



057801

4-7-97

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

APR -7 1997

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OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Dietary Exposure Analysis for Synar List Chemical
(Diazinon).

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

Through: Elizabeth Doyle, Section Head *WDB*
Dietary Risk Evaluation Section
SAB/Health Effects Division

TO: Bob McNally, Chief
SRB (7508W)

Action Requested

Provide a chronic dietary exposure analysis for Diazinon using anticipated residue (AR) information supplied by CBRS and a recalculated Reference Dose (RfD).

Background

Diazinon has been shown through several screening processes to be an RfD exceeder. For the purposes of this analysis, anticipated residue data were supplied and utilized in order to present a more accurate estimate of dietary risk from the uses of thiabendazole. In addition, the RfD for diazinon was recalculated from 0.00009 mg/kg/day to 0.0007 mg/kg/day.

Toxicological Endpoint:

The Reference Dose (RfD) used in the analysis is 0.0007 mg/kg/day.

Residue Information

Anticipated residues (ARs) were supplied by CBRs (See memo, D. Hrdy, 3/26/97) on the following commodities: milk at 0.001 ppm. The AR data were derived from the USDA Pesticide Data Program (PDP).

Results

A prior analysis was based on a RfD of 0.00009 mg/kg/day and using tolerances and percent crop treated data (See Memo, B. Steinwand) and resulted in estimated risks of 1037.5% RfD for children 1-6, and 1516% for non-nursing infants.

Incorporating the AR data and the new RfD into the dietary risk analysis resulted in risk levels below the Agency's level of concern regarding chronic dietary risk. Specifically, the RfD for children 1-6 is 62.7% and 45.7% for non-nursing infants (See Table 2).

Based on the risk estimates calculated in this analysis, it appears that chronic dietary risk from the published uses of diazinon is not of concern for any subgroups.

Attachments: DRES; Caswell # 342

TABLE 1

ANTICIPATED RESIDUE INFORMATION FOR CASSELL NUMBER 342

DATE: 03/28/97

PAGE: 1

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Diazinon Caswell #342 CAS No. 333-41-5 A.I. CODE: 057801 CFR No. 180.153 185.1750	90d feeding- rat NOEL= 0.0090 mg/kg 0.10 ppm LET= 0.0250 mg/kg 0.50 ppm ONCO: Negative- 2 species.	Inhibition of plasma ChE. No evidence of carcinog- enicity in rats or mice.	PADI UF -->100 OPP RfD= 0.000700 EPA RfD= 0.000700	Chronic feed/carcino- rat Reproduction- rat	HED reviewed 09/19/86 EPA deferred 11/25/86 WHO reviewed 1993

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
01002AA	BLACKBERRIES	10 RAW-FRESH OR NFS	362	P 0.500000	0.015000		12.00	0.001800
01002AA	BLACKBERRIES	21 COOKED-NFS	362	P 0.500000	0.015000		12.00	0.001800
01002AA	BLACKBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	362	P 0.500000	0.015000		12.00	0.001800
01003AA	BOYSENBERRIES	10 RAW-FRESH OR NFS	362	P 0.500000	0.015000		100.00	0.015000
01004AA	DEMBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	362	P 0.500000	0.006000		100.00	0.006000
01005AA	LOGANBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	362	P 0.750000	0.006000		100.00	0.006000
01006AA	RASPBERRIES	10 RAW-FRESH OR NFS	362	P 0.500000	0.006000		17.00	0.001020
01006AA	RASPBERRIES	15 RAW-FRESH OR CANNED	362	P 0.500000	0.006000		17.00	0.001020
01006AA	RASPBERRIES	31 COOKED-FRESH OR CANNED	362	P 0.500000	0.006000		17.00	0.001020
01006AA	RASPBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	362	P 0.500000	0.006000		17.00	0.001020
01006AA	RASPBERRIES	70 RAW-FROZEN	362	P 0.500000	0.006000		17.00	0.001020
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS	362	P 0.500000	0.010000		11.00	0.001100
01009AA	BLUEBERRIES	21 COOKED-NFS	362	P 0.500000	0.010000		11.00	0.001100
01009AA	BLUEBERRIES	22 COOKED-FRESH-BAKED	362	P 0.500000	0.010000		11.00	0.001100
01009AA	BLUEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	362	P 0.500000	0.010000		11.00	0.001100
01010AA	CRANBERRIES	10 RAW-FRESH OR NFS	198	P 0.500000	0.030000		31.00	0.009300
01010AA	CRANBERRIES	21 COOKED-NFS	198	P 0.500000	0.030000		31.00	0.009300
01010AA	CRANBERRIES	31 COOKED-FRESH OR CANNED	198	P 0.500000	0.030000		31.00	0.009300
01010JA	CRANBERRY-JUICE	15 RAW-FRESH OR CANNED	198	P 0.500000	0.030000		31.00	0.009300
01010JA	CRANBERRY-JUICE	31 COOKED-FRESH OR CANNED	198	P 0.500000	0.030000		31.00	0.009300
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS	198	P 0.750000	0.010000		5.00	0.000500
01014AA	GRAPES-FRESH	21 COOKED-NFS	198	P 0.750000	0.010000		5.00	0.000500
01014AA	GRAPES-FRESH	31 COOKED-FRESH OR CANNED	198	P 0.750000	0.010000		5.00	0.000500
01014DA	GRAPES-RAISINS	10 RAW-FRESH OR NFS	198	P 0.750000	0.003000C		5.00	0.000150
01014DA	GRAPES-RAISINS	21 COOKED-NFS	198	P 0.750000	0.003000C		5.00	0.000150
01014DA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED	198	P 0.750000	0.003000C		5.00	0.000150
01014JA	GRAPES-JUICE	10 RAW-FRESH OR NFS	198	P 0.750000	0.002000C		5.00	0.000100
01014JA	GRAPES-JUICE	15 RAW-FRESH OR CANNED	198	P 0.750000	0.002000C		5.00	0.000100
01014JA	GRAPES-JUICE	21 COOKED-NFS	198	P 0.750000	0.002000C		5.00	0.000100
01016AA	STRAWBERRIES	10 RAW-FRESH OR NFS	157	P 0.500000	0.023000		12.00	0.002760
01016AA	STRAWBERRIES	21 COOKED-NFS	157	P 0.500000	0.023000		12.00	0.002760
01016AA	STRAWBERRIES	70 RAW-FROZEN	157	P 0.500000	0.023000		12.00	0.002760
02001AA	CITRUS CITRON	22 COOKED-FRESH-BAKED	7F0576	P 0.700000	0.070000		1.00	0.007000
02002AA	GRAPEFRUIT-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	7F0576	P 0.700000	0.010000		2.00	0.000200
02002AB	GRAPEFRUIT-PULP	10 RAW-FRESH OR NFS	7F0576	P 0.700000	0.010000		2.00	0.000200
02002AB	GRAPEFRUIT-PULP	21 COOKED-NFS	7F0576	P 0.700000	0.010000		2.00	0.000200
02002JA	GRAPEFRUIT-JUICE	15 RAW-FRESH OR CANNED	7F0576	P 0.700000	0.010000		2.00	0.000200
02002JA	GRAPEFRUIT-JUICE	31 COOKED-FRESH OR CANNED	7F0576	P 0.700000	0.010000		2.00	0.000200
02003AA	KUMQUATS	10 RAW-FRESH OR NFS	7F0576	P 0.700000	0.070000		3.00	0.021000
02004AA	LEMONS-UNSPEC	10 RAW-FRESH OR NFS	7F0576	P 0.700000	0.030000		3.00	0.000900

ANTICIPATED RESIDUE INFORMATION FOR CASSELL NUMBER 342

DATE: 03/28/97

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Diazinon Caswell #342 CAS No. 333-41-5 A.I. CODE: 057801 CFR No. 180.153 185.1750	90d feeding- rat NOEL= 0.0090 mg/kg LEL= 0.0250 mg/kg 0.50 ppm ONCO: Negative- 2 species	Inhibition of plasma ChE. No evidence of carcinog- enicity in rats or mice.	PADI UF -->100 OPP RfD= 0.000700 EPA RfD= 0.000700	Chronic feed/carcino- rat Reproduction- rat	HED reviewed 09/19/86 EPA deferred 11/25/86 WHO reviewed 1993.

