US EPA ARCHIVE DOCUMENT

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

MAY 21 1991

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Dietary Exposure Analyses for the Proposed Uses of Benomyl on Fresh Mint, Permethrin in/on [redacted] and Cyromazine in/on [redacted]

FROM: Stephen A. Schaible
HED/SACB (H7509C)

THROUGH: James P. Kariya
Chief, Dietary Exposure Section
Health Effects Division

TO: Andrea S. Beard, PM 43
Emergency Response and
Minor Use Section/ RSB
Registration Division (H7505C)

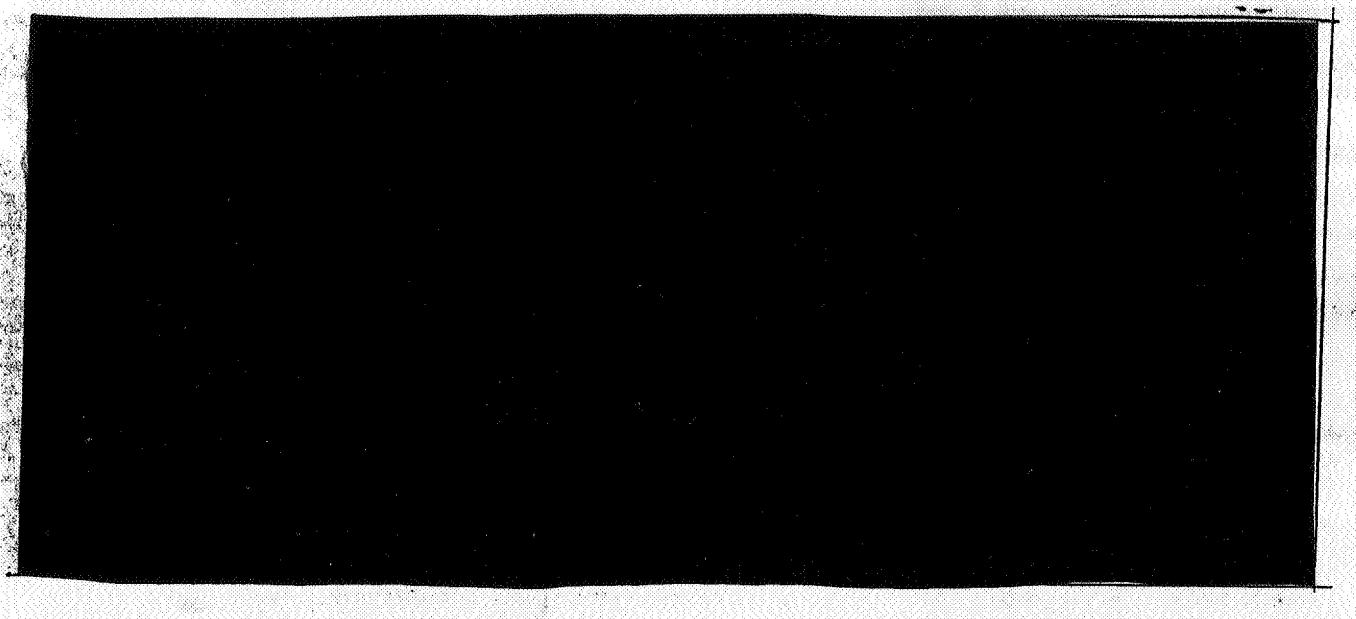
Action Requested

Provide dietary exposure analyses and carcinogenic risk estimates for the proposed uses of Permethrin on [redacted], Cyromazine on [redacted], and Benomyl on fresh mint.

Response

[redacted]

PENDING REGISTRATION INFORMATION IS NOT INCLUDED



Benomyl on Fresh Mint

1. Toxicological Endpoint: The routine chronic DRES analysis used a Reference Dose (RfD) of 0.05 mg/kg body weight/day, based on a no observed effect level (NOEL) of 5.0 mg/kg bwt/day and an uncertainty factor of 100. The NOEL was based on a three generation rat reproduction study which demonstrated decreased pup body weights. The RfD has been approved by both the HED (3/7/86) and Agency (3/26/86) Reference Dose committees.

The benomyl metabolite methyl-2-benzimidazole carbamate (MBC) has been classified as a Class C (possible human) carcinogen with an upper bound potency estimate (Q_1^*) of 4.2×10^{-3} $(mg/kg/day)^{-1}$ by the Science Advisory Panel. Benomyl rapidly and completely degrades to MBC.

2. Residue Information: Food uses evaluated were published tolerances from 40 CFR 180.294 and the proposed uses of benomyl and its metabolites containing the benzimidazole moiety on fresh mint. Published uses in the CFR registered as seed crops or not registered for use crops were left out of the analysis, following the precedent set in the special review of this chemical and its metabolite. Percent crop treated data were supplied by the Biological and Economical Analysis Division (BEAD) (Lyn Luben, 11/30/89) and anticipated residues were estimated by Dynamac Corporation and approved by the Dietary Exposure Branch (see Richard Schmitt memo to Reto Engler, 4/2/90). A summary of the residue information used in this analysis is attached as Table 1.

3. Exposure Analysis: The DRES chronic exposure analysis for benomyl used tolerance level residues and 100% crop treated to estimate the Total Maximum Residue Contribution (TMRC) for the overall U.S. population and 22 population subgroups, which along with the Anticipated Residue Contribution (ARC), are summarized in Table 2.

The ARC for this analysis was calculated using percent crop treated and anticipated residue data. The ARC is generally considered to more accurately characterize the exposure through the diet than the TMRC.

The ARC for the overall U.S. population from published uses was 0.000431 mg/kg bwt/day, which represents 1% of the RfD. The proposed tolerance on fresh mint has a contribution of less than 0.000001 mg/kg bwt/day and therefore does not raise the ARC or the percent RfD. The subgroup most highly exposed to benomyl, non-nursing infants less than one year old, has an ARC of 0.001441 mg/kg bwt/day, or 3% of the RfD (with the proposed petition having no contribution to the ARC or RfD).

4. Carcinogenic Risk: The upper bound carcinogenic risk for benomyl and its metabolites containing the benzimidazole moiety was calculated for the overall U.S. population by multiplying the ARC exposure estimate by the upper bound potency estimate (Q*) or 0.0042 $(mg/kg/day)^{-1}$. The risk assessment, assuming a 70 year exposure, was approximately 2×10^{-6}, with the proposed use on fresh mint contributing 8×10^{-11} of this risk. Though this risk estimate exceeds the de minimis level generally considered as negligible by the Agency, the great majority of this risk is not due to the proposed use.

5. Comments: Though the chronic risk through the diet to benomyl and its metabolites containing the benzimidazole moiety is minimal, the carcinogenic risk exceeds the de minimis level, and therefore we would recommend caution in granting this tolerance. We acknowledge that both the chronic and carcinogenic risk estimates are possibly overestimated due to assumptions made in the analyses (tolerance level residues for mint, 100% crop treated for several commodities) and that the contribution from this petition represents only a fraction of the total carcinogenic risk, but still recommend caution based on the magnitude of the risk number.

Attachments

cc: DES, CBTS, Tox 2, F. Chow, Caswell #'s 075A, 167B, and 652BB

RIN 8424-91

Page_____ is not included in this copy.

Pages 4 through 9 are not included.

The material not included contains the following type of information:

____ Identity of product inert ingredients.

____ Identity of product impurities.

____ Description of the product manufacturing process.

____ Description of quality control procedures.

____ Identity of the source of product ingredients.

____ Sales or other commercial/financial information.

____ A draft product label.

____ The product confidential statement of formula.

____ Information about a pending registration action.

____ FIFRA registration data.

____ The document is a duplicate of page(s) _____.

✓ The document is not responsive to the request.

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.

TABLE 1

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 075A

DATE: 05/17/91 PAGE: 1

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
01002AA	BLACKBERRIES	10 RAW-FRESH OR NFS		P 7.000000	2.010000		60.00	1.206000
01002AA	BLACKBERRIES	21 COOKED-NFS		P 7.000000	2.010000		60.00	1.206000
01002AA	BLACKBERRIES	62 COOKED-FRESH OR FROZEN-BAKED		P 7.000000	2.010000		60.00	1.206000
01003AA	BOYSENBERRIES	10 RAW-FRESH OR NFS		P 7.000000	2.010000		1.00	0.020100
01004AA	DEWBERRIES	00 NOT SPECIFIED		P 7.000000	2.010000		5.00	0.100500
01005AA	LOGANBERRIES	00 NOT SPECIFIED		P 7.000000	2.010000		5.00	0.100500
01006AA	RASPBERRIES	10 RAW-FRESH OR NFS		P 7.000000	2.010000		17.00	0.341700
01006AA	RASPBERRIES	15 RAW-FRESH OR CANNED		P 7.000000	2.010000		17.00	0.341700
01006AA	RASPBERRIES	31 COOKED-FRESH OR CANNED		P 7.000000	2.010000		17.00	0.341700
01006AA	RASPBERRIES	62 COOKED-FRESH OR FROZEN-BAKED		P 7.000000	2.010000		17.00	0.341700
01006AA	RASPBERRIES	70 RAW-FROZEN		P 7.000000	2.010000		17.00	0.341700
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS		P 7.000000	2.860000		13.00	0.371800
01009AA	BLUEBERRIES	21 COOKED-NFS		P 7.000000	2.860000		13.00	0.371800
01009AA	BLUEBERRIES	22 COOKED-FRESH-BAKED		P 7.000000	2.860000		13.00	0.371800
01009AA	BLUEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED		P 7.000000	2.860000		13.00	0.371800
01011AA	CURRANTS	10 RAW-FRESH OR NFS		P 7.000000	2.860000		30.00	0.858000
01011AA	CURRANTS	21 COOKED-NFS		P 7.000000	2.860000		30.00	0.858000
01011AA	CURRANTS	22 COOKED-FRESH-BAKED		P 7.000000	2.860000		30.00	0.858000
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS		P 10.00000	1.100000		30.00	0.330000
01014AA	GRAPES-FRESH	21 COOKED-NFS		P 10.00000	1.100000		30.00	0.330000
01014AA	GRAPES-FRESH	31 COOKED-FRESH OR CANNED		P 10.00000	1.100000		30.00	0.330000
01014DA	GRAPES-RAISINS	10 RAW-FRESH OR NFS		P 50.00000	5.840000C		30.00	1.752000
01014DA	GRAPES-RAISINS	21 COOKED-NFS		P 50.00000	5.840000C		30.00	1.752000
01014DA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED		P 50.00000	5.840000C		30.00	1.752000
01014JA	GRAPES-JUICE	10 RAW-FRESH OR NFS		P 10.00000	1.100000		30.00	0.330000
01014JA	GRAPES-JUICE	15 RAW-FRESH OR CANNED		P 10.00000	1.100000		30.00	0.330000
01014JA	GRAPES-JUICE	21 COOKED-NFS		P 10.00000	1.100000		30.00	0.330000
01016AA	STRAWBERRIES	10 RAW-FRESH OR NFS		P 5.000000	1.060000		75.00	0.795000
01016AA	STRAWBERRIES	21 COOKED-NFS		P 5.000000	1.060000		75.00	0.795000
01016AA	STRAWBERRIES	70 RAW-FROZEN		P 5.000000	1.060000		75.00	0.795000
02001AA	CITRUS CITRON	22 COOKED-FRESH-BAKED		P 10.00000	0.336000		8.00	0.026880
02002AA	GRAPEFRUIT-UNSP	00 NOT SPECIFIED		P 10.00000	0.336000		10.00	0.033600
02002AB	GRAPEFRUIT-PULP	10 RAW-FRESH OR NFS		P 10.00000	0.194000		10.00	0.019400
02002AB	GRAPEFRUIT-PULP	21 COOKED-NFS		P 10.00000	0.194000		10.00	0.019400
02002JA	GRAPEFRUIT-JUICE	15 RAW-FRESH OR CANNED		P 10.00000	0.006000C		10.00	0.000600
02002JA	GRAPEFRUIT-JUICE	31 COOKED-FRESH OR CANNED		P 10.00000	0.006000C		10.00	0.000600
02003AA	KUMQUATS	10 RAW-FRESH OR NFS		P 10.00000	0.336000		2.00	0.006720
02004AA	LEMONS-UNSPEC	10 RAW-FRESH OR NFS		P 10.00000	0.336000		2.00	0.006720
02004AA	LEMONS-UNSPEC	22 COOKED-FRESH-BAKED		P 10.00000	0.336000		2.00	0.006720
02004AB	LEMONS-PULP	10 RAW-FRESH OR NFS		P 10.00000	0.194000		2.00	0.003880

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 075A DATE: 05/17/91 PAGE: 2

