000	1.000000		23.00	0.230000
04003AA	PEARS-FRESH	10 RAW-FRESH OR NFS	1E2465	P 4.000000	4.000000		100.00	4.000000
04003AA	PEARS-FRESH	31 COOKED-FRESH OR CANNED	1E2465	P 4.000000	4.000000		100.00	4.000000
04003AA	PEARS-FRESH	51 COOKED-CANNED	1E2465	P 4.000000	4.000000		100.00	4.000000
04003AA	PEARS-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	1E2465	P 4.000000	4.000000		100.00	4.000000
04003DA	PEARS-DRIED	10 RAW-FRESH OR NFS	1E2465	P 4.000000	4.000000		100.00	4.000000
04003DA	PEARS-DRIED	21 COOKED-NFS	1E2465	P 4.000000	4.000000		100.00	4.000000
05003AA	NECTARINES	10 RAW-FRESH OR NFS	2F1246	P 5.000000	5.000000		5.00	0.250000
05004AA	PEACHES-FRESH	10 RAW-FRESH OR NFS	2F1246	P 5.000000	5.000000		5.00	0.250000
05004AA	PEACHES-FRESH	21 COOKED-NFS	2F1246	P 5.000000	5.000000		5.00	0.250000
05004AA	PEACHES-FRESH	31 COOKED-FRESH OR CANNED	2F1246	P 5.000000	5.000000		5.00	0.250000
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS	2F1246	P 5.000000	5.000000		5.00	0.250000
05004DA	PEACHES-DRIED	21 COOKED-NFS	2F1246	P 5.000000	5.000000		5.00	0.250000
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		100.00	0.200000
06015AA	POMEGRANATES	21 COOKED-NFS	6E1661	P 0.200000	0.200000		100.00	0.200000
07006AA	CHICORY	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
10002AA	CANTALOUPE-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	2F1245	P 0.200000	0.200000		100.00	0.200000
10002AB	CANTALOUPE-PULP	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
10002AB	CANTALOUPE-PULP	21 COOKED-NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
10003AA	CASABAS	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
10004AA	CRENSHAW	00 NOT SPECIFIED (NO CONSUMPTION)	2F1245	P 0.200000	0.200000		100.00	0.200000
10005AA	HONEYDEW MELONS	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
10007AA	PERNION MELONS	00 NOT SPECIFIED (NO CONSUMPTION)	2F1245	P 0.200000	0.200000		100.00	0.200000

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253	2yr feeding- dogs NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: Negative- 2 species	Histological changes in the kidney and spleen. No evidence of oncogeni- city in rats or mice.	ADI 100 OPP Rfd= 0.025000 EPA Rfd= 0.025000 WHO Rfd 0.010000 Type: TADI	No data gaps.	TOX complete 3/21/86. ORD verified 4/22/86. WHO last reviewed 1986.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
1008AA	WATERMELON	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
1008AA	WATERMELON	21 COOKED-NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
10010AA	CUCUMBERS	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
10010AA	CUCUMBERS	11 RAW-FRESH-PICKLED, CORNED, OR CURED	2F1245	P 0.200000	0.200000		100.00	0.200000
10010AA	CUCUMBERS	21 COOKED-NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
10011AA	PUMPKIN	21 COOKED-NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
10011AA	PUMPKIN	22 COOKED-FRESH-BAKED	2F1245	P 0.200000	0.200000		100.00	0.200000
10011AA	PUMPKIN	62 COOKED-FRESH OR FROZEN-BAKED	2F1245	P 0.200000	0.200000		100.00	0.200000
10013AA	SQUASH-SUMMER	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
10013AA	SQUASH-SUMMER	21 COOKED-NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
10014AA	SQUASH-WINTER	10 RAW-FRESH OR NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
10014AA	SQUASH-WINTER	21 COOKED-NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
10014AA	SQUASH-WINTER	31 COOKED-FRESH OR CANNED	2F1245	P 0.200000	0.200000		100.00	0.200000
10017AA	BITTER MELON	21 COOKED-NFS	2F1245	P 0.200000	0.200000		100.00	0.200000
10020AA	TOMELGOURD	00 NOT SPECIFIED (NO CONSUMPTION)	2F1245	P 0.200000	0.200000		100.00	0.200000
