



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

OFFICE OF  
INTERNATIONAL ACTIVITIES

MEMORANDUM

SUBJECT: 92-CA-35. Section 18 Exemption for Propargite on Avocados. DRES Dietary Exposure/Risk Estimates.

FROM: Richard Griffin *Richard Griffin 11/19/92*  
Chemistry Branch I / Tolerance Support  
Health Effects Division (H7509C)

THROUGH: Debra Edwards, Acting Chief *Debra Edwards 11/19/92*  
Chemistry Branch I / Tolerance Support  
Health Effects Division

TO: Lawrence Fried, PM 41  
Emergency Response and Minor Use Section  
Registration Support Branch  
Registration Division (H7505C)

**Toxicological Endpoints:**

Chronic Risk Assessment:

o Percent RfD: The Reference Dose approved by the Agency (HED 3/17/87, EPA 3/23/88) is 0.02 mg/kg/day, based on the LOEL (22.5 mg/kg/day) of a 2 year dog study (feeding) and an uncertainty factor of 1,000. The uncertainty factor has an additional factor of 10 due to the lack of a NOEL determination for the dog study.

o Carcinogenic Risk: Propargite is classified as a Group B2 carcinogen (HED cancer peer review document final, 7/23/92), with an upper-bound potency factor ( $Q_1^*$ ) of  $3.1 \times 10^{-2}$  (mg/kg/day).

Acute Risk Assessment:

o Developmental Toxicity: Dietary "acute" risk estimates for developmental toxicity (expressed as margins of exposure) are based on the DRES one-day consumption/exposure estimates for women (age 13+) compared to the maternal NOEL (6.0 mg/kg/day) of a rabbit developmental toxicity study (HED developmental toxicity peer review final, 10/28/91).

**Residue:**

Current tolerances [40 CFR 180.259 and 40 CFR 185.5000] are:

Cranberries.....	10	ppm	
Grapes.....	10	ppm	
Raisins.....	25	ppm	(409 tolerance)
Strawberries.....	7	ppm	
Grapefruit.....	5	ppm	
Lemons.....	5	ppm	
Oranges.....	5	ppm	
Almonds.....	0.1	ppm	
Walnuts.....	0.1	ppm	
Apples.....	3	ppm	
Pears.....	3	ppm	
Apricots.....	7	ppm	
Nectarines.....	4	ppm	
Peaches.....	7	ppm	
Plums.....	7	ppm	
Dried Figs.....	9	ppm	(409 tolerance)
Tea.....	10	ppm	(409 tolerance)
Dried Hops.....	30	ppm	(409 tolerance)
Potatoes.....	0.1	ppm	
Dry Beans.....	0.2	ppm	
Succulent Beans.....	20	ppm	
Corn.....	0.1	ppm	
Sorghum.....	10	ppm	
Cottonseed.....	0.1	ppm	
Peanuts.....	0.1	ppm	
Mint.....	50	ppm	
Milk Fat Solids.....	2	ppm	
Milk.....	0.8	ppm	
Eggs.....	0.1	ppm	
Meat/Poultry.....	0.1	ppm	

The actionable/enforcement level for 92-CA-35/Avocados is 5.0 ppm (D. McNeilly memo, 9/4/92).

There are no anticipated residue estimates.

**Percent Crop Treated:**

Percent crop treated estimates (based on the years 1985/86) were provided for most of the above commodities in a memo from the Biological and Economic Analysis Division (R.F. Torla memo, 3/7/88 - ATTACHED). However, these estimates are too out of date to be reliable. Revised estimates, based on recent company data have been requested from BEAD by CBRS/HED.

**Chronic Exposure/Risk Estimates:**

Published Uses: Tolerances x 100 percent use (TMRC)

mg/kg/day

Overall U.S. population:	0.028402	(142% RfD)	C Risk 8.8E-4
Non-nursing infants:	0.104715	(523% RfD)	
Children (1-6):	0.070052	(351% RfD)	

Published Uses: Tolerances x 1985/86 percent use data (ARC)

Overall U.S. population:	0.004565	( 23% RfD)	C Risk 1.4E-4
Non-nursing infants:	0.020464	(102% RfD)	
Children (1-6):	0.011341	( 57% RfD)	

Avocados: 5 ppm x 100 percent use (TMRC)

Overall U.S. population:	0.000063	( <1% RfD)	C Risk 1.9E-6
Non-nursing infants:	0.000011	( <1% RfD)	
Children (1-6):	0.000054	( <1% RfD)	

Carcinogenic risk per commodity:

The following estimates are based on published tolerances and the 1985/1986 percent crop treated data.

Figs.....	7.8E-9	Tea.....	9.8E-6
Hops.....	3.5E-7	Cottonseed.....	3.2E-9
Wine.....	6.5E-6	Potatoes.....	3.5E-8
Succulent beans...	8.2E-6	Dry beans.....	2.1E-7
Grapefruit.....	7.2E-6	Lemons.....	6.3E-8
Oranges.....	6.6E-6	Apples.....	1.5E-5
Pears.....	2.3E-7	Apricots.....	7.8E-6
Nectarines.....	1.6E-8	Peaches.....	7.0E-6
Plums.....	2.0E-6	Cranberries....	1.0E-7
Grapes.....	1.5E-5	Strawberries...	7.5E-7
Grain corn.....	1.1E-8	Sweet corn.....	7.3E-9
Sorghum.....	7.4E-8	Almonds.....	6.9E-9
Walnuts.....	4.5E-9	Mint.....	1.1E-7
Red meats.....	6.9E-6	Poultry meats..	1.6E-6
Milk.....	4.4E-5	Eggs.....	1.8E-6

**Acute Exposure/Risk:**

In 1988, two "acute" dietary risk assessments were prepared for the Special Review Branch (J.R. Tomerlin memos, 10/24/88 and 11/30/88). In the first, all Propargite commodities were combined and the exposure estimates compared to an endpoint of 2.0 mg/kg/day (NOEL of a rabbit study). The second assessment focused on the commodities listed below (presumably due to their being the major contributors to exposure), and compared exposure estimates to an endpoint of 6.0 mg/kg/day (NOEL of a rat study).

The following (except avocados) exposure/MOE estimates are taken from the latter assessment and are estimates of the very maximum exposure demonstrated by the database. Related data (percent user-days, average MOE) are summarized in the 11/30/88 memo - ATTACHED).

**Estimates:**

o DRES population sub-group: Women (13+ years). All estimates compared to the endpoint (NOEL) of 6.0 mg/kg/day.

	Maximum Exposure mg/kg/day	MOE
Published uses combined:	0.20	30
Cranberries:	0.10	60
Stone Fruits:	0.06	100
Grapes:	0.20	30
Hops:	0.08	75
Grapefruit:	0.08	75
Oranges:	0.08	75
Succulent Beans:	0.20	30
Avocados	0.06	100

Note that the accuracy of the database for hops is currently under review by the Dietary Exposure Section (the above estimate is likely to be an overestimate by a factor of six).

**Comments:**

The carcinogenic risk and developmental risk estimates given above indicate a potential dietary risk concern for Propargite. However, these estimates are based on tolerances and outdated percent crop treated data. In order to develop a more accurate estimation of risk (based on anticipated residues and current percent crop treated data), HED has requested residue monitoring data from the FDA and percent crop treated data from the Biological and Economic Analysis Division. Also, additional residue data called in for reregistration will be reviewed. We expect a revised exposure/risk assessment will be available by the end of the second quarter, FY93.

cc: P. Fenner-Crisp  
D. Schmitt  
R. Griffin Files  
18 File  
RF  
Toxicology Branch I  
Dietary Exposure Section (SAB)  
CB II

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22.5000 mg/kg LEL= 900.00 ppm 0.0000 mg/kg 0.00 ppm ONCO: Negative - species	No effects noted at HDT. Rabbit Teratology study as co-critical study. Negative for oncogenicity in mice, rat study inadequate histopathology.	PADI UF -->1000 OPP RfD= 0.020000 EPA RfD= 0.020000	Chronic feed/onco- rat  Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.

FOOD CODE	FOOD NAME	PETITION NUMBER	NEW	TOLERANCE (PPM)	PENDING	PUBLISHED
01010AA	CRANBERRIES	5F1609		10.000000		10.000000
01010JA	CRANBERRIES- JUICE	5F1609		10.000000		10.000000
01014AA	GRAPES- FRESH	0F0988		10.000000		10.000000
01014DA	GRAPES- RAISINS			25.000000H		
01014JA	GRAPES- JUICE	0F0988		10.000000		10.000000
01016AA	STRAWBERRIES	9F0803		7.000000		7.000000
02002AA	GRAPEFRUIT-UNSPECIFIED	0F0988		5.000000		5.000000
02002AB	GRAPEFRUIT- PULP	0F0988		5.000000		5.000000
02002JA	GRAPEFRUIT- JUICE	0F0988		5.000000		5.000000
02004AA	LEMONS-UNSPECIFIED	0F0988		5.000000		5.000000
02004AB	LEMONS- PULP	0F0988		5.000000		5.000000
02004HA	LEMONS- PEEL	0F0988		5.000000		5.000000
02004JA	LEMONS- JUICE	0F0988		5.000000		5.000000
02006AA	ORANGES-UNSPECIFIED	0F0988		5.000000		5.000000
02006AB	ORANGES- PULP	0F0988		5.000000		5.000000
02006HA	ORANGES- PEEL	0F0988		5.000000		5.000000
02006JA	ORANGES- JUICE	0F0988		5.000000		5.000000
03001AA	ALMONDS	4F1520		0.100000		0.100000
03009AA	WALNUTS	9F0803		0.100000		0.100000
04001AA	APPLES- FRESH	4F1520		3.000000		3.000000
04001DA	APPLES- DRIED	4F1520		3.000000		3.000000
04001JA	APPLES- JUICE	4F1520		3.000000		3.000000
04003AA	PEARS- FRESH	8F0730		3.000000		3.000000
04003DA	PEARS- DRIED	8F0730		3.000000		3.000000
05001AA	APRICOTS- FRESH	4F1520		7.000000		7.000000
05001DA	APRICOTS- DRIED	4F1520		7.000000		7.000000
05003AA	NECTARINES	9F0910		4.000000		4.000000
05004AA	PEACHES- FRESH	8F0730		7.000000		7.000000
05004DA	PEACHES- DRIED	8F0730		7.000000		7.000000
05005AA	PLUMS(DANSONS)- FRESH	3F1305		7.000000		7.000000
05005DA	PLUMS- PRUNES(DRIED)	3F1305		7.000000		7.000000
05005JA	PLUMS, PRUNE- JUICE	3F1305		7.000000		7.000000
06001AA	AVOCADOS	92CA 35	5.000000			
06005AA	FIGS			9.000000H		10.000000H
07003AA	TEA			10.000000H		30.000000H
08020AA	HOPS			0.100000		0.100000
14013AA	POTATOES(WHITE)- WHOLE	2F1272		0.100000		0.100000
14013AB	POTATOES(WHITE)- UNSPECIFIED	2F1272		0.100000		0.100000
14013AC	POTATOES(WHITE)- PEELED	2F1272		0.100000		0.100000
14013DA	POTATOES(WHITE)- DRY	2F1272		0.100000		0.100000

TOLERANCE SUMMARY

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<b>CHEMICAL</b> Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	<b>STUDY TYPE</b> 2yr feeding- dog NOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Negative- 1 species	<b>EFFECTS</b> No effects noted at HDT. Rabbit Teratology study as co-critical study. Negative for oncogenicity in mice, rat study inadequate histopathology.	<b>REFERENCE DOSES</b> PAD1 UF -->1000 OPP RfD= 0.020000 EPA RfD= 0.020000	<b>DATA GAPS/COMMENTS</b> Chronic feed/onco- rat  Reg. Std. 9/86.	<b>STATUS</b> EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.
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FOOD CODE	FOOD NAME	PETITION NUMBER	NEW	TOLERANCE (PPM)	
				PENDING	PUBLISHED
14013HA	POTATOES(WHITE)-PEEL ONLY	2F1272			0.100000
15001AA	BEANS-DRY-GREAT NORTHERN	4F1520			0.200000
15001AB	BEANS-DRY-KIDNEY	4F1520			0.200000
15001AC	BEANS-DRY-LIMA	4F1520			0.200000
15001AD	BEANS-DRY-NAVY (PEA)	4F1520			0.200000
15001AE	BEANS-DRY-OTHER	4F1520			0.200000
15001AF	BEANS-DRY-PINTO	4F1520			0.200000
15002AA	BEANS-SUCCULENT-LIMA	4F1520			20.000000
15003AA	BEANS-SUCCULENT-GREEN	4F1520			20.000000
15003AB	BEANS-SUCCULENT-OTHER	4F1520			20.000000
15003AC	BEANS-SUCCULENT-YELLOW, MAX	4F1520			20.000000
15004AA	CORN, POP	2F1272			0.100000
15005AA	CORN, SWEET	0F2424			0.100000
15006AA	PEANUTS-WHOLE	6F1665			0.100000
15013AA	MUNG BEANS (SPROUTS)	4F1520			20.200000
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED)	4F1520			0.200000
15022AB	BEANS-SUCCULENT-BROADBEANS(IMMAT. SEED)	4F1520			20.000000
15023AA	BEANS-DRY-PIGEON BEANS	4F1520			0.200000
15027AA	BEANS-UNSPECIFIED	4F1520			20.000000
15030AA	BEANS-DRY-HYACINTH(MATURE SEEDS)	4F1520			0.200000
15030AB	BEANS-SUCCULENT-HYACINTH(YOUNG PODS)	4F1520			20.000000
15031AA	BEANS-DRY-BLACKEYE PEAS(COMPEAS)	4F1520			0.200000
15032AA	BEANS-DRY-GARBANZO(CHICK PEA)	4F1520			0.100000
24002EA	CORN, GRAIN-ENDOSPERM	2F1272			0.100000
24002HA	CORN, GRAIN-BRAN	2F1272			0.100000
24002SA	CORN SUGAR	2F1272			0.100000
24006AA	SORGHUM (INCLUDING MILO)	4F1520			10.000000
270020A	CORN, GRAIN-OIL	2F1272			0.100000
270030A	COTTONSEED-OIL	2F1288			0.100000
27003WA	COTTONSEED-MEAL	2F1288			0.100000
270070A	PEANUTS-OIL	6F1665			0.100000
28080AA	PEPPERMINT	0F0988			50.000000
280800A	PEPPERMINT-OIL	0F0988			50.000000
28081AA	SPEARMINT	0F0988			50.000000
280810A	SPEARMINT-OIL	0F0988			50.000000
43058AA	WINE AND SHERRY	0F0988			10.000000
50000DB	MILK-NON-FAT SOLIDS	0F0988			0.080000
50000FA	MILK-FAT SOLIDS	0F0988			2.000000H
50000SA	MILK SUGAR (LACTOSE)	0F0988			0.080000
53001BA	BEEF-MEAT BYPRODUCTS	0F0988			0.100000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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FOOD CODE	FOOD NAME	PETITION NUMBER	NEW	TOLERANCE (PPM)	PUBLISHED
53001BB	BEEF(ORGAN MEATS)-OTHER	0F0988		0.100000	
53001DA	BEEF-DRIED	0F0988		0.100000	
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)	0F0988		0.100000	
53001KA	BEEF(ORGAN MEATS)-KIDNEY	0F0988		0.100000	
53001LA	BEEF(ORGAN MEATS)-LIVER	0F0988		0.100000	
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVEABLE FAT)	0F0988		0.100000	
53002BA	GOAT-MEAT BYPRODUCTS	0F0988		0.100000	
53002BB	GOAT(ORGAN MEATS)-OTHER	0F0988		0.100000	
53002FA	GOAT(BONELESS)-FAT	0F0988		0.100000	
53002KA	GOAT(ORGAN MEATS)-KIDNEY	0F0988		0.100000	
53002LA	GOAT(ORGAN MEATS)-LIVER	0F0988		0.100000	
53002MA	GOAT(BONELESS)-LEAN (W/O REMOVEABLE FAT)	0F0988		0.100000	
53003AA	HORSE	0F0988		0.100000	
53005BA	SHEEP-MEAT BYPRODUCTS	0F0988		0.100000	
53005BB	SHEEP(ORGAN MEATS)-OTHER	0F0988		0.100000	
53005FA	SHEEP(BONELESS)-FAT	0F0988		0.100000	
53005KA	SHEEP(ORGAN MEATS)-KIDNEY	0F0988		0.100000	
53005LA	SHEEP(ORGAN MEATS)-LIVER	0F0988		0.100000	
53005MA	SHEEP(BONELESS)-LEAN (W/O REMOVEABLE FAT)	0F0988		0.100000	
53006BA	PORK-MEAT BYPRODUCTS	0F0988		0.100000	
53006BB	PORK(ORGAN MEATS)-OTHER	0F0988		0.100000	
53006FA	PORK(BONELESS)-FAT (INCLUDING LARD)	0F0988		0.100000	
53006KA	PORK(ORGAN MEATS)-KIDNEY	0F0988		0.100000	
53006LA	PORK(ORGAN MEATS)-LIVER	0F0988		0.100000	
53006MA	PORK(BONELESS)-LEAN (W/O REMOVEABLE FAT)	0F0988		0.100000	
55008BA	TURKEY-BYPRODUCTS	0F0988		0.100000	
55008LA	TURKEY-GIBLETS (LIVER)	0F0988		0.100000	
55008MA	TURKEY-FLESH(W/O SKIN, W/O BONES)	0F0988		0.100000	
55008MB	TURKEY-FLESH(+SKIN, W/O BONES)	0F0988		0.100000	
55008MC	TURKEY-UNSPECIFIED	0F0988		0.100000	
55013BA	POULTRY, OTHER-BYPRODUCTS	0F0988		0.100000	
55013LA	POULTRY, OTHER-GIBLETS(LIVER)	0F0988		0.100000	
55013MA	POULTRY, OTHER-FLESH (+SKIN, W/O BONES)	0F0988		0.100000	
55014AA	EGGS-WHOLE	0F0988		0.100000	
55014AB	EGGS-WHITE ONLY	0F0988		0.100000	
55014AC	EGGS-YOLK ONLY	0F0988		0.100000	
55015BA	CHICKEN-BYPRODUCTS	0F0988		0.100000	
55015LA	CHICKEN-GIBLETS(LIVER)	0F0988		0.100000	
55015MA	CHICKEN-FLESH(W/O SKIN, W/O BONES)	0F0988		0.100000	
55015MB	CHICKEN-FLESH(+SKIN, W/O BONES)	0F0988		0.100000	

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS
			PADI	UF -->1000		
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: <del>Negative</del>	No effects noted at HDI. Rabbit Teratology study as co-critical study. Negative for oncogenicity in mice, rat study inadequate histopathology.	OPP RfD= 0.020000 EPA RfD= 0.020000	Chronic feed/onco- rat	Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.