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. 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)
02004AB	LEMONS-PULP	31 COOKED-FRESH OR CANNED		P 10.00000	0.194000		2.00	0.003880
02004HA	LEMONS-PEEL	10 RAW-FRESH OR NFS		P 10.00000	0.336000		2.00	0.006720
02004HA	LEMONS-PEEL	21 COOKED-NFS		P 10.00000	0.336000		2.00	0.006720
02004JA	LEMONS-JUICE	10 RAW-FRESH OR NFS		P 10.00000	0.006000C		2.00	0.000120
02004JA	LEMONS-JUICE	15 RAW-FRESH OR CANNED		P 10.00000	0.006000C		2.00	0.000120
02004JA	LEMONS-JUICE	21 COOKED-NFS		P 10.00000	0.006000C		2.00	0.000120
02004JA	LEMONS-JUICE	31 COOKED-FRESH OR CANNED		P 10.00000	0.006000C		2.00	0.000120
02005AA	LIMES-UNSPEC	00 NOT SPECIFIED		P 10.00000	0.336000		2.00	0.006720
02005AB	LIMES-PULP	10 RAW-FRESH OR NFS		P 10.00000	0.194000		2.00	0.003880
02005HA	LIMES-PEEL	21 COOKED-NFS		P 10.00000	0.336000		2.00	0.006720
02005JA	LIMES-JUICE	10 RAW-FRESH OR NFS		P 10.00000	0.006000C		2.00	0.000120
02005JA	LIMES-JUICE	15 RAW-FRESH OR CANNED		P 10.00000	0.006000C		2.00	0.000120
02005JA	LIMES-JUICE	31 COOKED-FRESH OR CANNED		P 10.00000	0.006000C		2.00	0.000120
02006AA	ORANGES-UNSPEC	00 NOT SPECIFIED		P 10.00000	0.336000		8.00	0.026880
02006AB	ORANGES-PULP	10 RAW-FRESH OR NFS		P 10.00000	0.194000		8.00	0.015520
02006AB	ORANGES-PULP	21 COOKED-NFS		P 10.00000	0.194000		8.00	0.015520
02006HA	ORANGES-PEEL	21 COOKED-NFS		P 10.00000	0.336000		8.00	0.026880
02006HA	ORANGES-PEEL	22 COOKED-FRESH-BAKED		P 10.00000	0.336000		8.00	0.026880
02006HA	ORANGES-PEEL	31 COOKED-FRESH OR CANNED		P 10.00000	0.336000		8.00	0.026880
02006JA	ORANGES-JUICE	15 RAW-FRESH OR CANNED		P 10.00000	0.006000C		8.00	0.000480
02006JA	ORANGES-JUICE	31 COOKED-FRESH OR CANNED		P 10.00000	0.006000C		8.00	0.000480
02007AA	TANGELOS	10 RAW-FRESH OR NFS		P 10.00000	0.336000		8.00	0.026880
02008AA	TANGERINES	10 RAW-FRESH OR NFS		P 10.00000	0.336000		8.00	0.026880
02008JA	TANGERINE-JUICE	15 RAW-FRESH OR CANNED		P 10.00000	0.006000C		8.00	0.000480
03001AA	ALMONDS	10 RAW-FRESH OR NFS		P 0.200000	0.058000		30.00	0.017400
03001AA	ALMONDS	21 COOKED-NFS		P 0.200000	0.058000		30.00	0.017400
03001AA	ALMONDS	22 COOKED-FRESH-BAKED		P 0.200000	0.058000		30.00	0.017400
03008AA	PECANS	10 RAW-FRESH OR NFS		P 0.200000	0.039000		25.00	0.009750
03008AA	PECANS	21 COOKED-NFS		P 0.200000	0.039000		25.00	0.009750
03008AA	PECANS	22 COOKED-FRESH-BAKED		P 0.200000	0.039000		25.00	0.009750
03008AA	PECANS	23 COOKED-FRESH-BOILED		P 0.200000	0.039000		25.00	0.009750
03008AA	PECANS	62 COOKED-FRESH OR FROZEN-BAKED		P 0.200000	0.039000		25.00	0.009750
03011AA	PISTACHIO NUTS	10 RAW-FRESH OR NFS		P 0.200000	0.039000		25.00	0.009750
04001AA	APPLES-FRESH	10 RAW-FRESH OR NFS		P 7.000000	0.670000		25.00	0.167500
04001AA	APPLES-FRESH	21 COOKED-NFS		P 7.000000	0.670000		25.00	0.167500
04001AA	APPLES-FRESH	31 COOKED-FRESH OR CANNED		P 7.000000	0.670000		25.00	0.167500
04001AA	APPLES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED		P 7.000000	0.670000		25.00	0.167500
04001DA	APPLES-DRIED	10 RAW-FRESH OR NFS		P 7.000000	1.700000		25.00	0.425000
04001DA	APPLES-DRIED	22 COOKED-FRESH-BAKED		P 7.000000	1.700000		25.00	0.425000
04001DA	APPLES-DRIED	62 COOKED-FRESH OR FROZEN-BAKED		P 7.000000	1.700000		25.00	0.425000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 075A DATE: 05/17/91 PAGE: 3

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. 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)
04001JA	APPLES-JUICE	15 RAW-FRESH OR CANNED		P 7.000000	0.230000C		25.00	0.057500
04001JA	APPLES-JUICE	31 COOKED-FRESH OR CANNED		P 7.000000	0.230000C		25.00	0.057500
04003AA	PEARS-FRESH	10 RAW-FRESH OR NFS		P 7.000000	0.530000		15.00	0.079500
04003AA	PEARS-FRESH	31 COOKED-FRESH OR CANNED		P 7.000000	0.530000		15.00	0.079500
04003AA	PEARS-FRESH	51 COOKED-CANNED		P 7.000000	0.530000		15.00	0.079500
04003AA	PEARS-FRESH	62 COOKED-FRESH OR FROZEN-BAKED		P 7.000000	0.530000		15.00	0.079500
04003DA	PEARS-DRIED	10 RAW-FRESH OR NFS		P 7.000000	0.530000		15.00	0.079500
04003DA	PEARS-DRIED	21 COOKED-NFS		P 7.000000	0.530000		15.00	0.079500
05001AA	APRICOTS-FRESH	10 RAW-FRESH OR NFS		P 15.00000	0.874000		1.00	0.008740
05001AA	APRICOTS-FRESH	21 COOKED-NFS		P 15.00000	0.874000		1.00	0.008740
05001AA	APRICOTS-FRESH	31 COOKED-FRESH OR CANNED		P 15.00000	0.874000		1.00	0.008740
05001DA	APRICOTS-DRIED	10 RAW-FRESH OR NFS		P 15.00000	2.180000C		1.00	0.021800
05001DA	APRICOTS-DRIED	22 COOKED-FRESH-BAKED		P 15.00000	2.180000C		1.00	0.021800
05002AA	CHERRIES-FRESH	10 RAW-FRESH OR NFS		P 15.00000	2.030000		17.00	0.345100
05002AA	CHERRIES-FRESH	21 COOKED-NFS		P 15.00000	2.030000		17.00	0.345100
05002AA	CHERRIES-FRESH	31 COOKED-FRESH OR CANNED		P 15.00000	2.030000		17.00	0.345100
05002AA	CHERRIES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED		P 15.00000	2.030000		17.00	0.345100
05002DA	CHERRIES-DRIED	00 NOT SPECIFIED		P 15.00000	5.075000C		17.00	0.862750
05002JA	CHERRIES-JUICE	15 RAW-FRESH OR CANNED		P 15.00000	2.030000		17.00	0.345100
05002JA	CHERRIES-JUICE	21 COOKED-NFS		P 15.00000	2.030000		17.00	0.345100
05003AA	NECTARINES	10 RAW-FRESH OR NFS		P 15.00000	0.874000		1.00	0.008740
05004AA	PEACHES-FRESH	10 RAW-FRESH OR NFS		P 15.00000	0.874000		50.00	0.437000
05004AA	PEACHES-FRESH	21 COOKED-NFS		P 15.00000	0.003400		50.00	0.001700
05004AA	PEACHES-FRESH	31 COOKED-FRESH OR CANNED		P 15.00000	0.003400		50.00	0.001700
05004AA	PEACHES-FRESH	51 COOKED-CANNED		P 15.00000	0.003400		50.00	0.001700
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS		P 15.00000	0.660000C		50.00	0.330000
05004DA	PEACHES-DRIED	21 COOKED-NFS		P 15.00000	0.660000C		50.00	0.330000
05005AA	PLUMS-FRESH	10 RAW-FRESH OR NFS		P 15.00000	0.632000		40.00	0.252800
05005AA	PLUMS-FRESH	31 COOKED-FRESH OR CANNED		P 15.00000	0.632000		40.00	0.252800
05005DA	PLUMS-PRUNES	10 RAW-FRESH OR NFS		P 15.00000	2.534000C		40.00	1.013600
05005DA	PLUMS-PRUNES	21 COOKED-NFS		P 15.00000	2.534000C		40.00	1.013600
05005DA	PLUMS-PRUNES	31 COOKED-FRESH OR CANNED		P 15.00000	2.534000C		40.00	1.013600
05005JA	PRUNE-JUICE	10 RAW-FRESH OR NFS		P 15.00000	2.530000C		40.00	1.012000
05005JA	PRUNE-JUICE	62 COOKED-FRESH OR FROZEN-BAKED		P 15.00000	2.530000C		40.00	1.012000
06001AA	AVOCADOS	10 RAW-FRESH OR NFS		P 3.000000	0.092000		12.00	0.011040
06002AA	BANANAS-UNSPEC	22 COOKED-FRESH-BAKED		P 0.200000	0.055000		100.00	0.055000
06002AB	BANANAS-FRESH	10 RAW-FRESH OR NFS		P 0.200000	0.055000		100.00	0.055000
06002AB	BANANAS-FRESH	21 COOKED-NFS		P 0.200000	0.055000		100.00	0.055000
06002AB	BANANAS-FRESH	31 COOKED-FRESH OR CANNED		P 0.200000	0.055000		100.00	0.055000
06007AA	MANGOES	10 RAW-FRESH OR NFS		P 3.000000	0.293000		95.00	0.278350

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 075A DATE: 05/17/91 PAGE: 4

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. 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)
06007AA	MANGOES	21 COOKED-NFS		P 3.000000	0.293000		95.00	0.278350
06016AA	PLANTAINS	21 COOKED-NFS		P 0.200000	0.055000		100.00	0.055000
06016AA	PLANTAINS	23 COOKED-FRESH-BOILED		P 0.200000	0.055000		100.00	0.055000
06016AA	PLANTAINS	25 COOKED-FRESH-FRIED		P 0.200000	0.055000		100.00	0.055000
08048DA	PAPRIKA	00 NOT SPECIFIED		P 0.200000	0.200000		100.00	0.200000
10002AA	CANTALOUPES-UNSP	00 NOT SPECIFIED		P 1.000000	0.034000		50.00	0.017000
10002AB	CANTALOUPES-PULP	10 RAW-FRESH OR NFS		P 1.000000	0.034000		50.00	0.017000
10002AB	CANTALOUPES-PULP	21 COOKED-NFS		P 1.000000	0.034000		50.00	0.017000
10003AA	CASABAS	10 RAW-FRESH OR NFS		P 1.000000	0.034000		50.00	0.017000
10004AA	CRENSHAWS	00 NOT SPECIFIED		P 1.000000	0.034000		50.00	0.017000
10005AA	HONEYDEW MELONS	10 RAW-FRESH OR NFS		P 1.000000	0.034000		50.00	0.017000
10007AA	PERSION MELONS	00 NOT SPECIFIED		P 1.000000	0.034000		50.00	0.017000
10008AA	WATERMELON	10 RAW-FRESH OR NFS		P 1.000000	0.034000		50.00	0.017000
10008AA	WATERMELON	21 COOKED-NFS		P 1.000000	0.034000		50.00	0.017000
10010AA	CUCUMBERS	10 RAW-FRESH OR NFS		P 1.000000	0.158000		20.00	0.031600
10010AA	CUCUMBERS	11 RAW-FRESH-PICKLED,CORNED,OR CURED		P 1.000000	0.158000		20.00	0.031600
10010AA	CUCUMBERS	21 COOKED-NFS		P 1.000000	0.158000		20.00	0.031600
10011AA	PUMPKIN	21 COOKED-NFS		P 1.000000	0.034000		1.00	0.000340
10011AA	PUMPKIN	22 COOKED-FRESH-BAKED		P 1.000000	0.034000		1.00	0.000340
10011AA	PUMPKIN	62 COOKED-FRESH OR FROZEN-BAKED		P 1.000000	0.034000		1.00	0.000340
10013AA	SQUASH-SUMMER	10 RAW-FRESH OR NFS		P 1.000000	0.158000		20.00	0.031600
10013AA	SQUASH-SUMMER	21 COOKED-NFS		P 1.000000	0.158000		20.00	0.031600
10014AA	SQUASH-WINTER	10 RAW-FRESH OR NFS		P 1.000000	0.034000		20.00	0.006800
10014AA	SQUASH-WINTER	21 COOKED-NFS		P 1.000000	0.034000		20.00	0.006800
10014AA	SQUASH-WINTER	31 COOKED-FRESH OR CANNED		P 1.000000	0.034000		20.00	0.006800
10017AA	BITTER MELON	21 COOKED-NFS		P 1.000000	0.034000		50.00	0.017000
10020AA	TOWELGOURD	00 NOT SPECIFIED		P 1.000000	1.000000		20.00	0.200000
11003AA	PEPPERS,SWEET	10 RAW-FRESH OR NFS		P 0.200000	0.050000		1.00	0.000500
11003AA	PEPPERS,SWEET	21 COOKED-NFS		P 0.200000	0.050000		1.00	0.000500
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS		P 5.000000	0.196000		40.00	0.078400
11005AA	TOMATOES-WHOLE	21 COOKED-NFS		P 5.000000	0.196000		40.00	0.078400
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED		P 5.000000	0.196000		40.00	0.078400
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS		P 50.00000	0.161000C		40.00	0.064400
11005JA	TOMATOES-JUICE	21 COOKED-NFS		P 50.00000	0.161000C		40.00	0.064400
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS		P 50.00000	0.012000C		40.00	0.004800
11005RA	TOMATOES-PUREE	21 COOKED-NFS		P 50.00000	0.012000C		40.00	0.004800
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED		P 50.00000	0.012000C		40.00	0.004800
11005RA	TOMATOES-PUREE	32 COOKED-FRESH OR CANNED-BAKED		P 50.00000	0.012000C		40.00	0.004800
11005RA	TOMATOES-PUREE	51 COOKED-CANNED		P 50.00000	0.012000C		40.00	0.004800
11005TA	TOMATOES-PASTE	21 COOKED-NFS		P 50.00000	0.426000C		40.00	0.170400

