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

APR 23 1996

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: IPRODIONE: Reassessed Upper Bound Carcinogenic
Dietary Exposure and Risk Estimates Resulting From the
Deletion of Cowpeas and Peanut Hay.

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

THROUGH: Elizabeth Doyle, Section Head *E.A. Doyle*
Dietary Risk Evaluation Section
SAB/Health Effects Division *WJH*

TO: J. Housenger/V. Prunier
Special Review Branch
Special Review and Reregistration Division (7508W)

Action Requested

Conduct a carcinogenic dietary risk analyses for iprodione using refined anticipated residue information that resulted from the deletion of cowpeas and peanut hay.

Discussion

Using anticipated residue information based on PDP data, a carcinogenic and acute risk analysis was previously performed (See memo, B. Steinwand, 2/26/96) resulting in an upper bound cancer risk of 1.5×10^{-5} . A commodity contribution analysis was performed which showed milk products being responsible for 3.4×10^{-6} of the total risk.

The anticipated residues used in this analysis for milk were based on excluding peanut hay and cowpeas from the diet of dairy cattle. Consistent with this, the Registrant amended its label to prohibit feeding peanut hay and remove cowpeas from iprodione labels as risk reduction measures.

CBRS had advised that if peanut hay were excluded from animal diets, anticipated residues for milk would drop from 0.008 ppm to 0.0003 ppm for the national milkshed (See memo, J. Abbotts, 2/15/96). Thus, for the purpose of this analysis, the anticipated residue value used for milk products was 0.0003 ppm (down from 0.0073 ppm used in the previous analysis). Also, the commodity cowpeas was deleted from the risk analysis.

Toxicological Endpoint:

The HED Cancer Peer Review Committee met in 1994 and determined that iprodione should be classified as a group B2 carcinogen (probable human carcinogen) (E. Rinde and L. Taylor memo, 7/27/94). Calculations of Q_1^* s for both mice and rats are found in a B. Fisher memo, 7/19/94. The Q_1^* from the rat study used in this risk analysis was based upon interstitial cell benign tumor rates and was calculated to be $0.0439 \text{ (mg/kg/day)}^{-1}$. The 3/4 interspecies scaling factor was used to determine human equivalence of the unit risk derived from the animal study.

Residue Information

The raw agricultural commodities which are being considered in the carcinogenic and acute dietary analyses are the published tolerances in 40 CFR § 180.399 and 185.3750. A new tolerance on celery was included in the carcinogenic and acute analyses.

For upper bound carcinogenic risk CBRS provided specific anticipated residues for this analysis (See memo, J. Abbotts, 2/16/96). It should be noted that some anticipated residues were higher than previous estimates found in the J. Abbotts memo of 5/1/95. In a previous analysis (See memo, J. Wintersteen, 6/29/95) anticipated residues based on monitoring data were adjusted for percent crop treated data. BEAD has updated this data (Memo, 12/95, A. Halvorson) and this analysis reflects the revised values used in this analysis.

A summary of the residue information used in the carcinogenic analysis is attached as Table 1. A summary of the commodity contribution for the upper bound carcinogenic analysis is attached as Table 2.

Results

Upper Bound Carcinogenic Exposure

The upper bound carcinogenic risk from food uses of iprodione for the general U.S. population was calculated using the following equation:

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Upper Bound Cancer Risk = Dietary Exposure (ARC) x Q_1^*

Based on a Q_1^* of $0.0439 \text{ (mg/kg/day)}^{-1}$, the upper bound cancer risk was calculated to be 1.18×10^{-5} contributed through all the published and new uses for iprodione. The overall upper bound risk appears to be above the range the Agency generally considers negligible for excess life time cancer risk. A summary of the commodity contribution by raw agricultural commodity (RAC) for the overall U.S. population subgroup is attached as Table 2.

The following table lists some of the commodities which are driving the carcinogenic risk for iprodione.

Commodity	Upper Bound Cancer Risk
Wine and Sherry	3.06×10^{-6}
Peaches	4.9×10^{-6}

Acute Exposure:

The previous analysis (See memo, B. Steinwand, 2/26/96) showed a high end MOE value of 100, which is above the acceptable level and demonstrates no acute dietary concern. As the elimination of cowpeas and the subsequent reduction in anticipated residues for milk products would further reduce this risk, no additional analysis was performed.

Risk Assessment

The chronic and acute risk from iprodione seem to be minimal with the most concern for the carcinogenic estimate. Using a non-threshold model of carcinogenicity, the upper bound carcinogenic risk estimate exceeds the level the Agency generally considers negligible. As such, DRES has concern over the upper bound estimate of carcinogenic risk from iprodione.

cc: DRES; CDBS (J. Abbotts), Caswell 470A, RCAB

TABLE 1

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 470A

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750		2Yr feeding- rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)		Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M.).		ADI UF -->100 OPF RfD= 0.060000 EPA RfD= 0.040000 g*: 0.04390		No data gaps.		WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 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	7F3542	P 25.000000	0.361000	Monitor data	100.00	0.361000			
01002AA	BLACKBERRIES	21 COOKED-NFS	7F3542	P 25.000000	0.361000	Monitor data	100.00	0.361000			
01002AA	BLACKBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	7F3542	P 25.000000	0.361000	Monitor data	100.00	0.361000			
01003AA	BOYSENBERRIES	10 RAW-FRESH OR NFS	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000			
01004AA	DEMBERRIES	00 NOT SPECIFIED	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000			
01005AA	LOGANBERRIES	00 NOT SPECIFIED	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000			
01006AA	RASPBERRIES	10 RAW-FRESH OR NFS	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000			
01006AA	RASPBERRIES	15 RAW-FRESH OR CANNED	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000			
01006AA	RASPBERRIES	31 COOKED-FRESH OR CANNED	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000			
01006AA	RASPBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000			
01006AA	RASPBERRIES	70 RAW-FROZEN	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000			
01007AA	YOUNGBERRIES	00 NOT SPECIFIED	5E3214	P 15.000000	0.023000	Monitor data	100.00	0.023000			
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS	5E3214	P 15.000000	0.023000	Monitor data	100.00	0.023000			
01009AA	BLUEBERRIES	21 COOKED-NFS	5E3214	P 15.000000	0.023000	Monitor data	100.00	0.023000			
01009AA	BLUEBERRIES	22 COOKED-FRESH-BAKED	5E3214	P 15.000000	0.023000	Monitor data	100.00	0.023000			
01009AA	BLUEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	5E3214	P 15.000000	0.023000	Monitor data	100.00	0.023000			
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS	5E3214	P 15.000000	0.198000	Monitor data	100.00	0.198000			
01011AA	CURRANTS	21 COOKED-NFS	5E3214	P 15.000000	0.198000	Monitor data	100.00	0.198000			
01011AA	CURRANTS	22 COOKED-FRESH-BAKED	5E3214	P 15.000000	0.198000	Monitor data	100.00	0.198000			
01011AA	CURRANTS	10 RAW-FRESH OR NFS	3F2964	P 10.000000	0.074000	PDP	100.00	0.074000			
01014AA	GRAPES-FRESH	21 COOKED-NFS	3F2964	P 10.000000	0.074000	PDP	100.00	0.074000			
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS	3F2964	P 10.000000	0.333000	PDP+ Proc	100.00	0.333000			
01014AA	GRAPES-FRESH	31 COOKED-FRESH OR CANNED	3F2964	P 10.000000	0.333000	PDP+ Proc	100.00	0.333000			
01014AA	GRAPES-RAISINS	10 RAW-FRESH OR NFS	4H5415	P 50.000000	0.074000	PDP	100.00	0.074000			
01014AA	GRAPES-RAISINS	21 COOKED-NFS	4H5415	P 50.000000	0.074000	PDP	100.00	0.074000			
01014AA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED	4H5415	P 50.000000	0.074000	PDP	100.00	0.074000			
01014AA	GRAPES-RAISINS	10 RAW-FRESH OR NFS	3F2964	P 10.000000	0.074000	PDP+ Proc	100.00	0.074000			
01014AA	GRAPES-RAISINS	15 RAW-FRESH OR CANNED	3F2964	P 10.000000	0.074000	PDP+ Proc	100.00	0.074000			
01014AA	GRAPES-RAISINS	21 COOKED-NFS	7F3510	P 15.000000	0.266000	Monitor data	100.00	0.266000			
01014AA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED	7F3510	P 15.000000	0.266000	Monitor data	100.00	0.266000			
01014AA	GRAPES-RAISINS	70 RAW-FROZEN	7F3510	P 15.000000	0.266000	Monitor data	100.00	0.266000			
01016AA	STRAWBERRIES	10 RAW-FRESH OR NFS	5F3241	P 0.300000	0.100000	Field Trial	100.00	0.100000			
01016AA	STRAWBERRIES	21 COOKED-NFS	5F3241	P 0.300000	0.100000	Field Trial	100.00	0.100000			
01016AA	STRAWBERRIES	22 COOKED-FRESH-BAKED	5F3241	P 0.300000	0.100000	Field Trial	100.00	0.100000			
03001AA	ALMONDS	21 COOKED-NFS	5F3241	P 0.300000	0.100000	Field Trial	100.00	0.100000			
03001AA	ALMONDS	22 COOKED-FRESH-BAKED	5F3241	P 0.300000	0.100000	Field Trial	100.00	0.100000			
05001AA	APRICOTS-FRESH	10 RAW-FRESH OR NFS	3F2810	P 20.000000	0.041000	Monitor data	100.00	0.041000			
05001AA	APRICOTS-FRESH	21 COOKED-NFS	3F2810	P 20.000000	0.041000	Monitor data	100.00	0.041000			
05001AA	APRICOTS-FRESH	31 COOKED-FRESH OR CANNED	3F2810	P 20.000000	0.041000	Monitor data	100.00	0.041000			
05001AA	APRICOTS-FRESH	10 RAW-FRESH OR NFS	3F2810	P 20.000000	0.230000	Monitor + Conc	100.00	0.230000			
05001AA	APRICOTS-FRESH	22 COOKED-FRESH-BAKED	3F2810	P 20.000000	0.230000	Monitor + Conc	100.00	0.230000			
05001AA	APRICOTS-FRESH	10 RAW-FRESH OR NFS	2F2596	P 20.000000	0.340000	Monitor data	100.00	0.340000			