POPULATION SUBGROUP	TOTAL TMRC (MG/KG BODY WEIGHT/DAY)		NEW TMRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES
	CURRENT TMRC*	NEW TMRC**			
U.S. POPULATION - 48 STATES	0.028402	0.028402	142.012475	0.000000	
U.S. POPULATION - SPRING SEASON	0.027279	0.027279	136.393140	0.000000	
U.S. POPULATION - SUMMER SEASON	0.028372	0.028372	141.862425	0.000000	
U.S. POPULATION - FALL SEASON	0.028288	0.028288	141.440775	0.000000	
U.S. POPULATION - WINTER SEASON	0.028582	0.028582	142.908880	0.000000	
NORTHEAST REGION	0.032004	0.032004	160.020955	0.000000	
NORTH CENTRAL REGION	0.026968	0.026968	134.838220	0.000000	
SOUTHERN REGION	0.025333	0.025333	126.666990	0.000000	
WESTERN REGION	0.029452	0.029452	147.261405	0.000000	
HISPANICS	0.030902	0.030902	154.510420	0.000000	
NON-HISPANIC WHITES	0.027925	0.027925	139.623645	0.000000	
NON-HISPANIC BLACKS	0.027489	0.027489	137.444520	0.000000	
NON-HISPANIC OTHERS	0.033865	0.033865	169.326320	0.000000	
NURSING INFANTS (< 1 YEAR OLD)	0.054414	0.054414	272.068565	0.000000	
NON-NURSING INFANTS (< 1 YEAR OLD)	0.104715	0.104715	523.573975	0.000000	
FEMALES (13+ YEARS, PREGNANT)	0.020936	0.020936	104.678255	0.000000	
FEMALES 13+ YEARS, NURSING CHILDREN (1-6 YEARS OLD)	0.024369	0.024369	121.843295	0.000000	
CHILDREN (7-12 YEARS OLD)	0.070052	0.070052	350.258890	0.000000	
MALES (13-19 YEARS OLD)	0.039278	0.039278	196.388950	0.000000	
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.021868	0.021868	109.341020	0.000000	
MALES (20 YEARS AND OLDER)	0.020643	0.020643	103.214740	0.000000	
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.018674	0.018674	93.368290	0.000000	
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.021281	0.021281	106.405920	0.000000	

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

TMRC ESTIMATES / PUB. USES

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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POPULATION SUBGROUP	TOTAL TMRC (MG/KG BODY WEIGHT/DAY)		NEW TMRC**	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES
	CURRENT TMRC*	NEW TMRC**			
U.S. POPULATION - 48 STATES	0.028402	0.028465	142.325900	0.313425	
U.S. POPULATION - SPRING SEASON	0.027279	0.027366	136.830540	0.437400	
U.S. POPULATION - SUMMER SEASON	0.028372	0.028432	142.160820	0.298395	
U.S. POPULATION - FALL SEASON	0.028288	0.028334	141.668270	0.227495	
U.S. POPULATION - WINTER SEASON	0.028582	0.028640	143.198780	0.289900	
NORTHEAST REGION	0.032004	0.032036	160.181385	0.160430	
NORTH CENTRAL REGION	0.026968	0.026972	134.859985	0.021765	
SOUTHERN REGION	0.025333	0.025377	126.885605	0.218615	
WESTERN REGION	0.029452	0.029675	148.374405	1.113000	
HISPANICS	0.030902	0.031176	155.881790	1.371370	
NON-HISPANIC WHITES	0.027925	0.027980	139.898405	0.274760	
NON-HISPANIC BLACKS	0.027489	0.027505	137.524265	0.079745	
NON-HISPANIC OTHERS	0.033865	0.033899	169.496010	0.169690	
NURSING INFANTS (< 1 YEAR OLD)	0.054414	0.054414	272.068565	0.000000	
NON-NURSING INFANTS (< 1 YEAR OLD)	0.104715	0.104725	523.626180	0.052205	
FEMALES (13+ YEARS, PREGNANT)	0.020936	0.020980	104.899295	0.221040	
FEMALES 13+ YEARS, NURSING	0.024369	0.024369	121.843295	0.000000	
CHILDREN (1-6 YEARS OLD)	0.070052	0.070105	350.525480	0.266590	
CHILDREN (7-12 YEARS OLD)	0.039278	0.039320	196.601970	0.213020	
MALES (13-19 YEARS OLD)	0.021868	0.021893	109.466215	0.125195	
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.020643	0.020717	103.584270	0.369530	
MALES (20 YEARS AND OLDER)	0.018674	0.018741	93.705250	0.336960	
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.021281	0.021357	106.783320	0.377400	

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

L-AVOCADOS

TMRC PVO. USES - AVOCADOS

TOLERANCE ASSESSMENT SUMMARY FOR Propargite (Omite)  
CASWELL #1301

DATE: 10/19/92

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

EXISTING TOLERANCES (PUBLISHED ONLY)  
RESULT IN A TMRC OF:  
THE EXISTING TMRC IS EQUIVALENT TO:

0.028403 MG/KG/DAY  
142.012 % OF THE ADI.

PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY)  
RESULT IN A TMRC OF:  
THESE NEW TOLERANCES WILL OCCUPY:

0.000063 MG/KG/DAY  
0.313 % OF THE ADI.

IF THE NEW TOLERANCES (CURRENT PETITION ONLY)  
ARE APPROVED THE RESULTANT TMRC WILL BE:  
THE NEW TMRC WILL OCCUPY

0.028466 MG/KG/DAY  
142.326 % OF THE ADI.

NO OTHER PENDING TOLERANCES ARE IN THE FILE

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

EXISTING TOLERANCES (PUBLISHED ONLY)  
RESULT IN A TMRC OF:  
THE EXISTING TMRC IS EQUIVALENT TO:

0.104715 MG/KG/DAY  
523.574 % OF THE ADI.

PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY)  
RESULT IN A TMRC OF:  
THESE NEW TOLERANCES WILL OCCUPY:

0.000011 MG/KG/DAY  
0.052 % OF THE ADI.

IF THE NEW TOLERANCES (CURRENT PETITION ONLY)  
ARE APPROVED THE RESULTANT TMRC WILL BE:  
THE NEW TMRC WILL OCCUPY

0.104726 MG/KG/DAY  
523.626 % OF THE ADI.

NO OTHER PENDING TOLERANCES ARE IN THE FILE

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

EXISTING TOLERANCES (PUBLISHED ONLY)  
RESULT IN A TMRC OF:  
THE EXISTING TMRC IS EQUIVALENT TO:

0.070052 MG/KG/DAY  
350.259 % OF THE ADI.

PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY)  
RESULT IN A TMRC OF:  
THESE NEW TOLERANCES WILL OCCUPY:

0.000054 MG/KG/DAY  
0.267 % OF THE ADI.

IF THE NEW TOLERANCES (CURRENT PETITION ONLY)  
ARE APPROVED THE RESULTANT TMRC WILL BE:  
THE NEW TMRC WILL OCCUPY

0.070106 MG/KG/DAY  
350.525 % OF THE ADI.

NO OTHER PENDING TOLERANCES ARE IN THE FILE

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22,5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm OMCO: B2 (HED)	No effects noted at HDI. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP Rfd= 0.020000 EPA Rfd= 0.020000 q*: 0.03100	Chronic feed/onco- rat Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. 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)
01010AA	CRANBERRIES	10 RAW-FRESH OR NFS	5F1609	P 1.000000	10.000000		1.00	0.100000
01010AA	CRANBERRIES	21 COOKED-NFS	5F1609	P 10.000000	10.000000		1.00	0.100000
01010AA	CRANBERRIES	31 COOKED-FRESH OR CANNED	5F1609	P 10.000000	10.000000		1.00	0.100000
01010JA	CRANBERRY-JUICE	15 RAW-FRESH OR CANNED	5F1609	P 10.000000	10.000000		1.00	0.100000
01010JA	CRANBERRY-JUICE	31 COOKED-FRESH OR CANNED	5F1609	P 10.000000	10.000000		25.00	0.100000
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS	0F0988	P 10.000000	10.000000		25.00	2.500000
01014AA	GRAPES-FRESH	21 COOKED-NFS	0F0988	P 10.000000	10.000000		25.00	2.500000
01014AA	GRAPES-FRESH	31 COOKED-FRESH OR CANNED	0F0988	P 10.000000	10.000000		25.00	2.500000
01014DA	GRAPES-RAISINS	10 RAW-FRESH OR NFS		P 25.000000	25.000000C		25.00	6.250000
01014DA	GRAPES-RAISINS	21 COOKED-NFS		P 25.000000	25.000000C		25.00	6.250000
01014DA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED		P 25.000000	25.000000C		25.00	6.250000
01014JA	GRAPES-JUICE	10 RAW-FRESH OR NFS	0F0988	P 10.000000	10.000000		25.00	2.500000
01014JA	GRAPES-JUICE	15 RAW-FRESH OR CANNED	0F0988	P 10.000000	10.000000		25.00	2.500000
01014JA	GRAPES-JUICE	21 COOKED-NFS	0F0988	P 10.000000	10.000000		25.00	2.500000
01016AA	STRAWBERRIES	10 RAW-FRESH OR NFS	9F0803	P 7.000000	7.000000		10.00	0.700000
01016AA	STRAWBERRIES	21 COOKED-NFS	9F0803	P 7.000000	7.000000		10.00	0.700000
01016AA	STRAWBERRIES	70 RAW-FROZEN	9F0803	P 7.000000	7.000000		10.00	0.700000
02002AA	GRAPEFRUIT-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 5.000000	5.000000		20.00	1.000000
02002AB	GRAPEFRUIT-PULP	10 RAW-FRESH OR NFS	0F0988	P 5.000000	5.000000		20.00	1.000000
02002AB	GRAPEFRUIT-PULP	21 COOKED-NFS	0F0988	P 5.000000	5.000000		20.00	1.000000
02002JA	GRAPEFRUIT-JUICE	15 RAW-FRESH OR CANNED	0F0988	P 5.000000	5.000000		20.00	1.000000
02004AA	LEMONS-UNSPEC	10 RAW-FRESH OR NFS	0F0988	P 5.000000	5.000000		1.00	0.050000
02004AA	LEMONS-UNSPEC	22 COOKED-FRESH-BAKED	0F0988	P 5.000000	5.000000		1.00	0.050000
02004AB	LEMONS-PULP	10 RAW-FRESH OR NFS	0F0988	P 5.000000	5.000000		1.00	0.050000
02004HA	LEMONS-PEEL	31 COOKED-FRESH OR CANNED	0F0988	P 5.000000	5.000000		1.00	0.050000
02004HA	LEMONS-PEEL	21 COOKED-NFS	0F0988	P 5.000000	5.000000		1.00	0.050000
02004JA	LEMONS-JUICE	10 RAW-FRESH OR NFS	0F0988	P 5.000000	5.000000		1.00	0.050000
02004JA	LEMONS-JUICE	15 RAW-FRESH OR CANNED	0F0988	P 5.000000	5.000000		1.00	0.050000
02004JA	LEMONS-JUICE	21 COOKED-NFS	0F0988	P 5.000000	5.000000		1.00	0.050000
02004JA	LEMONS-JUICE	31 COOKED-FRESH OR CANNED	0F0988	P 5.000000	5.000000		1.00	0.050000
02006AA	ORANGES-UNSPEC	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 5.000000	5.000000		2.00	0.100000
02006AB	ORANGES-PULP	10 RAW-FRESH OR NFS	0F0988	P 5.000000	5.000000		2.00	0.100000
02006HA	ORANGES-PEEL	21 COOKED-NFS	0F0988	P 5.000000	5.000000		2.00	0.100000
02006HA	ORANGES-PEEL	22 COOKED-FRESH-BAKED	0F0988	P 5.000000	5.000000		2.00	0.100000
02006JA	ORANGES-JUICE	15 RAW-FRESH OR CANNED	0F0988	P 5.000000	5.000000		2.00	0.100000
02006JA	ORANGES-JUICE	31 COOKED-FRESH OR CANNED	0F0988	P 5.000000	5.000000		2.00	0.100000