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 075A DATE: 05/17/91 PAGE: 5

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED		P 50.00000	0.426000C		40.00	0.170400
11005TA	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED		P 50.00000	0.426000C		40.00	0.170400
11005UA	TOMATOES-CATSUP	21 COOKED-NFS		P 50.00000	0.023000C		40.00	0.009200
13002AA	CELERY	10 RAW-FRESH OR NFS		P 3.000000	0.245000		60.00	0.147000
13002AA	CELERY	21 COOKED-NFS		P 3.000000	0.245000		60.00	0.147000
14003AA	CARROTS	10 RAW-FRESH OR NFS		P 0.200000	0.033000		1.00	0.000330
14003AA	CARROTS	21 COOKED-NFS		P 0.200000	0.033000		1.00	0.000330
14003AA	CARROTS	23 COOKED-FRESH-BOILED		P 0.200000	0.033000		1.00	0.000330
14003AA	CARROTS	31 COOKED-FRESH OR CANNED		P 0.200000	0.033000		1.00	0.000330
14003AA	CARROTS	51 COOKED-CANNED		P 0.200000	0.033000		1.00	0.000330
14018AA	SWEETPOTATOES	21 COOKED-NFS		P 0.200000	0.008000		1.00	0.000080
14018AA	SWEETPOTATOES	31 COOKED-FRESH OR CANNED		P 0.200000	0.008000		1.00	0.000080
14018AA	SWEETPOTATOES	51 COOKED-CANNED		P 0.200000	0.008000		1.00	0.000080
15001AA	BEANS-DRY-GRT NO	00 NOT SPECIFIED		P 2.000000	0.270000		20.00	0.054000
15001AB	BEANS-DRY-KIDNEY	21 COOKED-NFS		P 2.000000	0.270000		20.00	0.054000
15001AB	BEANS-DRY-KIDNEY	31 COOKED-FRESH OR CANNED		P 2.000000	0.270000		20.00	0.054000
15001AC	BEANS-DRY-LIMA	21 COOKED-NFS		P 2.000000	0.132000		20.00	0.026400
15001AD	BEANS-DRY-NAVY	21 COOKED-NFS		P 2.000000	0.270000		20.00	0.054000
15001AD	BEANS-DRY-NAVY	31 COOKED-FRESH OR CANNED		P 2.000000	0.270000		20.00	0.054000
15001AE	BEANS-DRY-OTHER	21 COOKED-NFS		P 2.000000	0.270000		20.00	0.054000
15001AE	BEANS-DRY-OTHER	25 COOKED-FRESH-FRIED		P 2.000000	0.270000		20.00	0.054000
15001AE	BEANS-DRY-OTHER	31 COOKED-FRESH OR CANNED		P 2.000000	0.270000		20.00	0.054000
15001AF	BEANS-DRY-PINTO	21 COOKED-NFS		P 2.000000	0.270000		20.00	0.054000
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS		P 0.200000	0.007000		10.00	0.000700
15006AA	PEANUTS-WHOLE	21 COOKED-NFS		P 0.200000	0.007000		10.00	0.000700
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED		P 0.200000	0.007000		10.00	0.000700
15013AA	MUNG BEANS	10 RAW-FRESH OR NFS		P 2.000000	0.270000		10.00	0.027000
15013AA	MUNG BEANS	21 COOKED-NFS		P 2.000000	0.270000		10.00	0.027000
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED		P 2.000000	0.270000		20.00	0.054000
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS		P 2.000000	0.270000		20.00	0.054000
15027AA	BEANS-UNSPEC	21 COOKED-NFS		P 2.000000	0.270000		20.00	0.054000
15029AA	SOYBEAN-SPROUTED	00 NOT SPECIFIED		P 0.200000	0.036000		2.00	0.000720
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED		P 2.000000	0.270000		20.00	0.054000
15031AA	BLKEYE PEAS-DRY	21 COOKED-NFS		P 2.000000	0.270000		20.00	0.054000
15032AA	BEANS-DRY	21 COOKED-NFS		P 2.000000	0.270000		20.00	0.054000
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED		P 2.000000	0.270000		20.00	0.054000
16003AA	MUSHROOMS	10 RAW-FRESH OR NFS		P 10.00000	1.630000		20.00	0.326000
16003AA	MUSHROOMS	21 COOKED-NFS		P 10.00000	1.630000		20.00	0.326000
16003AA	MUSHROOMS	31 COOKED-FRESH OR CANNED		P 10.00000	1.630000		20.00	0.326000
16003AA	MUSHROOMS	53 COOKED-CANNED-BOILED		P 10.00000	1.630000		20.00	0.326000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 075A DATE: 05/17/91 PAGE: 6

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. 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)
24001AA	BARLEY	21 COOKED-NFS		P 0.200000	0.039000		1.00	0.000390
24004AA	RICE-ROUGH	21 COOKED-NFS		P 5.000000	0.082000		30.00	0.024600
24004AA	RICE-ROUGH	23 COOKED-FRESH-BOILED		P 5.000000	0.082000		30.00	0.024600
24004AB	RICE-MILLED	21 COOKED-NFS		P 5.000000	0.000700		30.00	0.000210
24004AB	RICE-MILLED	22 COOKED-FRESH-BAKED		P 5.000000	0.000700		30.00	0.000210
24004AB	RICE-MILLED	23 COOKED-FRESH-BOILED		P 5.000000	0.000700		30.00	0.000210
24004AB	RICE-MILLED	31 COOKED-FRESH OR CANNED		P 5.000000	0.000700		30.00	0.000210
24007AA	WHEAT-ROUGH	10 RAW-FRESH OR NFS		P 0.200000	0.048000		2.00	0.000960
24007AA	WHEAT-ROUGH	21 COOKED-NFS		P 0.200000	0.048000		2.00	0.000960
24007AA	WHEAT-ROUGH	22 COOKED-FRESH-BAKED		P 0.200000	0.048000		2.00	0.000960
24007AA	WHEAT-ROUGH	23 COOKED-FRESH-BOILED		P 0.200000	0.048000		2.00	0.000960
24007GA	WHEAT-GERM	10 RAW-FRESH OR NFS		P 0.200000	0.048000		2.00	0.000960
24007GA	WHEAT-GERM	22 COOKED-FRESH-BAKED		P 0.200000	0.048000		2.00	0.000960
24007HA	WHEAT-BRAN	10 RAW-FRESH OR NFS		P 0.200000	0.048000		2.00	0.000960
24007HA	WHEAT-BRAN	21 COOKED-NFS		P 0.200000	0.048000		2.00	0.000960
24007HA	WHEAT-BRAN	22 COOKED-FRESH-BAKED		P 0.200000	0.048000		2.00	0.000960
24007WA	WHEAT-FLOUR	10 RAW-FRESH OR NFS		P 0.200000	0.048000		2.00	0.000960
24007WA	WHEAT-FLOUR	21 COOKED-NFS		P 0.200000	0.048000		2.00	0.000960
24007WA	WHEAT-FLOUR	22 COOKED-FRESH-BAKED		P 0.200000	0.048000		2.00	0.000960
24007WA	WHEAT-FLOUR	25 COOKED-FRESH-FRIED		P 0.200000	0.048000		2.00	0.000960
25002SA	BEET SUGAR	10 RAW-FRESH OR NFS		P 0.200000	0.044000		2.00	0.000880
25002SA	BEET SUGAR	21 COOKED-NFS		P 0.200000	0.044000		2.00	0.000880
25002SA	BEET SUGAR	22 COOKED-FRESH-BAKED		P 0.200000	0.044000		2.00	0.000880
25002SA	BEET SUGAR	31 COOKED-FRESH OR CANNED		P 0.200000	0.044000		2.00	0.000880
27002OA	CORN,GRAIN-OIL	18 PROCESSED OIL		P 0.200000	0.200000		1.00	0.002000
27007OA	PEANUTS-OIL	18 PROCESSED OIL		P 0.200000	0.200000		10.00	0.020000
27010OA	SOYBEANS-OIL	18 PROCESSED OIL		P 0.200000	0.015000		2.00	0.000300
28023AA	SOYBEANS-UNSPEC	21 COOKED-NFS		P 0.200000	0.036000		2.00	0.000720
28023AB	SOYBEANS-DRY	10 RAW-FRESH OR NFS		P 0.200000	0.036000		2.00	0.000720
28023AB	SOYBEANS-DRY	21 COOKED-NFS		P 0.200000	0.036000		2.00	0.000720
28023AB	SOYBEANS-DRY	23 COOKED-FRESH-BOILED		P 0.200000	0.036000		2.00	0.000720
28023AB	SOYBEANS-DRY	25 COOKED-FRESH-FRIED		P 0.200000	0.036000		2.00	0.000720
28023AB	SOYBEANS-DRY	31 COOKED-FRESH OR CANNED		P 0.200000	0.036000		2.00	0.000720
28023WA	SOY-FL, FULL FAT	21 COOKED-NFS		P 0.200000	0.015000		2.00	0.000300
28023WA	SOY-FL, FULL FAT	22 COOKED-FRESH-BAKED		P 0.200000	0.015000		2.00	0.000300
28023WA	SOY-FL, FULL FAT	31 COOKED-FRESH OR CANNED		P 0.200000	0.015000		2.00	0.000300
28023WB	SOY-FL, LOW FAT	21 COOKED-NFS		P 0.200000	0.015000		2.00	0.000300
28023WC	SOY-FL,DEFAT	10 RAW-FRESH OR NFS		P 0.200000	0.015000		2.00	0.000300
28023WC	SOY-FL,DEFAT	21 COOKED-NFS		P 0.200000	0.015000		2.00	0.000300
28023WC	SOY-FL,DEFAT	22 COOKED-FRESH-BAKED		P 0.200000	0.015000		2.00	0.000300

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 075A DATE: 05/17/91 PAGE: 7