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FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
05002AA	CHERRIES-FRESH	21 COOKED-NFS	2F2596	P 20.000000	0.340000	Monitor data	100.00	0.340000
05002AA	CHERRIES-FRESH	31 COOKED-FRESH OR CANNED	2F2596	P 20.000000	0.340000	Monitor data	100.00	0.340000
05002AA	CHERRIES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	2F2596	P 20.000000	0.340000	Monitor data	100.00	0.340000
05002DA	CHEERIES-DRIED	00 NOT SPECIFIED	2F2596	P 20.000000	2.070000C	Monitor + Conc	100.00	2.070000
05002JA	CHEERIES-JUICE	15 RAW-FRESH OR CANNED	2F2596	P 20.000000	0.340000C	Monitor + Proc	100.00	0.340000
05002JA	CHEERIES-JUICE	21 COOKED-NFS	2F2596	P 20.000000	0.340000C	Monitor + Proc	100.00	0.340000
05003AA	NECTARINES	10 RAW-FRESH OR NFS	2F2596	P 20.000000	0.220000	Monitor data	100.00	0.220000
05004AA	PEACHES-FRESH	10 RAW-FRESH OR NFS	2F2596	P 20.000000	0.517000	PDP	100.00	0.517000
05004AA	PEACHES-FRESH	21 COOKED-NFS	2F2596	P 20.000000	0.517000	PDP	100.00	0.517000
05004AA	PEACHES-FRESH	31 COOKED-FRESH OR CANNED	2F2596	P 20.000000	0.517000	PDP	100.00	0.517000
05004AA	PEACHES-FRESH	51 COOKED-CANNED	2F2596	P 20.000000	0.517000	PDP	100.00	0.517000
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS	2F2596	P 20.000000	3.520000C	PDP + Conc	100.00	3.520000
05005AA	PLUMS-FRESH	21 COOKED-NFS	3F2810	P 20.000000	3.520000C	PDP + Conc	100.00	3.520000
05005AA	PLUMS-FRESH	10 RAW-FRESH OR NFS	3F2810	P 20.000000	0.069000	Monitor data	100.00	0.069000
05005DA	PLUMS-PRUNES	31 COOKED-FRESH OR CANNED	3F2810	P 20.000000	0.069000	Monitor data	100.00	0.069000
05005DA	PLUMS-PRUNES	10 RAW-FRESH OR NFS	3F2810	P 20.000000	0.276000C	Monitor + Proc	100.00	0.276000
05005DA	PLUMS-PRUNES	21 COOKED-NFS	3F2810	P 20.000000	0.276000C	Monitor + Proc	100.00	0.276000
05005DA	PRUNES	31 COOKED-FRESH OR CANNED	3F2810	P 20.000000	0.276000C	Monitor + Proc	100.00	0.276000
05005JA	PRUNE-JUICE	10 RAW-FRESH OR NFS	3F2810	P 20.000000	0.138000C	Monitor + Conc	100.00	0.138000
05005JA	PRUNE-JUICE	62 COOKED-FRESH OR FROZEN-BAKED	3F2810	P 20.000000	0.138000C	Monitor + Conc	100.00	0.138000
05005JA	PRUNE-JUICE	10 RAW-FRESH OR NFS	2F2596	P 10.000000	0.180000	Monitor data	100.00	0.180000
05005JA	KIWI	10 RAW-FRESH OR NFS	SFC.RV	N 0.005000	0.005000	PDP	100.00	0.005000
13002AA	CELERY	21 COOKED-NFS	SFC.RV	N 0.005000	0.005000	PDP	100.00	0.005000
13002AA	CELERY	21 COOKED-NFS	SFC.RV	N 0.005000	0.005000	PDP	100.00	0.005000
13005AA	BROCCOLI	21 COOKED-NFS	6F3305	P 25.000000	0.001600	Monitor data	100.00	0.001600
13005AA	BROCCOLI	31 COOKED-FRESH OR CANNED	6F3305	P 25.000000	0.001600	Monitor data	100.00	0.001600
13005AA	BROCCOLI	63 COOKED-FRESH OR FROZEN-BOILED	6F3305	P 25.000000	0.001600	Monitor data	100.00	0.001600
13005AA	BROCCOLI	21 COOKED-NFS	9E3390	P 15.000000	0.003400	Regional Tol-FL	100.00	0.003400
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	9E3390	P 15.000000	0.003400	Regional Tol-FL	100.00	0.003400
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	9E3390	P 15.000000	0.003400	Regional Tol-FL	100.00	0.003400
13013AA	LETTUCE-LEAFY	10 RAW-FRESH OR NFS	7F3481	P 25.000000	0.040000	Monitor data	100.00	0.040000
13020AA	LETTUCE-UNSPEC	10 RAW-FRESH OR NFS	7F3554	P 25.000000	0.040000	Monitor data	100.00	0.040000
13045AA	LETTUCE-HEAD	10 RAW-FRESH OR NFS	3F2840	P 25.000000	0.004800	Monitor data	100.00	0.004800
13045AA	LETTUCE-HEAD	21 COOKED-NFS	3F2840	P 25.000000	0.004800	Monitor data	100.00	0.004800
14003AA	CARROTS	10 RAW-FRESH OR NFS	7E3474	P 5.000000	0.021000	Monitor +PDP	100.00	0.021000
14003AA	CARROTS	21 COOKED-NFS	7E3474	P 5.000000	0.021000	Monitor +PDP	100.00	0.021000
14003AA	CARROTS	23 COOKED-FRESH-BOILED	7E3474	P 5.000000	0.021000	Monitor +PDP	100.00	0.021000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 470A

DATE: 04/16/96

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Iprodione (Glycophene)		2yr feeding- rat		Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).		ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000		No data gaps.		WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 On IRIS.	
Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750		NOEL= 6,1000 mg/kg 150.00 Ppm LEL= 12,4000 mg/kg 300.00 Ppm									
ONCO: B2 (HCPRC)						Q*: 0.04390					