PERCENT CROP TREATED

<b>CHEMICAL</b> Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	<b>STUDY TYPE</b> 2yr feeding- dog NOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	<b>EFFECTS</b> No effects noted at HDI. Rabbit Teratology study as co-critical study.	<b>REFERENCE DOSES</b> PADI UF -->1000 OPP RFD= 0.020000 EPA RFD= 0.020000 Q*: 0.03100	<b>DATA GAPS/COMMENTS</b> Chronic feed/onco- rat Reg. Std. 9/86.	<b>STATUS</b> EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. 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)
03001AA	ALMONDS	10 RAW-FRESH OR NFS	4F1520	P 0.100000	0.100000		80.00	0.080000
03001AA	ALMONDS	21 COOKED-NFS	4F1520	P 0.100000	0.100000		80.00	0.080000
03001AA	ALMONDS	22 COOKED-FRESH-BAKED	4F1520	P 0.100000	0.100000		80.00	0.080000
03009AA	WALNUTS	10 RAW-FRESH OR NFS	9F0803	P 0.100000	0.100000		30.00	0.030000
03009AA	WALNUTS	21 COOKED-NFS	9F0803	P 0.100000	0.100000		30.00	0.030000
03009AA	WALNUTS	22 COOKED-FRESH-BAKED	9F0803	P 0.100000	0.100000		30.00	0.030000
04001AA	APPLES-FRESH	10 RAW-FRESH OR NFS	4F1520	P 3.000000	3.000000		20.00	0.600000
04001AA	APPLES-FRESH	21 COOKED-NFS	4F1520	P 3.000000	3.000000		20.00	0.600000
04001AA	APPLES-FRESH	31 COOKED-FRESH OR CANNED	4F1520	P 3.000000	3.000000		20.00	0.600000
04001AA	APPLES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	4F1520	P 3.000000	3.000000		20.00	0.600000
04001AA	APPLES-FRESH	10 RAW-FRESH OR NFS	4F1520	P 3.000000	3.000000		20.00	0.600000
04001DA	APPLES-DRIED	22 COOKED-FRESH-BAKED	4F1520	P 3.000000	3.000000		20.00	0.600000
04001DA	APPLES-DRIED	62 COOKED-FRESH OR FROZEN-BAKED	4F1520	P 3.000000	3.000000		20.00	0.600000
04001JA	APPLES-JUICE	15 RAW-FRESH OR CANNED	4F1520	P 3.000000	3.000000		20.00	0.600000
04001JA	APPLES-JUICE	31 COOKED-FRESH OR CANNED	4F1520	P 3.000000	3.000000		20.00	0.600000
04003AA	PEARS-FRESH	10 RAW-FRESH OR NFS	8F0730	P 3.000000	3.000000		2.00	0.060000
04003AA	PEARS-FRESH	31 COOKED-FRESH OR CANNED	8F0730	P 3.000000	3.000000		2.00	0.060000
04003AA	PEARS-FRESH	51 COOKED-CANNED	8F0730	P 3.000000	3.000000		2.00	0.060000
04003AA	PEARS-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	8F0730	P 3.000000	3.000000		2.00	0.060000
04003DA	PEARS-DRIED	10 RAW-FRESH OR NFS	8F0730	P 3.000000	3.000000		2.00	0.060000
04003DA	PEARS-DRIED	21 COOKED-NFS	8F0730	P 3.000000	3.000000		2.00	0.060000
05001AA	APRICOTS-FRESH	10 RAW-FRESH OR NFS	4F1520	P 7.000000	7.000000		100.00	7.000000
05001AA	APRICOTS-FRESH	21 COOKED-NFS	4F1520	P 7.000000	7.000000		100.00	7.000000
05001AA	APRICOTS-FRESH	31 COOKED-FRESH OR CANNED	4F1520	P 7.000000	7.000000		100.00	7.000000
05001DA	APRICOTS-DRIED	10 RAW-FRESH OR NFS	4F1520	P 7.000000	7.000000		100.00	7.000000
05001DA	APRICOTS-DRIED	22 COOKED-FRESH-BAKED	4F1520	P 7.000000	7.000000		100.00	7.000000
05003AA	NECTARINES	10 RAW-FRESH OR NFS	9F0910	P 4.000000	4.000000		1.00	0.040000
05004AA	PEACHES-FRESH	10 RAW-FRESH OR NFS	8F0730	P 7.000000	7.000000		15.00	1.050000
05004AA	PEACHES-FRESH	21 COOKED-NFS	8F0730	P 7.000000	7.000000		15.00	1.050000
05004AA	PEACHES-FRESH	31 COOKED-FRESH OR CANNED	8F0730	P 7.000000	7.000000		15.00	1.050000
05004AA	PEACHES-FRESH	51 COOKED-CANNED	8F0730	P 7.000000	7.000000		15.00	1.050000
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS	8F0730	P 7.000000	7.000000		15.00	1.050000
05004DA	PEACHES-DRIED	21 COOKED-NFS	8F0730	P 7.000000	7.000000		15.00	1.050000
05005AA	PLUMS-FRESH	10 RAW-FRESH OR NFS	3F1305	P 7.000000	7.000000		15.00	1.050000
05005AA	PLUMS-FRESH	31 COOKED-FRESH OR CANNED	3F1305	P 7.000000	7.000000		15.00	1.050000
05005DA	PLUMS-PRUNES	10 RAW-FRESH OR NFS	3F1305	P 7.000000	7.000000		15.00	1.050000
05005DA	PLUMS-PRUNES	21 COOKED-NFS	3F1305	P 7.000000	7.000000		15.00	1.050000
05005DA	PLUMS-PRUNES	31 COOKED-FRESH OR CANNED	3F1305	P 7.000000	7.000000		15.00	1.050000
05005JA	PRUNE-JUICE	10 RAW-FRESH OR NFS	3F1305	P 7.000000	7.000000		15.00	1.050000
05005JA	PRUNE-JUICE	62 COOKED-FRESH OR FROZEN-BAKED	3F1305	P 7.000000	7.000000		15.00	1.050000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Cashell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDI. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP RfD= 0.020000 EPA RfD= 0.020000 Q*: 0.03100	Chronic feed/onco- rat Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. 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)
06005AA	FIGS	10 RAW-FRESH OR NFS		P 9.000000	9.000000C		1.00	0.090000
06005AA	FIGS	21 COOKED-NFS		P 9.000000	9.000000C		1.00	0.090000
06005AA	FIGS	22 COOKED-FRESH-BAKED		P 9.000000	9.000000C		1.00	0.090000
07003AA	TEA	21 COOKED-NFS		P 10.00000	10.000000C		100.00	10.000000
08020AA	HOPS	21 COOKED-NFS		P 30.00000	30.000000C		10.00	3.000000
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	2F1272	P 0.100000	0.100000		1.00	0.001000
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	2F1272	P 0.100000	0.100000		1.00	0.001000
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	2F1272	P 0.100000	0.100000		1.00	0.001000
14013AB	POTATO(WH)-UNSP	22 COOKED-FRESH-BAKED	2F1272	P 0.100000	0.100000		1.00	0.001000
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	2F1272	P 0.100000	0.100000		1.00	0.001000
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	2F1272	P 0.100000	0.100000		1.00	0.001000
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOILED	2F1272	P 0.100000	0.100000		1.00	0.001000
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	2F1272	P 0.100000	0.100000		1.00	0.001000
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	2F1272	P 0.100000	0.100000		1.00	0.001000
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	2F1272	P 0.100000	0.100000		1.00	0.001000
14013HA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	2F1272	P 0.100000	0.100000		1.00	0.001000
15001AA	BEANS-DRY-GRY NO	00 NOT SPECIFIED (NO CONSUMPTION)		P 0.200000	0.200000		5.00	0.010000
15001AB	BEANS-DRY-KIDNEY	21 COOKED-NFS	4F1520	P 0.200000	0.200000		5.00	0.010000
15001AB	BEANS-DRY-KIDNEY	31 COOKED-FRESH OR CANNED	4F1520	P 0.200000	0.200000		5.00	0.010000
15001AC	BEANS-DRY-LIMA	21 COOKED-NFS	4F1520	P 0.200000	0.200000		5.00	0.010000
15001AD	BEANS-DRY-NAVY	21 COOKED-NFS	4F1520	P 0.200000	0.200000		5.00	0.010000
15001AD	BEANS-DRY-NAVY	31 COOKED-FRESH OR CANNED	4F1520	P 0.200000	0.200000		5.00	0.010000
15001AE	BEANS-DRY-OTHER	21 COOKED-NFS	4F1520	P 0.200000	0.200000		5.00	0.010000
15001AE	BEANS-DRY-OTHER	25 COOKED-FRESH-FRIED	4F1520	P 0.200000	0.200000		5.00	0.010000
15001AE	BEANS-DRY-OTHER	31 COOKED-FRESH OR CANNED	4F1520	P 0.200000	0.200000		5.00	0.010000
15001AF	BEANS-DRY-PINTO	21 COOKED-NFS	4F1520	P 0.200000	0.200000		5.00	0.010000
15002AA	BEANS-SUCC-LIMA	10 RAW-FRESH OR NFS	4F1520	P 20.00000	20.000000		5.00	1.000000
15002AA	BEANS-SUCC-LIMA	21 COOKED-NFS	4F1520	P 20.00000	20.000000		5.00	1.000000
15003AA	BEANS-SUCC-GREEN	21 COOKED-NFS	4F1520	P 20.00000	20.000000		5.00	1.000000
15003AB	BEANS-SUCC-OTH	10 RAW-FRESH OR NFS	4F1520	P 20.00000	20.000000		5.00	1.000000
15003AB	BEANS-SUCC-OTH	21 COOKED-NFS	4F1520	P 20.00000	20.000000		5.00	1.000000
15003AC	BEANS-SUCC-MAX	21 COOKED-NFS	4F1520	P 20.00000	20.000000		5.00	1.000000
15004AA	CORN, POP	21 COOKED-NFS	2F1272	P 0.100000	0.100000		1.00	0.001000
15005AA	CORN, SWEET	10 RAW-FRESH OR NFS	0F2424	P 0.100000	0.100000		1.00	0.001000
15005AA	CORN, SWEET	21 COOKED-NFS	0F2424	P 0.100000	0.100000		1.00	0.001000
15005AA	CORN, SWEET	31 COOKED-FRESH OR CANNED	0F2424	P 0.100000	0.100000		1.00	0.001000
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	6F1665	P 0.100000	0.100000		1.00	0.001000
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	6F1665	P 0.100000	0.100000		1.00	0.001000
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED	6F1665	P 0.100000	0.100000		1.00	0.001000
15013AA	MUNG BEANS	10 RAW-FRESH OR NFS	4F1520	P 20.20000	20.200000		5.00	1.010000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22,5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDI. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP RfD= 0.020000 EPA RfD= 0.020000 Q*: 0.03100	Chronic feed/onco- rat  Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. 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)
15013AA	MUNG BEANS	21 COOKED-NFS	4F1520	P 20.20000	20.200000		5.00	1.010000
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	4F1520	P 0.200000	0.200000		5.00	0.100000
15022AB	BEANS-SUCC-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	4F1520	P 20.00000	20.000000		5.00	1.000000
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS	4F1520	P 0.200000	0.200000		5.00	0.100000
15027AA	BEANS-UNSPEC	21 COOKED-NFS	4F1520	P 20.00000	20.000000		5.00	1.000000
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	4F1520	P 0.200000	0.200000		5.00	0.100000
15030AB	BEANS-SUCC-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	4F1520	P 20.00000	20.000000		5.00	1.000000
15031AA	BLKEYE PEAS-DRY	21 COOKED-NFS	4F1520	P 0.200000	0.200000		5.00	0.100000
15032AA	BEANS-DRY	21 COOKED-NFS	4F1520	P 0.200000	0.200000		5.00	0.100000
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED	4F1520	P 0.200000	0.200000		5.00	0.100000
24002EA	CORN, GRAIN-ENDO	10 RAW-FRESH OR NFS	2F1272	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN, GRAIN-ENDO	21 COOKED-NFS	2F1272	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN, GRAIN-ENDO	22 COOKED-FRESH-BAKED	2F1272	P 0.100000	0.100000		1.00	0.001000
24002EA	CORN, GRAIN-ENDO	23 COOKED-FRESH-BOILED	2F1272	P 0.100000	0.100000		1.00	0.001000
24002HA	CORN, GRAIN-BRAN	00 NOT SPECIFIED (NO CONSUMPTION)	2F1272	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	10 RAW-FRESH OR NFS	2F1272	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	21 COOKED-NFS	2F1272	P 0.100000	0.100000		1.00	0.001000
24002SA	CORN SUGAR	22 COOKED-FRESH-BAKED	2F1272	P 0.100000	0.100000		1.00	0.001000
24006AA	SORGHUM	00 NOT SPECIFIED (NO CONSUMPTION)	4F1520	P 10.00000	10.000000		1.00	0.100000
270020A	CORN, GRAIN-OIL	18 PROCESSED OIL	2F1272	P 0.100000	0.100000		1.00	0.005000
270030A	COTTONSEED-OIL	18 PROCESSED OIL	2F1288	P 0.100000	0.100000		5.00	0.005000
270030A	COTTONSEED-MEAL	18 PROCESSED OIL	2F1288	P 0.100000	0.100000		5.00	0.005000
270070A	PEANUTS-OIL	18 PROCESSED OIL	6F1665	P 0.100000	0.100000		1.00	0.001000
280800A	PEPPERMINT	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 50.00000	50.000000C		10.00	5.000000
280800A	PEPPERMINT-OIL	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 50.00000	50.000000C		10.00	5.000000
28081AA	PEPPERMINT	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 50.00000	50.000000C		10.00	5.000000
280810A	SPEARMINT-OIL	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 50.00000	50.000000C		25.00	2.500000
43058AA	WINE AND SHERRY	10 RAW-FRESH OR NFS	0F0988	P 10.00000	10.000000		25.00	2.500000
43058AA	WINE AND SHERRY	21 COOKED-NFS	0F0988	P 0.080000	0.080000		100.00	0.080000
500000B	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	0F0988	P 0.080000	0.080000		100.00	0.080000
500000B	MILK-NON-FAT SOL	21 COOKED-NFS	0F0988	P 0.080000	0.080000		100.00	0.080000
500000B	MILK-NON-FAT SOL	51 COOKED-CANNED	0F0988	P 0.080000	0.080000		100.00	0.080000
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	0F0988	P 2.000000	2.000000C		100.00	2.000000
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS	0F0988	P 2.000000	2.000000C		100.00	2.000000
50000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	0F0988	P 2.000000	2.000000C		100.00	2.000000
50000SA	MILK SUG (LACT)	21 COOKED-NFS	0F0988	P 0.080000	0.080000		100.00	0.080000
50000SA	MILK SUG (LACT)	51 COOKED-CANNED	0F0988	P 0.080000	0.080000		100.00	0.080000
53001BA	BEEF-MEAT BYP	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53001BA	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	0F0988	P 0.100000	0.100000		100.00	0.100000
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDI. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP Rfd= 0.020000 EPA Rfd= 0.020000 g*: 0.03100	Chronic feed/onco- rat Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. 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)
530018B	BEEF-OTH ORGAN	51 COOKED-CANNED	0F0988	P 0.100000	0.100000		100.00	0.100000
53001DA	BEEF-DRIED	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53001FA	BEEF-FAT	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	0F0988	P 0.100000	0.100000		100.00	0.100000
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	0F0988	P 0.100000	0.100000		100.00	0.100000
53001FA	BEEF-FAT	24 COOKED-FRESH-BOILED	0F0988	P 0.100000	0.100000		100.00	0.100000
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000
53001KA	BEEF-KIDNEY	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	0F0988	P 0.100000	0.100000		100.00	0.100000
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53001MA	BEEF-LEAN	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	0F0988	P 0.100000	0.100000		100.00	0.100000
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	0F0988	P 0.100000	0.100000		100.00	0.100000
53001MA	BEEF-LEAN	24 COOKED-FRESH-BOILED	0F0988	P 0.100000	0.100000		100.00	0.100000
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 0.100000	0.100000		100.00	0.100000
53002BB	GOAT-OTH ORGAN	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 0.100000	0.100000		100.00	0.100000
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED	0F0988	P 0.100000	0.100000		100.00	0.100000
53002FA	GOAT-FAT	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000
53002KA	GOAT-KIDNEY	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 0.100000	0.100000		100.00	0.100000
53002LA	GOAT-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 0.100000	0.100000		100.00	0.100000
53002MA	GOAT-LEAN	23 COOKED-FRESH-BOILED	0F0988	P 0.100000	0.100000		100.00	0.100000
53002MA	GOAT-LEAN	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000
53003AA	HORSE	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 0.100000	0.100000		100.00	0.100000
53005BA	SHEEP-MEAT BYP	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53005BB	SHEEP-OTH ORGAN	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53005FA	SHEEP-FAT	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53005KA	SHEEP-KIDNEY	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53005LA	SHEEP-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 0.100000	0.100000		100.00	0.100000
53005MA	SHEEP-LEAN	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53005MA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED	0F0988	P 0.100000	0.100000		100.00	0.100000
530068A	PORK-MEAT BYP	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
530068B	PORK-OTH ORGAN	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
530068B	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	0F0988	P 0.100000	0.100000		100.00	0.100000
53006FA	PORK-FAT	10 RAW-FRESH OR NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53006FA	PORK-FAT	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED	0F0988	P 0.100000	0.100000		100.00	0.100000
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000
53006FA	PORK-FAT	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	0F0988	P 0.100000	0.100000		100.00	0.100000

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDI. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP RfD= 0.020000 EPA RfD= 0.020000 a*: 0.03100	Chronic feed/onco- rat  Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. 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)
53006KA	PORK-KIDNEY	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53006LA	PORK-LIVER	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53006LA	PORK-LIVER	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000
53006MA	PORK-LEAN	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
53006MA	PORK-LEAN	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000
53006MA	PORK-LEAN	25 COOKED-FRESH-PICKLED, CORNED, OR CURED	0F0988	P 0.100000	0.100000		100.00	0.100000
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	0F0988	P 0.100000	0.100000		100.00	0.100000
55008BA	TURKEY-BYP	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55008BA	TURKEY-BYP	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	0F0988	P 0.100000	0.100000		100.00	0.100000
55008LA	TURKEY ORGAN	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55008LA	TURKEY ORGAN	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000
55008MA	TURKEY W/O SKIN	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55008MA	TURKEY W/O SKIN	31 COOKED-FRESH OR CANNED	0F0988	P 0.100000	0.100000		100.00	0.100000
55008MA	TURKEY W/O SKIN	62 COOKED-FRESH OR FROZEN-BAKED	0F0988	P 0.100000	0.100000		100.00	0.100000
55008MB	TURKEY+SKIN	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55008MB	TURKEY+SKIN	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000
55008MC	TURKEY-UNSPEC	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55013BA	POULTRY,OTH-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 0.100000	0.100000		100.00	0.100000
55013LA	POULTRY,ORGAN	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000
55013MA	POULTRY,OTHER	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AA	EGGS-WHOLE	10 RAW-FRESH OR NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AA	EGGS-WHOLE	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AA	EGGS-WHOLE	22 COOKED-FRESH-BAKED	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AA	EGGS-WHOLE	23 COOKED-FRESH-BOILED	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AA	EGGS-WHOLE	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AB	EGGS-WHITE ONLY	10 RAW-FRESH OR NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AB	EGGS-WHITE ONLY	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AB	EGGS-WHITE ONLY	22 COOKED-FRESH-BAKED	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AB	EGGS-WHITE ONLY	62 COOKED-FRESH OR FROZEN-BAKED	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AC	EGGS-YOLK ONLY	81 COOKED-FROZEN	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AC	EGGS-YOLK ONLY	10 RAW-FRESH OR NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AC	EGGS-YOLK ONLY	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AC	EGGS-YOLK ONLY	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000
55014AC	EGGS-YOLK ONLY	31 COOKED-FRESH OR CANNED	0F0988	P 0.100000	0.100000		100.00	0.100000
55015BA	CHICKEN-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	0F0988	P 0.100000	0.100000		100.00	0.100000
55015LA	CHICKEN-ORGAN	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55015LA	CHICKEN-ORGAN	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000
55015LA	CHICKEN-ORGAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	0F0988	P 0.100000	0.100000		100.00	0.100000
55015MA	CHICKEN-W/O SKIN	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55015MA	CHICKEN-W/O SKIN	22 COOKED-FRESH-BAKED	0F0988	P 0.100000	0.100000		100.00	0.100000
55015MA	CHICKEN-W/O SKIN	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000



CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDT. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP RfD= 0.020000 EPA RfD= 0.020000 q*: 0.03100	Chronic feed/onco- rat  Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last. reviewed 1982. 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)
55015MA	CHICKEN-W/O SKIN	31 COOKED-FRESH OR CANNED	0F0988	P 0.100000	0.100000		100.00	0.100000
55015MA	CHICKEN-W/O SKIN	53 COOKED-CANNED-BOILED	0F0988	P 0.100000	0.100000		100.00	0.100000
55015MB	CHICKEN+SKIN	21 COOKED-NFS	0F0988	P 0.100000	0.100000		100.00	0.100000
55015MB	CHICKEN+SKIN	25 COOKED-FRESH-FRIED	0F0988	P 0.100000	0.100000		100.00	0.100000

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Cassell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDT. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP Rfd= 0.020000 EPA Rfd= 0.020000 Q*: 0.03100	Chronic feed/onco- rat Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.