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
28023WC	SOY-FL,DEFAT	51 COOKED-CANNED		P 0.200000	0.015000		2.00	0.000300
28023WC	SOY-FL,DEFAT	53 COOKED-CANNED-BOILED		P 0.200000	0.015000		2.00	0.000300
28080AA	PEPPERMINT	00 NOT SPECIFIED (NO CONSUMPTION)	0E3820	N 10.00000	10.000000		100.00	10.000000
28081AA	SPEARMINT	00 NOT SPECIFIED (NO CONSUMPTION)	0E3820	N 10.00000	10.000000		100.00	10.000000
43058AA	WINE AND SHERRY	10 RAW-FRESH OR NFS		P 10.00000	1.100000		30.00	0.330000
43058AA	WINE AND SHERRY	21 COOKED-NFS		P 10.00000	1.100000		30.00	0.330000
50000DB	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS		P 0.100000	0.000009C		100.00	0.000009
50000DB	MILK-NON-FAT SOL	21 COOKED-NFS		P 0.100000	0.000009C		100.00	0.000009
50000DB	MILK-NON-FAT SOL	51 COOKED-CANNED		P 0.100000	0.000009C		100.00	0.000009
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS		P 0.100000	0.000007C		100.00	0.000007
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS		P 0.100000	0.000007C		100.00	0.000007
50000FA	MILK-FAT SOLIDS	51 COOKED-CANNED		P 0.100000	0.000007C		100.00	0.000007
50000SA	MILK SUG (LACT)	21 COOKED-NFS		P 0.100000	0.000007		100.00	0.000007
50000SA	MILK SUG (LACT)	51 COOKED-CANNED		P 0.100000	0.000007		100.00	0.000007
53001BA	BEEF-MEAT BYP	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53001BA	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED,CORNED,OR CURED		P 0.100000	0.000004		100.00	0.000004
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53001BB	BEEF-OTH ORGAN	51 COOKED-CANNED		P 0.100000	0.000004		100.00	0.000004
53001DA	BEEF-DRIED	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED		P 0.100000	0.000004		100.00	0.000004
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS		P 0.100000	0.000004		100.00	0.000004
53001FA	BEEF-FAT	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED		P 0.100000	0.000004		100.00	0.000004
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED		P 0.100000	0.000004		100.00	0.000004
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED		P 0.100000	0.000004		100.00	0.000004
53001KA	BEEF-KIDNEY	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED		P 0.100000	0.000004		100.00	0.000004
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED		P 0.100000	0.000004		100.00	0.000004
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS		P 0.100000	0.000004		100.00	0.000004
53001MA	BEEF-LEAN	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED		P 0.100000	0.000004		100.00	0.000004
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED		P 0.100000	0.000004		100.00	0.000004
53001MA	BEEF-LEAN	24 COOKED-FRESH-BROILED		P 0.100000	0.000004		100.00	0.000004
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED		P 0.100000	0.000004		100.00	0.000004
53002BB	GOAT-OTH ORGAN	00 NOT SPECIFIED		P 0.100000	0.000004		100.00	0.000004
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED		P 0.100000	0.000004		100.00	0.000004
53002FA	GOAT-FAT	25 COOKED-FRESH-FRIED		P 0.100000	0.000004		100.00	0.000004
53002KA	GOAT-KIDNEY	00 NOT SPECIFIED		P 0.100000	0.000004		100.00	0.000004
53002LA	GOAT-LIVER	00 NOT SPECIFIED		P 0.100000	0.000004		100.00	0.000004
53002MA	GOAT-LEAN	23 COOKED-FRESH-BOILED		P 0.100000	0.000004		100.00	0.000004

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. 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)
53002MA	GOAT-LEAN	25 COOKED-FRESH-FRIED		P 0.100000	0.000004		100.00	0.000004
53003AA	HORSE	00 NOT SPECIFIED		R 0.100000	0.000004		100.00	0.000004
53005BA	SHEEP-MEAT BYP	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53005BB	SHEEP-OTH ORGAN	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53005FA	SHEEP-FAT	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53005KA	SHEEP-KIDNEY	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53005LA	SHEEP-LIVER	00 NOT SPECIFIED		P 0.100000	0.000004		100.00	0.000004
53005MA	SHEEP-LEAN	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53005MA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED		P 0.100000	0.000004		100.00	0.000004
53006BA	PORK-MEAT BYP	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53006BB	PORK-OTH ORGAN	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53006BB	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED,CORNED,OR CURED		P 0.100000	0.000004		100.00	0.000004
53006FA	PORK-FAT	10 RAW-FRESH OR NFS		P 0.100000	0.000004		100.00	0.000004
53006FA	PORK-FAT	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED		P 0.100000	0.000004		100.00	0.000004
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED		P 0.100000	0.000004		100.00	0.000004
53006FA	PORK-FAT	26 COOKED-FRESH-PICKLED,CORNED,OR CURED		P 0.100000	0.000004		100.00	0.000004
53006KA	PORK-KIDNEY	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53006LA	PORK-LIVER	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53006LA	PORK-LIVER	25 COOKED-FRESH-FRIED		P 0.100000	0.000004		100.00	0.000004
53006MA	PORK-LEAN	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
53006MA	PORK-LEAN	25 COOKED-FRESH-FRIED		P 0.100000	0.000004		100.00	0.000004
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED,CORNED,OR CURED		P 0.100000	0.000004		100.00	0.000004
55008BA	TURKEY-BYP	21 COOKED-NFS		P 0.100000	0.000003		100.00	0.000003
55008BA	TURKEY-BYP	26 COOKED-FRESH-PICKLED,CORNED,OR CURED		P 0.100000	0.000003		100.00	0.000003
55008LA	TURKEY ORGAN	21 COOKED-NFS		P 0.200000	0.000003		100.00	0.000003
55008LA	TURKEY ORGAN	25 COOKED-FRESH-FRIED		P 0.200000	0.000003		100.00	0.000003
55008MA	TURKEY W/O SKIN	21 COOKED-NFS		P 0.100000	0.000003		100.00	0.000003
55008MA	TURKEY W/O SKIN	31 COOKED-FRESH OR CANNED		P 0.100000	0.000003		100.00	0.000003
55008MA	TURKEY W/O SKIN	62 COOKED-FRESH OR FROZEN-BAKED		P 0.100000	0.000003		100.00	0.000003
55008MB	TURKEY+SKIN	21 COOKED-NFS		P 0.100000	0.000003		100.00	0.000003
55008MB	TURKEY+SKIN	25 COOKED-FRESH-FRIED		P 0.100000	0.000003		100.00	0.000003
55008MC	TURKEY-UNSPEC	21 COOKED-NFS		P 0.100000	0.000003		100.00	0.000003
55013BA	POULTRY,OTH-BYP	00 NOT SPECIFIED		P 0.100000	0.000003		100.00	0.000003
55013LA	POULTRY,ORGAN	25 COOKED-FRESH-FRIED		P 0.200000	0.000003		100.00	0.000003
55013MA	POULTRY,OTHER	21 COOKED-NFS		P 0.100000	0.000003		100.00	0.000003
55014AA	EGGS-WHOLE	10 RAW-FRESH OR NFS		P 0.100000	0.000004		100.00	0.000004
55014AA	EGGS-WHOLE	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
55014AA	EGGS-WHOLE	22 COOKED-FRESH-BAKED		P 0.100000	0.000004		100.00	0.000004
55014AA	EGGS-WHOLE	23 COOKED-FRESH-BOILED		P 0.100000	0.000004		100.00	0.000004

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 075A DATE: 05/17/91 PAGE: 9

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. 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)
55014AA	EGGS-WHOLE	25 COOKED-FRESH-FRIED		P 0.100000	0.000004		100.00	0.000004
55014AB	EGGS-WHITE ONLY	10 RAW-FRESH OR NFS		P 0.100000	0.000004		100.00	0.000004
55014AB	EGGS-WHITE ONLY	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
55014AB	EGGS-WHITE ONLY	22 COOKED-FRESH-BAKED		P 0.100000	0.000004		100.00	0.000004
55014AB	EGGS-WHITE ONLY	62 COOKED-FRESH OR FROZEN-BAKED		P 0.100000	0.000004		100.00	0.000004
55014AB	EGGS-WHITE ONLY	81 COOKED-FROZEN		P 0.100000	0.000004		100.00	0.000004
55014AC	EGGS-YOLK ONLY	10 RAW-FRESH OR NFS		P 0.100000	0.000004		100.00	0.000004
55014AC	EGGS-YOLK ONLY	21 COOKED-NFS		P 0.100000	0.000004		100.00	0.000004
55014AC	EGGS-YOLK ONLY	25 COOKED-FRESH-FRIED		P 0.100000	0.000004		100.00	0.000004
55014AC	EGGS-YOLK ONLY	31 COOKED-FRESH OR CANNED		P 0.100000	0.000004		100.00	0.000004
55015BA	CHICKEN-BYP	00 NOT SPECIFIED		P 0.100000	0.000004		100.00	0.000004
55015LA	CHICKEN-ORGAN	21 COOKED-NFS		P 0.100000	0.000003		100.00	0.000004
55015LA	CHICKEN-ORGAN	25 COOKED-FRESH-FRIED		P 0.200000	0.000003		100.00	0.000003
55015LA	CHICKEN-ORGAN	26 COOKED-FRESH-PICKLED,CORNED,OR CURED		P 0.200000	0.000003		100.00	0.000003
55015MA	CHICKEN-W/O SKIN	21 COOKED-NFS		P 0.200000	0.000003		100.00	0.000003
55015MA	CHICKEN-W/O SKIN	22 COOKED-FRESH-BAKED		P 0.100000	0.000003		100.00	0.000003
55015MA	CHICKEN-W/O SKIN	25 COOKED-FRESH-FRIED		P 0.100000	0.000003		100.00	0.000003
55015MA	CHICKEN-W/O SKIN	31 COOKED-FRESH OR CANNED		P 0.100000	0.000003		100.00	0.000003
55015MA	CHICKEN-W/O SKIN	53 COOKED-CANNED-BOILED		P 0.100000	0.000003		100.00	0.000003
55015MB	CHICKEN+SKIN	21 COOKED-NFS		P 0.100000	0.000003		100.00	0.000003
55015MB	CHICKEN+SKIN	25 COOKED-FRESH-FRIED		P 0.100000	0.000003		100.00	0.000003
				P 0.100000	0.000003		100.00	0.000003

TABLE 2

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS DATE: 05/17/91 PAGE: 1

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. On IRIS.

POPULATION SUBGROUP	TOTAL TMRC (MG/KG BODY WEIGHT/DAY) CURRENT TMRC*	NEW TMRC**	NEW TMRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES ARC	%RFD
U.S. POPULATION - 48 STATES	0.066571	0.066571	133.142978	0.000040	0.000431	0.86250
U.S. POPULATION - SPRING SEASON	0.063330	0.063330	126.660542	0.000000	0.000428	0.85603
U.S. POPULATION - SUMMER SEASON	0.064671	0.064671	129.341048	0.000000	0.000494	0.98829
U.S. POPULATION - FALL SEASON	0.068922	0.068922	137.844296	0.000000	0.000406	0.81238
U.S. POPULATION - WINTER SEASON	0.069298	0.069298	138.596526	0.000000	0.000393	0.78623
NORTHEAST REGION	0.078084	0.078084	156.167902	0.000000	0.000500	1.00073
NORTH CENTRAL REGION	0.066262	0.066262	132.524078	0.000000	0.000424	0.84837
SOUTHERN REGION	0.053553	0.053553	107.106942	0.000000	0.000319	0.63857
WESTERN REGION	0.073983	0.073983	147.966286	0.000000	0.000538	1.07519
HISPANICS	0.080490	0.080490	160.979848	0.000000	0.000443	0.88633
NON-HISPANIC WHITES	0.067145	0.067145	134.290786	0.000000	0.000454	0.90819
NON-HISPANIC BLACKS	0.054704	0.054704	109.408074	0.000000	0.000271	0.54120
NON-HISPANIC OTHERS	0.079311	0.079311	158.622464	0.000000	0.000431	0.86255
NURSING INFANTS (< 1 YEAR OLD)	0.152135	0.152135	304.270992	0.000000	0.000843	1.68640
NON-NURSING INFANTS (< 1 YEAR OLD)	0.250437	0.250437	500.874408	0.000000	0.001441	2.88288
FEMALES (13+ YEARS, PREGNANT)	0.052776	0.052776	105.552934	0.000000	0.000345	0.68990
FEMALES 13+ YEARS, NURSING	0.056291	0.056291	112.582936	0.000000	0.000436	0.87112
CHILDREN (1-6 YEARS OLD)	0.169423	0.169423	338.846648	0.000000	0.001024	2.04796
CHILDREN (7-12 YEARS OLD)	0.095410	0.095410	190.820410	0.000000	0.000573	1.14518
MALES (13-19 YEARS OLD)	0.055165	0.055165	110.330438	0.000000	0.000295	0.58911
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.051085	0.051085	102.169722	0.000000	0.000290	0.58070
MALES (20 YEARS AND OLDER)	0.043380	0.043380	86.760306	0.000000	0.000309	0.61728
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.047891	0.047891	95.781490	0.000000	0.000345	0.69044

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

TOLERANCE ASSESSMENT SUMMARY FOR Benomyl
USING ANTICIPATED RESIDUES
CASWELL #075A

DATE: 05/17/91

ANALYSIS FOR POPULATION SUB-GROUP: U.S. POPULATION - 48 STATES

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)
RESULT IN AN ARC OF: 0.000431 MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO: 0.862 % OF THE ADI.

PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)
RESULT IN AN ARC OF: <0.000001 MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY: 0.000 % OF THE ADI.

IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)
ARE APPROVED THE RESULTANT ARC WILL BE: 0.000431 MG/KG/DAY
THE NEW ARC WILL OCCUPY 0.863 % OF THE ADI.

NO OTHER PENDING ANTICIPATED RESIDUES ARE IN THE FILE

ANALYSIS FOR POPULATION SUB-GROUP: NON-NURSING INFANTS (< 1 YEAR OLD)

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)
RESULT IN AN ARC OF: 0.001441 MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO: 2.883 % OF THE ADI.

NO NEW ANTICIPATED RESIDUES ARE IN THE FILE.

NO OTHER PENDING ANTICIPATED RESIDUES ARE IN THE FILE

ANALYSIS FOR POPULATION SUB-GROUP: CHILDREN (1-6 YEARS OLD)

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)
RESULT IN AN ARC OF: 0.001024 MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO: 2.048 % OF THE ADI.

NO NEW ANTICIPATED RESIDUES ARE IN THE FILE.

NO OTHER PENDING ANTICIPATED RESIDUES ARE IN THE FILE

ONCOGENIC RISK BY COMMODITY

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 05/17/91 PAGE: 21

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RI
03011AA	PISTACHIO NUTS	0.200	P	0.000051	0.000	0.00000000021				
	10 RAW-FRESH OR NFS						0.00975	0.000002	0.000	0.00000(
06001AA	AVOCADOS	3.000	P	0.037611	0.075	0.00000015797				
	10 RAW-FRESH OR NFS						0.01104	0.000138	0.000	0.00000(
06002AA	BANANAS-UNSPECIFIED	0.200	P	0.000659	0.001	0.00000000277				
	22 COOKED-FRESH-BAKED						0.05500	0.000181	0.000	0.000000
06002AB	BANANAS-FRESH	0.200	P	0.044808	0.090	0.00000018819				
	10 RAW-FRESH OR NFS						0.05500	0.010877	0.022	0.000000
	21 COOKED-NFS						0.05500	0.000296	0.001	0.000000
	31 COOKED-FRESH OR CANNED						0.05500	0.001149	0.002	0.000000
06007AA	MANGOES	3.000	P	0.001662	0.003	0.00000000698				
	10 RAW-FRESH OR NFS						0.27835	0.000125	0.000	0.000000
	21 COOKED-NFS						0.27835	0.000029	0.000	0.000000
06016AA	PLANTAINS	0.200	P	0.000327	0.001	0.00000000137				
	21 COOKED-NFS						0.05500	0.000000	0.000	0.000000
	23 COOKED-FRESH-BOILED						0.05500	0.000044	0.000	0.000000
	25 COOKED-FRESH-FRIED						0.05500	0.000046	0.000	0.000000
16003AA	MUSHROOMS	10.000	P	0.213881	0.428	0.00000089830				
	10 RAW-FRESH OR NFS						0.32600	0.000280	0.001	0.000000
	21 COOKED-NFS						0.32600	0.004966	0.010	0.000000
	31 COOKED-FRESH OR CANNED						0.32600	0.001238	0.002	0.000000
	53 COOKED-CANNED-BOILED						0.32600	0.000489	0.001	0.000000
43058AA	WINE AND SHERRY	10.000	P	0.841956	1.684	0.00000353622				
	10 RAW-FRESH OR NFS						0.33000	0.027455	0.055	0.000000
	21 COOKED-NFS						0.33000	0.000329	0.001	0.000000
	CROP GROUP TOTALS FOR UNSPECIFIED:			1.140955	2.282	0.00000479201		0.047644	0.095	0.000000
14003AA	CARROTS	0.200	P	0.034696	0.069	0.00000014572				
	10 RAW-FRESH OR NFS						0.00033	0.000013	0.000	0.000000
	21 COOKED-NFS						0.00033	0.000017	0.000	0.000000
	23 COOKED-FRESH-BOILED						0.00033	0.000003	0.000	0.000000
	31 COOKED-FRESH OR CANNED						0.00033	0.000011	0.000	0.000000
	51 COOKED-CANNED						0.00033	0.000013	0.000	0.000000
14018AA	SWEETPOTATOES (INCLUDING YAMS)	0.200	P	0.007767	0.016	0.00000003262				
	21 COOKED-NFS						0.00008	0.000003	0.000	0.0000000
	31 COOKED-FRESH OR CANNED						0.00008	0.000000	0.000	0.0000000
	51 COOKED-CANNED						0.00008	0.000000	0.000	0.0000000
25002SA	BEET SUGAR	0.200	P	0.066422	0.133	0.00000027897				
	10 RAW-FRESH OR NFS						0.00088	0.000034	0.000	0.0000000
	21 COOKED-NFS						0.00088	0.000075	0.000	0.0000000

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 05/17/91 PAGE: 2

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO; Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
	22 COOKED-FRESH-BAKED						0.00088	0.000049	0.000	0.00000000021
	31 COOKED-FRESH OR CANNED						0.00088	0.000134	0.000	0.00000000056
	CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:			0.108885	0.218	0.00000045732		0.000352	0.001	0.00000000148
13002AA	CELERY									
	10 RAW-FRESH OR NFS	3.000	P	0.182883	0.366	0.00000076811				
	21 COOKED-NFS						0.14700	0.007027	0.014	0.00000002951
							0.14700	0.001934	0.004	0.00000000812
	CROP GROUP TOTALS FOR LEAFY VEGETABLES (EXCL. BRASSICAE):			0.182883	0.366	0.00000076811		0.008961	0.018	0.00000003764
15001AA	BEANS-DRY-GREAT NORTHERN									
	00 NOT SPECIFIED	2.000	P	0.000002	0.000	0.00000000001				
15001AB	BEANS-DRY-KIDNEY									
	21 COOKED-NFS	2.000	P	0.027263	0.055	0.00000011450	0.05400	0.000000	0.000	0.00000000000
	31 COOKED-FRESH OR CANNED						0.05400	0.000638	0.001	0.00000000268
15001AC	BEANS-DRY-LIMA						0.05400	0.000099	0.000	0.00000000042
	21 COOKED-NFS	2.000	P	0.015978	0.032	0.00000006711				
15001AD	BEANS-DRY-NAVY (PEA)						0.02640	0.000211	0.000	0.00000000089
	21 COOKED-NFS	2.000	P	0.074815	0.150	0.00000031422				
	31 COOKED-FRESH OR CANNED						0.05400	0.000478	0.001	0.00000000201
15001AE	BEANS-DRY-OTHER						0.05400	0.001542	0.003	0.00000000648
	21 COOKED-NFS	2.000	P	0.079650	0.159	0.00000033453				
	25 COOKED-FRESH-FRIED						0.05400	0.000942	0.002	0.00000000396
	31 COOKED-FRESH OR CANNED						0.05400	0.000347	0.001	0.00000000146
15001AF	BEANS-DRY-PINTO						0.05400	0.000861	0.002	0.00000000362
	21 COOKED-NFS	2.000	P	0.072700	0.145	0.00000030534				
15006AA	PEANUTS-WHOLE						0.05400	0.001963	0.004	0.00000000824
	10 RAW-FRESH OR NFS	0.200	P	0.013916	0.028	0.00000005845				
	21 COOKED-NFS						0.00070	0.000001	0.000	0.00000000000
	22 COOKED-FRESH-BAKED						0.00070	0.000045	0.000	0.00000000019
15013AA	MUNG BEANS (SPROUTS)						0.00070	0.000003	0.000	0.00000000001
	10 RAW-FRESH OR NFS	2.000	P	0.013304	0.027	0.00000005588				
	21 COOKED-NFS						0.02700	0.000020	0.000	0.00000000008
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED)						0.02700	0.000159	0.000	0.00000000067
	00 NOT SPECIFIED	2.000	P	0.000002	0.000	0.00000000001				
15023AA	BEANS-DRY-PIGEON BEANS						0.05400	0.000000	0.000	0.00000000000
	21 COOKED-NFS	2.000	P	0.000071	0.000	0.00000000030				
15027AA	BEANS-UNSPECIFIED						0.05400	0.000002	0.000	0.00000000001
	21 COOKED-NFS	2.000	P	0.010469	0.021	0.00000004397				
15029AA	SOYBEANS-SPROUTED SEEDS						0.05400	0.000283	0.001	0.00000000119
	00 NOT SPECIFIED	0.200	P	0.000000	0.000	0.00000000000				
							0.00072	0.000000	0.000	0.00000000000

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
15030AA	BEANS-DRY-HYACINTH(MATURE SEEDS)	2.000	P	0.000002	0.000	0.00000000001				
	00 NOT SPECIFIED						0.05400	0.000000	0.000	0.00000000
15031AA	BEANS-DRY-BLACKEYE PEAS(COWPEAS)	2.000	P	0.004947	0.010	0.00000002078				
	21 COOKED-NFS						0.05400	0.000134	0.000	0.00000000
15032AA	BEANS-DRY-GARBANZO(CHICK PEA)	2.000	P	0.001052	0.002	0.00000000442				
	21 COOKED-NFS						0.05400	0.000022	0.000	0.00000000
	31 COOKED-FRESH OR CANNED						0.05400	0.000007	0.000	0.00000000
27007OA	PEANUTS-OIL	0.200	P	0.001045	0.002	0.00000000439				
	18 PROCESSED OIL						0.02000	0.000105	0.000	0.00000000
27010OA	SOYBEANS-OIL	0.200	P	0.064431	0.129	0.00000027061				
	18 PROCESSED OIL						0.00030	0.000097	0.000	0.00000000
28023AA	SOYBEANS-UNSPECIFIED	0.200	P	0.000104	0.000	0.00000000044				
	21 COOKED-NFS						0.00072	0.000000	0.000	0.00000000
28023AB	SOYBEANS-MATURE,SEEDS DRY	0.200	P	0.000180	0.000	0.00000000076				
	10 RAW-FRESH OR NFS						0.00072	0.000000	0.000	0.00000000
	21 COOKED-NFS						0.00072	0.000000	0.000	0.00000000
	23 COOKED-FRESH-BOILED						0.00072	0.000000	0.000	0.00000000
	25 COOKED-FRESH-FRIED						0.00072	0.000000	0.000	0.00000000
	31 COOKED-FRESH OR CANNED						0.00072	0.000000	0.000	0.00000000
28023WA	SOYBEANS-FLOUR, FULL FAT	0.200	P	0.000584	0.001	0.00000000245				
	21 COOKED-NFS						0.00030	0.000000	0.000	0.00000000
	22 COOKED-FRESH-BAKED						0.00030	0.000000	0.000	0.00000000
	31 COOKED-FRESH OR CANNED						0.00030	0.000000	0.000	0.00000000
28023WB	SOYBEANS-FLOUR, LOW FAT	0.200	P	0.000190	0.000	0.00000000080				
	21 COOKED-NFS						0.00030	0.000000	0.000	0.00000000
28023WC	SOYBEANS-FLOUR,DEFATTED	0.200	P	0.002492	0.005	0.00000001047				
	10 RAW-FRESH OR NFS						0.00030	0.000000	0.000	0.00000000
	21 COOKED-NFS						0.00030	0.000000	0.000	0.00000000
	22 COOKED-FRESH-BAKED						0.00030	0.000002	0.000	0.00000000
	51 COOKED-CANNED						0.00030	0.000001	0.000	0.00000000
	53 COOKED-CANNED-BOILED						0.00030	0.000001	0.000	0.00000000
	CROP GROUP TOTALS FOR LEGUME VEGETABLES:			0.383197	0.766	0.00000160943		0.007963	0.016	0.00000003
11003AA	PEPPERS,SWEET,GARDEN	0.200	P	0.004311	0.009	0.00000001811				
	10 RAW-FRESH OR NFS						0.00050	0.000003	0.000	0.00000000
	21 COOKED-NFS						0.00050	0.000007	0.000	0.00000000
11005AA	TOMATOES-WHOLE	5.000	P	2.460082	4.920	0.00001033234				
	10 RAW-FRESH OR NFS						0.07840	0.019692	0.039	0.00000008
	21 COOKED-NFS						0.07840	0.015181	0.030	0.00000006
	31 COOKED-FRESH OR CANNED						0.07840	0.003701	0.007	0.00000001