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
02004AA	LEMONS-UNSPEC	22 COOKED-FRESH-BAKED	7F0576	P 0.700000	0.030000		3.00	0.000900
02004AB	LEMONS-PULP	10 RAW-FRESH OR NFS	7F0576	P 0.700000	0.030000		3.00	0.000900
02004AB	LEMONS-PULP	31 COOKED-FRESH OR CANNED	7F0576	P 0.700000	0.030000		3.00	0.000900
02004HA	LEMONS-PEEL	10 RAW-FRESH OR NFS	7F0576	P 0.700000	0.030000		3.00	0.000900
02004HA	LEMONS-PEEL	21 COOKED-NFS	7F0576	P 0.700000	0.030000		3.00	0.000900
02004JA	LEMONS-JUICE	10 RAW-FRESH OR NFS	7F0576	P 0.700000	0.030000		3.00	0.000900
02004JA	LEMONS-JUICE	15 RAW-FRESH OR CANNED	7F0576	P 0.700000	0.030000		3.00	0.000900
02004JA	LEMONS-JUICE	21 COOKED-NFS	7F0576	P 0.700000	0.030000		3.00	0.000900
02005AA	LEMONS-JUICE	31 COOKED-FRESH OR CANNED	7F0576	P 0.700000	0.010000		3.00	0.000900
02005AA	LIMES-UNSPEC	00 NOT SPECIFIED (NO CONSUMPTION)	7F0576	P 0.700000	0.010000		3.00	0.000300
02005AB	LIMES-PULP	10 RAW-FRESH OR NFS	7F0576	P 0.700000	0.010000		3.00	0.000300
02005HA	LIMES-PEEL	21 COOKED-NFS	7F0576	P 0.700000	0.010000		3.00	0.000300
02005JA	LIMES-JUICE	10 RAW-FRESH OR NFS	7F0576	P 0.700000	0.010000		3.00	0.000300
02005JA	LIMES-JUICE	15 RAW-FRESH OR CANNED	7F0576	P 0.700000	0.010000		3.00	0.000300
02005JA	LIMES-JUICE	31 COOKED-FRESH OR CANNED	7F0576	P 0.700000	0.010000		3.00	0.000300
02006AA	ORANGES-UNSPEC	00 NOT SPECIFIED (NO CONSUMPTION)	7F0576	P 0.700000	0.010000		1.00	0.000100
02006AB	ORANGES-PULP	10 RAW-FRESH OR NFS	7F0576	P 0.700000	0.010000		1.00	0.000100
02006AB	ORANGES-PULP	21 COOKED-NFS	7F0576	P 0.700000	0.010000		1.00	0.000100
02006HA	ORANGES-PEEL	21 COOKED-FRESH-BAKED	7F0576	P 0.700000	0.010000		1.00	0.000100
02006HA	ORANGES-PEEL	22 COOKED-FRESH-BAKED	7F0576	P 0.700000	0.010000		1.00	0.000100
02006JA	ORANGES-JUICE	31 COOKED-FRESH OR CANNED	7F0576	P 0.700000	0.010000		1.00	0.000100
02006JA	ORANGES-JUICE	15 RAW-FRESH OR CANNED	7F0576	P 0.700000	0.010000		1.00	0.000100
02007AA	TANGELOS	31 COOKED-FRESH OR CANNED	7F0576	P 0.700000	0.010000		1.00	0.000100
02008AA	TANGERINES	10 RAW-FRESH OR NFS	7F0576	P 0.700000	0.010000		3.00	0.021000
02008AA	TANGERINE-JUICE	15 RAW-FRESH OR CANNED	7F0576	P 0.700000	0.010000		3.00	0.000300
03001AA	ALMONDS	10 RAW-FRESH OR NFS	8F0686	P 0.500000	0.007000		40.00	0.002800
03001AA	ALMONDS	21 COOKED-NFS	8F0686	P 0.500000	0.007000		40.00	0.002800
03001AA	ALMONDS	22 COOKED-FRESH-BAKED	8F0686	P 0.500000	0.007000		40.00	0.002800
03005AA	FILBERTS	10 RAW-FRESH OR NFS	8F0686	P 0.500000	0.500000		6.00	0.030000
03005AA	FILBERTS	21 COOKED-NFS	8F0686	P 0.500000	0.500000		6.00	0.030000
03005AA	FILBERTS	22 COOKED-FRESH-BAKED	8F0686	P 0.500000	0.500000		6.00	0.030000
03008AA	PECANS	10 RAW-FRESH OR NFS	8F0686	P 0.500000	0.500000		2.00	0.010000
03008AA	PECANS	21 COOKED-NFS	8F0686	P 0.500000	0.500000		2.00	0.010000
03008AA	PECANS	22 COOKED-FRESH-BAKED	8F0686	P 0.500000	0.500000		2.00	0.010000
03008AA	PECANS	23 COOKED-FRESH-BOILED	8F0686	P 0.500000	0.500000		2.00	0.010000
03008AA	PECANS	62 COOKED-FRESH OR FROZEN-BAKED	8F0686	P 0.500000	0.005000		10.00	0.000500
03009AA	WALNUTS	10 RAW-FRESH OR NFS	8F0686	P 0.500000	0.005000		10.00	0.000500
03009AA	WALNUTS	21 COOKED-NFS	8F0686	P 0.500000	0.005000		10.00	0.000500
03009AA	WALNUTS	22 COOKED-FRESH-BAKED	8F0686	P 0.500000	0.005000		10.00	0.000500

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 342

DATE: 03/28/97

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Diazinon Caswell #342 CAS No. 333-41-5 A.I. CODE: 057801 CFR No. 180.153 185.1750	90d feeding- rat NOEL= 0.090 mg/kg LOEL= 0.0250 mg/kg 0.50 ppm ONCO: Negative- 2 species	Inhibition of plasma ChE. No evidence of carcinog- enicity in rats or mice.	PADI UF -->100 OPP RfD= 0.000700 EPA RfD= 0.000700	Chronic feed/carcino- rat Reproduction- rat	MED reviewed 09/19/86 EPA deferred 11/25/86 WHO reviewed 1993