POPULATION SUBGROUP	TOTAL THRC (MG/KG BODY WEIGHT/DAY)		NEW THRC**	DIFFERENCE AS PERCENT OF RFD	ARC	%RFD
	CURRENT THRC*	NEW THRC**				
U.S. POPULATION - 48 STATES	0.028402	0.028465	142.325900	0.313425	0.004564	22.82004
U.S. POPULATION - SPRING SEASON	0.027279	0.027366	136.830560	0.437400	0.004350	21.75014
U.S. POPULATION - SUMMER SEASON	0.028372	0.028432	142.160820	0.298395	0.004666	23.33188
U.S. POPULATION - FALL SEASON	0.028288	0.028334	141.668270	0.227495	0.004602	23.01093
U.S. POPULATION - WINTER SEASON	0.028582	0.028640	143.198780	0.289900	0.004615	23.07456
NORTHEAST REGION	0.032004	0.032036	160.181385	0.160430	0.004960	24.79940
NORTH CENTRAL REGION	0.026968	0.026972	134.859985	0.021765	0.004377	21.88370
SOUTHERN REGION	0.025333	0.025377	126.885605	0.218615	0.003982	19.91146
WESTERN REGION	0.029452	0.029675	148.374405	1.113000	0.005281	26.40721
HISPANICS	0.030902	0.031176	155.881790	1.371370	0.004697	23.48260
NON-HISPANIC WHITES	0.027925	0.027980	139.898405	0.274760	0.004671	23.35599
NON-HISPANIC BLACKS	0.027489	0.027505	137.524265	0.079745	0.003766	18.83239
NON-HISPANIC OTHERS	0.033865	0.033899	169.496010	0.169690	0.004521	22.60474
NURSING INFANTS (< 1 YEAR OLD)	0.054414	0.054414	272.068565	0.000000	0.008994	44.97077
NON-NURSING INFANTS (< 1 YEAR OLD)	0.104715	0.104725	523.626180	0.052205	0.020464	102.32104
FEMALES (13+ YEARS, PREGNANT)	0.020936	0.020980	104.899295	0.221040	0.003473	17.36412
FEMALES 13+ YEARS, NURSING	0.024369	0.024369	121.843295	0.000000	0.004818	24.09093
CHILDREN (1-6 YEARS OLD)	0.070052	0.070105	350.525480	0.266590	0.011341	56.70480
CHILDREN (7-12 YEARS OLD)	0.039278	0.039320	196.601970	0.213020	0.006356	31.78217
MALES (13-19 YEARS OLD)	0.021848	0.021893	109.466215	0.125195	0.003683	18.41502
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.020643	0.020717	103.584270	0.369530	0.003303	16.51537
MALES (20 YEARS AND OLDER)	0.018674	0.018741	93.705250	0.336960	0.003055	15.27725
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.021281	0.021357	106.783320	0.377400	0.003295	16.47350

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

ARC SUMMARY

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omice) Cashell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259		2yr feeding- dog NOEL= 22,5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDT. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP Rfd= 0.020000 EPA Rfd= 0.020000  Q*: 0.03100	Chronic feed/onco- rat  Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPH)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED			
							RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
06005AA	FIGS	9.000	P	0.025062	0.125	0.00000077692	0.09000	0.000124	0.001	0.0000000384
	10 RAW-FRESH OR NFS						0.09000	0.000031	0.000	0.0000000096
	21 COOKED-NFS						0.09000	0.000096	0.000	0.0000000298
07003AA	TEA	10.000	P	0.314695	1.573	0.0000975555	10.00000	0.314695	1.573	0.0000975555
08020AA	HOPS	30.000	P	0.112239	0.561	0.00000347941	3.00000	0.011224	0.056	0.00000034794
270030A	COTTONSEED-OIL	0.100	P	0.002041	0.010	0.00000006327	0.00500	0.000102	0.001	0.00000000316
27003MA	COTTONSEED-MEAL	0.100	P	0.000012	0.000	0.00000000037	0.00500	0.000001	0.000	0.00000000003
43058AA	WINE AND SHERRY	10.000	P	0.841956	4.210	0.00002610064	2.50000	0.207994	1.040	0.00000644781
	10 RAW-FRESH OR NFS						2.50000	0.002495	0.012	0.00000007735
	21 COOKED-NFS									
CROP GROUP TOTALS FOR UNSPECIFIED:										
				1.296005	6.480	0.00004017616		0.536762	2.684	0.00001663962
14013AA	POTATOES(WHITE)-WHOLE	0.100	P	0.034006	0.170	0.00000105419	0.00100	0.000046	0.000	0.00000000143
	10 RAW-FRESH OR NFS						0.00100	0.000150	0.001	0.00000000465
	21 COOKED-NFS						0.00100	0.000145	0.001	0.00000000450
14013AB	POTATOES(WHITE)-UNSPECIFIED	0.100	P	0.000008	0.000	0.00000000025	0.00100	0.000000	0.000	0.00000000000
	22 COOKED-FRESH-BAKED						0.00100	0.000072	0.000	0.00000000223
14013AC	POTATOES(WHITE)-PEELED	0.100	P	0.078426	0.392	0.00000243121	0.00100	0.000043	0.000	0.00000000133
	21 COOKED-NFS						0.00100	0.000433	0.002	0.00000001342
	22 COOKED-FRESH-BAKED						0.00100	0.000236	0.001	0.00000000732
14013DA	POTATOES(WHITE)-DRY	0.100	P	0.000845	0.004	0.000000002620	0.00100	0.000004	0.000	0.00000000012
	10 RAW-FRESH OR NFS						0.00100	0.000005	0.000	0.00000000016
	31 COOKED-FRESH OR CANNED						0.00100	0.000000	0.000	0.00000000000
14013HA	POTATOES(WHITE)-PEEL ONLY	0.100	P	0.000002	0.000	0.000000000006	0.00100	0.000000	0.000	0.00000000000
	22 COOKED-FRESH-BAKED									
CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:										
				0.113287	0.566	0.00000351190		0.001134	0.006	0.000000003515

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COMMUNITY CONTRIBUTION

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS
			PADI	UF		
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22,5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDI. Rabbit Teratology study as co-critical study.	OPP RfD= 0.020000 EPA RfD= 0.020000	Chronic feed/onco- rat	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.	
			qt: 0.03100	Reg. Std. 9/86.		

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	THRC (UG/KG/DAY)	THRC ONCO RISK	XRFD	ANTICIPATED RESIDUE (PPH)	ARC (UG/KG/DAY)	XRFD	ARC ONCO RISK
15001AA	BEANS-DRY-GREAT NORTHERN	0.200	P	0.000000	0.000000000000	0.000	0.01000	0.000000	0.000	0.000000000000
15001AB	00 NOT SPECIFIED (NO CONSUMPTION) BEANS-DRY-KIDNEY 21 COOKED-NFS	0.200	P	0.002726	0.00000008451	0.014	0.01000	0.000118	0.001	0.00000000366
15001AC	31 COOKED-FRESH OR CANNED BEANS-DRY-LIMA	0.200	P	0.001598	0.00000004954	0.008	0.01000	0.000080	0.000	0.00000000248
15001AD	21 COOKED-NFS BEANS-DRY-NAVY (PEA) 21 COOKED-NFS	0.200	P	0.007481	0.00000023191	0.037	0.01000	0.000888	0.001	0.00000000273
15001AE	31 COOKED-FRESH OR CANNED BEANS-DRY-OTHER 21 COOKED-NFS 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED	0.200	P	0.007965	0.00000024692	0.040	0.01000	0.000286	0.001	0.00000000887
15001AF	BEANS-DRY-PINTO	0.200	P	0.007270	0.00000022537	0.036	0.01000	0.000363	0.002	0.00000001125
15002AA	21 COOKED-NFS BEANS-SUCCULENT-LIMA 10 RAW-FRESH OR NFS	20.000	P	0.513296	0.00001591218	2.566	1.00000	0.000022	0.000	0.00000000068
15003AA	21 COOKED-NFS BEANS-SUCCULENT-GREEN 21 COOKED-NFS	20.000	P	4.001000	0.00012403100	20.005	1.00000	0.200050	1.000	0.00000620155
15003AB	BEANS-SUCCULENT-OTHER 10 RAW-FRESH OR NFS 21 COOKED-NFS	20.000	P	0.527676	0.00001635796	2.638	1.00000	0.000024	0.000	0.00000000074
15003AC	BEANS-SUCCULENT-YELLOW,WAX 21 COOKED-NFS 21 COOKED-NFS	20.000	P	0.109268	0.00000338731	0.546	1.00000	0.005463	0.027	0.00000016935
15006AA	PEANUTS-WHOLE 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED	0.100	P	0.006958	0.00000021570	0.035	0.00100	0.000001	0.000	0.00000000003
15013AA	MUNG BEANS (SPROUTS) 10 RAW-FRESH OR NFS 21 COOKED-NFS	20.200	P	0.134372	0.00000416553	0.672	1.01000	0.000766	0.004	0.00000002375
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED) 00 NOT SPECIFIED (NO CONSUMPTION)	0.200	P	0.000000	0.000000000000	0.000	0.01000	0.000000	0.000	0.000000000000
15022AB	BEANS-SUCCULENT-BROADBEANS(TIMAT. SEED) 00 NOT SPECIFIED (NO CONSUMPTION)	20.000	P	0.000020	0.00000000062	0.000	1.00000	0.000001	0.000	0.000000000003
15023AA	BEANS-DRY-PIGEM BEANS 21 COOKED-NFS	0.200	P	0.000007	0.00000000022	0.000	0.01000	0.000000	0.000	0.000000000000
15027AA	BEANS-UNSPECIFIED 21 COOKED-NFS	20.000	P	0.104690	0.00000324539	0.523	1.00000	0.005234	0.026	0.00000016225

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS
			PADI	UF		
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HD1. Rabbit Teratology study as co-critical study.	0.03100	-->1000	Chronic feed/onco- rat Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS TYPE (UG/KG/DAY)	TMRC (UG/KG/DAY)	REFERENCE DOSES		ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	XRFD	ARC	ONCO RISK
					TMRC	ONCO RISK					
15030AA	BEANS-DRY-HYACINTH(MATURE SEEDS) 00 NOT SPECIFIED (NO CONSUMPTION)	0.200	P	0.000000	0.000	0.0000000000	0.01000	0.000000	0.000	0.000000000000	0.000000000000
15030AB	BEANS-SUCCULENT-HYACINTH(YOUNG PODS) 00 NOT SPECIFIED (NO CONSUMPTION)	20.000	P	0.000020	0.000	0.00000000062	1.00000	0.000001	0.000	0.000000000003	0.000000000003
15031AA	BEANS-DRY-BLACKEYE PEAS(COMPEAS) 21 COOKED-NFS	0.200	P	0.000495	0.002	0.00000001535	0.01000	0.000025	0.000	0.000000000078	0.000000000078
15032AA	BEANS-DRY-GARBANZO(CHICK PEA) 21 COOKED-NFS	0.200	P	0.000105	0.001	0.00000000326	0.01000	0.000004	0.000	0.000000000012	0.000000000012
270070A	PEANUTS-OIL 18 PROCESSED OIL	0.100	P	0.000523	0.003	0.00000001621	0.00100	0.000005	0.000	0.000000000016	0.000000000016
CROP GROUP TOTALS FOR LEGUME VEGETABLES:											
				5.425470	27.127	0.00016818957	0.270972		1.355		0.00000840013
02002AA	GRAPEFRUIT-UNSPECIFIED 00 NOT SPECIFIED (NO CONSUMPTION)	5.000	P	0.000005	0.000	0.00000000016	1.00000	0.000001	0.000	0.000000000003	0.000000000003
02002AB	GRAPEFRUIT-PULP 10 RAW-FRESH OR NFS 21 COOKED-NFS	5.000	P	0.342322	1.712	0.00001061198	1.00000	0.068378	0.342	0.00000211972	0.00000000270
02002JA	GRAPEFRUIT-JUICE 15 RAW-FRESH OR NFS 31 COOKED-FRESH OR CANNED	5.000	P	0.812264	4.061	0.00002518018	1.00000	0.156939	0.785	0.00000486511	0.00000017093
02004AA	LEMONS-UNSPECIFIED 10 RAW-FRESH OR NFS 22 COOKED-FRESH-BAKED	5.000	P	0.010348	0.052	0.00000032079	0.05000	0.000099	0.000	0.00000000307	0.00000000012
02004AB	LEMONS-PULP 10 RAW-FRESH OR NFS 31 COOKED-FRESH OR CANNED	5.000	P	0.001074	0.005	0.00000003329	0.05000	0.000006	0.000	0.00000000019	0.00000000016
02004HA	LEMONS-PEEL 10 RAW-FRESH OR NFS 21 COOKED-NFS	5.000	P	0.001285	0.006	0.00000003984	0.05000	0.000012	0.000	0.00000000037	0.00000000003
02004JA	LEMONS-JUICE 10 RAW-FRESH OR NFS 15 RAW-FRESH OR CANNED 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	5.000	P	0.189564	0.948	0.00000587648	0.05000	0.000417	0.002	0.00000001293	0.00000000828
02006AA	ORANGES-UNSPECIFIED 00 NOT SPECIFIED (NO CONSUMPTION)	5.000	P	0.000005	0.000	0.00000000016	0.05000	0.000267	0.001	0.000000000003	0.000000001975
02006AB	ORANGES-PULP 10 RAW-FRESH OR NFS 21 COOKED-NFS	5.000	P	0.751762	3.759	0.00002330462	0.05000	0.000575	0.003	0.00000001783	0.000000000000
							0.10000	0.000000	0.000	0.000000000000	0.000000000000
							0.10000	0.014998	0.075	0.00000046494	0.00000000115
							0.10000	0.000037	0.000	0.000000000000	0.000000000000

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259		2yr feeding- dog NOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDI. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP RfD= 0.020000 EPA RfD= 0.020000 q*: 0.03100	Chronic feed/onco- rat Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	TMRC ONCO RISK	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
02006HA	ORANGES-PEEL 21 COOKED-NFS 22 COOKED-FRESH-BAKED 31 COOKED-FRESH OR CANNED	5.000	P	0.000679	0.00000002105	0.003	0.10000 0.10000 0.10000	0.000001 0.000009 0.000004	0.000 0.000 0.000	0.00000000003 0.00000000028 0.00000000012
02006JA	ORANGES-JUICE 15 RAW-FRESH OR CANNED 31 COOKED-FRESH OR CANNED	5.000	P	9.852538	0.00030542868	49.263	0.10000 0.10000	0.190605 0.006446	0.953 0.032	0.00000590876 0.00000019983
CROP GROUP TOTALS FOR CITRUS FRUITS:										
				11.961846	0.00037081723	59.809	0.445042		2.225	0.00001379630
04001AA	APPLES-FRESH 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED 62 COOKED-FRESH OR FROZEN-BAKED	3.000	P	1.370187	0.00004247580	6.851	0.60000 0.60000 0.60000 0.60000	0.184466 0.003984 0.071437 0.014150	0.922 0.020 0.357 0.071	0.00000571845 0.00000012350 0.00000221455 0.00000043865
04001DA	APPLES-DRIED 10 RAW-FRESH OR NFS 22 COOKED-FRESH-BAKED 62 COOKED-FRESH OR FROZEN-BAKED	3.000	P	0.004954	0.00000015357	0.025	0.60000 0.60000 0.60000	0.000492 0.000187 0.000312	0.002 0.001 0.002	0.00000001525 0.00000000580 0.00000000967
04001JA	APPLES-JUICE 15 RAW-FRESH OR CANNED 31 COOKED-FRESH OR CANNED	3.000	P	0.997421	0.00003092005	4.987	0.60000 0.60000	0.153784 0.045700	0.769 0.229	0.00000476730 0.00000141670
04003AA	PEARS-FRESH 10 RAW-FRESH OR NFS 31 COOKED-FRESH OR CANNED 51 COOKED-CANNED 62 COOKED-FRESH OR FROZEN-BAKED	3.000	P	0.367420	0.00001139002	1.837	0.06000 0.06000 0.06000 0.06000	0.003163 0.002799 0.001370 0.000016	0.016 0.014 0.007 0.000	0.00000009805 0.00000008677 0.00000004247 0.00000000050
04003DA	PEARS-DRIED 10 RAW-FRESH OR NFS 21 COOKED-NFS	3.000	P	0.000627	0.00000001944	0.003	0.06000 0.06000	0.000011 0.000001	0.000 0.000	0.00000000034 0.00000000003
CROP GROUP TOTALS FOR POME FRUITS:										
				2.740609	0.00008495888	13.703	0.481872		2.409	0.00001493803
05001AA	APRICOTS-FRESH 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	7.000	P	0.235825	0.00000731058	1.179	7.00000 7.00000 7.00000	0.039997 0.054472 0.141356	0.200 0.272 0.707	0.00000123991 0.00000168863 0.00000438204
05001DA	APRICOTS-DRIED 10 RAW-FRESH OR NFS 22 COOKED-FRESH-BAKED	7.000	P	0.016968	0.00000052601	0.085	7.00000 7.00000	0.014393 0.002579	0.072 0.013	0.00000044618 0.00000007995
05003AA	NECTARINES 10 RAW-FRESH OR NFS	4.000	P	0.051865	0.00000160782	0.259	0.04000	0.000519	0.003	0.00000001609