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
11005JA	TOMATOES-JUICE	50.000	P	2.756755	5.514	0.00001157837				
	10 RAW-FRESH OR NFS						0.06440	0.000130	0.000	0.00000000055
	21 COOKED-NFS						0.06440	0.003421	0.007	0.00000001437
11005RA	TOMATOES-PUREE	50.000	P	8.511555	17.023	0.00003574853				
	10 RAW-FRESH OR NFS						0.00480	0.000000	0.000	0.00000000000
	21 COOKED-NFS						0.00480	0.000460	0.001	0.00000000193
	31 COOKED-FRESH OR CANNED						0.00480	0.000079	0.000	0.00000000033
	32 COOKED-FRESH OR CANNED-BAKED						0.00480	0.000106	0.000	0.00000000045
	51 COOKED-CANNED						0.00480	0.000172	0.000	0.00000000072
11005TA	TOMATOES-PASTE	50.000	P	1.973835	3.948	0.00000829011				
	21 COOKED-NFS						0.17040	0.004743	0.009	0.00000001992
	22 COOKED-FRESH-BAKED						0.17040	0.000907	0.002	0.00000000381
	31 COOKED-FRESH OR CANNED						0.17040	0.001077	0.002	0.00000000452
11005UA	TOMATOES-CATSUP	50.000	P	2.101600	4.203	0.00000882672				
	21 COOKED-NFS						0.00920	0.000387	0.001	0.00000000163
	CROP GROUP TOTALS FOR FRUITING VEGETABLES (EXCL. CUCURBITS):			17.808138	35.616	0.00007479418		0.050066	0.100	0.00000021028
10002AA	CANTALOUPES-UNSPECIFIED	1.000	P	0.000001	0.000	0.00000000000				
	00 NOT SPECIFIED						0.01700	0.000000	0.000	0.00000000000
10002AB	CANTALOUPES-PULP	1.000	P	0.044422	0.089	0.00000018657				
	10 RAW-FRESH OR NFS						0.01700	0.000751	0.002	0.00000000315
	21 COOKED-NFS						0.01700	0.000004	0.000	0.00000000002
10003AA	CASABAS	1.000	P	0.000770	0.002	0.00000000323				
	10 RAW-FRESH OR NFS						0.01700	0.000013	0.000	0.00000000005
10004AA	CRENSHAWS	1.000	P	0.000001	0.000	0.00000000000				
	00 NOT SPECIFIED						0.01700	0.000000	0.000	0.00000000000
10005AA	HONEYDEW MELONS	1.000	P	0.018363	0.037	0.00000007712				
	10 RAW-FRESH OR NFS						0.01700	0.000312	0.001	0.00000000131
10007AA	PERSION MELONS	1.000	P	0.000001	0.000	0.00000000000				
	00 NOT SPECIFIED						0.01700	0.000000	0.000	0.00000000000
10008AA	WATERMELON	1.000	P	0.076505	0.153	0.00000032132				
	10 RAW-FRESH OR NFS						0.01700	0.001299	0.003	0.00000000546
	21 COOKED-NFS						0.01700	0.000001	0.000	0.00000000000
10010AA	CUCUMBERS	1.000	P	0.072082	0.144	0.00000030274				
	10 RAW-FRESH OR NFS						0.03160	0.001216	0.002	0.00000000511
	11 RAW-FRESH-PICKLED,CORNED,OR CURED						0.03160	0.000988	0.002	0.00000000415
	21 COOKED-NFS						0.03160	0.000073	0.000	0.00000000031
10011AA	PUMPKIN	1.000	P	0.004418	0.009	0.00000001856				
	21 COOKED-NFS						0.00034	0.000000	0.000	0.00000000000
	22 COOKED-FRESH-BAKED						0.00034	0.000000	0.000	0.00000000000

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
	62 COOKED-FRESH OR FROZEN-BAKED						0.00034	0.000001	0.000	0.0000000(
10013AA	SQUASH-SUMMER	1.000	P	0.031648	0.063	0.00000013292				
	10 RAW-FRESH OR NFS						0.03160	0.000041	0.000	0.0000000(
	21 COOKED-NFS						0.03160	0.000959	0.002	0.0000000(
10014AA	SQUASH-WINTER	1.000	P	0.032442	0.065	0.00000013626				
	10 RAW-FRESH OR NFS						0.00680	0.000000	0.000	0.0000000(
	21 COOKED-NFS						0.00680	0.000192	0.000	0.0000000(
	31 COOKED-FRESH OR CANNED						0.00680	0.000028	0.000	0.0000000(
10017AA	BITTER MELON	1.000	P	0.000023	0.000	0.00000000010				
	21 COOKED-NFS						0.01700	0.000000	0.000	0.0000000(
10020AA	TOWELGOURD	1.000	P	0.000001	0.000	0.00000000000				
	00 NOT SPECIFIED						0.20000	0.000000	0.000	0.0000000(
	CROP GROUP TOTALS FOR FRUITING VEGETABLES (CUCURBITS):			0.280677	0.561	0.00000117884		0.005878	0.012	0.0000000(
02001AA	CITRUS CITRON	10.000	P	0.001573	0.003	0.00000000661				
	22 COOKED-FRESH-BAKED						0.02688	0.000004	0.000	0.0000000(
02002AA	GRAPEFRUIT-UNSPECIFIED	10.000	P	0.000010	0.000	0.00000000004				
	00 NOT SPECIFIED						0.03360	0.000000	0.000	0.0000000(
02002AB	GRAPEFRUIT-PULP	10.000	P	0.684644	1.369	0.00000287550				
	10 RAW-FRESH OR NFS						0.01940	0.001327	0.003	0.0000000(
	21 COOKED-NFS						0.01940	0.000002	0.000	0.0000000(
02002JA	GRAPEFRUIT-JUICE	10.000	P	1.624529	3.249	0.00000682302				
	15 RAW-FRESH OR CANNED						0.00060	0.000045	0.000	0.0000000(
	31 COOKED-FRESH OR CANNED						0.00060	0.000002	0.000	0.0000000(
02003AA	KUMQUATS	10.000	P	0.000798	0.002	0.00000000335				
	10 RAW-FRESH OR NFS						0.00672	0.000001	0.000	0.0000000(
02004AA	LEMONS-UNSPECIFIED	10.000	P	0.020695	0.041	0.00000008692				
	10 RAW-FRESH OR NFS						0.00672	0.000013	0.000	0.00000000
	22 COOKED-FRESH-BAKED						0.00672	0.000001	0.000	0.00000000
02004AB	LEMONS-PULP	10.000	P	0.002149	0.004	0.00000000903				
	10 RAW-FRESH OR NFS						0.00388	0.000000	0.000	0.00000000
	31 COOKED-FRESH OR CANNED						0.00388	0.000000	0.000	0.0000000(
02004HA	LEMONS-PEEL	10.000	P	0.002570	0.005	0.00000001079				
	10 RAW-FRESH OR NFS						0.00672	0.000002	0.000	0.0000000(
	21 COOKED-NFS						0.00672	0.000000	0.000	0.0000000(
02004JA	LEMONS-JUICE	10.000	P	0.379128	0.758	0.00000159234				
	10 RAW-FRESH OR NFS						0.00012	0.000001	0.000	0.0000000(
	15 RAW-FRESH OR CANNED						0.00012	0.000000	0.000	0.0000000(
	21 COOKED-NFS						0.00012	0.000001	0.000	0.0000000(
	31 COOKED-FRESH OR CANNED						0.00012	0.000001	0.000	0.0000000(

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
02005AA	LIMES-UNSPECIFIED	10.000	P	0.000010	0.000	0.00000000004				
	00 NOT SPECIFIED						0.00672	0.000000	0.000	0.000000000
02005AB	LIMES-PULP	10.000	P	0.000941	0.002	0.00000000395				
	10 RAW-FRESH OR NFS						0.00388	0.000000	0.000	0.000000000
02005HA	LIMES-PEEL	10.000	P	0.000000	0.000	0.00000000000				
	21 COOKED-NFS						0.00672	0.000000	0.000	0.000000000
02005JA	LIMES-JUICE	10.000	P	0.065790	0.132	0.00000027632				
	10 RAW-FRESH OR NFS						0.00012	0.000000	0.000	0.000000000
	15 RAW-FRESH OR CANNED						0.00012	0.000000	0.000	0.000000000
	31 COOKED-FRESH OR CANNED						0.00012	0.000000	0.000	0.000000000
02006AA	ORANGES-UNSPECIFIED	10.000	P	0.000010	0.000	0.00000000004				
	00 NOT SPECIFIED						0.02688	0.000000	0.000	0.000000000
02006AB	ORANGES-PULP	10.000	P	1.503524	3.007	0.00000631480				
	10 RAW-FRESH OR NFS						0.01552	0.002328	0.005	0.000000009
	21 COOKED-NFS						0.01552	0.000006	0.000	0.000000000
02006HA	ORANGES-PEEL	10.000	P	0.001358	0.003	0.00000000570				
	21 COOKED-NFS						0.02688	0.000000	0.000	0.000000000
	22 COOKED-FRESH-BAKED						0.02688	0.000003	0.000	0.000000000
	31 COOKED-FRESH OR CANNED						0.02688	0.000001	0.000	0.000000000
02006JA	ORANGES-JUICE	10.000	P	19.705077	39.410	0.00008276132				
	15 RAW-FRESH OR CANNED						0.00048	0.000508	0.001	0.000000002
	31 COOKED-FRESH OR CANNED						0.00048	0.000017	0.000	0.000000000
02007AA	TANGELOS	10.000	P	0.025555	0.051	0.00000010733				
	10 RAW-FRESH OR NFS						0.02688	0.000069	0.000	0.000000000
02008AA	TANGERINES	10.000	P	0.088441	0.177	0.00000037145				
	10 RAW-FRESH OR NFS						0.02688	0.000238	0.000	0.000000001
02008JA	TANGERINE-JUICE	10.000	P	0.001510	0.003	0.00000000634				
	15 RAW-FRESH OR CANNED						0.00048	0.000000	0.000	0.000000000
	CROP GROUP TOTALS FOR CITRUS FRUITS:			24.108312	48.217	0.00010125491		0.004570	0.009	0.000000019
04001AA	APPLES-FRESH	7.000	P	3.197103	6.394	0.00001342783				
	10 RAW-FRESH OR NFS						0.16750	0.051497	0.103	0.000000216
	21 COOKED-NFS						0.16750	0.001112	0.002	0.000000004
	31 COOKED-FRESH OR CANNED						0.16750	0.019943	0.040	0.000000083
	62 COOKED-FRESH OR FROZEN-BAKED						0.16750	0.003950	0.008	0.000000016
04001DA	APPLES-DRIED	7.000	P	0.011558	0.023	0.00000004854				
	10 RAW-FRESH OR NFS						0.42500	0.000348	0.001	0.000000001
	22 COOKED-FRESH-BAKED						0.42500	0.000132	0.000	0.000000000
	62 COOKED-FRESH OR FROZEN-BAKED						0.42500	0.000221	0.000	0.000000000
04001JA	APPLES-JUICE	7.000	P	2.327314	4.655	0.00000977472				
	15 RAW-FRESH OR CANNED						0.05750	0.009825	0.020	0.000000041

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RI
	31 COOKED-FRESH OR CANNED									
04003AA	PEARS-FRESH	7.000	P	0.857314	1.715	0.00000360072	0.05750	0.002920	0.006	0.000000
	10 RAW-FRESH OR NFS						0.07950	0.004191	0.008	0.000000
	31 COOKED-FRESH OR CANNED						0.07950	0.003709	0.007	0.000000
	51 COOKED-CANNED						0.07950	0.001815	0.004	0.000000
	62 COOKED-FRESH OR FROZEN-BAKED						0.07950	0.000021	0.000	0.000000
04003DA	PEARS-DRIED	7.000	P	0.001463	0.003	0.00000000614				
	10 RAW-FRESH OR NFS						0.07950	0.000015	0.000	0.000000
	21 COOKED-NFS						0.07950	0.000002	0.000	0.000000
	CROP GROUP TOTALS FOR POME FRUITS:			6.394752	12.790	0.00002685796		0.099701	0.199	0.000000
05001AA	APRICOTS-FRESH	15.000	P	0.505339	1.011	0.00000212242				
	10 RAW-FRESH OR NFS						0.00874	0.000050	0.000	0.000000
	21 COOKED-NFS						0.00874	0.000068	0.000	0.000000
	31 COOKED-FRESH OR CANNED						0.00874	0.000176	0.000	0.000000
05001DA	APRICOTS-DRIED	15.000	P	0.036360	0.073	0.00000015271				
	10 RAW-FRESH OR NFS						0.02180	0.000007	0.000	0.000000
	22 COOKED-FRESH-BAKED						0.02180	0.000001	0.000	0.000000
05002AA	CHERRIES-FRESH	15.000	P	0.482631	0.965	0.00000202705				
	10 RAW-FRESH OR NFS						0.34510	0.002546	0.005	0.000000
	21 COOKED-NFS						0.34510	.001522	0.003	0.000000
	31 COOKED-FRESH OR CANNED						0.34510	0 004329	0.009	0.000000
	62 COOKED-FRESH OR FROZEN-BAKED						0.34510	0.002707	0.005	0.000000
05002DA	CHERRIES-DRIED	15.000	P	0.000060	0.000	0.00000000025				
	00 NOT SPECIFIED						0.86275	0.000001	0.000	0.000000
05002JA	CHERRIES-JUICE	15.000	P	0.076680	0.153	0.00000032206				
	15 RAW-FRESH OR CANNED						0.34510	0.001618	0.003	0.000000
	21 COOKED-NFS						0.34510	0.000146	0.000	0.000000
05003AA	NECTARINES	15.000	P	0.194493	0.389	0.00000081687				
	10 RAW-FRESH OR NFS						0.00874	0.000113	0.000	0.000000
05004AA	PEACHES-FRESH	15.000	P	3.230874	6.462	0.00001356967				
	10 RAW-FRESH OR NFS						0.43700	0.043907	0.088	0.000000
	21 COOKED-NFS						0.00170	0.000017	0.000	0.000000
	31 COOKED-FRESH OR CANNED						0.00170	0.000136	0.000	0.000000
	51 COOKED-CANNED						0.00170	0.000043	0.000	0.000000
05004DA	PEACHES-DRIED	15.000	P	0.005208	0.010	0.00000002187				
	10 RAW-FRESH OR NFS						0.33000	0.000009	0.000	0.000000
	21 COOKED-NFS						0.33000	0.000008	0.000	0.000000
05005AA	PLUMS(DAMSONS)-FRESH	15.000	P	0.372939	0.746	0.00000156634				
	10 RAW-FRESH OR NFS						0.25280	0.004705	0.009	0.000000

