

US EPA ARCHIVE DOCUMENT



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

VMSD/ISB
1745

11 AUG 1987

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

Subject: Dichlorvos (DDVP)- Tolerance Assessment/Quantitative
Risk Assessment. Addendum to the Registration Standard.

To: Amy Rispin
Science Integration Staff
Hazard Evaluation Division

From: C. Frick
Tolerance Assessment Program
Residue Chemistry Branch, HED

e. Frick 8/10/87

DJA
8/10/87

Thru: Charles L. Trichilo, Ph.D.
Chief, Residue Chemistry Branch
Hazard Evaluation Division

Tolerance Assessment System (TAS) Program has been requested by the Science Integration Staff (SIS) to perform a tolerance assessment and quantitative risk assessment factoring in values for percent of crop treated and anticipated residues.

TOLERANCE ASSESSMENT

CHEMICAL: DICLORVOS (DDVP)

1. The Provisional Acceptable Daily Intake (PADI) for this chemical is 0.0008 mg/kg/day, and has been approved by the Toxicology Branch Reference Dose Committee.

In addition, this chemical has been identified as an oncogen in the rat and mouse. The (Q^*) of DDVP is 2.9×10^{-1} (mg/kg/day)⁻¹ (memo. Carol Monroe, SIS).

2. The food uses evaluated by the Tolerance Assessment System (TAS) were published tolerances established under CFR 180.235. Some of the published tolerance values were expressed in terms of the pesticide Naled; in this analysis these values were calculated in terms of DDVP.

3. The Science Integration Staff (SIS) requested information from the Economic Analysis Branch (BUD) on the percent of crops treated with DDVP. The TAS analysis has factored in these data along with data submitted by RCB reflecting anticipated residues of DDVP. The results are found in the analytical summary sheet (page 1a) under the heading "Effects of Anticipated Residues". A comparison of the analytical results using published tolerance residue values, and factoring in the values of anticipated residues and percent of crops treated has been made.

4. Evaluation of DDVP uses relative to the PADI (Published Tolerance Values): The TMRC for the U.S. population average is 0.004302 mg/kg/day, equivalent to 538% of the PADI. The most highly exposed subgroups are non-nursing infants (0.011804 mg/kg/day, equivalent to 1475% of the PADI). and children 1-6 years of age (0.009048 mg/kg/day, equivalent to 1131% of the PADI).

Evaluation of DDVP uses relative to the PADI (factoring in anticipated residue levels and percent of crops treated): The Anticipated Residue Concentration (ARC) for the U.S. population average is 0.000416 mg/kg/day, which is equivalent to 52% of the PADI. The most highly exposed subgroups are non-nursing infants (0.001522 mg/kg/day, which is equivalent to 190% of the PADI) and children 1-6 years of age (0.000976 mg/kg/day, equivalent to 122% of the PADI.

4. Calculation of oncogenic risk: Risk was calculated only for the U.S. population in accordance with current HED policy. This value was calculated as:

$$\text{RISK} = \text{EXPOSURE} \times Q^*$$

Using Published Tolerance Values only:

$$\text{or } 0.004302 \times (2.9 \times 10^{-1}) \\ \text{or } 4.3 \times 10^{-3} \times 2.9 \times 10^{-1} = \underline{1.3 \times 10^{-3}}$$

Using Published Tolerances, and factoring by anticipated residues and percent of crop treated, the risk was calculated as:

$$\text{or } 0.000416 \times (2.9 \times 10^{-1}) \\ \text{or } 4.2 \times 10^{-4} \times 2.9 \times 10^{-1} = \underline{1.2 \times 10^{-4}}$$

Discussion

For calculation of anticipated residues in the TAS analyses, the published tolerance values were factored by values for percent of crop treated and processing data, when such data was available. It must be pointed out that much of the data on percent of crop treated was derived from indirect inference and cannot be considered as solid data. The following must be noted:

1. Besides the tolerances on specific crops listed in CFR 180.235, tolerances are established for the residues of DDVP on bulk stored nonperishable RACs and packaged or bagged nonperishable RACs and processed foods. The foods in this category, without adjusting for percent of crop treated or anticipated residues, contribute 68% of the TMRC.

2. As calculated in the TAS analysis, the value used for percent of these crops treated was 7.5%. This percentage was the value given by BUD as the average percentage of processors using DDVP, 6/84 through 6/85 (memo. Ed Brandt, 7/29/87). However, this use information is only relevant to food processors. The tolerances also cover registered uses on bulk storage facilities such as warehouses and railroad storage; no information is available on the percent use of DDVP at these locations.

Finally, since the treatment of food occurs at the distribution level, the use of % crop treated correction for this use is debatable. The distribution of residues will not be random, and it is likely that within a given regional distribution area, most of the food will be treated.