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
14011AA	ONIONS-DRY-BULB	10 RAW-FRESH OR NFS	4F3111	P 0.500000	0.008800	Monitor data	100.00	0.008800
14011AA	ONIONS-DRY-BULB	21 COOKED-NFS	4F3111	P 0.500000	0.008800	Monitor data	100.00	0.008800
14011AA	ONIONS-DRY-BULB	22 COOKED-FRESH-BAKED	4F3111	P 0.500000	0.008800	Monitor data	100.00	0.008800
14011AA	ONIONS-DRY-BULB	31 COOKED-FRESH OR CANNED	4F3111	P 0.500000	0.008800	Monitor data	100.00	0.008800
14011DA	ONIONS-DRY-BULB	12 RAW-FRESH-BAKED	4F3111	P 0.500000	0.008800	Monitor data	100.00	0.008800
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	6F3366	P 0.500000	0.001400C PDP		100.00	0.001400
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	6F3366	P 0.500000	0.001400C PDP		100.00	0.001400
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	6F3366	P 0.500000	0.001400C PDP		100.00	0.001400
14013AB	POTATO(WH)-UNSP	22 COOKED-FRESH-BAKED	6F3366	P 0.500000	0.001400C PDP		100.00	0.001400
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	6F3366	P 0.500000	0.001400C PDP + Proc		100.00	0.001400
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	6F3366	P 0.500000	0.001400C PDP + Proc		100.00	0.001400
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOILED	6F3366	P 0.500000	0.001400C PDP + Proc		100.00	0.001400
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	6F3366	P 0.500000	0.001400C PDP + Proc		100.00	0.001400
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	6F3366	P 0.500000	0.001400C PDP data		100.00	0.001400
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	6F3366	P 0.500000	0.001400C PDP data		100.00	0.001400
14013HA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	6F3366	P 0.500000	0.001400C PDP + Proc		100.00	0.001400
14017AA	SHALLOTS	00 NOT SPECIFIED	4F3111	P 0.500000	0.008800	Monitor data	100.00	0.008800
15001AA	BEANS-DRY-GRT NO	00 NOT SPECIFIED	4F3150	P 2.000000	0.000050	Monitor data	100.00	0.000050
15001AB	BEANS-DRY-KIDNEY	21 COOKED-NFS	4F3150	P 2.000000	0.000050	Monitor data	100.00	0.000050
15001AB	BEANS-DRY-KIDNEY	31 COOKED-FRESH OR CANNED	4F3150	P 2.000000	0.000050	Monitor data	100.00	0.000050
15001AC	BEANS-DRY-LIMA	21 COOKED-NFS	4F3150	P 2.000000	0.000050	Monitor data	100.00	0.000050
15001AD	BEANS-DRY-NAVY	21 COOKED-NFS	4F3150	P 2.000000	0.000050	Monitor data	100.00	0.000050
15001AD	BEANS-DRY-NAVY	31 COOKED-FRESH OR CANNED	4F3150	P 2.000000	0.000050	Monitor data	100.00	0.000050
15001AF	BEANS-DRY-PINTO	21 COOKED-NFS	4F3150	P 2.000000	0.000050	Monitor data	100.00	0.000050
15002AA	BEANS-SUCC-LIMA	10 RAW-FRESH OR NFS	4F3150	P 2.000000	0.001600	Monitor data	100.00	0.001600
15002AA	BEANS-SUCC-LIMA	21 COOKED-NFS	4F3150	P 2.000000	0.001600	Monitor data	100.00	0.001600
15003AA	BEANS-SUCC-GREEN	21 COOKED-NFS	4F3150	P 2.000000	0.001600	Monitor data	100.00	0.001600
15003AB	BEANS-SUCC-OTH	10 RAW-FRESH OR NFS	4F3150	P 2.000000	0.001600	Monitor data	100.00	0.001600
15003AB	BEANS-SUCC-OTH	21 COOKED-NFS	4F3150	P 2.000000	0.001600	Monitor data	100.00	0.001600
15003AC	BEANS-SUCC-MAX	21 COOKED-NFS	4F3150	P 2.000000	0.001600	Monitor data	100.00	0.001600
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	4F3129	P 0.500000	0.075000	Field Trial	100.00	0.075000
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	4F3129	P 0.500000	0.075000	Field Trial	100.00	0.075000
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED	4F3129	P 0.500000	0.075000	Field Trial	100.00	0.075000
15013AA	MUNG BEANS	10 RAW-FRESH OR NFS	4F3150	P 2.000000	0.001600	Monitor data	100.00	0.001600
15013AA	MUNG BEANS	21 COOKED-NFS	4F3150	P 2.000000	0.001600	Monitor data	100.00	0.001600
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED	4F3150	P 2.000000	0.000050	Monitor data	100.00	0.000050
15022AB	BEANS-SUCC-BROAD	00 NOT SPECIFIED	4F3150	P 2.000000	0.001600	Monitor data	100.00	0.001600
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS	4F3150	P 2.000000	0.000050	Monitor data	100.00	0.000050
15027AA	BEANS-UNSPEC	21 COOKED-NFS	4F3150	P 2.000000	0.001600	Monitor data	100.00	0.001600
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED	4F3150	P 2.000000	0.000050	Monitor data	100.00	0.000050

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ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 470A

DATE: 04/16/96

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS
			ADI	UF -->100		
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2yr feeding- rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenic- ity in mice (liver; M&F) & rats (testicular; M).	OPR RfD= 0.060000 EPA RfD= 0.040000	0.04390	No data gaps.	HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 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)
15030AB	BEANS-SUCC-HYAC	00 NOT SPECIFIED	4F3150	P 2.000000	0.001600	Monitor data	100.00	0.001600
15031AA	BLKEYE PEAS-DRY	21 COOKED-NFS	4F3150	P 2.000000	0.000050	Monitor data	100.00	0.000050
15032A\	BEANS-DRY	21 COOKED-NFS	4F3150	P 2.000000	0.000050	Monitor data	100.00	0.000050
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED	4F3150	P 2.000000	0.000050	Monitor data	100.00	0.000050
24004AA	RICE-ROUGH	23 COOKED-FRESH-BOILED	6F3443	P 10.000000	0.570000	Field Trial	100.00	0.570000
24004AA	RICE-ROUGH	23 COOKED-FRESH-BOILED	6F3443	P 10.000000	0.570000	Field Trial	100.00	0.570000
24004AB	RICE-MILLED	21 COOKED-NFS	6F3443	P 10.000000	0.063000	Field + Proc	100.00	0.063000
24004AB	RICE-MILLED	22 COOKED-FRESH-BAKED	6F3443	P 10.000000	0.063000	Field + Proc	100.00	0.063000
24004AB	RICE-MILLED	23 COOKED-FRESH-BOILED	6F3443	P 10.000000	0.063000	Field + Proc	100.00	0.063000
24004AB	RICE-MILLED	31 COOKED-FRESH OR CANNED	6F3129	P 0.050000	0.012000	Field + Proc	100.00	0.012000
270070A	PEANUTS-OIL	18 PROCESSED OIL	3F2964	P 10.000000	0.830000	Monitor data	100.00	0.830000
43058AA	WINE AND SHERRY	10 RAW-FRESH OR NFS	3F2964	P 10.000000	0.830000	Monitor data	100.00	0.830000
43058AA	WINE AND SHERRY	21 COOKED-NFS	4F3129	P 0.500000	0.000300	Feeding sty	100.00	0.000300
50000DB	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	4F3129	P 0.500000	0.000300	Feeding sty	100.00	0.000300
50000DB	MILK-NON-FAT SOL	21 COOKED-NFS	4F3129	P 0.500000	0.000300	Feeding sty	100.00	0.000300
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	4F3129	P 0.500000	0.000300	Feeding sty	100.00	0.000300
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS	4F3129	P 0.500000	0.000300	Feeding sty	100.00	0.000300
50000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	4F3129	P 0.500000	0.000300	Feeding sty	100.00	0.000300
50000SA	MILK SUG (LACT)	21 COOKED-NFS	4F3129	P 0.500000	0.000300	Feeding sty	100.00	0.000300
50000SA	MILK SUG (LACT)	51 COOKED-CANNED	4F3129	P 0.500000	0.000300	Feeding sty	100.00	0.000300
53001BA	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	4F3129	P 0.500000	0.000870	Feeding sty	100.00	0.000870
53001BA	BEEF-MEAT BYP	21 COOKED-NFS	4F3129	P 0.500000	0.000870	Feeding sty	100.00	0.000870
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS	4F3129	P 0.500000	0.009900	Feeding sty	100.00	0.009900
53001BB	BEEF-OTH ORGAN	51 COOKED-CANNED	4F3129	P 0.500000	0.009900	Feeding sty	100.00	0.009900
53001DA	BEEF-DRIED	21 COOKED-NFS	4F3129	P 0.500000	0.002600	Feeding sty	100.00	0.002600
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	4F3129	P 0.500000	0.002600	Feeding sty	100.00	0.002600
53001FA	BEEF-FAT	21 COOKED-NFS	4F3129	P 0.500000	0.002600	Feeding sty	100.00	0.002600
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	4F3129	P 0.500000	0.002600	Feeding sty	100.00	0.002600
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	4F3129	P 0.500000	0.002600	Feeding sty	100.00	0.002600
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	4F3129	P 0.500000	0.002600	Feeding sty	100.00	0.002600
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	4F3129	P 0.500000	0.002600	Feeding sty	100.00	0.002600
53001KA	BEEF-KIDNEY	21 COOKED-NFS	3F2964	P 3.000000	0.009900	Feeding sty	100.00	0.009900
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	3F2964	P 3.000000	0.008200	Feeding sty	100.00	0.008200
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	3F2964	P 3.000000	0.008200	Feeding sty	100.00	0.008200
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS	4F3129	P 0.500000	0.000870	Feeding sty	100.00	0.000870
53001MA	BEEF-LEAN	21 COOKED-NFS	4F3129	P 0.500000	0.000870	Feeding sty	100.00	0.000870
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	4F3129	P 0.500000	0.000870	Feeding sty	100.00	0.000870
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	4F3129	P 0.500000	0.000870	Feeding sty	100.00	0.000870