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259		2yr feeding- dog MOEL= 22,5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDT. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP Rfd= 0.020000 EPA Rfd= 0.020000 q*: 0.03100	Chronic feed/onco- rat Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	THRC		THRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
				TYPE (UG/KG/DAY)	THRC					
05004AA	PEACHES-FRESH 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED 51 COOKED-CANNED	7.000	P	1.507741	7.539	0.00004673997	1.05000 1.05000 1.05000 1.05000	0.105497 0.010327 0.083878 0.026459	0.527 0.052 0.419 0.132	0.00000327041 0.00000032014 0.00000260022 0.00000082023
05004DA	PEACHES-DRIED 10 RAW-FRESH OR NFS 21 COOKED-NFS	7.000	P	0.002430	0.012	0.00000007533	1.05000 1.05000	0.000193 0.000171	0.001 0.001	0.00000000598 0.00000000530
05005AA	PLUMS(DAWSONS)-FRESH 10 RAW-FRESH OR NFS 31 COOKED-FRESH OR CANNED	7.000	P	0.174038	0.870	0.00000539518	1.05000 1.05000	0.019542 0.006564	0.098 0.033	0.00000060580 0.00000020348
05005DA	PLUMS-PRUNES(DRIED) 10 RAW-FRESH OR NFS 31 COOKED-NFS 31 COOKED-FRESH OR CANNED	7.000	P	0.121949	0.610	0.00000378042	1.05000 1.05000 1.05000	0.001939 0.013665 0.002688	0.010 0.068 0.013	0.00000060111 0.00000042362 0.00000008333
05005JA	PLUMS,PRUNE-JUICE 10 RAW-FRESH OR NFS 62 COOKED-FRESH OR FROZEN-BAKED	7.000	P	0.134797	0.674	0.00000417871	1.05000 1.05000	0.020189 0.000031	0.101 0.000	0.00000062586 0.00000000096
CROP GROUP TOTALS FOR STONE FRUITS:				2.245613	11.228	0.00006961400	0.544459	2.722	0.0001687823	
01010AA	CRANBERRIES 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	1.000	P	0.150137	0.751	0.00000465425	0.10000 0.10000 0.10000	0.000064 0.000002 0.001435	0.000 0.000 0.007	0.00000000198 0.00000000006 0.00000004449
01010JA	CRANBERRIES-JUICE 15 RAW-FRESH OR CANNED 31 COOKED-FRESH OR CANNED	10.000	P	0.187873	0.939	0.00000582406	0.10000 0.10000	0.001870 0.000008	0.009 0.000	0.00000005797 0.00000000025
01014AA	GRAPES-FRESH 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	10.000	P	0.437931	2.190	0.00001357586	2.50000 2.50000 2.50000	0.060644 0.002013 0.046825	0.303 0.010 0.234	0.00000187996 0.00000006240 0.00000145158
01014DA	GRAPES-RAISINS 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED	25.000	P	0.424325	2.122	0.00001315408	6.25000 6.25000 6.25000	0.063899 0.006013 0.036169	0.319 0.030 0.181	0.00000198087 0.00000018640 0.00000112124
01014JA	GRAPES-JUICE 10 RAW-FRESH OR NFS 15 RAW-FRESH OR CANNED 21 COOKED-NFS	10.000	P	1.081152	5.406	0.00003351571	2.50000 2.50000 2.50000	0.025077 0.235265 0.009946	0.125 1.176 0.050	0.00000077739 0.000000729322 0.00000030833
01016AA	STRAWBERRIES 10 RAW-FRESH OR NFS	7.000	P	0.242962	1.215	0.00000753182	0.70000	0.016943	0.085	0.00000052523

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDT. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP Rfd= 0.020000 EPA Rfd= 0.020000 Q*: 0.03100	Chronic feed/onco- rat Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
			TYPE (UG/KG/DAY)	TMRC	%RFD	TMRC ONCO RISK	RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
CROP GROUP TOTALS FOR SMALL FRUITS AND BERRIES:										
15004AA	CORN, POP	0.100	P	0.000677	0.003	0.00000002099	0.00100	0.000007	0.000	0.00000000022
15005AA	CORN, SWEET	0.100	P	0.023671	0.118	0.00000073380	0.00100	0.000000	0.000	0.00000000008
24002EA	CORN, GRAIN-ENDOSPERM	0.100	P	0.016540	0.083	0.00000051274	0.00100	0.000001	0.000	0.00000000003
24002HA	CORN, GRAIN-BRAN	0.100	P	0.000000	0.000	0.00000000000	0.00100	0.000000	0.000	0.00000000000
24002SA	CORN SUGAR	0.100	P	0.014575	0.073	0.00000045183	0.00100	0.000006	0.000	0.00000000019
24006AA	SORGHUM (INCLUDING MILO)	10.000	P	0.237690	1.188	0.0000736839	0.00100	0.000126	0.000	0.00000000043
270020A	CORN, GRAIN-OIL	0.100	P	0.002280	0.011	0.00000007068	0.00100	0.002377	0.012	0.00000007369
CROP GROUP TOTALS FOR CEREAL GRAINS:										
03001AA	ALMONDS	0.100	P	0.000280	0.001	0.00000000868	0.08000	0.000104	0.001	0.00000000322
03009AA	WALNUTS	0.100	P	0.000482	0.002	0.00000001494	0.08000	0.000075	0.000	0.00000000233
CROP GROUP TOTALS FOR TREE NUTS:										
03000AA	RAWM-FRESH OR NFS	0.000	P	0.000000	0.000	0.00000000000	0.03000	0.000043	0.000	0.00000000133
03001AA	COOKED-NFS	0.000	P	0.000000	0.000	0.00000000000	0.03000	0.000001	0.000	0.00000000003
03002AA	COOKED-FRESH-BAKED	0.000	P	0.000000	0.000	0.00000000000	0.03000	0.000100	0.001	0.000000000310



TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259		2yr feeding- dog MOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)		No effects noted at HDT. Rabbit Teratology study as co-critical study.		PADI UF -->1000 OPP Rfd= 0.020000 EPA Rfd= 0.020000		Chronic feed/onco- rat  Reg. Std. 9/86.		EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.	

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	XRFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	XRFD	ARC ONCO RISK
28080AA	PEPPERMINT 00 NOT SPECIFIED (NO CONSUMPTION)	50.000	P	0.000050	0.000	0.00000000155	5.00000	0.000005	0.000	0.00000000016
280800A	PEPPERMINT-OIL 00 NOT SPECIFIED (NO CONSUMPTION)	50.000	P	0.012750	0.064	0.00000039525	5.00000	0.001275	0.006	0.00000003953
28081AA	SPEARMINT 00 NOT SPECIFIED (NO CONSUMPTION)	50.000	P	0.000050	0.000	0.00000000155	5.00000	0.000005	0.000	0.00000000016
280810A	SPEARMINT-OIL 00 NOT SPECIFIED (NO CONSUMPTION)	50.000	P	0.022900	0.115	0.00000070990	5.00000	0.002290	0.011	0.00000007099
CROP GROUP TOTALS FOR HERBS AND SPICES:				0.035750	0.179	0.00000110825	0.003575	0.003575	0.018	0.00000011083
530018A	BEEF-MEAT BYPRODUCTS 21 COOKED-NFS	0.100	P	0.001766	0.009	0.00000005475	0.10000	0.001638	0.008	0.00000005078
530018B	BEEF(ORGAN MEATS)-OTHER 21 COOKED-NFS 51 COOKED-CANNED	0.100	P	0.000603	0.003	0.00000001869	0.10000	0.000128	0.001	0.0000000397
53001DA	BEEF-DRIED 21 COOKED-NFS	0.100	P	0.000253	0.001	0.00000000784	0.10000	0.000085	0.003	0.00000001609
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW) 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.100	P	0.037208	0.186	0.00000115345	0.10000	0.000144	0.001	0.0000000446
	22 COOKED-FRESH-BAKED						0.10000	0.014826	0.074	0.00000045961
	23 COOKED-FRESH-BOILED						0.10000	0.002500	0.013	0.00000007750
	24 COOKED-FRESH-BROILED						0.10000	0.003336	0.017	0.00000010342
	25 COOKED-FRESH-FRIED						0.10000	0.014236	0.071	0.00000044132
53001KA	BEEF(ORGAN MEATS)-KIDNEY 21 COOKED-NFS	0.100	P	0.000048	0.000	0.00000000149	0.10000	0.000048	0.000	0.00000000149
53001LA	BEEF(ORGAN MEATS)-LIVER 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED	0.100	P	0.002070	0.010	0.00000006417	0.10000	0.002042	0.010	0.00000006330
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVABLE FAT) 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.100	P	0.116199	0.581	0.00000360217	0.10000	0.000002	0.000	0.00000000006
	22 COOKED-FRESH-BAKED						0.10000	0.069213	0.346	0.00000214560
	23 COOKED-FRESH-BOILED						0.10000	0.004766	0.024	0.00000014775
	24 COOKED-FRESH-BROILED						0.10000	0.007363	0.037	0.00000022825
53002BA	GOAT-HEAT BYPRODUCTS 00 NOT SPECIFIED (NO CONSUMPTION)	0.100	P	0.000000	0.000	0.00000000000	0.10000	0.000000	0.000	0.00000000000
53002BB	GOAT(ORGAN MEATS)-OTHER 00 NOT SPECIFIED (NO CONSUMPTION)	0.100	P	0.000000	0.000	0.00000000000	0.10000	0.000000	0.000	0.00000000000

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22,5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDT. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP RfD= 0.020000 EPA RfD= 0.020000 Q*: 0.03100	Chronic feed/onco- rat Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS TYPE (UG/KG/DAY)	TMRC	%RFD	ANTICIPATED			ONCO RISK	
						RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD		
53002FA	GOAT (BONELESS)-FAT 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	0.100	P	0.000004	0.000	0.000000000012	0.10000	0.000004	0.000	0.000000000012
53002KA	GOAT (ORGAN MEATS)-KIDNEY 00 NOT SPECIFIED (NO CONSUMPTION)	0.100	P	0.000000	0.000	0.000000000000	0.10000	0.000000	0.000	0.000000000000
53002LA	GOAT (ORGAN MEATS)-LIVER 00 NOT SPECIFIED (NO CONSUMPTION)	0.100	P	0.000000	0.000	0.000000000000	0.10000	0.000000	0.000	0.000000000000
53002MA	GOAT (BONELESS)-LEAN (W/O REMOVEABLE FAT) 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	0.100	P	0.000019	0.000	0.000000000059	0.10000	0.000018	0.000	0.000000000056
53003AA	HORSE 00 NOT SPECIFIED (NO CONSUMPTION)	0.100	P	0.000000	0.000	0.000000000000	0.10000	0.000000	0.000	0.000000000000
53005BA	SHEEP-MEAT BYPRODUCTS 21 COOKED-NFS	0.100	P	0.000005	0.000	0.000000000016	0.10000	0.000005	0.000	0.000000000016
53005BB	SHEEP (ORGAN MEATS)-OTHER 21 COOKED-NFS	0.100	P	0.000002	0.000	0.000000000006	0.10000	0.000002	0.000	0.000000000006
53005FA	SHEEP (BONELESS)-FAT 21 COOKED-NFS	0.100	P	0.000430	0.002	0.00000001333	0.10000	0.000430	0.002	0.00000001333
53005KA	SHEEP (ORGAN MEATS)-KIDNEY 21 COOKED-NFS	0.100	P	0.000001	0.000	0.000000000003	0.10000	0.000001	0.000	0.000000000003
53005LA	SHEEP (ORGAN MEATS)-LIVER 00 NOT SPECIFIED (NO CONSUMPTION)	0.100	P	0.000000	0.000	0.000000000000	0.10000	0.000000	0.000	0.000000000000
53005MA	SHEEP (BONELESS)-LEAN (W/O REMOVEABLE FAT) 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.100	P	0.001248	0.006	0.00000003869	0.10000	0.000000	0.000	0.000000000000
53006BA	PORK-MEAT BYPRODUCTS 21 COOKED-NFS	0.100	P	0.002508	0.013	0.00000007775	0.10000	0.001153	0.006	0.00000003574
53006BB	PORK (ORGAN MEATS)-OTHER 21 COOKED-NFS	0.100	P	0.000385	0.002	0.00000001194	0.10000	0.000096	0.000	0.00000000298
53006FA	PORK (BONELESS)-FAT (INCLUDING LARD) 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.100	P	0.020820	0.104	0.000000064542	0.10000	0.000360	0.002	0.00000001116
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED						0.10000	0.000025	0.000	0.00000000078
	23 COOKED-FRESH-BOILED						0.10000	0.000171	0.001	0.00000000530
	25 COOKED-FRESH-FRIED						0.10000	0.009731	0.049	0.000000030166
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED						0.10000	0.002292	0.011	0.00000007105
	21 COOKED-NFS						0.10000	0.002437	0.012	0.00000007555
	25 COOKED-FRESH-FRIED						0.10000	0.006190	0.031	0.00000001989
53006KA	PORK (ORGAN MEATS)-KIDNEY 21 COOKED-NFS	0.100	P	0.000001	0.000	0.000000000003	0.10000	0.000001	0.000	0.000000000003
53006LA	PORK (ORGAN MEATS)-LIVER 21 COOKED-NFS 25 COOKED-FRESH-FRIED	0.100	P	0.000482	0.002	0.00000001494	0.10000	0.000430	0.002	0.00000001333

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 11/18/92

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS
			PADI	UF		
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog NOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDI. Rabbit Teratology study as co-critical study.	0.03100	>1000	Chronic feed/onco- rat Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	REFERENCE DOSES		ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
					%RFD	TMRC ONCO RISK				
53006MA	PORK(BONELESS)-LEAN (W/O REMOVEABLE FAT)	0.100	P	0.039125	0.196	0.00000121288	0.10000	0.018153	0.091	0.00000056274
	21 COOKED-NFS						0.10000	0.004769	0.024	0.00000014784
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED						0.10000	0.016203	0.081	0.00000050229
CROP GROUP TOTALS FOR RED MEAT:										
				0.223177	1.116	0.00000691849		0.223179	1.116	0.00000691855
550088A	TURKEY-BYPRODUCTS	0.100	P	0.000024	0.000	0.00000000074	0.10000	0.000003	0.000	0.00000000009
	21 COOKED-NFS						0.10000	0.000021	0.000	0.00000000065
550088LA	TURKEY-GIBLETS (LIVER)	0.100	P	0.000005	0.000	0.00000000016	0.10000	0.000003	0.000	0.00000000009
	21 COOKED-NFS						0.10000	0.000002	0.000	0.00000000006
550088MA	TURKEY-FLESH(W/O SKIN, W/O BONES)	0.100	P	0.000797	0.004	0.00000002471	0.10000	0.000490	0.002	0.00000001519
	21 COOKED-NFS						0.10000	0.000197	0.001	0.00000000611
	31 COOKED-FRESH OR CANNED						0.10000	0.000110	0.001	0.00000000341
550088MB	TURKEY-FLESH(+SKIN, W/O BONES)	0.100	P	0.004817	0.024	0.00000014933	0.10000	0.004535	0.023	0.00000014059
	21 COOKED-NFS						0.10000	0.000282	0.001	0.00000000874
550088MC	TURKEY-UNSPECIFIED	0.100	P	0.000010	0.000	0.00000000031	0.10000	0.000010	0.000	0.00000000031
	21 COOKED-NFS						0.10000	0.000000	0.000	0.00000000000
550138A	POULTRY, OTHER-BYPRODUCTS	0.100	P	0.000000	0.000	0.00000000000	0.10000	0.000000	0.000	0.00000000000
	00 NOT SPECIFIED (NO CONSUMPTION)						0.10000	0.000023	0.000	0.00000000071
550138LA	POULTRY, OTHER-GIBLETS(LIVER)	0.100	P	0.000023	0.000	0.00000000071	0.10000	0.000023	0.000	0.00000000071
	25 COOKED-FRESH-FRIED						0.10000	0.000539	0.003	0.00000001671
550138MA	POULTRY, OTHER-FLESH (+SKIN, W/O BONES)	0.100	P	0.000539	0.003	0.00000001671	0.10000	0.000539	0.003	0.00000001671
	21 COOKED-NFS						0.10000	0.000000	0.000	0.00000000000
550158A	CHICKEN-BYPRODUCTS	0.100	P	0.000000	0.000	0.00000000000	0.10000	0.000000	0.000	0.00000000000
	00 NOT SPECIFIED (NO CONSUMPTION)						0.10000	0.000016	0.000	0.00000000050
550158LA	CHICKEN-GIBLETS(LIVER)	0.100	P	0.000506	0.003	0.00000001569	0.10000	0.000451	0.002	0.00000001398
	21 COOKED-NFS						0.10000	0.000038	0.000	0.00000000118
550158MA	CHICKEN-FLESH(W/O SKIN, W/O BONES)	0.100	P	0.006014	0.030	0.00000018643	0.10000	0.003917	0.020	0.00000012143
	21 COOKED-NFS						0.10000	0.000535	0.003	0.00000001659
	22 COOKED-FRESH-BAKED						0.10000	0.000222	0.001	0.00000000688
	25 COOKED-FRESH-FRIED						0.10000	0.000891	0.004	0.00000002762
	31 COOKED-FRESH OR CANNED						0.10000	0.000449	0.002	0.00000001392
550158MB	CHICKEN-FLESH(+SKIN, W/O BONES)	0.100	P	0.037932	0.190	0.00000117589	0.10000	0.020650	0.103	0.00000064015
	21 COOKED-NFS									