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAs RUN (ppm)
04001AA	APPLES-FRESH	10 RAW-FRESH OR NFS	56	P 0.500000	0.010000		5.00	0.000500
04001AA	APPLES-FRESH	21 COOKED-NFS	56	P 0.500000	0.010000		5.00	0.000500
04001AA	APPLES-FRESH	31 COOKED-FRESH OR CANNED	56	P 0.500000	0.010000		5.00	0.000500
04001AA	APPLES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	56	P 0.500000	0.010000		5.00	0.000500
04001DA	APPLES-DRIED	10 RAW-FRESH OR NFS	56	P 0.500000	0.010000		5.00	0.000500
04001DA	APPLES-DRIED	22 COOKED-FRESH-BAKED	56	P 0.500000	0.010000		5.00	0.000500
04001DA	APPLES-DRIED	62 COOKED-FRESH OR FROZEN-BAKED	56	P 0.500000	0.010000		5.00	0.000500
04001JA	APPLES-JUICE	15 RAW-FRESH OR CANNED	56	P 0.500000	0.010000C		5.00	0.000500
04001AA	APPLES-JUICE	31 COOKED-FRESH OR CANNED	56	P 0.500000	0.036000		15.00	0.005400
04003AA	PEARS-FRESH	10 RAW-FRESH OR NFS	56	P 0.500000	0.036000		15.00	0.005400
04003AA	PEARS-FRESH	31 COOKED-FRESH OR CANNED	56	P 0.500000	0.036000		15.00	0.005400
04003AA	PEARS-FRESH	51 COOKED-CANNED	56	P 0.500000	0.036000		15.00	0.005400
04003AA	PEARS-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	56	P 0.500000	0.036000		15.00	0.005400
04003DA	PEARS-DRIED	10 RAW-FRESH OR NFS	56	P 0.500000	0.036000		15.00	0.005400
04003DA	PEARS-DRIED	21 COOKED-NFS	56	P 0.500000	0.036000		15.00	0.005400
05001AA	APRICOTS-FRESH	10 RAW-FRESH OR NFS	157	P 0.500000	0.010000		62.00	0.006200
05001AA	APRICOTS-FRESH	21 COOKED-NFS	157	P 0.500000	0.010000		62.00	0.006200
05001AA	APRICOTS-FRESH	31 COOKED-FRESH OR CANNED	157	P 0.500000	0.010000		62.00	0.006200
05001DA	APRICOTS-DRIED	10 RAW-FRESH OR NFS	157	P 0.500000	0.010000		62.00	0.006200
05001DA	APRICOTS-DRIED	22 COOKED-FRESH-BAKED	157	P 0.500000	0.010000		62.00	0.006200
05002AA	CHERRIES-FRESH	10 RAW-FRESH OR NFS	56	P 0.750000	0.007000		19.00	0.001330
05002AA	CHERRIES-FRESH	21 COOKED-NFS	56	P 0.750000	0.007000		19.00	0.001330
05002AA	CHERRIES-FRESH	31 COOKED-FRESH OR CANNED	56	P 0.750000	0.007000		19.00	0.001330
05002AA	CHERRIES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	56	P 0.750000	0.007000		19.00	0.001330
05002DA	CHERRIES-DRIED	00 NOT SPECIFIED (NO CONSUMPTION)	56	P 0.750000	0.007000		19.00	0.001330
05002JA	CHERRIES-JUICE	15 RAW-FRESH OR CANNED	56	P 0.750000	0.007000		19.00	0.001330
05003AA	NECTARINES	21 COOKED-NFS	56	P 0.750000	0.007000		19.00	0.001330
05004AA	PEACHES-FRESH	10 RAW-FRESH OR NFS	157	P 0.700000	0.027000		12.00	0.003240
05004AA	PEACHES-FRESH	21 COOKED-NFS	157	P 0.700000	0.027000		12.00	0.003240
05004AA	PEACHES-FRESH	31 COOKED-FRESH OR CANNED	157	P 0.700000	0.027000		12.00	0.003240
05004AA	PEACHES-FRESH	51 COOKED-CANNED	157	P 0.700000	0.027000		12.00	0.003240
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS	157	P 0.700000	0.027000		12.00	0.003240
05005AA	PLUMS-FRESH	21 COOKED-NFS	157	P 0.700000	0.027000		12.00	0.003240
05005AA	PLUMS-FRESH	10 RAW-FRESH OR NFS	157	P 0.500000	0.010000		28.00	0.002800
05005DA	PLUMS-FRESH	31 COOKED-FRESH OR CANNED	157	P 0.500000	0.010000		28.00	0.002800
05005DA	PLUMS-PRUNES	10 RAW-FRESH OR NFS	157	P 0.500000	0.010000C		28.00	0.002800
05005DA	PLUMS-PRUNES	21 COOKED-NFS	157	P 0.500000	0.010000C		28.00	0.002800
05005DA	PLUMS-PRUNES	31 COOKED-FRESH OR CANNED	157	P 0.500000	0.010000C		28.00	0.002800
05005JA	PRUNE-JUICE	10 RAW-FRESH OR NFS	157	P 0.500000	0.010000		28.00	0.002800

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 342

DATE: 03/28/97

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
05005JA	PRUNE-JUICE	62 COOKED-FRESH OR FROZEN-BAKED	157	P 0.500000	0.010000		28.00	0.002800
06002AA	BANANAS-UNSPEC	22 COOKED-FRESH-BAKED	7F0576	P 0.100000	0.010000		100.00	0.010000
06002AB	BANANAS-FRESH	10 RAW-FRESH OR NFS	7F0576	P 0.100000	0.010000		100.00	0.010000
06002AB	BANANAS-FRESH	21 COOKED-NFS	7F0576	P 0.100000	0.010000		100.00	0.010000
06002AB	BANANAS-FRESH	31 COOKED-FRESH OR CANNED	7F0576	P 0.100000	0.010000		100.00	0.010000
06002DA	BANANAS-DRIED	10 RAW-FRESH OR NFS	7F0576	P 0.100000	0.010000C		100.00	0.010000
06002DA	BANANAS-DRIED	21 COOKED-NFS	7F0576	P 0.100000	0.010000C		100.00	0.010000
06005AA	FIGS	10 RAW-FRESH OR NFS	192	P 0.500000	0.500000		17.00	0.085000
06005AA	FIGS	21 COOKED-NFS	192	P 0.500000	0.500000		17.00	0.085000
06007AA	MANGOS	22 COOKED-FRESH-BAKED	192	P 0.500000	0.500000		17.00	0.085000
06007AA	MANGOS	10 RAW-FRESH OR NFS	NO TOL.	P 0.010000	0.010000		100.00	0.010000
06009AA	OLIVES	21 COOKED-NFS	NO TOL.	P 0.010000	0.010000		100.00	0.010000
06009AA	OLIVES	10 RAW-FRESH OR NFS	151	P 1.000000	0.010000		2.00	0.000200
06009AA	OLIVES	11 RAW-FRESH-PICKLED, CORNED, OR CURED	151	P 1.000000	0.010000		2.00	0.000200
06009AA	OLIVES	21 COOKED-NFS	151	P 1.000000	0.010000		2.00	0.000200
06013AA	PINEAPPLE-PULP	10 RAW-FRESH OR NFS	362	P 0.500000	0.010000		3.00	0.000350
06013AA	PINEAPPLE-PULP	21 COOKED-NFS	362	P 0.500000	0.010000		100.00	0.011000
06013AA	PINEAPPLE-PULP	31 COOKED-FRESH OR CANNED	362	P 0.500000	0.010000		100.00	0.011000
06013DA	PINEAPPLE-DRIED	10 RAW-FRESH OR NFS	362	P 0.500000	0.011000		100.00	0.011000
06013JA	PINEAPPLE-JUICE	10 RAW-FRESH OR NFS	362	P 0.500000	0.011000		100.00	0.011000
06013JA	PINEAPPLE-JUICE	15 RAW-FRESH OR CANNED	362	P 0.500000	0.011000		100.00	0.011000
06013JA	PINEAPPLE-JUICE	21 COOKED-NFS	362	P 0.500000	0.011000		100.00	0.011000
06013JA	PINEAPPLE-JUICE	31 COOKED-FRESH OR CANNED	362	P 0.500000	0.011000		100.00	0.011000
06016AA	PLANTAINS	21 COOKED-NFS	7F0576	P 0.100000	0.010000		100.00	0.010000
06016AA	PLANTAINS	23 COOKED-FRESH-BOILED	7F0576	P 0.100000	0.010000		100.00	0.010000
06016AA	PLANTAINS	25 COOKED-FRESH-FRIED	7F0576	P 0.100000	0.010000		100.00	0.010000
06018AA	KIWI	10 RAW-FRESH OR NFS	6E1815	P 0.750000	0.027000		100.00	0.027000
07002AA	COFFEE	21 COOKED-NFS	4F1516	P 0.200000	0.010000		100.00	0.010000
08020AA	HOPS	21 COOKED-NFS	192	P 0.750000	1.220000		63.00	0.768600
08048DA	PAPRIKA	00 NOT SPECIFIED (NO CONSUMPTION)	157	P 0.500000	0.500000		7.00	0.035000
10002AA	CANTALOUPE-UNSP	00 NOT SPECIFIED (NO CONSUMPTION)	362	P 0.750000	0.028000		12.00	0.003360
10002AB	CANTALOUPE-PULP	10 RAW-FRESH OR NFS	362	P 0.750000	0.028000		12.00	0.003360
10002AB	CANTALOUPE-PULP	21 COOKED-NFS	362	P 0.750000	0.028000		12.00	0.003360
10003AA	CASABAS	10 RAW-FRESH OR NFS	362	P 0.750000	0.750000		36.00	0.270000
10003AA	CASABAS	00 NOT SPECIFIED (NO CONSUMPTION)	362	P 0.750000	0.750000		36.00	0.270000
10005AA	HONEYDEW MELONS	10 RAW-FRESH OR NFS	362	P 0.750000	0.008000		36.00	0.002880
10007AA	PERSION MELONS	00 NOT SPECIFIED (NO CONSUMPTION)	362	P 0.750000	0.750000		36.00	0.270000
10008AA	WATERMELON	10 RAW-FRESH OR NFS	362	P 0.750000	0.010000		2.00	0.000200
10008AA	WATERMELON	21 COOKED-NFS	362	P 0.750000	0.010000		2.00	0.000200
10010AA	CUCUMBERS	10 RAW-FRESH OR NFS	198	P 0.750000	0.010000		4.00	0.000400