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2Yr feeding- rat NOEL= 6.1000 mg/kg 150.00 ppm LEL= 12.4000 mg/kg 300.00 ppm ONCO: B2 (HPPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).	ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000 Q*: 0.04390	No data gaps.	WHO reviewed 1977 MED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 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)
53001MA	BEEF--LEAN	24 COOKED-FRESH-BROLLED	4F3129	P 0.500000	0.000870	Feeding styd	100.00	0.000870
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED	4F3129	P 0.500000	0.000870	Feeding styd	100.00	0.000870
53002BB	GOAT-OTH ORGAN	00 NOT SPECIFIED	4F3129	P 0.500000	0.009900	Feeding styd	100.00	0.009900
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED	4F3129	P 0.500000	0.002600	Feeding styd	100.00	0.002600
53002FA	GOAT-FAT	25 COOKED-FRESH-FRIED	4F3129	P 0.500000	0.002600	Feeding styd	100.00	0.002600
53002LA	GOAT-KIDNEY	00 NOT SPECIFIED	3F2964	P 3.000000	0.009900	Feeding styd	100.00	0.009900
53002LA	GOAT-LIVER	00 NOT SPECIFIED	3F2964	P 3.000000	0.008200	Feeding styd	100.00	0.008200
53002MA	GOAT-LEAN	23 COOKED-FRESH-BOILED	4F3129	P 0.500000	0.000870	Feeding styd	100.00	0.000870
53002MA	GOAT-LEAN	25 COOKED-FRESH-FRIED	4F3129	P 0.500000	0.000870	Feeding styd	100.00	0.000870
53003AA	HORSE	00 NOT SPECIFIED	4F3129	P 3.000000	3.000000	Tolerance	100.00	3.000000
53003BA	SHEEP-MEAT BYP	21 COOKED-NFS	4F3129	P 0.500000	0.000870	Feeding styd	100.00	0.000870
53003BB	SHEEP-OTH ORGAN	21 COOKED-NFS	4F3129	P 0.500000	0.009900	Feeding styd	100.00	0.009900
53003FA	SHEEP-FAT	21 COOKED-NFS	4F3129	P 0.500000	0.002600	Feeding styd	100.00	0.002600
53003KA	SHEEP-KIDNEY	21 COOKED-NFS	3F2964	P 3.000000	0.009900	Feeding styd	100.00	0.009900
53003LA	SHEEP-LIVER	00 NOT SPECIFIED	3F2964	P 3.000000	0.008200	Feeding styd	100.00	0.008200
53005MA	SHEEP-LEAN	21 COOKED-NFS	4F3129	P 0.500000	0.000870	Feeding styd	100.00	0.000870
53005MA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED	4F3129	P 0.500000	0.000870	Feeding styd	100.00	0.000870
53006BA	PORK-MEAT BYP	21 COOKED-NFS	4F3129	P 0.500000	0.004300	Feeding styd	100.00	0.004300
53006BB	PORK-OTH ORGAN	21 COOKED-NFS	4F3129	P 0.500000	0.004300	Feeding styd	100.00	0.004300
53006BB	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	4F3129	P 0.500000	0.004300	Feeding styd	100.00	0.004300
53006FA	PORK-FAT	10 RAW-FRESH OR NFS	4F3129	P 0.500000	0.001100	Feeding styd	100.00	0.001100
53006FA	PORK-FAT	21 COOKED-NFS	4F3129	P 0.500000	0.001100	Feeding styd	100.00	0.001100
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED	4F3129	P 0.500000	0.001100	Feeding styd	100.00	0.001100
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED	4F3129	P 0.500000	0.001100	Feeding styd	100.00	0.001100
53006FA	PORK-FAT	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	4F3129	P 0.500000	0.001100	Feeding styd	100.00	0.001100
53006KA	PORK-KIDNEY	21 COOKED-NFS	3F2964	P 3.000000	0.004300	Feeding styd	100.00	0.004300
53006LA	PORK-LIVER	21 COOKED-NFS	3F2964	P 3.000000	0.003500	Feeding styd	100.00	0.003500
53006LA	PORK-LIVER	25 COOKED-FRESH-FRIED	3F2964	P 3.000000	0.003500	Feeding styd	100.00	0.003500
53006LA	PORK-LEAN	21 COOKED-NFS	4F3129	P 0.500000	0.000370	Feeding styd	100.00	0.000370
53006LA	PORK-LEAN	25 COOKED-FRESH-FRIED	4F3129	P 0.500000	0.000370	Feeding styd	100.00	0.000370
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	4F3129	P 0.500000	0.000370	Feeding styd	100.00	0.000370
53006MA	PORK-LEAN	21 COOKED-NFS	6F3443	P 1.000000	0.000570	Feeding styd	100.00	0.000570
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	6F3443	P 1.000000	0.000570	Feeding styd	100.00	0.000570
550008BA	TURKEY-BYP	21 COOKED-NFS	6F3443	P 5.000000	0.010400	Feeding styd	100.00	0.010400
550008BA	TURKEY-BYP	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	6F3443	P 5.000000	0.010400	Feeding styd	100.00	0.010400
550008LA	TURKEY ORGAN	25 COOKED-FRESH-FRIED	6F3443	P 1.000000	0.000570	Feeding styd	100.00	0.000570
550008MA	TURKEY W/O SKIN	21 COOKED-NFS	6F3443	P 1.000000	0.000570	Feeding styd	100.00	0.000570
550008MA	TURKEY W/O SKIN	31 COOKED-FRESH OR CANNED	6F3443	P 1.000000	0.000570	Feeding styd	100.00	0.000570
550008MA	TURKEY W/O SKIN	62 COOKED-FRESH OR FROZEN-BAKED	6F3443	P 1.000000	0.000570	Feeding styd	100.00	0.000570
550008MB	TURKEY+SKIN	21 COOKED-NFS	6F3443	P 3.500000	0.004400	Feeding styd	100.00	0.004400
550008MB	TURKEY+SKIN	25 COOKED-FRESH-FRIED	6F3443	P 3.500000	0.004400	Feeding styd	100.00	0.004400

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 470A

DATE: 04/16/96

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750		2yr feeding- rat NOEL= 6,1000 mg/kg 150.00 ppm LEI= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)		Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenic- ity in mice (liver; M&F) & rats (testicular; M).		ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000		No data gaps.		WHO reviewed 1977 EPA reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 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)
55008MC	TURKEY-UNSPEC	21 COOKED-NFS	6F3443	1.000000	0.004400	Feeding stdy	100.00	0.004400
55013BA	POULTRY,OTH-BYP	00 NOT SPECIFIED	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
55013LA	POULTRY,ORGAN	25 COOKED-FRESH-FRIED	6F3443	5.000000	0.010400	Feeding stdy	100.00	0.010400
55013MA	POULTRY,OTHER	21 COOKED-NFS	6F3443	3.500000	0.004400	Feeding stdy	100.00	0.004400
55014AA	EGGS-WHOLE	10 RAW-FRESH OR NFS	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AA	EGGS-WHOLE	21 COOKED-NFS	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AA	EGGS-WHOLE	22 COOKED-FRESH-BAKED	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AA	EGGS-WHOLE	23 COOKED-FRESH-BOILED	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AA	EGGS-WHOLE	25 COOKED-FRESH-FRIED	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AB	EGGS-WHITE ONLY	10 RAW-FRESH OR NFS	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AB	EGGS-WHITE ONLY	21 COOKED-NFS	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AB	EGGS-WHITE ONLY	22 COOKED-FRESH-BAKED	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AB	EGGS-WHITE ONLY	62 COOKED-FRESH OR FROZEN-BAKED	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AB	EGGS-WHITE ONLY	81 COOKED-FROZEN	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AC	EGGS-YOLK ONLY	10 RAW-FRESH OR NFS	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AC	EGGS-YOLK ONLY	21 COOKED-NFS	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AC	EGGS-YOLK ONLY	25 COOKED-FRESH-FRIED	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AC	EGGS-YOLK ONLY	31 COOKED-FRESH OR CANNED	6F3443	1.500000	0.000570	Feeding stdy	100.00	0.000570
55014AC	EGGS-YOLK ONLY	00 NOT SPECIFIED	6F3443	1.000000	0.010400	Feeding stdy	100.00	0.010400
55015BA	CHICKEN-BYP	21 COOKED-NFS	6F3443	5.000000	0.010400	Feeding stdy	100.00	0.010400
55015LA	CHICKEN-ORGAN	25 COOKED-FRESH-FRIED	6F3443	5.000000	0.010400	Feeding stdy	100.00	0.010400
55015LA	CHICKEN-ORGAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	6F3443	5.000000	0.010400	Feeding stdy	100.00	0.010400
55015LA	CHICKEN-W/O SKIN	21 COOKED-NFS	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
55015MA	CHICKEN-W/O SKIN	22 COOKED-FRESH-BAKED	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
55015MA	CHICKEN-W/O SKIN	25 COOKED-FRESH-FRIED	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
55015MA	CHICKEN-W/O SKIN	31 COOKED-FRESH OR CANNED	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
55015MA	CHICKEN-W/O SKIN	53 COOKED-CANNED-BOILED	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
55015MB	CHICKEN+SKIN	21 COOKED-NFS	6F3443	3.500000	0.004400	Feeding stdy	100.00	0.004400
55015MB	CHICKEN+SKIN	25 COOKED-FRESH-FRIED	6F3443	3.500000	0.004400	Feeding stdy	100.00	0.004400