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259		2yr feeding- dog NOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDI. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP Rfd= 0.020000 EPA Rfd= 0.020000  g*: 0.03100	Chronic feed/onco- rat  Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. 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 (PPH)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
CROP GROUP TOTALS FOR POULTRY:										
50000B	MILK-NON-FAT SOLIDS	0.080	P	0.050667	0.253	0.00000157068	0.10000	0.017282	0.086	0.00000053574
	10 RAW-FRESH OR NFS			0.569029	2.845	0.00001763990	0.08000	0.456350	2.282	0.00001416685
	21 COOKED-NFS						0.08000	0.092474	0.462	0.00000286669
	51 COOKED-CANNED						0.08000	0.020204	0.101	0.00000062632
50000FA	MILK-FAT SOLIDS	2.000	P	0.859440	4.297	0.00002664264	2.00000	0.676598	3.383	0.00002097454
	10 RAW-FRESH OR NFS						2.00000	0.180241	0.901	0.00000558747
	21 COOKED-NFS						2.00000	0.002601	0.013	0.00000008063
	51 COOKED-CANNED						0.08000	0.000001	0.000	0.00000000003
50000SA	MILK SUGAR (LACTOSE)	0.080	P	0.002994	0.015	0.00000009281	0.08000	0.002993	0.015	0.00000009278
	21 COOKED-NFS						0.10000	0.000428	0.002	0.00000001327
	51 COOKED-CANNED						0.10000	0.031202	0.156	0.00000096726
55014AA	EGGS-WHOLE	0.100	P	0.056450	0.282	0.00000174995	0.10000	0.005996	0.030	0.00000018588
	10 RAW-FRESH OR NFS						0.10000	0.002465	0.012	0.00000007642
	21 COOKED-NFS						0.10000	0.016359	0.082	0.00000050713
	51 COOKED-CANNED						0.10000	0.000011	0.000	0.00000000034
55014AB	EGGS-WHITE ONLY	0.100	P	0.000920	0.005	0.00000002852	0.10000	0.000072	0.000	0.00000000223
	10 RAW-FRESH OR NFS						0.10000	0.000644	0.003	0.00000001996
	21 COOKED-NFS						0.10000	0.000061	0.000	0.00000000189
	51 COOKED-CANNED						0.10000	0.000134	0.001	0.000000000415
55014AC	EGGS-YOLK ONLY	0.100	P	0.000663	0.003	0.00000002055	0.10000	0.000083	0.000	0.00000000257
	10 RAW-FRESH OR NFS						0.10000	0.000198	0.001	0.00000000614
	21 COOKED-NFS						0.10000	0.000250	0.001	0.00000000775
	51 COOKED-CANNED						0.10000	0.000131	0.001	0.000000000406
CROP GROUP TOTALS FOR DAIRY PRODUCTS:										
				1.489496	7.447	0.00004617438	1.489496		7.447	0.00004617438

4132

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Propargite (Omite) Caswell #1301 CAS No. 2312-35-8 A.I. CODE: 097601 CFR No. 180.259	2yr feeding- dog MOEL= 22.5000 mg/kg 900.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: B2 (HED)	No effects noted at HDT. Rabbit Teratology study as co-critical study.	PADI UF -->1000 OPP RfD= 0.020000 EPA RfD= 0.020000 qt: 0.03100	Chronic feed/onco- rat  Reg. Std. 9/86.	EPA verified 08/19/86. HED reassess 03/17/87. EPA pending 04/15/87. EPA verified 03/23/88. WHO last reviewed 1982. On IRIS.

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

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE (UG/KG/DAY)	TMRC ONCO RISK	ARC (UG/KG/DAY)	ARC ONCO RISK	
		28.402495	142.012	0.00088047735	4.564007	22.820	0.00014148422

GRAND TOTALS FOR U.S. POPULATION - 48 STATES

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

DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION 11:16 MONDAY, OCTOBER 17, 1988 22

\*\*\*\*\*  
 \*NAME: PROPARGITE (OMITE) \*\*\*\*\*  
 \*CASWELL NO: 1301 CFR NO: CFR180.259 A 00000.0230 000900.000 001000 Chronic Dog Systemic Minimum DOC. NO. \*  
 \*CAS NO: 02312-35-8 SHAUGHNESSY NO: 097601 B C 000900.000 Chronic Rat Systemic Minimum \*\*\*\*\*  
 \*STATUS CODES: 001000.000 Onco Mouse Systemic \*\*\*\*\*  
 \*RDV INFO: The LD value used in this analysis is .02 MG/KG of BODY WEIGHT/DAY AR DATA: No User Modifications\*  
 \*FILE INFO: Published Tolerance Data Are Used--Without User Modifications. \*\*\*\*\*  
 \*\*\*\*\*

-----  
 FEMALES(13+ YRS)  
 -----

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

PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
99.85	0.021214	106.07
99.85	0.021214	106.07

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

X	%
0	.2
1	.4
2	.6
3	.8
4	1.2
5	1.4
6	1.6
7	1.8
8	2.3
9	2.8
10	3.4
15	5.0
20	6.6

TOLERANCES:  
 ANTICIPATED RESIDUES:

-----  
 MALES(13+ YRS)  
 -----

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

PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
99.94	0.020092	100.46
99.94	0.020092	100.46

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

X	%
0	.2
1	.4
2	.6
3	.8
4	1.2
5	1.4
6	1.6
7	1.8
8	2.3
9	2.8
10	3.4
15	5.0
20	6.6

TOLERANCES:  
 ANTICIPATED RESIDUES:

PUBLISHED  
 USES COMPAISINED

ACUTE RISK

DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION  
 9:57 WEDNESDAY, OCTOBER 28, 1992  
 \*\*\*\*\*  
 \*NAME: PROPARGITE (WHITE)  
 \*CASSELL NO: 1301 CFR NO: CFR180.259 A 00000.0230 000900.000 001000 Chronic Dog Systemic Minimum CORE GRADE DOC. NO.\*  
 \*CAS NO: 02312-35-8 SHAUGHNESSY NO: 097601 B 000900.000 001000.000 Chronic Rat Systemic Minimum  
 \*STATUS CODES: C 001000.000 Onco Mouse Systemic  
 \*RDV INFO: The LD value used in this analysis is .006 MG/KG of BODY WEIGHT/DAY  
 \*FILE INFO: No Tolerance Data Are Used--Without User Modifications.  
 LISTING OF RELEVANT FOODS & FOOD FORMS, ORDERED BY MENU CATEGORY. MENU PATTERN = I  
 CHEMICAL IS ASSUMED TO BE UNIFORMLY DISTRIBUTED (WATER:OIL)

POPULATION = FEMALES(13+ YRS)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	VALUE (PPM)	SORC (PPM) REF.	TYPE	EXCL. AR	INCL. AR
10	RAM-FRESH OR NFS	0.95	5.0000				7.277895

MENU CATEGORY 10: FRUITS

10 RAM-FRESH OR NFS

*AVOCADOS*

DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION  
 9:57 WEDNESDAY, OCTOBER 28, 1992  
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FEMALES(13+ YRS)

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

ESTIMATES BASED ON TOLERANCES:	PERSON DAYS THAT ARE USER-DAYS	MG/KG BODY WEIGHT/DAY	AS PERCENT OF RDV
ANTICIPATED RESIDUES:	0.95	0.000000	0.00
	0.95	0.007278	121.30

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

TOLERANCES:	0	.2	.4	.6	.8	1	1.2	1.4	1.6	1.8	2	3	4	5	10	15	20
ANTICIPATED RESIDUES:	100	85	76	67	61	51	44	38	25	21	15	5	2	1	0	0	0

*MDE 100*

TOMERLIN/1988

Table 2 Acute Exposure Summary for Propargite in Selected Food Commodities Consumed by Females

PROPARGITE

Mean Daily Residue Contribution per User Day

	<u>% User Days</u>	<u>MG/KG/DAY</u>	<u>Average MOS</u>
Dry Beans:	10.7	0.000178	33708
Cranberries:	4.7	0.006764	887
Stone Fruit:	23.0	0.007216	831
Grapes:	24.6	0.009162	655
Hops:	2.6	0.012241	490
Grapefruit:	6.4	0.015241	394
Oranges:	28.7	0.015547	386
Succulent Beans:	15.0	0.028959	207

Table 2b: Acute Exposure Distribution for Propargite in Selected Food Commodities Consumed by Females

	Estimated % of user days with residue contribution exceeding the exposure X in $\frac{UG}{KG}$ where X = $\frac{MG}{KG}$																	
	0	.004	.008	.012	.016	.02	.024	.028	.032	.036	.04	.06	.08	.1	.2	.3	.4	MOS
Dry Beans:	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33708
Cranberries:	100	24	16	13	12	10	8	7	6	5	4	2	1	0	0	0	0	887
Stone Fruit:	100	40	32	23	17	11	7	5	4	3	2	0	0	0	0	0	0	831
Grapes:	100	29	23	21	18	16	13	11	9	8	7	3	1	1	0	0	0	655
Hops:	100	94	54	35	22	14	10	7	4	4	2	1	0	0	0	0	0	490
Grapefruit:	100	99	90	53	30	18	11	7	5	3	3	1	0	0	0	0	0	394
Oranges:	100	92	85	59	38	24	13	8	6	4	3	1	0	0	0	0	0	386
Succulent Beans:	100	98	92	83	75	65	50	39	32	28	22	6	3	1	0	0	0	207
MOS:	1500	750	500	375	300	250	214	188	167	150	100	75	60	30				MOE

NOTE: The distributions shown above represent the exposure encountered by people who consume food containing residues at levels specified in the accompanying memorandum and tables.



DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

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 \*STATUS CODES: C  
 \*RDV INFO: The LD value used in this analysis is .02 MG/KG of BODY WEIGHT/DAY  
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\*\*\*\*\*  
 AR DATA: No User Modifications\*  
 : FOOD FORM CONTRIBUTION  
 : TO EXPOSURE  
 : (UG/KG BODY WT PER DAY)

POPULATION = FEMALES(13+ YRS)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA		AR DATA		DAILY ANTICIPATED RESIDUE	
			VALUE (PPM)	TYPE	VALUE (PPM)	REF.	MAXIMUM RESIDUE (EXCL. AR)	DAILY ANTICIPATED RESIDUE (INCL. AR)
53001BA	BEEF-MEAT BYPRODUCTS	6.64	0.1000	P	0.014825		0.014825	0.014825
53001BB	BEEF (ORGAN MEATS)-OTHER	6.15	0.1000	P	0.007745		0.007745	0.007745
53001DA	BEEF-DRIED	0.24	0.1000	P	0.070308		0.070308	0.070308
53001FA	BEEF (BONELESS)-FAT (BEEF TALLOW)	96.97	0.1000	P	0.029423		0.029423	0.029423
53001KA	BEEF (ORGAN MEATS)-KIDNEY	0.02	0.1000	P	0.169095		0.169095	0.169095
53001LA	BEEF (ORGAN MEATS)-LIVER	1.11	0.1000	P	0.185305		0.185305	0.185305
53001MA	BEEF (BONELESS)-LEAN (W/O REMOVEABLE FAT)	67.84	0.1000	P	0.130239		0.130239	0.130239
53002BA	GOAT-MEAT BYPRODUCTS	0.00	0.1000	P	0.000000		0.000000	0.000000
53002BB	GOAT (ORGAN MEATS)-OTHER	0.00	0.1000	P	0.000000		0.000000	0.000000
53002FA	GOAT (BONELESS)-FAT	0.02	0.1000	P	0.031759		0.031759	0.031759
53002KA	GOAT (ORGAN MEATS)-KIDNEY	0.00	0.1000	P	0.000000		0.000000	0.000000
53002LA	GOAT (ORGAN MEATS)-LIVER	0.00	0.1000	P	0.000000		0.000000	0.000000
53002MA	GOAT (BONELESS)-LEAN (W/O REMOVEABLE FAT)	0.02	0.1000	P	0.151818		0.151818	0.151818
53003AA	HORSE	0.00	0.1000	P	0.000000		0.000000	0.000000
53005BA	SHEEP-MEAT BYPRODUCTS	0.01	0.1000	P	0.119685		0.119685	0.119685
53005BB	SHEEP (ORGAN MEATS)-OTHER	0.00	0.1000	P	0.158138		0.158138	0.158138
53005FA	SHEEP (BONELESS)-FAT	0.68	0.1000	P	0.064563		0.064563	0.064563
53005KA	SHEEP (ORGAN MEATS)-KIDNEY	0.00	0.1000	P	0.057371		0.057371	0.057371
53005LA	SHEEP (ORGAN MEATS)-LIVER	0.00	0.1000	P	0.000000		0.000000	0.000000
53005MA	SHEEP (BONELESS)-LEAN (W/O REMOVEABLE FAT)	0.72	0.1000	P	0.158589		0.158589	0.158589
53006BA	PORK-MEAT BYPRODUCTS	6.81	0.1000	P	0.025728		0.025728	0.025728
53006BB	PORK (ORGAN MEATS)-OTHER	5.80	0.1000	P	0.004438		0.004438	0.004438
53006FA	PORK (BONELESS)-FAT (INCLUDING LARD)	96.07	0.1000	P	0.015553		0.015553	0.015553
53006KA	PORK (ORGAN MEATS)-KIDNEY	0.87	0.1000	P	0.146843		0.146843	0.146843
53006LA	PORK (ORGAN MEATS)-LIVER	48.45	0.1000	P	0.041908		0.041908	0.041908
53006MA	PORK (BONELESS)-LEAN (W/O REMOVEABLE FAT)	0.23	0.1000	P	0.060880		0.060880	0.060880
55008BA	TURKEY-BYPRODUCTS	0.01	0.1000	P	0.009469		0.009469	0.009469
55008LA	TURKEY-GIBLETS (LIVER)	0.33	0.1000	P	0.107329		0.107329	0.107329
55008MA	TURKEY-FLESH (W/O SKIN, W/O BONES)	2.41	0.1000	P	0.163864		0.163864	0.163864
55008MB	TURKEY-FLESH (+SKIN, W/O BONES)	0.02	0.1000	P	0.160525		0.160525	0.160525
55008MC	TURKEY-UNSPECIFIED	0.00	0.1000	P	0.072809		0.072809	0.072809
55013BA	POULTRY, OTHER-BYPRODUCTS	0.00	0.1000	P	0.000000		0.000000	0.000000
55013LA	POULTRY, OTHER-GIBLETS (LIVER)	0.02	0.1000	P	0.077114		0.077114	0.077114
55013MA	POULTRY, OTHER-FLESH (+SKIN, W/O BONES)	0.19	0.1000	P	0.248437		0.248437	0.248437
55015BA	CHICKEN-BYPRODUCTS	0.00	0.1000	P	0.000000		0.000000	0.000000
55015LA	CHICKEN-GIBLETS (LIVER)	0.62	0.1000	P	0.077856		0.077856	0.077856
55015MA	CHICKEN-FLESH (W/O SKIN, W/O BONES)	4.61	0.1000	P	0.105953		0.105953	0.105953
55015MB	CHICKEN-FLESH (+SKIN, W/O BONES)	18.36	0.1000	P	0.166698		0.166698	0.166698

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POPULATION = FEMALES(13+ YRS)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	NUMBER OF CONSUMER DAYS AS PERCENT OF POTENTIAL PERSON DAYS	TOLERANCE DATA		AR DATA		DAILY ANTICIPATED RESIDUE	
			VALUE (PPM)	TYPE	VALUE (PPM)	REF.	RESIDUE (EXCL. AR)	RESIDUE (INCL. AR)