ANTICIPATED RESIDUE INFORMATION FOR CASSELL NUMBER 342

DATE: 03/28/97

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Diazinon Caswell #342 CAS No. 333-41-5 A.I. CODE: 057801 CFR No. 180.153 185.1750	90d feeding- rat NOEL= 0.090 mg/kg LEI= 0.0250 mg/kg 0.50 ppm ONCO: Negative- 2 species	Inhibition of plasma Che. No evidence of carcinog- enicity in rats/or mice.	PADI UF -->100 OPP RfD= 0.000700 EPA RfD= 0.000700	Chronic feed/carcino- rat Reproduction- rat	HED reviewed 09/19/86 EPA deferred 11/25/86 WHO reviewed 1993

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
10010AA	CUCUMBERS	11 RAW-FRESH-PICKLED, CORNED, OR CURED	198	P 0.750000	0.010000		4.00	0.000400
10010AA	CUCUMBERS	21 COOKED-NFS	198	P 0.750000	0.010000		4.00	0.000400
10013AA	SQUASH-SUMMER	10 RAW-FRESH OR NFS	198	P 0.500000	0.010000		4.00	0.000400
10013AA	SQUASH-SUMMER	21 COOKED-NFS	198	P 0.500000	0.010000		4.00	0.000400
10014AA	SQUASH-WINTER	10 RAW-FRESH OR NFS	198	P 0.750000	0.010000		4.00	0.000400
10014AA	SQUASH-WINTER	21 COOKED-NFS	198	P 0.750000	0.010000		4.00	0.000400
10014AA	SQUASH-WINTER	31 COOKED-FRESH OR CANNED	198	P 0.750000	0.010000		4.00	0.000400
11001AA	EGGPLANT	10 RAW-FRESH OR NFS	NO TOL	P 0.008000	0.008000		4.00	0.000320
11001AA	EGGPLANT	21 COOKED-NFS	NO TOL	P 0.008000	0.008000		4.00	0.000320
11001AA	EGGPLANT	25 COOKED-FRESH-FRIED	NO TOL	P 0.008000	0.008000		4.00	0.000320
11003AA	PEPPERS, SWEET	10 RAW-FRESH OR NFS	157	P 0.500000	0.024000		7.00	0.001680
11003AA	PEPPERS, SWEET	21 COOKED-NFS	157	P 0.500000	0.024000		7.00	0.001680
11003AB	CHILI PEPPERS	00 NOT SPECIFIED (NO CONSUMPTION)	157	P 0.500000	0.500000		1.00	0.005000
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS	157	P 0.500000	0.500000		1.00	0.005000
11003AD	PEPPERS-OTHER	21 COOKED-NFS	157	P 0.500000	0.500000		1.00	0.005000
11003AD	PEPPERS-OTHER	51 COOKED-CANNED	157	P 0.500000	0.500000		7.00	0.035000
11004AA	PIMIENTOS	10 RAW-FRESH OR NFS	157	P 0.500000	0.500000		7.00	0.035000
11004AA	PIMIENTOS	21 COOKED-NFS	157	P 0.500000	0.500000		7.00	0.035000
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	56	P 0.750000	0.010000		9.00	0.000900
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS	56	P 0.750000	0.010000		9.00	0.000900
11005AA	TOMATOES-WHOLE	21 COOKED-NFS	56	P 0.750000	0.000700C		9.00	0.00063
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	56	P 0.750000	0.000700C		9.00	0.00063
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS	56	P 0.750000	0.009000C		9.00	0.000810
11005JA	TOMATOES-JUICE	21 COOKED-NFS	56	P 0.750000	0.009000C		9.00	0.000810
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS	56	P 0.750000	0.009000C		9.00	0.000810
11005RA	TOMATOES-PUREE	21 COOKED-NFS	56	P 0.750000	0.009000C		9.00	0.000810
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED	56	P 0.750000	0.009000C		9.00	0.000810
11005RA	TOMATOES-PUREE	32 COOKED-FRESH OR CANNED-BAKED	56	P 0.750000	0.009000C		9.00	0.000810
11005RA	TOMATOES-PUREE	51 COOKED-CANNED	56	P 0.750000	0.009000C		9.00	0.000810
11005TA	TOMATOES-PASTE	21 COOKED-NFS	56	P 0.750000	0.007000C		9.00	0.000630
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED	56	P 0.750000	0.007000C		9.00	0.000630
11005TA	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED	56	P 0.750000	0.007000C		9.00	0.000630
11005UA	TOMATOES-CATSUP	21 COOKED-NFS	56	P 0.750000	0.003000C		9.00	0.000270
13001AA	BEEFS-TOPS	31 COOKED-FRESH OR CANNED	157	P 0.700000	0.010000		35.00	0.003500
13001AA	BEEFS-TOPS	63 COOKED-FRESH OR FROZEN-BOILED	157	P 0.700000	0.010000		35.00	0.003500
13002AA	CELERY	10 RAW-FRESH OR NFS	157	P 0.700000	0.021000		14.00	0.002940
13002AA	CELERY	21 COOKED-NFS	157	P 0.700000	0.021000		14.00	0.002940
13003AA	CHICORY	10 RAW-FRESH OR NFS	398	P 0.700000	0.010000		100.00	0.010000
13003AA	CHICORY	21 COOKED-NFS	4E2991	P 0.700000	0.010000		20.00	0.002000
13005AA	BROCCOLI	31 COOKED-FRESH OR CANNED	4E2991	P 0.700000	0.010000		20.00	0.002000