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
1prodione (Glycophene) Caswell #470A CAS No. 36754-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2yr feeding- rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12.4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenic- ity in mice (liver; M&F) & rats (testicular; M).	ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000 q*: 0.04390	No data gaps.	WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 On IRIS.

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE		TMRC	TMRC	ANTICIPATED				
		(PPM)	TYPE (UG/KG/DAY)			%RFD	ONCO RISK	ARC RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD
06018AA	KIWI	10.000	P	0.000191	0.000	0.00000000838	0.18000	0.000003	0.000	0.00000000013
43058AA	10 RAW-FRESH OR NFS									
	WINE AND SHERRY	10.000	P	0.841956	1.403	0.00003696187	0.83000	0.069054	0.115	0.00000303147
	10 RAW-FRESH OR NFS						0.83000	0.000828	0.001	0.000000003635
	21 COOKED-NFS									
CROP GROUP TOTALS FOR UNSPECIFIED:				0.842147	1.404	0.00003697025	0.069885	0.116		0.00000306795

CROP	DESCRIPTION	UNIT	YIELD	PRICE	TOTAL	VARIATION
14003AA	CARROTS					
	10 RAW-FRESH OR NFS	P	5.000	0.867397	1.446	0.00003807873
	21 COOKED-NFS					0.02100 0.000843 0.001
	23 COOKED-FRESH-BOILED					0.02100 0.001067 0.002
	31 COOKED-FRESH OR CANNED					0.02100 0.000191 0.000
	51 COOKED-CANNED					0.02100 0.000697 0.001
14013AA	POTATOES(WHITE)-WHOLE	P	0.500	0.170029	0.283	0.00000746427
	10 RAW-FRESH OR NFS					0.00140 0.000064 0.000
	21 COOKED-NFS					0.00140 0.000210 0.000
	22 COOKED-FRESH-BAKED					0.00140 0.000202 0.000
14013AB	POTATOES(WHITE)-UNSPECIFIED	P	0.500	0.000041	0.000	0.00000000180
	22 COOKED-FRESH-BAKED					0.00140 0.000000 0.000
14013AC	POTATOES(WHITE)-PEELED	P	0.500	0.392129	0.654	0.00001721446
	21 COOKED-NFS					0.00140 0.000101 0.000
	22 COOKED-FRESH-BAKED					0.00140 0.000060 0.000
	23 COOKED-FRESH-BOILED					0.00140 0.000607 0.001
	25 COOKED-FRESH-FRIED					0.00140 0.000330 0.001
14013DA	POTATOES(WHITE)-DRY	P	0.500	0.004223	0.007	0.00000018539
	10 RAW-FRESH OR NFS					0.00140 0.000001 0.000
	31 COOKED-FRESH OR CANNED					0.00140 0.000001 0.000
14013HA	POTATOES(WHITE)-PEEL ONLY	P	0.500	0.000011	0.000	0.00000000048
	22 COOKED-FRESH-BAKED					0.00140 0.000000 0.000
CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:						
			1.433830	2.390	0.00006294514	0.005220
						0.009
						0.00000022916

CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:		1.433830	2.390	0.00006294514	0.005220	0.009	0.000000022916
14007AA	GARLIC	0.100	P	0.000076	0.000	0.00000000334	
	10 RAW-FRESH OR NFS				0.00880	0.000000	0.000000000000
	21 COOKED-NFS				0.00880	0.000004	0.000000000018
	32 COOKED-FRESH OR CANNED-BAKED				0.00880	0.000002	0.000000000009
14011AA	ONIONS-DRY-BULB (CIPOLLINI)	0.500	P	0.053031	0.088	0.00000232806	
	10 RAW-FRESH OR NFS				0.00880	0.000163	0.000000000716
	21 COOKED-NFS				0.00880	0.000623	0.00000002735
	22 COOKED-FRESH-BAKED				0.00880	0.000091	0.000000000399

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CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Iprodione (Glycophene)		2yr feeding- rat		Enlargement of the cells of the zona glomerulosa in M&F.		ADI UF -->100 OPP RfD = 0.0600000 EPA RfD = 0.0400000		No data gaps.		WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 On IRIS.	
Casswell #470A		MOEL= 6.1000 mg/kg									
CAS No. 36734-19-7		150.00 ppm		Evidence of carcinogenicity in mice (liver; M&F)							
A.I. CODE: 109801		300.00 mg/kg									
CFR No. 180.359		300.00 ppm									
185.3750		ONCO: B2 (H&PRC)		q*: 0.04390							

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

FOOD CODE	FOODNAME/FOOD FORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%FED	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%FED	ARC ONCO RISK
14011DA	31 COOKED-FRESH OR CANNED ONIONS-DEHYDRATED OR DRIED	0.500	P	0.000536	0.001	0.00000002353	0.00880	0.000056	0.000	0.00000000246
14017AA	12 RAW-FRESH-DRIED SHALLOTS	0.500	P	0.000153	0.000	0.00000000672	0.00880	0.000009	0.000	0.00000000040
	00 NOT SPECIFIED						0.00880	0.000003	0.000	0.00000000013
CROP GROUP TOTALS FOR BULB VEGETABLES:										
				0.053796	0.090	0.00000236164		0.000951	0.002	0.000000004175
13002AA	CELERY	0.005	N	1.524027	2.540	0.00006690479	0.00500	0.000239	0.000	0.00000001049
	10 RAW-FRESH OR NFS						0.00500	0.000066	0.000	0.00000000290
13013AA	21 COOKED-NFS						0.00500	0.000066	0.000	0.00000000290
13013AA	LETTUCE-LEAFY VARIETIES	25.000	P	0.110820	0.185	0.000000486500	0.04000	0.000177	0.000	0.00000000077
13020AA	10 RAW-FRESH OR NFS	25.000	P	0.230020	0.383	0.00001009788	0.04000	0.000368	0.001	0.00000001616
13020AA	LETTUCE-UNSPECIFIED	25.000	P	0.230020	0.383	0.00001009788	0.04000	0.000368	0.001	0.00000001616
13045AA	10 RAW-FRESH OR NFS	25.000	P	5.307008	8.845	0.00023297765	0.00480	0.001000	0.002	0.00000004390
13045AA	LETTUCE-HEAD VARIETIES	25.000	P	5.307008	8.845	0.00023297765	0.00480	0.001000	0.002	0.00000004390
	10 RAW-FRESH OR NFS						0.00480	0.000019	0.000	0.00000000083
21	COOKED-NFS						0.00480	0.000019	0.000	0.00000000083
CROP GROUP TOTALS FOR LEAFY VEGETABLES (EXCL. BRASSICAE):										
				7.171875	11.953	0.00031484531		0.001869	0.003	0.000000008205
13005AA	BROCCOLI	25.000	P	1.228238	2.047	0.00005391965	0.00160	0.000005	0.000	0.00000000022
	21 COOKED-NFS						0.00160	0.000005	0.000	0.00000000022
13010AA	31 COOKED-FRESH OR CANNED						0.00160	0.000065	0.000	0.00000000285
13010AA	63 COOKED-FRESH OR FROZEN-BOILED						0.00160	0.000008	0.000	0.00000000035
13010AA	CABBAGE-CHINESE/CELERY, INC. BOK CHOY	15.000	P	0.068448	0.114	0.00000300487	0.00340	0.000001	0.000	0.00000000004
	10 RAW-FRESH OR NFS						0.00340	0.000015	0.000	0.00000000066
21	COOKED-NFS						0.00340	0.000015	0.000	0.00000000066
CROP GROUP TOTALS FOR BRASSICA (COLE) LEAFY VEGETABLES:										
				1.296686	2.161	0.00005692452		0.000094	0.000	0.000000000413
15001AA	BEANS-DRY-GREAT NORTHERN	2.000	P	0.000002	0.000	0.00000000009	0.00005	0.000000	0.000	0.00000000000
	00 NOT SPECIFIED						0.00005	0.000000	0.000	0.00000000000
15001AB	BEANS-DRY-KIDNEY	2.000	P	0.027263	0.045	0.00000119685	0.00005	0.000001	0.000	0.00000000004
	21 COOKED-NFS						0.00005	0.000000	0.000	0.00000000000
15001AC	31 COOKED-FRESH OR CANNED						0.00005	0.000000	0.000	0.00000000000
15001AC	BEANS-DRY-LIMA	2.000	P	0.015978	0.027	0.00000070143	0.00005	0.000000	0.000	0.00000000000
	21 COOKED-NFS						0.00005	0.000000	0.000	0.00000000000
15001AD	BEANS-DRY-NAVY (PEA)	2.000	P	0.074815	0.125	0.00000328438	0.00005	0.000000	0.000	0.00000000000
	21 COOKED-NFS						0.00005	0.000000	0.000	0.00000000000
15001AD	31 COOKED-FRESH OR CANNED						0.00005	0.000001	0.000	0.00000000004