11001AA	EGPLANT	10 RAW-FRESH OR NFS	9F0814	P 0.200000	0.200000		100.00	0.200000
11001AA	EGPLANT	21 COOKED-NFS	9F0814	P 0.200000	0.200000		100.00	0.200000
11001AA	EGPLANT	25 COOKED-FRESH-FRIED	9F0814	P 0.200000	0.200000		100.00	0.200000
11003AA	PEPPERS, SWEET	10 RAW-FRESH OR NFS	5F1616	P 2.000000	2.000000		100.00	2.000000
11003AA	PEPPERS, SWEET	21 COOKED-NFS	5F1616	P 2.000000	2.000000		100.00	2.000000
11003AB	CHILI PEPPERS	00 NOT SPECIFIED (NO CONSUMPTION)	5F1616	P 2.000000	2.000000		100.00	2.000000
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS	5F1616	P 2.000000	2.000000		100.00	2.000000
11003AD	PEPPERS-OTHER	21 COOKED-NFS	5F1616	P 2.000000	2.000000		100.00	2.000000
11003AD	PEPPERS-OTHER	51 COOKED-CANNED	5F1616	P 2.000000	2.000000		100.00	2.000000
11004AA	PIMIENTOS	10 RAW-FRESH OR NFS	5F1616	P 2.000000	2.000000		100.00	2.000000
11004AA	PIMIENTOS	21 COOKED-NFS	5F1616	P 2.000000	2.000000		100.00	2.000000
11004AA	PIMIENTOS	31 COOKED-FRESH OR CANNED	5F1616	P 2.000000	2.000000		100.00	2.000000
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS	5F1616	P 1.000000	1.000000		32.00	0.320000
11005AA	TOMATOES-WHOLE	21 COOKED-NFS	5F1616	P 1.000000	1.000000		32.00	0.320000
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	5F1616	P 1.000000	1.000000		32.00	0.320000
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS	5F1616	P 1.000000	1.000000		32.00	0.320000
11005JA	TOMATOES-JUICE	21 COOKED-NFS	5F1616	P 1.000000	1.000000		32.00	0.320000
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS	5F1616	P 1.000000	1.000000		32.00	0.320000
11005RA	TOMATOES-PUREE	21 COOKED-NFS	5F1616	P 1.000000	1.000000		32.00	0.320000
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED	5F1616	P 1.000000	1.000000		32.00	0.320000
11005RA	TOMATOES-PUREE	51 COOKED-FRESH OR CANNED-BAKED	5F1616	P 1.000000	1.000000		32.00	0.320000
11005TA	TOMATOES-PASTE	21 COOKED-NFS	5F1616	P 1.000000	1.000000		32.00	0.320000
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED	5F1616	P 1.000000	1.000000		32.00	0.320000
11005TA	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED	5F1616	P 1.000000	1.000000		32.00	0.320000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl #549C Caswell No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253	2yr feeding- dogs NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: Negative- 2 species	Histological changes in the kidney and spleen. No evidence of oncogenicity in rats or mice.	ADI 100 OPP Rfd= 0.025000 EPA Rfd= 0.025000 WHO Rfd 0.010000 Type: TADI	No data gaps.	TOX complete 3/21/86. ORD verified 4/22/86. WHO last reviewed 1986.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
11005UA	TOMATOES-CATSUP	21 COOKED-NFS	5F1616	P 1.000000	1.000000		32.00	0.320000
13001AA	BEETS-TOPS	31 COOKED-FRESH OR CANNED	8E2030	P 6.000000	6.000000		100.00	6.000000
13001AA	BEETS-TOPS	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		100.00	6.000000
13002AA	CELERY	10 RAW-FRESH OR NFS	4F1448	P 3.000000	3.000000		100.00	3.000000
13002AA	CELERY	21 COOKED-NFS	4F1448	P 3.000000	3.000000		100.00	3.000000
13005AA	BROCCOLI	21 COOKED-NFS	4F1448	P 3.000000	3.000000		100.00	3.000000
13005AA	BROCCOLI	31 COOKED-FRESH OR CANNED	4F1448	P 3.000000	3.000000		100.00	3.000000
13005AA	BROCCOLI	63 COOKED-FRESH OR FROZEN-BOILED	4F1448	P 3.000000	3.000000		100.00	3.000000
13006AA	BRUSSEL SPROUTS	21 COOKED-NFS	4F1448	P 2.000000	2.000000		100.00	2.000000
13006AA	BRUSSEL SPROUTS	23 COOKED-FRESH-BOILED	4F1448	P 2.000000	2.000000		100.00	2.000000
13007AA	CABBAGE	10 RAW-FRESH OR NFS	0F0882	P 5.000000	5.000000		100.00	5.000000
13007AA	CABBAGE	11 RAW-FRESH-PICKLED,CORNEED,OR CURED	0F0882	P 5.000000	5.000000		100.00	5.000000
13007AA	CABBAGE	21 COOKED-NFS	0F0882	P 5.000000	5.000000		100.00	5.000000