ANTICIPATED RESIDUE INFORMATION FOR CASSELL NUMBER 342

DATE: 03/28/97

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS
Diazinon Caswell #342 CAS No. 333-41-5 A.I. CODE: 057801 CFR No. 180.153 185.1750	90d feeding- rat NOEL= 0.0090 mg/kg 0.10 ppm LEL= 0.0250 mg/kg 0.50 ppm ONCO: Negative- 2 species	Inhibition of plasma CHE. No evidence of carcinog- enicity in rats or mice.	PADI UF -->100 OPP RfD= 0.000700 EPA RfD= 0.000700	Chronic feed/carcino- rat Chronic feeding- dog Reproduction- rat	HED reviewed 09/19/86 EPA deferred 11/25/86 WHO reviewed 1993	

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAs RUN (ppm)
13005AA	BROCCOLI	63 COOKED-FRESH OR FROZEN-BOILED	4E2991	P 0.700000	0.010000		20.00	0.002000
13006AA	BRUSSEL SPROUTS	21 COOKED-NFS	4E2991	P 0.700000	0.010000		100.00	0.010000
13006AA	BRUSSEL SPROUTS	23 COOKED-FRESH-BOILED	4E2991	P 0.700000	0.010000		100.00	0.010000
13007AA	CABBAGE	10 RAW-FRESH OR NFS	4E2991	P 0.700000	0.010000		16.00	0.001600
13007AA	CABBAGE	11 RAW-FRESH-PICKLED, CORNED, OR CURED	4E2991	P 0.700000	0.010000		16.00	0.001600
13007AA	CABBAGE	21 COOKED-NFS	4E2991	P 0.700000	0.010000		21.00	0.002100
13008AA	CAULIFLOWER	10 RAW-FRESH OR NFS	4E2991	P 0.700000	0.010000		21.00	0.002100
13008AA	CAULIFLOWER	21 COOKED-NFS	4E2991	P 0.700000	0.010000		19.00	0.001900
13009AA	COLLARDS	51 COOKED-CANNED	4E2991	P 0.700000	0.010000		19.00	0.001900
13009AA	COLLARDS	63 COOKED-FRESH OR FROZEN-BOILED	4E2991	P 0.700000	0.009000		9.00	0.000900
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	4E2991	P 0.700000	0.010000		9.00	0.000900
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	4E2991	P 0.700000	0.010000		43.00	0.004300
13011AA	KALE	63 COOKED-FRESH OR FROZEN-BOILED	4E2991	P 0.700000	0.004000		9.00	0.000900
13012AA	KOHLRABI	21 COOKED-NFS	4E2991	P 0.700000	0.006000		9.00	0.000600
13013AA	LETTUCE-LEAFY	10 RAW-FRESH OR NFS	8F0606	P 0.700000	0.021000		9.00	0.001890
13014AA	DANDELION	63 COOKED-FRESH OR FROZEN-BOILED	198	P 0.700000	0.006000		9.00	0.000540
13015AA	ENDIVE	10 RAW-FRESH OR NFS	198	P 0.700000	0.006000		9.00	0.000540
13015AA	ENDIVE	21 COOKED-NFS	198	P 0.700000	0.021000		9.00	0.001890
13016AA	FENNEL	00 NOT SPECIFIED (NO CONSUMPTION)	157	P 0.700000	0.004000		43.00	0.001720
13020AA	LETTUCE-UMSPEC	10 RAW-FRESH OR NFS	4E2991	P 0.700000	0.010000		9.00	0.000900
13021AA	MUSTARD GREENS	21 COOKED-NFS	4E2991	P 0.700000	0.010000		4.00	0.003000
13022AA	PARSLEY	63 COOKED-FRESH OR FROZEN-BOILED	198	P 0.750000	0.075000		4.00	0.030000
13022AA	PARSLEY	10 RAW-FRESH OR NFS	198	P 0.750000	0.075000		4.00	0.030000
13022AA	PARSLEY	21 COOKED-NFS	198	P 0.750000	0.075000		4.00	0.030000
13024AA	SPINACH	53 COOKED-CANNED-BOILED	157	P 0.700000	0.009000		16.00	0.001440
13024AA	SPINACH	10 RAW-FRESH OR NFS	157	P 0.700000	0.009000		16.00	0.001440
13024AA	SPINACH	21 COOKED-NFS	157	P 0.700000	0.009000		16.00	0.001440
13025AA	SWISS CHARD	31 COOKED-FRESH OR CANNED	198	P 0.700000	0.070000		10.00	0.070000
13025AA	SWISS CHARD	10 RAW-FRESH OR NFS	198	P 0.700000	0.070000		10.00	0.070000
13025AA	SWISS CHARD	31 COOKED-FRESH OR CANNED	198	P 0.700000	0.070000		10.00	0.070000
13026AA	TURNIIPS-TOPS	63 COOKED-FRESH OR FROZEN-BOILED	198	P 0.750000	0.010000		100.00	0.010000
13026AA	TURNIIPS-TOPS	10 RAW-FRESH OR NFS	198	P 0.750000	0.010000		100.00	0.010000
13026AA	TURNIIPS-TOPS	21 COOKED-NFS	198	P 0.750000	0.010000		10.00	0.010000
13027AA	WATERCRESS	31 COOKED-FRESH OR CANNED	7F0576	P 0.700000	0.070000		10.00	0.070000
13027AA	WATERCRESS	10 RAW-FRESH OR NFS	7F0576	P 0.700000	0.070000		10.00	0.070000
13045AA	LETTUCE-HEAD	21 COOKED-NFS	157	P 0.700000	0.002000		43.00	0.000860
13045AA	LETTUCE-HEAD	10 RAW-FRESH OR NFS	157	P 0.700000	0.002000		43.00	0.000860
14001AA	BEETS-ROOTS	21 COOKED-NFS	157	P 0.750000	0.009000		100.00	0.009000
14001AA	BEETS-ROOTS	10 RAW-FRESH OR NFS	157	P 0.750000	0.009000		100.00	0.009000
14001AA	BEETS-ROOTS	21 COOKED-NFS	157	P 0.750000	0.009000		100.00	0.009000