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
	31 COOKED-FRESH OR CANNED									
05005DA	PLUMS-PRUNES(DRIED)	15.000	P	0.261320	0.523	0.00000109754	0.25280	0.001580	0.003	0.00000000
	10 RAW-FRESH OR NFS						1.01360	0.000624	0.001	0.00000000
	21 COOKED-NFS						1.01360	0.004397	0.009	0.00000001
	31 COOKED-FRESH OR CANNED						1.01360	0.000865	0.002	0.00000000
05005JA	PLUMS,PRUNE-JUICE	15.000	P	0.288851	0.578	0.00000121317				
	10 RAW-FRESH OR NFS						1.01200	0.013899	0.028	0.00000005
	62 COOKED-FRESH OR FROZEN-BAKED						1.01200	0.000021	0.000	0.00000000
	CROP GROUP TOTALS FOR STONE FRUITS:			5.454755	10.910	0.00002290997		0.083495	0.167	0.00000035
01002AA	BLACKBERRIES	7.000	P	0.044988	0.090	0.00000018895				
	10 RAW-FRESH OR NFS						1.20600	0.000962	0.002	0.00000000
	21 COOKED-NFS						1.20600	0.003433	0.007	0.00000001
	62 COOKED-FRESH OR FROZEN-BAKED						1.20600	0.003356	0.007	0.00000001
01003AA	BOYSENBERRIES	7.000	P	0.005119	0.010	0.00000002150				
	10 RAW-FRESH OR NFS						0.02010	0.000015	0.000	0.00000000
01004AA	DEWBERRIES	7.000	P	0.016401	0.033	0.00000006888				
	00 NOT SPECIFIED						0.10050	0.000235	0.000	0.00000000
01005AA	LOGANBERRIES	7.000	P	0.001428	0.003	0.00000000600				
	00 NOT SPECIFIED						0.10050	0.000205	0.000	0.00000000
01006AA	RASPBERRIES	7.000	P	0.020063	0.040	0.00000008426				
	10 RAW-FRESH OR NFS						0.34170	0.000589	0.001	0.00000000
	15 RAW-FRESH OR CANNED						0.34170	0.000110	0.000	0.00000000
	31 COOKED-FRESH OR CANNED						0.34170	0.000093	0.000	0.00000000
	62 COOKED-FRESH OR FROZEN-BAKED						0.34170	0.000096	0.000	0.00000000
	70 RAW-FROZEN						0.34170	0.000091	0.000	0.00000000
01009AA	BLUEBERRIES	7.000	P	0.063332	0.127	0.00000026599				
	10 RAW-FRESH OR NFS						0.37180	0.001993	0.004	0.00000000
	21 COOKED-NFS						0.37180	0.000403	0.001	0.00000000
	22 COOKED-FRESH-BAKED						0.37180	0.000181	0.000	0.00000000
	62 COOKED-FRESH OR FROZEN-BAKED						0.37180	0.000787	0.002	0.00000000
01011AA	CURRANTS	7.000	P	0.003823	0.008	0.00000001606				
	10 RAW-FRESH OR NFS						0.85800	0.000014	0.000	0.00000000
	21 COOKED-NFS						0.85800	0.000002	0.000	0.00000000
	22 COOKED-FRESH-BAKED						0.85800	0.000453	0.001	0.00000000
01014AA	GRAPES-FRESH	10.000	P	0.437931	0.876	0.00000183931				
	10 RAW-FRESH OR NFS						0.33000	0.008005	0.016	0.00000003
	21 COOKED-NFS						0.33000	0.000266	0.001	0.00000000
	31 COOKED-FRESH OR CANNED						0.33000	0.006181	0.012	0.00000002
01014DA	GRAPES-RAISINS	50.000	P	0.848650	1.697	0.00000356433				
	10 RAW-FRESH OR NFS						1.75200	0.017912	0.036	0.00000007

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RIS
	21 COOKED-NFS						1.75200	0.001686	0.003	0.000000
	22 COOKED-FRESH-BAKED						1.75200	0.010139	0.020	0.000000
01014JA	GRAPES-JUICE	10.000	P	1.081152	2.162	0.00000454084				
	10 RAW-FRESH OR NFS						0.33000	0.003310	0.007	0.000000
	15 RAW-FRESH OR CANNED						0.33000	0.031055	0.062	0.000000
	21 COOKED-NFS						0.33000	0.001313	0.003	0.000000
01016AA	STRAWBERRIES	5.000	P	0.173545	0.347	0.00000072889				
	10 RAW-FRESH OR NFS						0.79500	0.019242	0.038	0.000000
	21 COOKED-NFS						0.79500	0.003952	0.008	0.000000
	70 RAW-FROZEN						0.79500	0.004399	0.009	0.000000
	CROP GROUP TOTALS FOR SMALL FRUITS AND BERRIES:			2.696432	5.393	0.00001132501		0.120478	0.241	0.000000
24001AA	BARLEY	0.200	P	0.011460	0.023	0.00000004813				
	21 COOKED-NFS						0.00039	0.000022	0.000	0.000000
24004AA	RICE-ROUGH	5.000	P	0.015300	0.031	0.00000006426				
	21 COOKED-NFS						0.02460	0.000000	0.000	0.000000
	23 COOKED-FRESH-BOILED						0.02460	0.000075	0.000	0.000000
24004AB	RICE-MILLED	5.000	P	0.776313	1.553	0.00000326051				
	21 COOKED-NFS						0.00021	0.000011	0.000	0.000000
	22 COOKED-FRESH-BAKED						0.00021	0.000005	0.000	0.000000
	23 COOKED-FRESH-BOILED						0.00021	0.000015	0.000	0.000000
	31 COOKED-FRESH OR CANNED						0.00021	0.000002	0.000	0.000000
24007AA	WHEAT-ROUGH	0.200	P	0.028122	0.056	0.00000011811				
	10 RAW-FRESH OR NFS						0.00096	0.000000	0.000	0.000000
	21 COOKED-NFS						0.00096	0.000009	0.000	0.000000
	22 COOKED-FRESH-BAKED						0.00096	0.000082	0.000	0.000000
	23 COOKED-FRESH-BOILED						0.00096	0.000044	0.000	0.000000
24007GA	WHEAT-GERM	0.200	P	0.000161	0.000	0.00000000068				
	10 RAW-FRESH OR NFS						0.00096	0.000000	0.000	0.000000
	22 COOKED-FRESH-BAKED						0.00096	0.000001	0.000	0.000000
24007HA	WHEAT-BRAN	0.200	P	0.002432	0.005	0.00000001021				
	10 RAW-FRESH OR NFS						0.00096	0.000000	0.000	0.000000
	21 COOKED-NFS						0.00096	0.000000	0.000	0.000000
	22 COOKED-FRESH-BAKED						0.00096	0.000011	0.000	0.000000
24007WA	WHEAT-FLOUR	0.200	P	0.251450	0.503	0.00000105609				
	10 RAW-FRESH OR NFS						0.00096	0.000000	0.000	0.000000
	21 COOKED-NFS						0.00096	0.000674	0.001	0.000000
	22 COOKED-FRESH-BAKED						0.00096	0.000443	0.001	0.000000
	25 COOKED-FRESH-FRIED						0.00096	0.000090	0.000	0.000000
270020A	CORN,GRAIN-OIL	0.200	P	0.000000	0.000	0.00000000000				
	18 PROCESSED OIL						0.00200	0.000046	0.000	0.000000

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
	CROP GROUP TOTALS FOR CEREAL GRAINS:			1.085238	2.170	0.00000455800		0.001530	0.003	0.000000006
03001AA	ALMONDS	0.200	P	0.000561	0.001	0.00000000236				
	10 RAW-FRESH OR NFS						0.01740	0.000023	0.000	0.000000000
	21 COOKED-NFS						0.01740	0.000016	0.000	0.000000000
	22 COOKED-FRESH-BAKED						0.01740	0.000010	0.000	0.000000000
03008AA	PECANS	0.200	P	0.000965	0.002	0.00000000405				
	10 RAW-FRESH OR NFS						0.00975	0.000007	0.000	0.000000000
	21 COOKED-NFS						0.00975	0.000001	0.000	0.000000000
	22 COOKED-FRESH-BAKED						0.00975	0.000011	0.000	0.000000000
	23 COOKED-FRESH-BOILED						0.00975	0.000023	0.000	0.000000000
	62 COOKED-FRESH OR FROZEN-BAKED						0.00975	0.000006	0.000	0.000000000
	CROP GROUP TOTALS FOR TREE NUTS:			0.001526	0.003	0.00000000641		0.000097	0.000	0.000000000
08048DA	PAPRIKA	0.200	P	0.000472	0.001	0.00000000198				
	00 NOT SPECIFIED						0.20000	0.000472	0.001	0.000000001
28080AA	PEPPERMINT	10.000	N	0.000010	0.000	0.00000000004				
	00 NOT SPECIFIED (NO CONSUMPTION)						10.00000	0.000010	0.000	0.000000000
28081AA	SPEARMINT	10.000	N	0.000010	0.000	0.00000000004				
	00 NOT SPECIFIED (NO CONSUMPTION)						10.00000	0.000010	0.000	0.000000000
	CROP GROUP TOTALS FOR HERBS AND SPICES:			0.000492	0.001	0.00000000207		0.000492	0.001	0.000000002
53001BA	BEEF-MEAT BYPRODUCTS	0.100	P	0.001766	0.004	0.00000000742				
	21 COOKED-NFS						0.00000	0.000000	0.000	0.000000000
	26 COOKED-FRESH-PICKLED,CORNED,OR CURED						0.00000	0.000000	0.000	0.000000000
53001BB	BEEF(ORGAN MEATS)-OTHER	0.100	P	0.000603	0.001	0.00000000253				
	21 COOKED-NFS						0.00000	0.000000	0.000	0.000000000
	51 COOKED-CANNED						0.00000	0.000000	0.000	0.000000000
53001DA	BEEF-DRIED	0.100	P	0.000253	0.001	0.00000000106				
	21 COOKED-NFS						0.00000	0.000000	0.000	0.000000000
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)	0.100	P	0.037208	0.074	0.00000015627				
	23 COOKED-FRESH-BOILED						0.00000	0.000000	0.000	0.000000000
	10 RAW-FRESH OR NFS						0.00000	0.000000	0.000	0.000000000
	21 COOKED-NFS						0.00000	0.000001	0.000	0.000000000
	22 COOKED-FRESH-BAKED						0.00000	0.000000	0.000	0.000000000
	24 COOKED-FRESH-BROILED						0.00000	0.000001	0.000	0.000000000
	25 COOKED-FRESH-FRIED						0.00000	0.000000	0.000	0.000000000
53001KA	BEEF(ORGAN MEATS)-KIDNEY	0.100	P	0.000048	0.000	0.00000000020				
	21 COOKED-NFS						0.00000	0.000000	0.000	0.000000000