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CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Iprodione (Glycophane) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750		2Yr feeding- rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm		Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenic- ity in mice (liver; M&F) & rats (testicular; M.).		ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000		No data gaps.		WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 On IRIS.	
COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES											
FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC (UG/KG/DAY)	TYPE	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK	
15001AF	BEANS-DRY-PINTO 21 COOKED-NFS	2.000	0.072700	P	0.121	0.00000319153	0.00005	0.000002	0.000	0.00000000009	
15002AA	BEANS-SUCCULENT-L-LIMA 10 RAW-FRESH OR NFS	2.000	0.051330	P	0.086	0.00000225339	0.00160	0.000000	0.000	0.00000000000	
15003AA	BEANS-SUCCULENT-GREEN 21 COOKED-NFS	2.000	0.400100	P	0.667	0.00001756439	0.00160	0.000041	0.000	0.00000000180	
15003AB	BEANS-SUCCULENT-OTHER 10 RAW-FRESH OR NFS	2.000	0.052768	P	0.088	0.00000231652	0.00160	0.000320	0.001	0.00000001405	
15003AC	BEANS-SUCCULENT-YELLOW,MAX 21 COOKED-NFS	2.000	0.010927	P	0.018	0.00000047970	0.00160	0.000000	0.000	0.00000000000	
15006AA	PEANUTS-WHOLE 10 RAW-FRESH OR NFS	0.500	0.034789	P	0.058	0.00000152724	0.00160	0.000009	0.000	0.00000000040	
15013AA	MUNG BEANS (SPROUTS). 22 COOKED-FRESH-BAKED 10 RAW-FRESH OR NFS	2.000	0.013304	P	0.022	0.00000058405	0.00160	0.000001	0.000	0.00000000004	
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED) 00 NOT SPECIFIED	2.000	0.000002	P	0.000	0.00000000009	0.00005	0.000000	0.000	0.00000000000	
15022AB	BEANS-SUCCULENT-BROADBEANS(1MMAT. SEED) 00 NOT SPECIFIED	2.000	0.000002	P	0.000	0.00000000009	0.00160	0.000000	0.000	0.00000000000	
15023AA	BEANS-DRY-PIGEON BEANS 21 COOKED-NFS	2.000	0.000071	P	0.000	0.00000000312	0.00005	0.000000	0.000	0.00000000000	
15027AA	BEANS-UNSPECIFIED 21 COOKED-NFS	2.000	0.010469	P	0.017	0.00000045959	0.00160	0.000008	0.000	0.00000000035	
15030AA	BEANS-DRY-HYACINTH(MATURE SEEDS) 00 NOT SPECIFIED	2.000	0.000002	P	0.000	0.00000000009	0.00005	0.000000	0.000	0.00000000000	
15030AB	BEANS-SUCCULENT-HYACINTH(YOUNG PODS) 00 NOT SPECIFIED	2.000	0.000002	P	0.000	0.00000000009	0.00160	0.000000	0.000	0.00000000000	
15031AA	BEANS-DRY-BLACKEYE PEAS(COMPEAS) 21 COOKED-NFS	2.000	0.004947	P	0.008	0.00000021717	0.00005	0.000000	0.000	0.00000000000	
15032AA	BEANS-DRY-GARBANZO(CHICK PEA) 21 COOKED-NFS	2.000	0.001052	P	0.002	0.00000004618	0.00005	0.000000	0.000	0.00000000000	
270070A	PEANUTS-OIL 18 PROCESSED, OIL	0.050	0.002613	P	0.004	0.00000011471	0.01200	0.000063	0.000	0.00000000277	
CROP GROUP TOTALS FOR LEGUME VEGETABLES:		0.773136	1.289	0.00003394067			0.005716	0.010	0.00000025093		

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CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750		2yr feeding- rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)		Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenic- ity in mice (liver; M&F) & rats (testicular; M).		ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000 Q*: 0.04390		No data gaps.		WHO reviewed 1977 HEP reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 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	
05001AA	APRICOTS-FRESH 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	20.000	P	0.673786	1.123	0.00002957921	0.04100 0.04100 0.04100 0.04100	0.000234 0.000319 0.000828	0.000 0.001 0.001	0.00000001027 0.00000001400 0.00000003635	
05001DA	APRICOTS-DRIED 10 RAW-FRESH OR NFS 22 COOKED-FRESH-BAKED	20.000	P	0.048480	0.081	0.00000212827	0.23000 0.23000	0.000079 0.000014	0.000 0.000	0.00000000347 0.00000000061	
05002AA	CHERRIES-FRESH 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED 62 COOKED-FRESH OR FROZEN-BAKED	20.000	P	0.643508	1.073	0.00002825000	0.34000 0.34000 0.34000 0.34000	0.002508 0.001500 0.004265 0.002667	0.004 0.003 0.007 0.004	0.00000011010 0.00000006585 0.00000018723 0.00000011708	
05002DA	CHERRIES-DRIED 00 NOT SPECIFIED	20.000	P	0.000080	0.000	0.00000000351	2.07000	0.000002	0.000	0.00000000009	
05002JA	CHERRIES-JUICE 15 RAW-FRESH OR CANNED 21 COOKED-NFS	20.000	P	0.102240	0.170	0.00000448834	0.34000 0.34000	0.001063 0.000096	0.002 0.000	0.00000004667 0.00000000421	
05003AA	NECTARINES 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	20.000	P	0.259324	0.432	0.00001138432	0.22000	0.002853	0.005	0.00000012525	
05004AA	PEACHES-FRESH 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED 51 COOKED-CANNED	20.000	P	4.307832	7.180	0.00018911382	0.51700 0.51700 0.51700 0.51700	0.051945 0.005085 0.041300 0.013028	0.087 0.008 0.069 0.022	0.00000228039 0.00000022323 0.00000181307 0.00000057193	
05004DA	PEACHES-DRIED 10 RAW-FRESH OR NFS 21 COOKED-NFS	20.000	P	0.006944	0.012	0.00000030484	3.52000 3.52000	0.000093 0.000082	0.000 0.000	0.00000000408 0.00000000360	
05005AA	PLUMS(DAMSONS)-FRESH 10 RAW-FRESH OR NFS 31 COOKED-FRESH OR CANNED	20.000	P	0.497252	0.829	0.00002182936	0.06900 0.06900	0.001284 0.000431	0.002 0.001	0.00000005637 0.00000001892	
05005DA	PLUMS-PRUNES(DRIED) 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	20.000	P	0.348426	0.581	0.00001529590	0.27600 0.27600 0.27600	0.000170 0.001197 0.000236	0.000 0.002 0.000	0.00000000746 0.00000005255 0.00000001036	
05005JA	PLUMS/PRUNE-JUICE 10 RAW-FRESH OR NFS 62 COOKED-FRESH OR FROZEN-BAKED	20.000	P	0.385134	0.642	0.00001690738	0.13800 0.13800	0.001895 0.000003	0.003 0.000	0.000000008319 0.00000000013	
CROP GROUP TOTALS FOR STONE FRUITS:				7.273006	12.122	0.00031928496	0.133177		0.222	0.00000584647	