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FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
14001AA	BETS-ROOTS	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	157	P 0.750000	0.009000		100.00	0.009000
14001AA	BETS-ROOTS	31 COOKED-FRESH OR CANNED	157	P 0.750000	0.009000		100.00	0.009000
14003AA	CARROTS	10 RAW-FRESH OR NFS	198	P 0.750000	0.017000		16.00	0.002720
14003AA	CARROTS	21 COOKED-NFS	198	P 0.750000	0.017000		16.00	0.002720
14003AA	CARROTS	23 COOKED-FRESH-BOILED	198	P 0.750000	0.017000		16.00	0.002720
14003AA	CARROTS	31 COOKED-FRESH OR CANNED	198	P 0.750000	0.017000		16.00	0.002720
14003AA	CARROTS	51 COOKED-CANNED	198	P 0.750000	0.017000		16.00	0.002720
14007AA	GARLIC	10 RAW-FRESH OR NFS	192	P 0.750000	0.010000		100.00	0.010000
14007AA	GARLIC	21 COOKED-NFS	192	P 0.750000	0.010000		100.00	0.010000
14007AA	GARLIC	32 COOKED-FRESH OR CANNED-BAKED	192	P 0.750000	0.010000		100.00	0.010000
14010AA	LEEKS	31 COOKED-FRESH OR CANNED	192	P 0.750000	0.010000		30.00	0.025000
14011AA	ONIONS-DRY-BULB	10 RAW-FRESH OR NFS	192	P 0.750000	0.010000		14.00	0.001400
14011AA	ONIONS-DRY-BULB	21 COOKED-NFS	192	P 0.750000	0.010000		14.00	0.001400
14011AA	ONIONS-DRY-BULB	22 COOKED-FRESH-BAKED	192	P 0.750000	0.010000		14.00	0.001400
14011AA	ONIONS-DRY-BULB	31 COOKED-FRESH OR CANNED	192	P 0.750000	0.010000		14.00	0.001400
14011DA	ONIONS-DRIED	12 RAW-FRESH-DRIED	192	P 0.750000	0.010000		14.00	0.001400
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	7F0535	P 0.100000	0.010000		1.00	0.000100
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	7F0535	P 0.100000	0.010000		1.00	0.000100
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	7F0535	P 0.100000	0.010000		1.00	0.000100
14013AB	POTATO(WH)-UNSP	22 COOKED-FRESH-BAKED	7F0535	P 0.100000	0.010000		1.00	0.000100
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	7F0535	P 0.100000	0.010000		1.00	0.000100
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	7F0535	P 0.100000	0.010000		1.00	0.000100
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOILED	7F0535	P 0.100000	0.010000		1.00	0.000100
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	7F0535	P 0.100000	0.010000		1.00	0.000100
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	7F0535	P 0.100000	0.010000C		1.00	0.000100
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	7F0535	P 0.100000	0.010000C		1.00	0.000100
14013HA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	7F0535	P 0.100000	0.060000		1.00	0.000600
14014AA	RADISHES-ROOTS	10 RAW-FRESH OR NFS	198	P 0.500000	0.010000		4.00	0.000400
14014AB	RADISHES-TOPS	00 NOT SPECIFIED (NO CONSUMPTION)	198	P 0.500000	0.050000		4.00	0.020000
14015AA	RUTABAGAS-ROOTS	10 RAW-FRESH OR NFS	BE2074	P 0.750000	0.750000		10.00	0.075000
14015AB	RUTABAGAS-TOPS	21 COOKED-NFS	BE2074	P 0.750000	0.750000		10.00	0.075000
14017AA	SHALLOTS	00 NOT SPECIFIED (NO CONSUMPTION)	192	P 0.750000	0.010000		5.00	0.000500
14018AA	SWEETPOTATOES	21 COOKED-NFS	7F0535	P 0.100000	0.010000		9.00	0.000900
14018AA	SWEETPOTATOES	31 COOKED-FRESH OR CANNED	7F0535	P 0.100000	0.010000		9.00	0.000900
14019AA	TURNIPS-ROOTS	10 RAW-FRESH OR NFS	198	P 0.500000	0.500000		10.00	0.050000
14021AA	PARSNIPS	21 COOKED-NFS	198	P 0.500000	0.500000		10.00	0.050000
15001AC	BEANS-DRY-LIMA	21 COOKED-NFS	198	P 0.500000	0.500000		1.00	0.005000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 342

DATE: 03/26/97

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Diazinon Caswell #342 CAS No. 333-41-5 A.I. CODE: 057801 CFR No. 180.153 185.1750	90d feeding- rat NOEL= 0.0090 mg/kg 0.10 ppm LEL= 0.0250 mg/kg 0.50 ppm ONCO: Negative- 2 species	Inhibition of plasma ChE. No evidence of carcinog- enicity in rats or mice.	PADI UF -->100 OPP RfD= 0.000700 EPA RfD= 0.000700	Chronic feed/carcino- rat Chronic feeding- dog Reproduction- rat	HED reviewed 09/19/86 EPA deferred 11/25/86 WHO reviewed 1993

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
15001AE	BEANS-DRY-OTHER	21 COOKED-NFS	8F0686	P 0.100000	0.100000		1.00	0.001000
15001AE	BEANS-DRY-OTHER	25 COOKED-FRESH-FRIED	8F0686	P 0.100000	0.100000		1.00	0.001000
15001AE	BEANS-DRY-OTHER	31 COOKED-FRESH OR CANNED	8F0686	P 0.100000	0.100000		1.00	0.001000
15002AA	BEANS-SUCC-LIMA	10 RAW-FRESH OR NFS	198	P 0.500000	0.500000		4.00	0.020000
15002AA	BEANS-SUCC-LIMA	21 COOKED-NFS	198	P 0.500000	0.500000		4.00	0.020000
15003AA	BEANS-SUCC-GREEN	21 COOKED-NFS	172	P 0.500000	0.010000		4.00	0.000400
15004AA	CORN,POP	21 COOKED-NFS	6E1815	P 0.700000	0.700000		1.00	0.007000
15005AA	CORN,SWEET	10 RAW-FRESH OR NFS	6E1815	P 0.700000	0.700000		3.00	0.021000
15005AA	CORN,SWEET	21 COOKED-NFS	6E1815	P 0.700000	0.700000		3.00	0.021000
15005AA	CORN,SWEET	31 COOKED-FRESH OR CANNED	6E1815	P 0.700000	0.700000		3.00	0.021000
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	7F0535	P 0.750000	0.750000		10.00	0.075000
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	7F0535	P 0.750000	0.750000		10.00	0.075000
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED	7F0535	P 0.750000	0.750000		10.00	0.075000
15007AA	PEAS DRY-GARDEN	21 COOKED-NFS	232	P 0.500000	0.500000		2.00	0.010000
15007AA	PEAS DRY-GARDEN	31 COOKED-FRESH OR CANNED	232	P 0.500000	0.500000		2.00	0.010000
15009AA	PEAS SUCC-GARDEN	21 COOKED-NFS	232	P 0.500000	0.010000		4.00	0.000400
15009AA	PEAS SUCC-GARDEN	31 COOKED-FRESH OR CANNED	232	P 0.500000	0.010000		4.00	0.000400
15015AA	OKRA	21 COOKED-NFS	NO TOL	P 0.010000	0.010000		100.00	0.010000
15015AA	OKRA	25 COOKED-FRESH-FRIED	NO TOL	P 0.010000	0.010000		100.00	0.010000
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS	232	P 0.500000	0.500000		1.00	0.005000
15029AA	SOTBEAN-SPROUTED	00 NOT SPECIFIED (NO CONSUMPTION)	8F0686	P 0.100000	0.100000		1.00	0.001000
16003AA	MUSHROOMS	10 RAW-FRESH OR NFS	8E2071	P 0.750000	0.014000		100.00	0.014000
16003AA	MUSHROOMS	21 COOKED-NFS	8E2071	P 0.750000	0.014000		100.00	0.014000
16003AA	MUSHROOMS	31 COOKED-FRESH OR CANNED	8E2071	P 0.750000	0.014000		100.00	0.014000
16003AA	MUSHROOMS	53 COOKED-CANNED-BOILED	8E2071	P 0.750000	0.014000		100.00	0.014000
16004AA	ONIONS-GREEN	10 RAW-FRESH OR NFS	192	P 0.750000	0.010000		100.00	0.010000
16004AA	ONIONS-GREEN	21 COOKED-NFS	192	P 0.750000	0.010000		100.00	0.010000
16004AA	ONIONS-GREEN	25 COOKED-FRESH-FRIED	192	P 0.750000	0.010000		100.00	0.010000
24002EA	CORN, GRAIN-ENDO	10 RAW-FRESH OR NFS	6E1815	P 0.700000	0.010000		1.00	0.000100
24002EA	CORN, GRAIN-ENDO	21 COOKED-NFS	6E1815	P 0.700000	0.010000		1.00	0.000100
24002EA	CORN, GRAIN-ENDO	22 COOKED-FRESH-BAKED	6E1815	P 0.700000	0.010000		1.00	0.000100
24002EA	CORN, GRAIN-ENDO	23 COOKED-FRESH-BOILED	6E1815	P 0.700000	0.010000		1.00	0.000100
24002EA	CORN, GRAIN-ENDO	00 NOT SPECIFIED (NO CONSUMPTION)	6E1815	P 0.700000	0.700000		1.00	0.007000
24002SA	CORN SUGAR	10 RAW-FRESH OR NFS	6E1815	P 0.700000	0.700000		1.00	0.007000
24002SA	CORN SUGAR	21 COOKED-NFS	6E1815	P 0.700000	0.700000		1.00	0.007000
24002SA	CORN SUGAR	22 COOKED-FRESH-BAKED	6E1815	P 0.700000	0.700000		1.00	0.007000
24006AA	SORGHUM	00 NOT SPECIFIED (NO CONSUMPTION)	6F0482	P 0.750000	0.750000		1.00	0.007500
24007AA	WHEAT-ROUGH	10 RAW-FRESH OR NFS	6E2388	P 0.050000	0.050000		1.00	0.000500
24007AA	WHEAT-ROUGH	21 COOKED-NFS	6E2388	P 0.050000	0.050000		1.00	0.000500
24007AA	WHEAT-ROUGH	22 COOKED-FRESH-BAKED	6E2388	P 0.050000	0.050000		1.00	0.000500