4. It must be concluded, that with the sparsity of quantitative data available to TAS on this type of categorical treatment with DDVP, the value of 7.5% crop treated in this treatment category must be considered as arbitrary.

ATTACHMENT

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

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/05/87

PAGE: 1a

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dichlorovos Caswell #328 CAS No. 62-73-7 A.I. CODE: 084001 CFR No. 180.235	2yr feeding- dog NOEL= 0.0800 mg/kg 3.20 ppm LEL= 0.8000 mg/kg 32.00 ppm ONCO: Class B2 (TOX NOTE)	Increased liver weights, enlarged hepatocytes, no effect on CHE activity. Evidence of oncogenicity in rats (pancreas, leuk.) and mice (stomach).	PADI 100 OPP RfD= 0.000800 EPA RfD= 0.002500 MHD RfD 0.004000 Type: ADI	Chronic feeding- rat (Core-Supplementary) Reproduction (Core-Supplementary) Teratology- rat	TOX complete 8/15/86. ORD verified 9/16/86. MHD last reviewed 1977. TOX reassess 7/16/87.

POPULATION SUBGROUP	TOTAL TMRC (MG/KG BODY WEIGHT/DAY)		NEW TMRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES (MG/KG/DAY)	%RFD
	CURRENT TMRC*	NEW TMRC**				
U.S. POPULATION - 48 STATES	0.004302	0.004302	537.724000	0.000000	0.000416	52.008500
U.S. POPULATION - SPRING SEASON	0.004153	0.004153	519.094250	0.000000	0.000402	50.305750
U.S. POPULATION - SUMMER SEASON	0.004346	0.004346	543.247500	0.000000	0.000414	51.803500
U.S. POPULATION - FALL SEASON	0.004349	0.004349	543.649750	0.000000	0.000426	53.281750
U.S. POPULATION - WINTER SEASON	0.004312	0.004312	539.049000	0.000000	0.000421	52.648125
NORTHEAST REGION	0.004257	0.004257	532.173500	0.000000	0.000411	51.355375
NORTH CENTRAL REGION	0.004384	0.004384	548.053250	0.000000	0.000423	52.907125
SOUTHERN REGION	0.004072	0.004072	508.960250	0.000000	0.000404	50.515500
WESTERN REGION	0.004574	0.004574	571.800875	0.000000	0.000435	54.167000
HISPANICS	0.004807	0.004807	600.864625	0.000000	0.000499	62.387875
NON-HISPANIC WHITES	0.004337	0.004337	542.082125	0.000000	0.000408	51.056250
NON-HISPANIC BLACKS	0.003735	0.003735	466.932000	0.000000	0.000422	52.707125
NON-HISPANICS OTHER	0.004364	0.004364	545.543375	0.000000	0.000454	56.791625
NURSING INFANTS (<1 YEAR OLD)	0.003654	0.003654	456.717625	0.000000	0.000401	50.065625
NON-NURSING INFANTS (<1 YEAR OLD)	0.011804	0.011804	1475.508500	0.000000	0.001522	190.264625
FEMALES (13+ YEARS, PREGNANT)	0.003153	0.003153	394.077250	0.000000	0.000298	37.240000
FEMALES 13+ YEARS, NURSING	0.003773	0.003773	471.670625	0.000000	0.000354	44.302125
CHILDREN (1-6 YEARS OLD)	0.009048	0.009048	1130.974125	0.000000	0.000976	122.047000
CHILDREN (7-12 YEARS OLD)	0.006623	0.006623	827.852125	0.000000	0.000649	81.154250
MALES (13-19 YEARS OLD)	0.004460	0.004460	557.511750	0.000000	0.000440	55.001250
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.003718	0.003718	464.766500	0.000000	0.000355	44.162125
MALES (20 YEARS AND OLDER)	0.003314	0.003314	414.254250	0.000000	0.000304	38.004375
FEMALES (20 YEARS AND OLDER)	0.002986	0.002986	373.188250	0.000000	0.000265	32.928125