MENU CATEGORY 2: DRY BEANS, PEANUTS

15001AA	BEANS-DRY-GREAT NORTHERN	0.00	P	0.2000		0.000000	0.000000
15001AB	BEANS-DRY-KIDNEY	1.12	P	0.2000		0.206190	0.206190
15001AC	BEANS-DRY-LIMA	0.61	P	0.2000		0.201698	0.201698
15001AD	BEANS-DRY-NAVY (PEA)	3.23	P	0.2000		0.133092	0.133092
15001AE	BEANS-DRY-OTHER	3.58	P	0.2000		0.157365	0.157365
15001AF	BEANS-DRY-PINTO	2.16	P	0.2000		0.231887	0.231887
15006AA	PEANUTS-WHOLE	8.55	P	0.1000		0.038607	0.038607
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED)	0.00	P	0.2000		0.000000	0.000000
15022AB	BEANS-SUCCULENT-BROADBEANS(IMMATURE SEED)	0.00	P	20.0000		0.000000	0.000000
15023AA	BEANS-DRY-PIGION BEANS	0.01	P	0.2000		0.252668	0.252668
15027AA	BEANS-UNSPECIFIED	0.43	P	20.0000		19.245819	19.245819
15030AA	BEANS-DRY-HVACINTH(MATURE SEEDS)	0.00	P	0.2000		0.000000	0.000000
15030AB	BEANS-SUCCULENT-HVACINTH(YOUNG PODS)	0.00	P	20.0000		0.000000	0.000000
15031AA	BEANS-DRY-BLACKEYE PEAS(COMPEAS)	0.20	P	0.2000		0.218959	0.218959
15032AA	BEANS-DRY-GARBANZO(CHICK PEA)	0.10	P	0.2000		0.098330	0.098330
270070A	PEANUTS-OIL	96.90	P	0.1000		0.000468	0.000468

MENU CATEGORY 3: EGGS

55014AA	EGGS-WHOLE	87.06	P	0.1000		0.048654	0.048654
55014AB	EGGS-WHITE ONLY	6.99	P	0.1000		0.009483	0.009483
55014AC	EGGS-YOLK ONLY	14.65	P	0.1000		0.003004	0.003004

MENU CATEGORY 5: MILK; FAT SOLIDS

50000FA	MILK-FAT SOLIDS	96.79	P	2.0000 H		0.529375	0.529375
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MENU CATEGORY 6: GRAINS(EXCL. RICE), SOYBEANS, VEG. OILS

15004AA	CORN, POP	2.05	P	0.1000		0.022810	0.022810
24002EA	CORN, GRAIN-ENDOSPERM	34.73	P	0.1000		0.029015	0.029015
24002HA	CORN, GRAIN-BRAN	0.00	P	0.1000		0.000000	0.000000
24006AA	SORGHUM (INCLUDING MILO)	0.00	P	10.0000		0.000000	0.000000
270020A	CORN, GRAIN-OIL	96.95	P	0.1000		0.001933	0.001933
270030A	COTTONSEED-OIL	96.90	P	0.1000		0.001719	0.001719
27003WA	COTTONSEED-MEAL	0.90	P	0.1000		0.000614	0.000614

MENU CATEGORY 7: STARCHY VEG., INCL. RICE, SWEETPOTATO

14013AA	POTATOES(WHITE)-WHOLE	14.86	P	0.1000		0.194400	0.194400
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11:16 MONDAY, OCTOBER 17, 1988 15

DETAILED ACUTE ANALYSIS INCLUDING AR'S: ALL STATISTICS BASED ON USERS' DAILY CONSUMPTION

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 \*CAS NO: 02312-35-8 SHRAUGHNESSY NO: 097601 B 000900.000 001000.000 Onco Rat Systemic Minimum  
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POPULATION = FEMALES(13+ YRS)

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	: NUMBER OF CONSUMER		: TOLERANCE DATA		: AR DATA		: DAILY	
		: DAYS AS PERCENT OF	: POTENTIAL PERSON DAYS	: VALUE	: SORC (PPM) TYPE	: VALUE (PPM) REF.	: (EXCL. AR) (INCL. AR)	: MAXIMUM RESIDUE	: ANTICIPATED RESIDUE
14013AB	POTATOES(WHITE)-UNSPECIFIED	0.70	P	0.1000				0.000980	0.000980
14013AC	POTATOES(WHITE)-PEELED	40.08	P	0.1000				0.136852	0.136852
14013DA	POTATOES(WHITE)-DRY	0.09	P	0.1000				0.284540	0.284540
14013HA	POTATOES(WHITE)-PEEL ONLY	0.00	P	0.1000				0.075261	0.075261
MENU CATEGORY 9: OTHER VEGETABLES, INCL. BRASSICA									
15002AA	BEANS-SUCCULENT-LIMA	2.45	P	20.0000				17.961343	17.961343
15003AA	BEANS-SUCCULENT-GREEN	12.23	P	20.0000				26.854163	26.854163
15003AB	BEANS-SUCCULENT-OTHER	1.00	P	20.0000				43.009769	43.009769
15003AC	BEANS-SUCCULENT-YELLOW, MAX	0.33	P	20.0000				29.765400	29.765400
15005BA	CORN, SWEET	11.56	P	0.1000				0.138527	0.138527
15013AA	MUNG BEANS (SPROUTS)	0.80	P	0.2000				0.147700	0.147700

MENU CATEGORY 10: FRUITS

01010AA	CRANBERRIES	4.03	P	10.0000				2.169881	2.169881
01010JA	CRANBERRIES-JUICE	0.69	P	10.0000				33.530253	33.530253
01014AA	GRAPES-FRESH	6.56	P	10.0000				4.639736	4.639736
01014DA	GRAPES-RAISINS	6.28	P	25.0000 H				4.167945	4.167945
01014JA	GRAPES-JUICE	11.46	P	10.0000				5.265738	5.265738
01016AA	STRAWBERRIES	13.09	P	7.0000				1.652084	1.652084
02002AA	GRAPEFRUIT-UNSPECIFIED	0.00	P	5.0000				0.000000	0.000000
02002AB	GRAPEFRUIT-PULP	3.60	P	5.0000				12.971175	12.971175
02002JA	GRAPEFRUIT-JUICE	2.86	P	5.0000				36.946272	36.946272
02004AA	LEMONS-UNSPECIFIED	1.02	P	5.0000				1.094209	1.094209
02004AB	LEMONS-PULP	0.39	P	5.0000				0.422295	0.422295
02004HA	LEMONS-PEEL	1.21	P	5.0000				0.175634	0.175634
02004JA	LEMONS-JUICE	21.36	P	5.0000				0.997190	0.997190
02006AA	ORANGES-UNSPECIFIED	0.00	P	5.0000				0.000000	0.000000
02006AB	ORANGES-PULP	5.43	P	5.0000				10.632430	10.632430
02006HA	ORANGES-PEEL	1.75	P	5.0000				0.025783	0.025783
02006JA	ORANGES-JUICE	23.79	P	5.0000				29.393576	29.393576
04001AA	APPLES-FRESH	14.49	P	3.0000				5.902796	5.902796
04001DA	APPLES-DRIED	0.10	P	3.0000				4.904557	4.904557
04001JA	APPLES-JUICE	14.93	P	3.0000				2.513111	2.513111
04003AA	PEARS-FRESH	4.65	P	3.0000				4.750190	4.750190
04003DA	PEARS-DRIED	0.01	P	3.0000				7.085293	7.085293
05001AA	APRICOTS-FRESH	13.98	P	7.0000				0.979823	0.979823
05001DA	APRICOTS-DRIED	0.08	P	7.0000				21.615313	21.615313
05003AA	NECTARINES	0.51	P	4.0000				10.286627	10.286627
05004AA	PEACHES-FRESH	17.83	P	7.0000				5.890854	5.890854

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 \*CAS NO: 02312-35-8 SHRAUGHNESSY NO: 097601 B C 000900.000 Onco Rat Systemic Minimum  
 \*STATUS CODES: 001000.000 Mouse Systemic Minimum  
 \*RDV INFO: The LD value used in this analysis is .02 MG/KG of BODY WEIGHT/DAY  
 \*FILE INFO: Published Tolerance Data Are Used--Without User Modifications.  
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		: DAYS AS PERCENT OF	: POTENTIAL PERSON DAYS	: VALUE	: TYPE	: VALUE	: (PPM) REF.	: MAXIMUM RESIDUE	: ANTICIPATED RESIDUE
05004DA	PEACHES-DRIED	0.01		7.0000	P	7.0000		27.250076	27.250076
05005AA	PLUMS(DAMSONS)-FRESH	0.94		7.0000	P	7.0000		12.535259	12.535259
05005DA	PLUMS-PRUNES(DRIED)	0.81		7.0000	P	7.0000		16.084813	16.084813
05005JA	PLUMS,PRUNE-JUICE	0.65		7.0000	P	7.0000		23.922049	23.922049
06005AA	FIGS	0.41		9.0000 H	P	9.0000 H		5.909389	5.909389
MENU CATEGORY 11: NUTS AND SEEDS									
03001AA	ALMONDS	2.15		0.1000	P	0.1000		0.011650	0.011650
03009AA	WALNUTS	6.31		0.1000	P	0.1000		0.005474	0.005474
MENU CATEGORY 12: SUGARS									
24002SA	CORN SUGAR	53.61		0.1000	P	0.1000		0.015949	0.015949
MENU CATEGORY 13: MISCELLANEOUS FOODS									
07003AA	TEA	33.56		10.0000 H	P	10.0000 H		1.103495	1.103495
08020AA	HOPS	2.58		30.0000 H	P	30.0000 H		12.240540	12.240540
26011AA	GUAR BEANS	0.00		0.2000	P	0.2000		0.000000	0.000000
28080AA	PEPPERMINT	0.00		50.0000	P	50.0000		0.000000	0.000000
28080QA	PEPPERMINT-OIL	0.00		50.0000	P	50.0000		0.000000	0.000000
28081AA	SPEARMINT	0.00		50.0000	P	50.0000		0.000000	0.000000
28081QA	SPEARMINT-OIL	0.00		50.0000	P	50.0000		0.000000	0.000000
43056AA	WINE AND SHERRY	3.48		10.0000	P	10.0000		31.052001	31.052001

AR DATA: No User Modifications\*  
 : FOOD FORM CONTRIBUTION  
 : TO EXPOSURE  
 : (UG/KG BODY WT PER DAY)

\*\*\*\*\*  
 MENU CATEGORY 29: INESTIMABLE RACS  
 90997AA INEST. RACS--TOLERANCE TOO SPECIFIC  
 90999AA FEED RACS--INEST. FROM USDA SURVEY



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

MEMORANDUM

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: Propargite (Omite): Acute Dietary Exposure Analysis

FROM: J. Robert Tomerlin, Ph.D. *J.R. Tomerlin 11/1/88*  
Tolerance Assessment System Staff  
HED/RCB (TS 769C)

THRU: R. Bruce Jaeger *RBJ 10/20/88* *EB 10/24/88*  
Head, Special Analysis and Outreach Section  
HED/SACB (TS 769C)

TO: Janet Auerbach/Jack Housenger  
Special Review Branch (TS 767C)

Action Requested

Provide an acute dietary exposure analysis, including Margins of Safety, for the currently established tolerances of propargite (Omite) on food (J. Housenger memorandum, 10/13/88).

Discussion

1. Toxicology Endpoint: The NOEL for developmental toxicity used in the analysis is 2 mg/kg/day from a rabbit study (personal communication, J. W. Hauswirth).
2. Residue Information: The food uses evaluated were established tolerances from 40 CFR 180.259 and food additive tolerances from 40 CFR 185.5000. A summary of the residue information used in the analysis is attached as Table 1.
3. Acute Analysis: The TAS acute exposure analysis estimates the distribution of single-day exposures for the overall U.S. population and certain population subgroups. The analysis evaluates individual food consumption and accumulates exposure to propargite for each food consumed for which a tolerance has been established. Note that the analysis assumes that propargite residues are present at tolerance levels in all registered commodities.

Because the toxicologic endpoint assessed pertains to developmental toxicity, the only subgroup of interest in this analysis is women aged 13 and above. The theoretical maximum acute (single-day) exposure for the average female consumer is

0.021214 mg/kg body weight/day. The MOS for the average consumer may be calculated according to the following relationship:

$$\begin{aligned}\text{Average MOS} &= \text{NOEL} / \text{Exposure} \\ &= 2 \text{ mg/kg/day} / 0.021214 \text{ mg/kg/day} \\ &= 94\end{aligned}$$

Table 2 presents the distribution of exposure, assuming tolerance levels in all treated foods. Note from this table that 39 per cent of women aged 13 and above are estimated to ingest enough propargite to have an MOS less than 100, and 19 per cent are estimated to have an MOS less than 50. No woman is expected to have an MOS less than 10.

4. Comments: Exposure may result from eating one or several foods for which propargite tolerances are established. This analysis can not determine how many or what particular food commodities make up the exposure distribution.

The analysis over estimates acute dietary exposure to propargite. It is highly unlikely that any consumer would encounter tolerance level residues in all treated foods on the same day. The exposure estimates, therefore, do not represent actual exposure.

Using the inflated exposure estimates, the analysis provides Margins of Safety less than 100 for a substantial proportion of women aged 13 and above. Separate analyses for commodities contributing the most to the supposed acute exposure (e.g., beans, cranberries, grapefruit, grapes, hops, oranges, and stone fruits) may provide a more realistic and understandable picture of the risk of developmental toxic effect from acute exposure to propargite.

Attachments

cc: Sepehr Haddad (SRB, TS 767C), Tomerlin (SACB), DEB,  
TAS File, Caswell 130I, PMSD

Table 1

CHEMICAL INFORMATION FOR CASWELL NUMBER 1301

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS
			IPADI	SF -->1000		
Propargite (Omite)	2yr feeding- dog	No effects noted at 1000 ppm			Chronic feeding- rat	IED complete 7/14/86
Caswell #1301	NOEL= 22.5000 mg/kg	Rabbit Teratology study	OPP RfD= 0.020000		Reproduction	EPA verified 8/19/86.
CAS No. 2312-35-8	900.00 ppm	as co-critical study.	EPA RfD= 0.020000		UF of 10 used for data	WHO last reviewed 1982.
A. I. CODE: 097601	LEL= 0.0000 mg/kg	Negative for oncogenicity			gaps.	HED reassess 3/17/87.
CTR No. 180.259	0.00 ppm	in mice, rat study inadequate histopathology.			Reg. Std. 9/86.	EPA pending 4/15/87
	ONCO: Negative- 1 species					EPA verified 3/23/88.