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CHEMICAL INFORMATION			STUDY TYPE		EFFECTS		REFERENCE DOSES			DATA GAPS/COMMENTS		STATUS	
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750			2yr feeding- rat NOEL= 6.1000 mg/kg 150.00 ppm LEL= 12.4000 mg/kg 300.00 ppm		Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).		ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000			No data gaps.		MHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 MHO reviewed 1992 RfD/PR reviewed 02/10/94 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			
01002AA	BLACKBERRIES 10 RAW-FRESH OR NFS 21 COOKED-NFS 62 COOKED-FRESH OR FROZEN-BAKED	25.000	P	0.160670	0.268	0.00000705341	0.36100 0.36100 0.36100	0.000288 0.001028 0.001005	0.000 0.002 0.002	0.00000001264 0.00000004513 0.00000004412			
01003AA	BOYSENBERRIES 10 RAW-FRESH OR NFS 00 NOT SPECIFIED	25.000	P	0.018283	0.030	0.00000080262	0.19800	0.000145	0.000	0.00000000637			
01004AA	DEMBERRIES 00 NOT SPECIFIED	25.000	P	0.058575	0.098	0.00000257144	0.19800	0.000464	0.001	0.00000002037			
01005AA	LOGANBERRIES 00 NOT SPECIFIED	25.000	P	0.005100	0.009	0.00000022389	0.19800	0.000404	0.001	0.00000001774			
01006AA	RASPBERRIES 10 RAW-FRESH OR NFS 15 RAW-FRESH OR CANNED 31 COOKED-FRESH OR CANNED 62 COOKED-FRESH OR FROZEN-BAKED 70 RAW-FROZEN	25.000	P	0.071652	0.119	0.00000314552	0.19800 0.19800 0.19800 0.19800 0.19800	0.000341 0.000064 0.000054 0.000056 0.000053	0.001 0.000 0.000 0.000 0.000	0.00000001497 0.00000000281 0.00000000237 0.00000000246 0.00000000233			
01007AA	YOUNGBERRIES 00 NOT SPECIFIED	25.000	P	0.008925	0.015	0.00000039181	0.19800	0.000071	0.000	0.00000000312			
01009AA	BLUEBERRIES 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED 62 COOKED-FRESH OR FROZEN-BAKED	15.000	P	0.135711	0.226	0.00000595771	0.02300 0.02300 0.02300 0.02300	0.000123 0.000025 0.000011 0.000049	0.000 0.000 0.000 0.000	0.00000000540 0.00000000110 0.00000000048 0.00000000215			
01011AA	CURRANTS 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED	15.000	P	0.008193	0.014	0.00000035967	0.19800 0.19800 0.19800	0.000003 0.000000 0.000105	0.000 0.000 0.000	0.00000000013 0.00000000000 0.00000000461			
01014AA	GRAPE-FRESH 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	10.000	P	0.437931	0.730	0.00001922517	0.07400 0.07400 0.07400	0.001795 0.000060 0.001386	0.003 0.000 0.002	0.00000007880 0.00000000263 0.00000000685			
01014DA	GRAPE-RAISINS 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED	50.000	P	0.848650	1.414	0.00003725574	0.33300 0.33300 0.33300	0.003405 0.000320 0.001927	0.006 0.001 0.003	0.00000014948 0.00000001405 0.000000008460			
01014JA	GRAPE-JUICE 10 RAW-FRESH OR NFS 15 RAW-FRESH OR CANNED 21 COOKED-NFS	10.000	P	1.081152	1.802	0.00004746257	0.07400 0.07400 0.07400	0.000619 0.005803 0.000245	0.001 0.010 0.000	0.00000002717 0.000000025475 0.00000001076			
0116AA	STRAWBERRIES 10 RAW-FRESH OR NFS	15.000	P	0.520633	0.868	0.00002285579	0.26600	0.006438	0.011	0.00000028263			

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3.355475	5.592	0.00014730535
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1.583227	2.639	0.00006950361
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0.000281	0.000	0.00000001234
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0.000841	0.001	0.00000003692
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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Iprodione (Glycophene) Caswell #4704 CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750		2yr feeding - rat NOEL= 6,100 mg/kg 150.00 ppm LEL= 12,400 mg/kg 300.00 ppm		Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenic- ity in mice (liver; M&F) & rats (testicular; M).		ADI UF -->100 OP RfD= 0.060000 EPA RfD= 0.040000 Q*: 0.04390		No data gaps.		WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 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
53001LA	BEEF(ORGAN MEATS)-LIVER 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED	3.000	P	0.062094	0.103	0.00000272593	0.00820 0.00820	0.000167 0.000002	0.000 0.000	0.00000000733 0.00000000009
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVEABLE FAT) 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED 23 COOKED-FRESH-BOILED 24 COOKED-FRESH-BROILED	0.500	P	0.580995	0.968	0.00002550568	0.00087 0.00087 0.00087 0.00087 0.00087	0.000000 0.000602 0.000041 0.000064 0.000303	0.000 0.001 0.000 0.000 0.001	0.00000000000 0.00000002643 0.00000000180 0.00000000281 0.00000001350
53002BA	GOAT-MEAT BYPRODUCTS 00 NOT SPECIFIED	0.500	P	0.000000	0.000	0.00000000000	0.00087	0.000000	0.000	0.00000000000
53002BB	GOAT(ORGAN MEATS)-OTHER 00 NOT SPECIFIED	0.500	P	0.000000	0.000	0.00000000000	0.00990	0.000000	0.000	0.00000000000
53002FA	GOAT(BONELESS)-FAT 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	0.500	P	0.000020	0.000	0.00000000088	0.00260 0.00260	0.000000 0.000000	0.000 0.000	0.00000000000 0.00000000000
53002KA	GOAT(ORGAN MEATS)-KIDNEY 00 NOT SPECIFIED	3.000	P	0.000003	0.000	0.00000000013	0.00990	0.000000	0.000	0.00000000000
53002LA	GOAT(ORGAN MEATS)-LIVER 00 NOT SPECIFIED	3.000	P	0.000003	0.000	0.00000000013	0.00820	0.000000	0.000	0.00000000000
53002MA	GOAT(BONELESS)-LEAN (W/O REMOVEABLE FAT) 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	0.500	P	0.000095	0.000	0.00000000417	0.00087 0.00087	0.000000 0.000000	0.000 0.000	0.00000000000 0.00000000000
53003AA	HORSE 00 NOT SPECIFIED	3.000	P	0.000003	0.000	0.00000000013	3.00000	0.000003	0.000	0.00000000013
53005BA	SHEEP-MEAT BYPRODUCTS 21 COOKED-NFS	0.500	P	0.000025	0.000	0.00000000110	0.00087	0.000000	0.000	0.00000000000
53005BB	SHEEP(ORGAN MEATS)-OTHER 21 COOKED-NFS	0.500	P	0.000010	0.000	0.00000000044	0.00990	0.000000	0.000	0.00000000000
53005FA	SHEEP(BONELESS)-FAT 21 COOKED-NFS	0.500	P	0.002148	0.004	0.00000009430	0.00990	0.000000	0.000	0.00000000000
53005KA	SHEEP(ORGAN MEATS)-KIDNEY 21 COOKED-NFS	3.000	P	0.000024	0.000	0.00000000105	0.00260	0.000011	0.000	0.00000000048
53005LA	SHEEP(ORGAN MEATS)-LIVER 00 NOT SPECIFIED	3.000	P	0.000003	0.000	0.00000000013	0.00990	0.000000	0.000	0.00000000000
53005MA	SHEEP(BONELESS)-LEAN (W/O REMOVEABLE FAT) 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.500	P	0.006242	0.010	0.00000027402	0.00820	0.000000	0.000	0.00000000000
53006BA	PORK-MEAT BYPRODUCTS 21 COOKED-NFS	0.500	P	0.012540	0.021	0.00000055051	0.00087 0.00087	0.000010 0.000001	0.000 0.000	0.00000000044 0.00000000004
53006BB	PORK(ORGAN MEATS)-OTHER 21 COOKED-NFS	0.500	P	0.001925	0.003	0.00000008451	0.00037	0.000009	0.000	0.00000000040

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Iprodione (glycophene)	2yr feeding- rat	NOEL= 6.1000 mg/kg	Enlargement of the cells of the zona glomerulosa in M&F.	ADI UF -->100	OPP RfD= 0.060000	EPA RfD= 0.040000	No data gaps.	WHO reviewed 1977	HED reviewed 12/19/86	EPA verified 07/15/87	WHO reviewed 1992
Caswell #470A	LEI= 150.00 ppm	12.4000 mg/kg	Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).	Q* 0.04390				RfD/PR reviewed 02/10/94	On IRIS.		
CAS No. 36734-19-7											
A.I. CODE: 109801											
CFR No. 180.399											
185.3750	ONCO: B2 (HCPRC)										