13008AA	CAULIFLOWER	10 RAW-FRESH OR NFS	4F1448	P 2.000000	2.000000		100.00	2.000000
13008AA	CAULIFLOWER	21 COOKED-NFS	4F1448	P 2.000000	2.000000		100.00	2.000000
13009AA	COLLARDS	51 COOKED-CANNED	8E2030	P 6.000000	6.000000		100.00	6.000000
13009AA	COLLARDS	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		100.00	6.000000
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	9E2135	P 5.000000	5.000000		100.00	5.000000
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	9E2135	P 5.000000	5.000000		100.00	5.000000
13011AA	KALE	63 COOKED-FRESH OR FROZEN-BOILED	8E2030	P 6.000000	6.000000		100.00	6.000000
13012AA	KOHLRABI	21 COOKED-NFS	8F0681	P 0.200000	0.200000		100.00	0.200000
13013AA	LETTUCE-LEAFY	10 RAW-FRESH OR NFS	1F1021	P 5.000000	5.000000		100.00	5.000000
13014AA	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	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		100.00	5.000000
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		100.00	6.000000
13022AA	PARSLEY	21 COOKED-NFS	8E2030	P 6.000000	6.000000		100.00	6.000000
13022AA	PARSLEY	53 COOKED-CANNED-BOILED	8E2030	P 6.000000	6.000000		100.00	6.000000
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		100.00	6.000000
13024AA	SPINACH	21 COOKED-NFS	4F1448	P 6.000000	6.000000		100.00	6.000000
13024AA	SPINACH	31 COOKED-FRESH OR CANNED	4F1448	P 6.000000	6.000000		100.00	6.000000
13025AA	SWISS CHARD	10 RAW-FRESH OR NFS	8E2030	P 6.000000	6.000000		100.00	6.000000

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253	2yr feeding- dogs NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: Negative- 2 species	Histological changes in the kidney and spleen. No evidence of oncogenicity in rats or mice.	ADI 100 OPP Rfd= 0.025000 EPA Rfd= 0.025000 WHO Rfd 0.010000 Type: TADI	No data gaps.	TOX complete 3/21/86. ORD verified 4/22/86. WHO last reviewed 1986.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
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
13027AA	WATERCRESS	10 RAW-FRESH OR NFS	8E2030	P 6.000000	6.000000		100.00	6.000000
13027AA	WATERCRESS	21 COOKED-NFS	8E2030	P 6.000000	6.000000		100.00	6.000000
13045AA	LETTUCE-HEAD	10 RAW-FRESH OR NFS	1F1021	P 5.000000	5.000000		100.00	5.000000
13045AA	LETTUCE-HEAD	21 COOKED-NFS	1F1021	P 5.000000	5.000000		100.00	5.000000
14001AA	BEETS-ROOTS	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14001AA	BEETS-ROOTS	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14001AA	BEETS-ROOTS	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	0F0886	P 0.200000	0.200000		100.00	0.200000
14001AA	BEETS-ROOTS	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		100.00	0.200000
14003AA	CARROTS	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14003AA	CARROTS	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14003AA	CARROTS	23 COOKED-FRESH-BOILED	0F0886	P 0.200000	0.200000		100.00	0.200000
14003AA	CARROTS	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		100.00	0.200000
14003AA	CARROTS	51 COOKED-CANNED	0F0886	P 0.200000	0.200000		100.00	0.200000
14007AA	GARLIC	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14007AA	GARLIC	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14007AA	GARLIC	32 COOKED-FRESH OR CANNED-BAKED	0F0886	P 0.200000	0.200000		100.00	0.200000
14010AA	LEEKS	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		100.00	0.200000
14011AA	ONIONS-DRY-BULB	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14011AA	ONIONS-DRY-BULB	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14011AA	ONIONS-DRY-BULB	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		100.00	0.200000
14011AA	ONIONS-DRY-BULB	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		100.00	0.200000