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 05/17/91

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
53001LA	BEEF(ORGAN MEATS)-LIVER	0.100	P	0.002070	0.004	0.00000000869				
	25 COOKED-FRESH-FRIED						0.00000	0.000000	0.000	0.0000000(
	31 COOKED-FRESH OR CANNED						0.00000	0.000000	0.000	0.0000000(
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVEABLE FAT)	0.100	P	0.116199	0.232	0.00000048804				
	10 RAW-FRESH OR NFS						0.00000	0.000000	0.000	0.0000000(
	21 COOKED-NFS						0.00000	0.000003	0.000	0.0000000(
	22 COOKED-FRESH-BAKED						0.00000	0.000000	0.000	0.0000000(
	23 COOKED-FRESH-BOILED						0.00000	0.000000	0.000	0.0000000(
	24 COOKED-FRESH-BROILED						0.00000	0.000001	0.000	0.0000000(
53002BA	GOAT-MEAT BYPRODUCTS	0.100	P	0.000000	0.000	0.00000000000				
	00 NOT SPECIFIED						0.00000	0.000000	0.000	0.00000000
53002BB	GOAT(ORGAN MEATS)-OTHER	0.100	P	0.000000	0.000	0.00000000000				
	00 NOT SPECIFIED						0.00000	0.000000	0.000	0.00000000
53002FA	GOAT(BONELESS)-FAT	0.100	P	0.000004	0.000	0.00000000002				
	23 COOKED-FRESH-BOILED						0.00000	0.000000	0.000	0.00000000
	25 COOKED-FRESH-FRIED						0.00000	0.000000	0.000	0.00000000
53002KA	GOAT(ORGAN MEATS)-KIDNEY	0.100	P	0.000000	0.000	0.00000000000				
	00 NOT SPECIFIED						0.00000	0.000000	0.000	0.00000000
53002LA	GOAT(ORGAN MEATS)-LIVER	0.100	P	0.000000	0.000	0.00000000000				
	00 NOT SPECIFIED						0.00000	0.000000	0.000	0.00000000
53002MA	GOAT(BONELESS)-LEAN (W/O REMOVEABLE FAT)	0.100	P	0.000019	0.000	0.00000000008				
	23 COOKED-FRESH-BOILED						0.00000	0.000000	0.000	0.00000000
	25 COOKED-FRESH-FRIED						0.00000	0.000000	0.000	0.00000000
53003AA	HORSE	0.100	P	0.000000	0.000	0.00000000000				
	00 NOT SPECIFIED						0.00000	0.000000	0.000	0.00000000
53005BA	SHEEP-MEAT BYPRODUCTS	0.100	P	0.000005	0.000	0.00000000002				
	21 COOKED-NFS						0.00000	0.000000	0.000	0.00000000
53005BB	SHEEP(ORGAN MEATS)-OTHER	0.100	P	0.000002	0.000	0.00000000001				
	21 COOKED-NFS						0.00000	0.000000	0.000	0.00000000
53005FA	SHEEP(BONELESS)-FAT	0.100	P	0.000430	0.001	0.00000000181				
	21 COOKED-NFS						0.00000	0.000000	0.000	0.00000000
53005KA	SHEEP(ORGAN MEATS)-KIDNEY	0.100	P	0.000001	0.000	0.00000000000				
	21 COOKED-NFS						0.00000	0.000000	0.000	0.00000000
53005LA	SHEEP(ORGAN MEATS)-LIVER	0.100	P	0.000000	0.000	0.00000000000				
	00 NOT SPECIFIED						0.00000	0.000000	0.000	0.00000000(
53005MA	SHEEP(BONELESS)-LEAN (W/O REMOVEABLE FAT	0.100	P	0.001248	0.002	0.00000000524				
	21 COOKED-NFS						0.00000	0.000000	0.000	0.00000000(
	31 COOKED-FRESH OR CANNED						0.00000	0.000000	0.000	0.00000000(
53006BA	PORK-MEAT BYPRODUCTS	0.100	P	0.002508	0.005	0.00000001053				
	21 COOKED-NFS						0.00000	0.000000	0.000	0.00000000(
53006BB	PORK(ORGAN MEATS)-OTHER	0.100	P	0.000385	0.001	0.00000000162				
	21 COOKED-NFS						0.00000	0.000000	0.000	0.00000000(

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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	26 COOKED-FRESH-PICKLED,CORNED,OR CURED									
53006FA	PORK(BONELESS)-FAT (INCLUDING LARD)	0.100	P	0.020820	0.042	0.00000008744	0.00000	0.000000	0.000	0.0000000000
	10 RAW-FRESH OR NFS						0.00000	0.000000	0.000	0.0000000000
	21 COOKED-NFS						0.00000	0.000000	0.000	0.0000000000
	23 COOKED-FRESH-BOILED						0.00000	0.000000	0.000	0.0000000000
	25 COOKED-FRESH-FRIED						0.00000	0.000000	0.000	0.0000000000
	26 COOKED-FRESH-PICKLED,CORNED,OR CURED						0.00000	0.000000	0.000	0.0000000000
53006KA	PORK(ORGAN MEATS)-KIDNEY	0.100	P	0.000001	0.000	0.00000000000				
	21 COOKED-NFS									
53006LA	PORK(ORGAN MEATS)-LIVER	0.100	P	0.000482	0.001	0.00000000202	0.00000	0.000000	0.000	0.0000000000
	21 COOKED-NFS									
	25 COOKED-FRESH-FRIED						0.00000	0.000000	0.000	0.0000000000
53006MA	PORK(BONELESS)-LEAN (W/O REMOVEABLE FAT)	0.100	P	0.039125	0.078	0.00000016433	0.00000	0.000000	0.000	0.0000000000
	21 COOKED-NFS									
	25 COOKED-FRESH-FRIED						0.00000	0.000001	0.000	0.0000000000
	26 COOKED-FRESH-PICKLED,CORNED,OR CURED						0.00000	0.000000	0.000	0.0000000000
							0.00000	0.000001	0.000	0.0000000000
	CROP GROUP TOTALS FOR RED MEAT:			0.223177	0.446	0.00000093734		0.000008	0.000	0.0000000000
55008BA	TURKEY-BYPRODUCTS	0.100	P	0.000024	0.000	0.00000000010				
	21 COOKED-NFS									
	26 COOKED-FRESH-PICKLED,CORNED,OR CURED						0.00000	0.000000	0.000	0.0000000000
55008LA	TURKEY-GIBLETS (LIVER)	0.200	P	0.000011	0.000	0.00000000005	0.00000	0.000000	0.000	0.0000000000
	21 COOKED-NFS									
	25 COOKED-FRESH-FRIED						0.00000	0.000000	0.000	0.0000000000
55008MA	TURKEY-FLESH(W/O SKIN, W/O BONES)	0.100	P	0.000797	0.002	0.00000000335	0.00000	0.000000	0.000	0.0000000000
	21 COOKED-NFS									
	31 COOKED-FRESH OR CANNED						0.00000	0.000000	0.000	0.0000000000
	62 COOKED-FRESH OR FROZEN-BAKED						0.00000	0.000000	0.000	0.0000000000
55008MB	TURKEY-FLESH(+SKIN,W/O BONES)	0.100	P	0.004817	0.010	0.00000002023	0.00000	0.000000	0.000	0.0000000000
	21 COOKED-NFS									
	25 COOKED-FRESH-FRIED						0.00000	0.000000	0.000	0.0000000000
55008MC	TURKEY-UNSPECIFIED	0.100	P	0.000010	0.000	0.00000000004	0.00000	0.000000	0.000	0.0000000000
	21 COOKED-NFS									
55013BA	POULTRY,OTHER-BYPRODUCTS	0.100	P	0.000000	0.000	0.00000000000	0.00000	0.000000	0.000	0.0000000000
	00 NOT SPECIFIED									
55013LA	POULTRY,OTHER-GIBLETS(LIVER)	0.200	P	0.000046	0.000	0.00000000019	0.00000	0.000000	0.000	0.0000000000
	25 COOKED-FRESH-FRIED									
55013MA	POULTRY,OTHER-FLESH (+SKIN,W/O BONES)	0.100	P	0.000539	0.001	0.00000000226	0.00000	0.000000	0.000	0.0000000000
	21 COOKED-NFS									
55015BA	CHICKEN-BYPRODUCTS	0.100	P	0.000000	0.000	0.00000000000	0.00000	0.000000	0.000	0.0000000000
	00 NOT SPECIFIED									

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Benomyl Caswell #075A CAS No. 17804-35-2 A.I. CODE: 099101 CFR No. 180.294	3gen reprod- rat NOEL= 5.0000 mg/kg 100.00 ppm LEL= 25.0000 mg/kg 500.00 ppm ONCO: Class C (SAP/HED)	Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete.	ADI UF -->100 OPP RfD= 0.050000 EPA RfD= 0.050000 Q*: 0.00420	No data gaps. Q* calculated.	HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RIS
55015LA	CHICKEN-GIBLETS(LIVER)	0.200	P	0.001013	0.002	0.00000000425				
	21 COOKED-NFS						0.00000	0.000000	0.000	0.000000
	25 COOKED-FRESH-FRIED						0.00000	0.000000	0.000	0.000000
	26 COOKED-FRESH-PICKLED,CORNED,OR CURED						0.00000	0.000000	0.000	0.000000
55015MA	CHICKEN-FLESH(W/O SKIN,W/O BONES)	0.100	P	0.006014	0.012	0.00000002526				
	21 COOKED-NFS						0.00000	0.000000	0.000	0.000000
	22 COOKED-FRESH-BAKED						0.00000	0.000000	0.000	0.000000
	25 COOKED-FRESH-FRIED						0.00000	0.000000	0.000	0.000000
	31 COOKED-FRESH OR CANNED						0.00000	0.000000	0.000	0.000000
	53 COOKED-CANNED-BOILED						0.00000	0.000000	0.000	0.000000
55015MB	CHICKEN-FLESH(+SKIN,W/O BONES)	0.100	P	0.037932	0.076	0.00000015931				
	21 COOKED-NFS						0.00000	0.000001	0.000	0.000000
	25 COOKED-FRESH-FRIED						0.00000	0.000001	0.000	0.000000
	CROP GROUP TOTALS FOR POULTRY:			0.051203	0.102	0.00000021505		0.000002	0.000	0.000000
50000DB	MILK-NON-FAT SOLIDS	0.100	P	0.713635	1.427	0.00000299727				
	10 RAW-FRESH OR NFS						0.00001	0.000007	0.000	0.000000
	21 COOKED-NFS						0.00001	0.000001	0.000	0.000000
	51 COOKED-CANNED						0.00001	0.000000	0.000	0.000000
50000FA	MILK-FAT SOLIDS	0.100	P	0.339479	0.679	0.00000142581				
	10 RAW-FRESH OR NFS						0.00001	0.000002	0.000	0.000000
	21 COOKED-NFS						0.00001	0.000001	0.000	0.000000
	51 COOKED-CANNED						0.00001	0.000000	0.000	0.000000
50000SA	MILK SUGAR (LACTOSE)	0.100	P	0.003743	0.007	0.00000001572				
	21 COOKED-NFS						0.00001	0.000000	0.000	0.000000
	51 COOKED-CANNED						0.00001	0.000000	0.000	0.000000
55014AA	EGGS-WHOLE	0.100	P	0.056450	0.113	0.00000023709				
	10 RAW-FRESH OR NFS						0.00000	0.000000	0.000	0.000000
	21 COOKED-NFS						0.00000	0.000001	0.000	0.000000
	22 COOKED-FRESH-BAKED						0.00000	0.000000	0.000	0.000000
	23 COOKED-FRESH-BOILED						0.00000	0.000000	0.000	0.000000
	25 COOKED-FRESH-FRIED						0.00000	0.000001	0.000	0.000000
55014AB	EGGS-WHITE ONLY	0.100	P	0.000920	0.002	0.00000000386				
	10 RAW-FRESH OR NFS						0.00000	0.000000	0.000	0.000000
	21 COOKED-NFS						0.00000	0.000000	0.000	0.000000
	22 COOKED-FRESH-BAKED						0.00000	0.000000	0.000	0.000000
	62 COOKED-FRESH OR FROZEN-BAKED						0.00000	0.000000	0.000	0.000000
	81 COOKED-FROZEN						0.00000	0.000000	0.000	0.000000
55014AC	EGGS-YOLK ONLY	0.100	P	0.000663	0.001	0.00000000278				
	10 RAW-FRESH OR NFS						0.00000	0.000000	0.000	0.000000

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS DATE: 05/17/91 PAGE: 14

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
21	COOKED-NFS						0.00000	0.000000	0.000	0.00000000000
25	COOKED-FRESH-FRIED						0.00000	0.000000	0.000	0.00000000000
31	COOKED-FRESH OR CANNED						0.00000	0.000000	0.000	0.00000000000
	CROP GROUP TOTALS FOR DAIRY PRODUCTS:			1.114890	2.230	0.00000468254		0.000013	0.000	0.00000000005
GRAND TOTALS FOR U.S. POPULATION - 48 STATES				61.035512	122.071	0.00025634915		0.431250	0.863	0.00000181125

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