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
53006FA	26 COOKED-FRESH-PICKLED, CORNED, OR CURED PORK(BONELESS)-FAT (INCLUDING LARD)	0.500	P	0.104101	0.174	0.00000457003	0.00430	0.000001	0.000	0.00000000004
	10 RAW-FRESH OR NFS						0.00110	0.000002	0.000	0.00000000009
	21 COOKED-NFS						0.00110	0.000107	0.000	0.00000000470
	23 COOKED-FRESH-BOILED						0.00110	0.000025	0.000	0.00000000110
	25 COOKED-FRESH-FRIED						0.00110	0.000027	0.000	0.00000000119
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED PORK(ORGAN MEATS)-KIDNEY						0.00110	0.000068	0.000	0.00000000299
53006KA	21 COOKED-NFS	3.000	P	0.000032	0.000	0.00000000140	0.00430	0.000000	0.000	0.00000000000
53006LA	21 COOKED-NFS	3.000	P	0.014458	0.024	0.00000063471	0.00350	0.000015	0.000	0.00000000066
	25 COOKED-FRESH-FRIED						0.00350	0.000002	0.000	0.00000000009
53006MA	21 COOKED-NFS	0.500	P	0.195623	0.326	0.00000858785	0.00037	0.000067	0.000	0.00000000294
	25 COOKED-FRESH-FRIED						0.00037	0.000018	0.000	0.00000000079
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED PORK(BONELESS)-LEAN (W/O REMOVABLE FAT)						0.00037	0.000060	0.000	0.00000000263
CROP GROUP TOTALS FOR RED MEAT:					1.180935	1.968	0.00005184305	0.002668	0.004	0.00000011713
55008BA	TURKEY-BYPRODUCTS	1.000	P	0.000236	0.000	0.00000001036	0.00057	0.000000	0.000	0.00000000000
	21 COOKED-NFS						0.00057	0.000000	0.000	0.00000000000
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED TURKEY-GIBLETS (LIVER)						0.01040	0.000000	0.000	0.00000000000
55008LA	21 COOKED-NFS	5.000	P	0.000268	0.000	0.00000001177	0.01040	0.000000	0.000	0.00000000000
	25 COOKED-FRESH-FRIED						0.00057	0.000003	0.000	0.00000000013
55008MA	21 COOKED-NFS	1.000	P	0.007973	0.013	0.00000035001	0.00057	0.000001	0.000	0.00000000004
	31 COOKED-FRESH OR CANNED						0.00057	0.000001	0.000	0.00000000004
	62 COOKED-FRESH OR FROZEN-BAKED						0.00057	0.000001	0.000	0.00000000004
55008MB	TURKEY-FLESH(+SKIN & W/O BONES)	3.500	P	0.168579	0.281	0.00000740062	0.00440	0.000200	0.000	0.00000000878
	21 COOKED-NFS						0.00440	0.000012	0.000	0.00000000053
55008MC	25 COOKED-FRESH-FRIED	1.000	P	0.000095	0.000	0.00000000417	0.00440	0.000000	0.000	0.00000000000
55013BA	TURKEY-UNSPECIFIED	1.000	P	0.000001	0.000	0.00000000004	0.00057	0.000000	0.000	0.00000000000
	00 NOT SPECIFIED						0.00057	0.000000	0.000	0.00000000000
55013LA	POLTRY/OTHER-GIBLETS(LIVER)	5.000	P	0.001161	0.002	0.00000005097	0.01040	0.000002	0.000	0.00000000009
	25 COOKED-FRESH-FRIED						0.01040	0.000002	0.000	0.00000000009
55013MA	POLTRY/OTHER-FLESH (+SKIN & W/O BONES)	3.500	P	0.018859	0.031	0.00000082791	0.00440	0.000024	0.000	0.00000000105
	21 COOKED-NFS						0.00440	0.000024	0.000	0.00000000105
55015BA	CHICKEN-BYPRODUCTS	1.000	P	0.000001	0.000	0.00000000004	0.00057	0.000000	0.000	0.00000000000
	00 NOT SPECIFIED						0.00057	0.000000	0.000	0.00000000000

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FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE (UG/KG/DAY)	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
55015LA	CHICKEN-GIBLETS(LIVER) 21 COOKED-NFS 25 COOKED-FRESH-FRIED 26 COOKED-FRESH-PICKLED, CORNED, OR CURED	5.000	P	0.025313	0.042	0.0000011124		
					0.01040	0.000002	0.000	0.0000000009
					0.01040	0.000047	0.000	0.0000000206
					0.01040	0.000004	0.000	0.00000000018
55015MA	CHICKEN-FLESH(W/O SKIN & W/O BONES) 21 COOKED-NFS 22 COOKED-FRESH-BAKED 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED 53 COOKED-CANNED-BOILED	1.000	P	0.060136	0.100	0.00000263997		
					0.00057	0.000022	0.000	0.00000000097
					0.00057	0.000003	0.000	0.0000000013
					0.00057	0.000001	0.000	0.00000000004
					0.00057	0.000005	0.000	0.00000000222
					0.00057	0.000003	0.000	0.00000000013
55015MB	CHICKEN-FLESH(+SKIN & W/O BONES) 21 COOKED-NFS 25 COOKED-FRESH-FRIED	3.500	P	1.327622	2.213	0.00005828261		
					0.00440	0.000909	0.002	0.00000003991
					0.00440	0.000760	0.001	0.000000003356
CROP GROUP TOTALS FOR POULTRY:				1.610244	2.684	0.00007068971	0.003	0.00000008776
55000DB	MILK-NON-FAT SOLIDS 10 RAW-FRESH OR NFS 21 COOKED-NFS 51 COOKED-CANNED	0.500	P	3.556431	5.927	0.00015612732		
					0.00030	0.001711	0.003	0.00000007511
					0.00030	0.000347	0.001	0.00000001523
					0.00030	0.000076	0.000	0.00000000334
55000FA	MILK-FAT SOLIDS 10 RAW-FRESH OR NFS 21 COOKED-NFS 51 COOKED-CANNED	0.500	P	1.691807	2.820	0.00007427033		
					0.00030	0.000799	0.001	0.00000003508
					0.00030	0.000213	0.000	0.00000000935
					0.00030	0.000003	0.000	0.00000000013
55000SA	MILK SUGAR (LACTOSE) 21 COOKED-NFS 51 COOKED-CANNED	0.500	P	0.018714	0.031	0.00000082154		
					0.00030	0.000000	0.000	0.00000000000
					0.00030	0.000011	0.000	0.00000000048
55014AA	EGGS-WHOLE 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	1.500	P	0.846753	1.411	0.00003717246		
					0.00240	0.000010	0.000	0.00000000044
					0.00240	0.000749	0.001	0.00000003288
					0.00240	0.000144	0.000	0.00000000632
					0.00240	0.000059	0.000	0.00000000255
					0.00240	0.000393	0.001	0.00000001725
55014AB	EGGS-WHITE ONLY 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED 62 COOKED-FRESH OR FROZEN-BAKED 81 COOKED-FROZEN	1.500	P	0.013807	0.023	0.00000060613		
					0.00240	0.000000	0.000	0.00000000000
					0.00240	0.000002	0.000	0.00000000009
					0.00240	0.000015	0.000	0.00000000666
					0.00240	0.000001	0.000	0.00000000004
					0.00240	0.000003	0.000	0.00000000013
55014AC	EGGS-YOLK ONLY 10 RAW-FRESH OR NFS	1.500	P	0.009948	0.017	0.00000043672		
					0.00240	0.000002	0.000	0.00000000009

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene)	2yr feeding- rat	NOEL= 6.1000 mg/kg	Enlargement of the cells of the zona glomerulosa in M&F.	ADI UF -->100	No data gaps.	WHO reviewed 1977	
Caswell #470A		150.00 ppm		OPP RfD= 0.060000		HED reviewed 12/19/86	
CAS No. 36734-19-7		LEL= 12.4000 mg/kg	Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).	EPA RfD= 0.040000		EPA verified 07/15/87	
A.I. CODE: 109801		300.00 ppm				WHO reviewed 1992	
CFR No. 180.399	ONCO: B2 (HCPRC)			Q*: 0.04390		RfD/PR reviewed 02/10/94	
185.3750						On IRIS.	

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ONCO RISK
21	COOKED-NFS					0.00240	0.000005	0.000	0.00000000022
25	COOKED-FRESH-FRIED					0.00240	0.000006	0.000	0.00000000026
31	COOKED-FRESH OR CANNED					0.00240	0.000003	0.000	0.00000000013
CROP GROUP TOTALS FOR DAIRY PRODUCTS:			6.137460	10.229	0.00026943449		0.004552	0.008	0.00000019983

GRAND TOTALS FOR U.S. POPULATION - 48 STATES

32.712658

54.521

0.00143608569

0.268755

0.448

0.00001179834

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