14011DA	ONIONS-DRY	12 RAW-FRESH-DRIED	0F0886	P 0.200000	0.200000		100.00	0.200000
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		2.00	0.004000
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	0F0886	P 0.200000	0.200000		2.00	0.004000
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		2.00	0.004000
14013AB	POTATO(WH)-UNSPEC	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		2.00	0.004000
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	0F0886	P 0.200000	0.200000		2.00	0.004000
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		2.00	0.004000
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOILED	0F0886	P 0.200000	0.200000		2.00	0.004000
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	0F0886	P 0.200000	0.200000		2.00	0.004000
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	0F0886	P 0.200000	0.200000		2.00	0.004000
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		2.00	0.004000
14013HA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		2.00	0.004000
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

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 549C

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl #549C Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253	2yr feeding- dogs NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: Negative- 2 species	Histological changes in the kidney and spleen. No evidence of oncogenicity in rats or mice.	ADI 100 OPP RfD= 0.025000 EPA RfD= 0.025000 WHO RfD 0.010000 Type: TADI	No data gaps.	TOX complete 3/21/86. ORD verified 4/22/86. WHO last reviewed 1986.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
14015AA	RUTABAGAS-ROOTS	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
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		100.00	0.200000
14018AA	SWEETPOTATOES	21 COOKED-NFS	0F0886	P 0.200000	0.200000		100.00	0.200000
14018AA	SWEETPOTATOES	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		100.00	0.200000
14018AA	SWEETPOTATOES	51 COOKED-CANNED	0F0886	P 0.200000	0.200000		100.00	0.200000
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
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
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		100.00	2.000000
15002AA	BEANS-SUCC-LIMA	21 COOKED-NFS	1F1021	P 2.000000	2.000000		100.00	2.000000
15003AA	BEANS-SUCC-GREEN	21 COOKED-NFS	1F1021	P 2.000000	2.000000		100.00	2.000000
15003AB	BEANS-SUCC-OTH	10 RAW-FRESH OR NFS	1F1021	P 2.000000	2.000000		100.00	2.000000
15003AB	BEANS-SUCC-OTH	21 COOKED-NFS	1F1021	P 2.000000	2.000000		100.00	2.000000
15003AC	BEANS-SUCC-WAX	21 COOKED-NFS	1F1021	P 2.000000	2.000000		100.00	2.000000
15004AA	CORN,POP	21 COOKED-NFS	8F0677	P 0.100000	0.100000		100.00	0.100000
15005AA	CORN,SHEET	10 RAW-FRESH OR NFS	8F0677	P 0.100000	0.100000		37.00	0.037000
15005AA	CORN,SHEET	21 COOKED-NFS	8F0677	P 0.100000	0.100000		37.00	0.037000
15005AA	CORN,SHEET	31 COOKED-FRESH OR CANNED	8F0677	P 0.100000	0.100000		19.00	0.019000
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	1F1158	P 0.100000	0.100000		19.00	0.019000
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	1F1158	P 0.100000	0.100000		19.00	0.019000
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED	1F1158	P 0.100000	0.100000		19.00	0.019000
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		100.00	5.000000
15009AA	PEAS SUCC-GARDEN	31 COOKED-FRESH OR CANNED	1F1021	P 5.000000	5.000000		100.00	5.000000
15011AA	LENTILES-WHOLE	21 COOKED-FRESH OR CANNED	8E2126	P 0.100000	0.100000		100.00	0.100000
15011AB	LENTILES-SPLIT	31 COOKED-NFS	8E2126	P 0.100000	0.100000		100.00	0.100000
15013AA	MUNG BEANS	10 RAW-FRESH OR NFS	4F1437	P 0.100000	0.100000		1.00	0.001000