FOOD CODE	FOOD NAME	PETITION NUMBER	NEW	TOLERANCE (PPM)	
				PENDING	PUBLISHED
01010AA	CRANBERRIES	5F1609			10.000000
01010JA	CRANBERRIES-JUICE	5F1609			10.000000
01014AA	GRAPES-FRESH	0F0988			10.000000
01014DA	GRAPES-RAISINS				25.000000H
01014JA	GRAPES-JUICE	0F0988			10.000000
01016AA	STRAWBERRIES	9F0803			7.000000
02002AA	GRAPEFRUIT-UNSPECIFIED	0F0988			5.000000
02002AB	GRAPEFRUIT-PULP	0F0988			5.000000
02002JA	GRAPEFRUIT-JUICE	0F0988			5.000000
02004AA	LEMONS-UNSPECIFIED	0F0988			5.000000
02004AB	LEMONS-PULP	0F0988			5.000000
02004HA	LEMONS-PEEL	0F0988			5.000000
02004JA	LEMONS-JUICE	0F0988			5.000000
02006AA	ORANGES-UNSPECIFIED	0F0988			5.000000
02006AB	ORANGES-PULP	0F0988			5.000000
02006HA	ORANGES-PEEL	0F0988			5.000000
02006JA	ORANGES-JUICE	0F0988			5.000000
03001AA	ALMONDS	4F1520			0.100000
03009AA	WALNUTS	9F0803			0.100000
04001AA	APPLES-FRESH	4F1520			3.000000
04001DA	APPLES-DRIED	4F1520			3.000000
04001JA	APPLES-JUICE	4F1520			3.000000
04003AA	PEARS-FRESH	8F0730			3.000000
04003DA	PEARS-DRIED	8F0730			3.000000
05001AA	APRICOTS-FRESH	4F1520			7.000000
05001DA	APRICOTS-DRIED	4F1520			7.000000
05003AA	NECTARINES	9F0910			4.000000
05004AA	PEACHES-FRESH	8F0730			7.000000
05004DA	PEACHES-DRIED	8F0730			7.000000
05005AA	PLUMS (DANSONS)-FRESH	3F1305			7.000000
05005DA	PLUMS-PRUNES(DRIED)	3F1305			7.000000
05005JA	PLUMS, PRUNE -JUICE	3F1305			7.000000
06005AA	FIGS				9.000000H
07003AA	TEA				10.000000H
08020AA	HOPS				30.000000H
1401JAA	POTATOES(WHITE)-WHOLE	2F1272			0.100000
1401JAB	POTATOES(WHITE)-UNSPECIFIED	2F1272			0.100000
1401JAC	POTATOES(WHITE)-PEELED	2F1272			0.100000
1401JDA	POTATOES(WHITE)-DRY	2F1272			0.100000
1401JHA	POTATOES(WHITE)-PEEL ONLY	2F1272			0.100000

Table 1, continued

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS
			IPADI	SF		
Propargite (Omite)	2yr feeding-dog	No effects noted at HDT.		-->1000	Chronic feeding- rat	HED complete 7/14/86.
Caswell #1301	NDEL= 22,5000 mg/kg	Rabbit Teratology study	ORP RfD= 0.020000		Reproduction	EPA verified 8/19/86
CAS No. 2312-35-8	LEL= 900.00 ppm	as co-critical study.	EPA RfD= 0.020000		UP of 10 used for data	WHO last reviewed 1982
A.I. CODE: 097601	ONCO: Negative- 1 species	Negative for oncogenicity			gaps.	HED reassess 3/17/87.
CFR No. 180.259		in mice, rat study inadequate histopathology.			Reg. Std. 9/86.	EPA pending 4/15/87
						EPA verified 3/23/88

FOOD CODE	FOOD NAME	PETITION NUMBER	NEW	TOLERANCE (PPM)	
				PENDING	PUBLISHED
15001AA	BEANS-DRY-GREAT NORTHERN	4F1520			0.200000
15001AB	BEANS-DRY-KIDNEY	4F1520			0.200000
15001AC	BEANS-DRY-LIMA	4F1520			0.200000
15001AD	BEANS-DRY-NAVY (PEA)	4F1520			0.200000
15001AE	BEANS-DRY-OTHER	4F1520			0.200000
15001AF	BEANS-DRY-PINTO	4F1520			0.200000
15002AA	BEANS-SUCCULENT-LIMA	4F1520			20.000000
15003AA	BEANS-SUCCULENT-GREEN	4F1520			20.000000
15003AB	BEANS-SUCCULENT-OTHER	4F1520			20.000000
15003AC	BEANS-SUCCULENT-YELLOW, WAX	4F1520			20.000000
15004AA	CORN, POP	2F1272			0.100000
15005AA	CORN, SWEET	0F2424			0.100000
15006AA	PEANUTS-WHOLE	6F1665			0.100000
15013AA	MUNG BEANS (SPROUTS)	4F1520			0.200000
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED)	4F1520			0.200000
15022AB	BEANS-SUCCULENT-BROADBEANS(TIMMAT. SEED)	4F1520			20.000000
15023AA	BEANS-DRY-PIGEON BEANS	4F1520			0.200000
15027AA	BEANS-UNSPECIFIED	4F1520			20.000000
15030AA	BEANS-DRY-HYACINTH(MATURE SEEDS)	4F1520			0.200000
15030AB	BEANS-SUCCULENT-HYACINTH(YOUNG PODS)	4F1520			20.000000
15031AA	BEANS-DRY-BLACKEYE PEAS(COMPEAS)	4F1520			0.200000
15032AA	BEANS-DRY-GARBANZO(CHICK PEA)	4F1520			0.100000
24002EA	CORN, GRAIN-ENDOSPERM	2F1272			0.100000
24002HA	CORN, GRAIN-BRAN	2F1272			0.100000
24002SA	CORN SUGAR	2F1272			10.000000
24006AA	SORGHUM (INCLUDING MILO)	4F1520			0.200000
26011AA	GUAR BEANS	4F1520			0.100000
270020A	CORN, GRAIN-OIL	2F1272			0.100000
270030A	COTTONSEED-OIL	2F1288			0.100000
27003WA	COTTONSEED-MEAL	2F1288			0.100000
270070A	PEANUTS-OIL	6F1665			0.100000
28080AA	PEPPERMINT	0F0988			50.000000
280800A	PEPPERMINT-OIL	0F0988			50.000000
28081AA	SPEARMINT	0F0988			50.000000
280810A	SPEARMINT-OIL	0F0988			50.000000
43058AA	WINE AND SHERRY	0F0988			10.000000
50000FA	MILK-FAT SOLIDS	0F0988			2.000000H
53001BA	BEEF-MEAT BYPRODUCTS	0F0988			0.100000
53001BB	BEEF (ORGAN MEATS) -OTHER	0F0988			0.100000
53001DA	BEEF-DRIED	0F0988			0.100000



Table 2: Acute Dietary Exposure Analysis for Propargite (Omite)

<u>Mean Daily Residue Contribution per Consumer</u>	
<u>% Consumers</u>	<u>MG/KG/DAY</u>
99.8	0.021214
	Average MOS
	94

Estimated % of user days with residue contribution exceeding the exposure X in  $\mu\text{G}/\text{KG}$ , where X =

	0	.004	.008	.012	.016	.02	.024	.028	.032	.036	.04	.06	.08	1	2	3	4
Females:	100	61	54	49	44	39	34	30	26	22	19	8	4	2	0	0	0
(MOS):	(500)	(250)	(167)	(125)	(100)	(83)	(71)	(62)	(56)	(50)	(33)	(25)	(20)	(10)			

\*\* The analysis assumes that all treated foods contain tolerance levels of Propargite \*\*  
 \*\* Exposure results from consuming at least one registered food item. Exposure may result \*\*  
 \*\* from consuming more than one item. The exact number may not be determined from this analysis. \*\*



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

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MEMORANDUM

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: Acute Exposure Analysis for Propargite (Omite) for Selected Food Commodities

FROM: J. Robert Tomerlin, Ph.D. *JR Tomerlin 11/30/88*  
Tolerance Assessment System Staff  
HED/SACB (TS 769C)

THROUGH: R. Bruce Jaeger *RBJ 12/1/88*  
Head, Special Analysis and Outreach Section  
HED/SACB (TS 769C)

TO: Janet Auerbach/Jack Housenger  
Special Review Branch (TS 767C)

Action Requested

Provide an acute dietary exposure analysis, including Margins of Safety, for the currently established tolerances of propargite (Omite) on selected high exposure food commodities, as recommended in a previous TAS analysis (J. R. Tomerlin memorandum, 10/24/88).

Discussion

1. Toxicology Endpoint: The NOEL for developmental toxicity used in the analysis is 6 mg/kg body weight/day from a rat study (Quang Bui, memorandum, 11/13/88)
2. Residue Information: Food uses established by 40 CFR 180.259 and food additive uses in 40 CFR 185.5000 were evaluated. We assumed that residues were at tolerance levels and that 100 per cent of the crop was treated. Separate analyses were conducted for: cranberries, dry beans, grapefruit, grapes, hops, oranges, stone fruits, and succulent beans. A summary of the residue information used in the analyses is attached as Table 1.
3. Acute Exposure Analysis: The TAS acute exposure analysis estimates the distribution of single-day exposures for the overall U.S. population and certain population subgroups. The analysis evaluates individual food consumption, as reported by respondents in the 1977-78 USDA Food Consumption Survey, and accumulates exposure to propargite for each food consumed for which a tolerance has been established. Each analysis assumes

that propargite residues are present at tolerance levels in all foods consumed for which a tolerance is established.

The toxicologic endpoint pertains to developmental toxicity. The TAS subgroup of interest in this analysis is women aged 13 and above, which is the TAS subgroup most closely approximating women of child-bearing age. The MOS for the average consumer may be calculated according to the following relationship:

$$\text{Average MOS} = \text{NOEL} / \text{Exposure}$$

Such calculations may be made for each food commodity evaluated. The specific acute exposure analyses are summarized below.

Dry Beans: The acute exposure analysis (Table 2) shows that women are not expected to ingest more than 0.004 ug/kg/day of propargite in dry beans, representing an MOS of not less than 1500. This commodity group does not significantly contribute to the total estimated exposure reported previously (Tomerlin memorandum, 10/24/88).

Cranberries: Each day, 4.7 per cent of the adult female population are estimated to consume cranberries. Of these consumers, two per cent are expected to ingest enough propargite to have an MOS less than 100 (Table 2). Thus, each day, 0.1 per cent (2% x 4.7%) of the total adult female population is estimated to ingest enough propargite to have an MOS less than 100. The analysis predicts that each day, the average consumer of cranberries ingests 0.006764 mg/kg of propargite, yielding an average MOS of 887 (Table 2).

Stone Fruits: According to the TAS analysis, the average female consumer of stone fruits ingests 0.007216 mg/kg of propargite, representing an average MOS of 831 (Table 2). Each day, 23 per cent of the adult female population consume stone fruits, of which the entire supply is assumed to contain tolerance levels of propargite residues. The exposure distribution (Table 2) shows that none of the consumers have an MOS less than 100.

Grapes: The average consumer of grapes has an MOS of 655 from an estimated intake of 0.009162 mg/kg of propargite (Table 2). Each day, approximately 25 per cent of the adult female population are expected to consume grapes. Three per cent of these are estimated to have an MOS less than 100 (Table 2). None are expected to have an MOS less than 30.

Hops: Only three per cent of the adult female population are estimated to consume hops on any given day. The exposure distribution, based upon tolerance level propargite

residues (Table 2), shows that one per cent of the consumers are estimated to have an MOS less than 100. The average adult female consumer of hops, according to the TAS analysis, ingests 0.012241 mg/kg of propargite, for an average MOS of 490 (Table 2).

Grapefruit: The TAS analysis indicates that the average consumer of grapefruit ingests 0.015241 mg/kg of propargite, having an average MOS of 394 (Table 2). Only six per cent of the adult female population are estimated to consume grapefruit on any given day. One per cent of these consumers are estimated to have an MOS less than 100 (Table 2).

Oranges: Each day, approximately 29 per cent of the adult female population consume oranges. The average consumer is estimated to ingest 0.015547 mg/kg of propargite, having an average MOS of 386 (Table 2). Of these, one per cent are estimated to have an MOS of less than 100.

Succulent Beans: Approximately 15 per cent of the women consume succulent beans, all assumed to have 20 ppm propargite residues, on any given day. It is estimated that the average consumer ingests 0.028959 mg/kg of propargite, representing an average MOS of 207 (Table 2). Six per cent of these consumers are estimated to have an MOS less than 100 (Table 2). The distribution for succulent beans tapers gradually, so that one per cent of the consuming female population is estimated to have an MOS less than 60.

4. Comments: A previous analysis estimated acute exposure to propargite from all registered uses (Tomerlin memorandum, 10/24/88). In that analysis, as in the analyses presented here, tolerance levels of propargite were assumed to be present in all food commodities consumed. The previous analysis, however, used a NOEL of 2 mg/kg/day (J. Housenger memo, 10/13/88) as the toxicological endpoint instead of the 6 mg/kg/day, so the estimated Margins of Safety in the Tomerlin memorandum of 10/13/88 were not calculated with the same NOEL as the ones in this report. Dividing the revised NOEL of 6 mg/kg/day by the exposure levels estimated in the previous analysis yields an MOS for the average consumer of 283, not 94 as indicated previously. Of the adult women who consume any food potentially contaminated with propargite, eight, rather than 39, per cent are estimated to have an MOS less than 100.

The likelihood of the entire supply of any food commodity containing residues at tolerance levels is small. Even using this conservative assumption, the current analysis estimates the percentage of the consumers having Margins of Safety less than 100 ranged from 0 (stone fruit) to 6 per cent (succulent beans).

The NOEL to which acute exposure was compared changed from the previous analysis to this one. If review of additional data prompts further revisions of the NOEL, new TAS analyses are not necessarily required. Changes in the NOEL do not affect the exposure estimates. To estimate revised Margins of Safety, all that is required is to divide the revised NOEL by the exposure figures reported in this analysis or the previous one (Tomerlin memo, 10/24/88).

A final note of explanation is in order. The original analysis using all foods for which propargite is registered indicated that 8 per cent (using a NOEL of 6 mg/kg/day) of adult women had Margins of Safety less than 100 (Tomerlin memorandum, 10/24/88). In the analysis presented here, six per cent of the women consuming succulent beans have an MOS less than 100, making it appear that 75 per cent of the risk comes from consuming succulent beans. This is not the case. Each distribution in the current analysis, as well as the distribution reported in the previous analysis, applies only to consumers of the commodities. On any given day, 99.8 per cent of adult women are expected to consume at least one food potentially treated with propargite, whereas only 15 per cent of them are expected to consume succulent beans. Thus, approximately 8 per cent (8% x 99.8%) of all women are estimated to be at risk from all potential sources of propargite, but 1 per cent (6% x 15%) are estimated to be at risk from propargite residues in succulent beans.

Attachments

cc: Tomerlin (SACB), DEB, TAS File, Caswell File 130I

Table 1: Food Commodities Included in the Propargite Acute Exposure Analysis

Commodity	Tolerance	"H" Means a Food Additive Tolerance
Analysis 1: Dry Beans, Including Guar and Mung Beans		
BEANS-DRY-BLACKEYE PEAS(COWPEAS)	0.200000	
BEANS-DRY-BROADBEANS(MATURE SEED)	0.200000	
BEANS-DRY-GARBANZO(CHICK PEA)	0.200000	
BEANS-DRY-GREAT NORTHERN	0.200000	
BEANS-DRY-HYACINTH(MATURE SEEDS)	0.200000	
BEANS-DRY-KIDNEY	0.200000	
BEANS-DRY-LIMA	0.200000	
BEANS-DRY-NAVY (PEA)	0.200000	
BEANS-DRY-OTHER	0.200000	
BEANS-DRY-PIGEON BEANS	0.200000	
BEANS-DRY-PINTO	0.200000	
GUAR BEANS	0.200000	
MUNG BEANS (SPROUTS)	0.200000	
Analysis 2: Cranberries		
CRANBERRIES	10.000000	
CRANBERRIES-JUICE	10.000000	
Analysis 3: Stone Fruits		
APRICOTS-DRIED	7.000000	
APRICOTS-FRESH	7.000000	
NECTARINES	4.000000	
PEACHES-DRIED	7.000000	
PEACHES-FRESH	7.000000	
PLUMS(DAMSONS)-FRESH	7.000000	
PLUMS, PRUNE-JUICE	7.000000	
PLUMS-PRUNES(DRIED)	7.000000	
Analysis 4: Grapes		
GRAPES-FRESH	10.000000	
GRAPES-JUICE	10.000000	
GRAPES-RAISINS	25.000000	H
WINE AND SHERRY	10.000000	

Table 1: Food Commodities Included in the  
Propargite Acute Exposure Analysis

Commodity	Tolerance	"H" Means a Food Additive Tolerance
Analysis 5: Hops		
HOPS	30.000000	H
Analysis 6: Grapefruit		
GRAPEFRUIT-JUICE	5.000000	
GRAPEFRUIT-PULP	5.000000	
GRAPEFRUIT-UNSPECIFIED	5.000000	
Analysis 7: Oranges		
ORANGES-JUICE	5.000000	
ORANGES-PEEL	5.000000	
ORANGES-PULP	5.000000	
ORANGES-UNSPECIFIED	5.000000	
Analysis 8: Succulent Beans		
BEANS-SUCCULENT-BROADBEANS (IMMAT. SEED)	20.000000	
BEANS-SUCCULENT-GREEN	20.000000	
BEANS-SUCCULENT-HYACINTH (YOUNG PODS)	20.000000	
BEANS-SUCCULENT-LIMA	20.000000	
BEANS-SUCCULENT-OTHER	20.000000	
BEANS-SUCCULENT-YELLOW, WAX	20.000000	
BEANS-UNSPECIFIED	20.000000	

Table 2 Acute Exposure Summary for Propargite in Selected Food Commodities Consumed by Females

	<u>% User Days</u>	<u>MG/KG/DAY</u>	<u>Average MOS</u>
Dry Beans:	10.7	0.000178	33708
Cranberries:	4.7	0.006764	887
Stone Fruit:	23.0	0.007216	831
Grapes:	24.6	0.009162	655
Hops:	2.6	0.012241	490
Grapefruit:	6.4	0.015241	394
Oranges:	28.7	0.015547	386
Succulent Beans:	15.0	0.028959	207

Table 2b: Acute Exposure Distribution for Propargite in Selected Food Commodities Consumed by Females

	0	.004	.008	.012	.016	.02	.024	.028	.032	.036	.04	.06	.08	1	.2	.3	.4
Dry Beans:	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cranberries:	100	24	16	13	12	10	8	7	6	5	4	2	1	0	0	0	0
Stone Fruit:	100	40	32	23	17	11	7	5	4	3	2	0	0	0	0	0	0
Grapes:	100	29	23	21	18	16	13	11	9	8	7	3	1	1	0	0	0
Hops:	100	94	54	35	22	14	10	7	4	4	2	1	0	0	0	0	0
Grapefruit:	100	99	90	53	30	18	11	7	5	3	3	1	0	0	0	0	0
Oranges:	100	92	85	59	38	24	13	8	6	4	3	1	0	0	0	0	0
Succulent Beans:	100	98	92	83	75	65	50	39	32	28	22	6	3	1	0	0	0
MOS:	1500	750	500	375	300	250	214	188	167	150	100	75	60	30			

NOTE: The distributions shown above represent the exposure encountered by people who consume food containing residues at levels specified in the accompanying memorandum and tables.