ANTICIPATED RESIDUE INFORMATION FOR CASSELL NUMBER 342

DATE: 03/28/97

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES		DATA GAPS/COMMENTS	STATUS
			PAI	UF -->100		
Diazinon Caswell #342 CAS No. 333-41-5 A.I. CODE: 057801 CFR No. 180.153 185.1750	90d feeding- rat NOEL= 0.0090 mg/kg 0.10 ppm LEL= 0.0250 mg/kg 0.50 ppm ONCO: Negative- 2 species	Inhibition of plasma ChE. No evidence of carcinog- enicity in rats or mice.	PAI UF -->100 OPP RfD= 0.000700 EPA RfD= 0.000700	Chronic feed/carcino- rat Chronic feeding- dog Reproduction- rat	HED reviewed 09/19/86 EPA deferred 11/25/86 WHO reviewed 1993	

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
24007AA	WHEAT-ROUGH	23 COOKED-FRESH-BOILED	0E2388	P 0.050000	0.050000		1.00	0.000500
24007GA	WHEAT-GERM	10 RAW-FRESH OR NFS	0E2388	P 0.050000	0.050000		1.00	0.000500
24007GA	WHEAT-GERM	22 COOKED-FRESH-BAKED	0E2388	P 0.050000	0.050000		1.00	0.000500
24007HA	WHEAT-BRAN	10 RAW-FRESH OR NFS	0E2388	P 0.050000	0.050000		1.00	0.000500
24007HA	WHEAT-BRAN	21 COOKED-FRESH-BAKED	0E2388	P 0.050000	0.050000		1.00	0.000500
24007HA	WHEAT-BRAN	22 COOKED-FRESH-BAKED	0E2388	P 0.050000	0.050000		1.00	0.000500
24007HA	WHEAT-FLOUR	10 RAW-FRESH OR NFS	0E2388	P 0.050000	0.007000		1.00	0.000070
24007HA	WHEAT-FLOUR	21 COOKED-FRESH-BAKED	0E2388	P 0.050000	0.007000		1.00	0.000070
24007HA	WHEAT-FLOUR	22 COOKED-FRESH-BAKED	0E2388	P 0.050000	0.007000		1.00	0.000070
25002SA	BEET SUGAR	10 RAW-FRESH OR NFS	362	P 0.500000	0.013000		5.00	0.000650
25002SA	BEET SUGAR	21 COOKED-FRESH-BAKED	362	P 0.500000	0.013000		5.00	0.000650
25002SA	BEET SUGAR	22 COOKED-FRESH-BAKED	362	P 0.500000	0.013000		5.00	0.000650
25003SA	CANE SUGAR	10 RAW-FRESH OR NFS	7F0535	P 0.750000	0.750000		10.00	0.075000
25003SA	CANE SUGAR	21 COOKED-FRESH-BAKED	7F0535	P 0.750000	0.750000		10.00	0.075000
25003SA	CANE SUGAR	22 COOKED-FRESH-BAKED	7F0535	P 0.750000	0.750000		10.00	0.075000
25003SB	SUGAR-MOLASSES	10 RAW-FRESH OR NFS	7F0535	P 0.750000	0.750000		10.00	0.075000
25003SB	SUGAR-MOLASSES	21 COOKED-FRESH-BAKED	7F0535	P 0.750000	0.750000		10.00	0.075000
25003SB	SUGAR-MOLASSES	22 COOKED-FRESH-BAKED	7F0535	P 0.750000	0.750000		10.00	0.075000
25003SB	SUGAR-MOLASSES	31 COOKED-FRESH OR CANNED	7F0535	P 0.750000	0.750000		10.00	0.075000
25003SB	SUGAR-MOLASSES	00 NOT SPECIFIED (NO CONSUMPTION)	3F1415	P 0.100000	0.100000		10.00	0.010000
26011AA	GUAR BEANS	18 PROCESSED OIL	6E1815	P 0.700000	0.700000		1.00	0.007000
270020A	CORN, GRAIN-OIL	18 PROCESSED OIL	8F0686	P 0.200000	0.600000		10.00	0.060000
270030A	COTTONSEED-OIL	18 PROCESSED OIL	8F0686	P 0.200000	0.200000		10.00	0.020000
270030A	COTTONSEED-OIL	18 PROCESSED OIL	7F0535	P 0.750000	0.750000		10.00	0.075000
270070A	PEANUTS-OIL	18 PROCESSED OIL	8F0686	P 0.100000	0.010000		100.00	0.010000
270100A	SOYBEANS-OIL	18 PROCESSED OIL	151	P 1.000000	0.010000		100.00	0.010000
270160A	OLIVE OIL	21 COOKED-FRESH OR NFS	8F0686	P 0.100000	0.010000		100.00	0.010000
280234A	SOYBEANS-UNSPEC	10 RAW-FRESH OR NFS	8F0686	P 0.100000	0.010000		100.00	0.010000
280234B	SOYBEANS-DRY	21 COOKED-FRESH-BAKED	8F0686	P 0.100000	0.010000		100.00	0.010000
280234B	SOYBEANS-DRY	23 COOKED-FRESH-BOILED	8F0686	P 0.100000	0.010000		100.00	0.010000
280234B	SOYBEANS-DRY	25 COOKED-FRESH-FRIED	8F0686	P 0.100000	0.010000		100.00	0.010000
280234B	SOYBEANS-DRY	31 COOKED-FRESH OR CANNED	8F0686	P 0.100000	0.010000		100.00	0.010000
280234A	SOY-FL, FULL FAT	22 COOKED-FRESH-BAKED	8F0686	P 0.100000	0.010000		100.00	0.010000
280234A	SOY-FL, FULL FAT	31 COOKED-FRESH OR CANNED	8F0686	P 0.100000	0.010000		100.00	0.010000
280234B	SOY-FL, LOW FAT	21 COOKED-FRESH OR NFS	8F0686	P 0.100000	0.010000		100.00	0.010000
280234C	SOY-FL, DEFAT	10 RAW-FRESH OR NFS	8F0686	P 0.100000	0.010000		100.00	0.010000