15013AA	MUNG BEANS	21 COOKED-NFS	4F1437	P 0.100000	0.100000		1.00	0.001000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 549C

DATE: 11/03/87

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Methomyl Caswell #549C CAS No. 16752-77-5 A.I. CODE: 090301 CFR No. 180.253	2yr feeding- dogs NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: Negative- 2 species	Histological changes in the kidney and spleen. No evidence of oncogenicity in rats or mice.	ADI 100 OPP Rfd= 0.025000 EPA Rfd= 0.025000 WHO Rfd 0.010000 Type: TADI	No data gaps.	TOX complete 3/21/86. ORD verified 4/22/86. WHO last reviewed 1986.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	4F1437	P 0.100000	0.100000		1.00	0.001000
15022AB	BEANS-SUCC-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	1F1021	P 2.000000	2.000000		100.00	2.000000
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		100.00	2.000000
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		100.00	2.000000
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		100.00	2.000000
16002AA	ASPARAGUS	23 COOKED-FRESH-BOILED	6F1664	P 2.000000	2.000000		100.00	2.000000
16004AA	ONIONS-GREEN	10 RAW-FRESH OR NFS	9E2164	P 3.000000	3.000000		100.00	3.000000
16004AA	ONIONS-GREEN	21 COOKED-NFS	9E2164	P 3.000000	3.000000		100.00	3.000000
16004AA	ONIONS-GREEN	25 COOKED-FRESH-FRIED	9E2164	P 3.000000	3.000000		100.00	3.000000
24001AA	BARLEY	21 COOKED-NFS	5F1615	P 1.000000	1.000000		100.00	1.000000
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		100.00	1.000000
24003AA	OATS	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		100.00	1.000000
24003AA	OATS	23 COOKED-FRESH-BOILED	5F1615	P 1.000000	1.000000		100.00	1.000000
24005AA	RYE-ROUGH	00 NOT SPECIFIED (NO CONSUMPTION)	5F1615	P 1.000000	1.000000		100.00	1.000000
24005AA	RYE-GERM	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		100.00	1.000000
24005AA	RYE-FLOUR	21 COOKED-NFS	5F1615	P 1.000000	1.000000		100.00	1.000000
24005AA	RYE-FLOUR	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		100.00	1.000000
24006AA	SORGHUM	00 NOT SPECIFIED (NO CONSUMPTION)	3F1307	P 0.200000	0.200000		1.00	0.002000
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

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	2yr feeding- dogs NOEL= 2.5000 mg/kg 100.00 ppm LEL= 10.0000 mg/kg 400.00 ppm ONCO: Negative- 2 species	Histological changes in the kidney and spleen. No evidence of oncogenicity in rats or mice.	ADI 100 OPP Rfd= 0.025000 EPA Rfd= 0.025000 WHO Rfd 0.010000 Type: TADI	No data gaps.	TOX complete 3/21/86. ORD verified 4/22/86. WHO last reviewed 1986.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
24007HA	WHEAT-BRAN	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		1.00	0.010000
24007WA	WHEAT-FLOUR	10 RAW-FRESH OR NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007MA	WHEAT-FLOUR	21 COOKED-NFS	5F1615	P 1.000000	1.000000		1.00	0.010000
24007FA	WHEAT-FLOUR	22 COOKED-FRESH-BAKED	5F1615	P 1.000000	1.000000		1.00	0.010000
24007BA	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		3.00	0.006000
25002BA	BEEET SUGAR	21 COOKED-NFS	0F0886	P 0.200000	0.200000		3.00	0.006000
25002FA	BEEET SUGAR	22 COOKED-FRESH-BAKED	0F0886	P 0.200000	0.200000		3.00	0.006000
25002MA	BEEET SUGAR	31 COOKED-FRESH OR CANNED	0F0886	P 0.200000	0.200000		3.00	0.006000
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		2.00	0.002000
270030A	COTTONSEED-MEAL	18 PROCESSED OIL	1F1162	P 0.100000	0.100000		2.00	0.002000
270070A	PEANUTS-OIL	18 PROCESSED OIL	1F1158	P 0.100000	0.100000		19.00	0.019000
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
28023WA	SOY-FL, FULL FAT	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