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FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
28023WC	SOY-FL,DEFAT	21 COOKED-NFS	8F0686	P 0.100000	0.010000		100.00	0.010000
28023WC	SOY-FL,DEFAT	22 COOKED-FRESH-BAKED	8F0686	P 0.100000	0.010000		100.00	0.010000
28023WC	SOY-FL,DEFAT	51 COOKED-CANNED	8F0686	P 0.100000	0.010000		100.00	0.010000
43058AA	WINE AND SHERRY	53 COOKED-CANNED-BOILED	8F0686	P 0.100000	0.010000		100.00	0.010000
43058AA	WINE AND SHERRY	10 RAW-FRESH OR NFS	198	P 0.750000	0.010000		5.00	0.000500
50000DB	MILK-NON-FAT SOL	21 COOKED-NFS	198	P 0.750000	0.010000		5.00	0.000500
50000DB	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	NO TOL	P 0.017000	0.001000		100.00	0.001000
50000DB	MILK-NON-FAT SOL	21 COOKED-NFS	NO TOL	P 0.017000	0.001000		100.00	0.001000
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	NO TOL	P 0.017000	0.001000		100.00	0.001000
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS	NO TOL	P 0.017000	0.001000		100.00	0.001000
50000SA	MILK SUG (LACT)	51 COOKED-CANNED	NO TOL	P 0.017000	0.001000		100.00	0.001000
50000SA	MILK SUG (LACT)	21 COOKED-CANNED	NO TOL	P 0.017000	0.001000		100.00	0.001000
53001BA	BEEF-MEAT BYP	21 COOKED-NFS	406	P 0.700000	0.700000		10.00	0.070000
53001BA	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED,CORNERD,OR CURED	406	P 0.700000	0.700000		10.00	0.070000
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS	406	P 0.700000	0.700000		10.00	0.070000
53001BB	BEEF-OTH ORGAN	51 COOKED-CANNED	406	P 0.700000	0.700000		10.00	0.070000
53001DA	BEEF-DRIED	21 COOKED-NFS	406	P 0.700000	0.700000		10.00	0.070000
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	406	P 0.700000	0.700000		10.00	0.070000
53001FA	BEEF-FAT	21 COOKED-NFS	406	P 0.700000	0.700000		10.00	0.070000
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	406	P 0.700000	0.700000		10.00	0.070000
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	406	P 0.700000	0.700000		10.00	0.070000
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	406	P 0.700000	0.700000		10.00	0.070000
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	406	P 0.700000	0.700000		10.00	0.070000
53001KA	BEEF-KIDNEY	21 COOKED-NFS	406	P 0.700000	0.700000		10.00	0.070000
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	406	P 0.700000	0.700000		10.00	0.070000
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	406	P 0.700000	0.700000		10.00	0.070000
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS	406	P 0.700000	0.700000		10.00	0.070000
53001MA	BEEF-LEAN	21 COOKED-NFS	406	P 0.700000	0.700000		10.00	0.070000
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	406	P 0.700000	0.700000		10.00	0.070000
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	406	P 0.700000	0.700000		10.00	0.070000
53001MA	BEEF-LEAN	24 COOKED-FRESH-BROILED	406	P 0.700000	0.700000		10.00	0.070000
53005BA	SHEEP-LEAN	21 COOKED-NFS	346	P 0.700000	0.700000		10.00	0.070000
53005BA	SHEEP-MEAT BYP	21 COOKED-NFS	346	P 0.700000	0.700000		10.00	0.070000
53005FA	SHEEP-OTH ORGAN	21 COOKED-NFS	346	P 0.700000	0.700000		10.00	0.070000
53005LA	SHEEP-KIDNEY	21 COOKED-NFS	346	P 0.700000	0.700000		10.00	0.070000
53005LA	SHEEP-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	346	P 0.700000	0.700000		10.00	0.070000
53005MA	SHEEP-LEAN	21 COOKED-NFS	346	P 0.700000	0.700000		10.00	0.070000
53005MA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED	346	P 0.700000	0.700000		10.00	0.070000

TABLE 2

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 03/28/97

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Diazinon Caswell #342 CAS No. 333-41-5 A.I. CODE: 057801 CFR No. 180.153 185.1750	90d feeding- rat NOEL= 0.0090 mg/kg 0.10 ppm LEL= 0.0250 mg/kg 0.50 ppm ONCO: Negative- 2 species	Inhibition of plasma ChE. No evidence of carcinog- enicity in rats or mice.	PADI UF -->100 OPP RfD= 0.000700 EPA RfD= 0.000700	Chronic feed/carcino- rat Reproduction- rat	HED reviewed 09/19/86 EPA deferred 11/25/86 WHO reviewed 1993

POPULATION SUBGROUP	TOTAL TMRC (MG/KG BODY WEIGHT/DAY)		NEW TMRC	DIFFERENCE	EFFECT OF ANTICIPATED RESIDUES	
	CURRENT TMRC*	NEW TMRC**	AS PERCENT OF RFD	AS PERCENT OF RFD	ARC	%RFD
U.S. POPULATION - 48 STATES	0.006852	0.006852	978.829857	0.000000	0.000211	30.16371
U.S. POPULATION - SPRING SEASON	0.006745	0.006745	963.573857	0.000000	0.000210	30.00871
U.S. POPULATION - SUMMER SEASON	0.007117	0.007117	1016.686143	0.000000	0.000219	31.27729
U.S. POPULATION - FALL SEASON	0.006746	0.006746	963.746857	0.000000	0.000211	30.17371
U.S. POPULATION - WINTER SEASON	0.006715	0.006715	959.270857	0.000000	0.000203	29.01786
NORTHEAST REGION	0.007407	0.007407	1058.139571	0.000000	0.000210	29.95014
NORTH CENTRAL REGION	0.006786	0.006786	969.371000	0.000000	0.000217	31.01371
SOUTHERN REGION	0.006160	0.006160	880.063429	0.000000	0.000203	28.93929
WESTERN REGION	0.007281	0.007281	1040.158286	0.000000	0.000218	31.08543
HISPANICS	0.007790	0.007790	1112.791714	0.000000	0.000230	32.83457
NON-HISPANIC WHITES	0.006805	0.006805	972.203286	0.000000	0.000213	30.35786
NON-HISPANIC BLACKS	0.006421	0.006421	917.277571	0.000000	0.000192	27.36143
NON-HISPANIC OTHERS	0.007873	0.007873	1124.693000	0.000000	0.000207	29.62857
NURSING INFANTS (< 1 YEAR OLD)	0.008704	0.008704	1243.373143	0.000000	0.000126	17.99829
NON-NURSING INFANTS (< 1 YEAR OLD)	0.016279	0.016279	2325.579000	0.000000	0.000320	45.71900
FEMALES (13+ YEARS, PREGNANT)	0.005200	0.005200	742.799429	0.000000	0.000145	20.69129
FEMALES 13+ YEARS, NURSING	0.005868	0.005868	838.303571	0.000000	0.000166	23.69114
CHILDREN (1-6 YEARS OLD)	0.015175	0.015175	2167.812286	0.000000	0.000439	62.67229
CHILDREN (7-12 YEARS OLD)	0.009920	0.009920	1417.205000	0.000000	0.000320	45.67900
MALES (13-19 YEARS OLD)	0.006289	0.006289	898.485857	0.000000	0.000230	32.85057
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.005657	0.005657	808.210857	0.000000	0.000188	26.90657
MALES (20 YEARS AND OLDER)	0.005006	0.005006	715.212429	0.000000	0.000177	25.27929
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.005191	0.005191	741.513714	0.000000	0.000146	20.79686

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