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

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 328

DATE: 08/05/87

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dichlorvos Caswell #328 CAS No. 62-73-7 A.I. CODE: 084001 CFR No. 180.235	Yr feeding, dog MOEL= 0.0800 mg/kg 3.20 ppm LEL= 0.8000 mg/kg 32.00 ppm ONCO: Class B2 (TOX WOTE)	Increased liver weights, enlarged hepatocytes, no effect on CHE activity. Evidence of oncogenicity in rats (pancreas, leuk.) and mice (stomach).	PADI 100 Opp Rfd= 0.000800 EPA Rfd= 0.002500 WHO Rfd 0.004000 Type: ADI	Chronic feeding- rat (Core-Supplementary) Reproduction (Core-Supplementary) Teratology- rat	TOX complete 8/15/86. ORD verified 9/16/86. WHO last reviewed 1977. TOX reassess 7/16/87.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
01014DA	GRAPES-RAISINS	10 RAW-FRESH OR NFS	0H2477	0.500000	0.500000		7.50	0.037500
01014DA	GRAPES-RAISINS	21 COOKED-NFS	0H2477	0.500000	0.500000		7.50	0.037500
03001AA	ALMONDS	22 COOKED-FRESH-BAKED	1F1132	2.000000	2.000000		7.50	0.150000
03001AA	ALMONDS	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
03001AA	ALMONDS	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
03001AA	ALMONDS	22 COOKED-FRESH-BAKED	1F1132	2.000000	2.000000		7.50	0.150000
03002AA	BRAZIL NUTS	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
03002AA	BRAZIL NUTS	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
03003AA	CASHEWS	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
03003AA	CASHEWS	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
03004AA	CHESTNUTS	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
03004AA	CHESTNUTS	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
03005AA	FILBERTS	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
03005AA	FILBERTS	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
03005AA	FILBERTS	22 COOKED-FRESH-BAKED	1F1132	2.000000	2.000000		7.50	0.150000
03006AA	HICKORY NUTS	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
03007AA	MACADAMIA NUTS	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
03008AA	PECANS	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
03008AA	PECANS	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
03008AA	PECANS	22 COOKED-FRESH-BAKED	1F1132	2.000000	2.000000		7.50	0.150000
03008AA	PECANS	23 COOKED-FRESH-BOILED	1F1132	2.000000	2.000000		7.50	0.150000
03009AA	PECANS	62 COOKED-FRESH OR FROZEN-BAKED	1F1132	2.000000	2.000000		7.50	0.150000
03009AA	WALNUTS	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
03009AA	WALNUTS	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
03009AA	WALNUTS	22 COOKED-FRESH-BAKED	1F1132	2.000000	2.000000		7.50	0.150000
03010AA	BUTTER NUTS	00 NOT SPECIFIED (NO CONSUMPTION)	1F1132	2.000000	2.000000		7.50	0.150000
03011AA	PISTACHIO NUTS	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
03013AA	BEECHNUTS	00 NOT SPECIFIED (NO CONSUMPTION)	1F1132	2.000000	2.000000		7.50	0.150000
04001DA	APPLES-DRIED	10 RAW-FRESH OR NFS	0H2477	0.500000	0.500000		7.50	0.037500
04001DA	APPLES-DRIED	22 COOKED-FRESH-BAKED	0H2477	0.500000	0.500000		7.50	0.037500
04001DA	APPLES-DRIED	62 COOKED-FRESH OR FROZEN-BAKED	0H2477	0.500000	0.500000		7.50	0.037500
04003DA	PEARS-DRIED	10 RAW-FRESH OR NFS	0H2477	0.500000	0.500000		7.50	0.037500
04003DA	PEARS-DRIED	21 COOKED-NFS	0H2477	0.500000	0.500000		7.50	0.037500
05001DA	APRICOTS-DRIED	10 RAW-FRESH OR NFS	0H2477	0.500000	0.500000		7.50	0.037500
05001DA	APRICOTS-DRIED	22 COOKED-FRESH-BAKED	0H2477	0.500000	0.500000		7.50	0.037500
05002DA	CHERRIES-DRIED	00 NOT SPECIFIED (NO CONSUMPTION)	0H2477	0.500000	0.500000		7.50	0.037500
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS	0H2477	0.500000	0.500000		7.50	0.037500
05004DA	PEACHES-DRIED	21 COOKED-NFS	0H2477	0.500000	0.500000		7.50	0.037500
05005DA	PLUMS-PRUNES	10 RAW-FRESH OR NFS	0H2477	0.500000	0.500000		7.50	0.037500
05005DA	PLUMS-PRUNES	21 COOKED-NFS	0H2477	0.500000	0.500000		7.50	0.037500
05005DA	PLUMS-PRUNES	31 COOKED-FRESH OR CANNED	0H2477	0.500000	0.500000		7.50	0.037500

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 328

DATE: 08/05/87

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dichlorvos Caswell #328 CAS No. 62-73-7 A.I. CODE: 084,001 CFR No. 180.235	2yr feeding- dog NOEL= 0.080 mg/kg 3.20 ppm LEL= 0.800 mg/kg 32.00 ppm ONCO: Class B2 (TOX NOTE)	Increased liver weights, enlarged hepatocytes, effect on CHE activity. Evidence of oncogenicity in rats (pancreas, leuk.) and mice (stomach).	PADI 100 OPP Rfd= 0.000800 EPA Rfd= 0.002500 WHO Rfd 0.004000 Type: AD1	Chronic feeding- rat (Core-Supplementary) Reproduction (Core-Supplementary) Teratology- rat	TOX complete 8/15/86. ORD verified 9/16/86. WHO last reviewed 1977. TOX reassess 7/16/87.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
06002DA	BANANAS-DRIED	10 RAW-FRESH OR NFS	0H2477	0.500000	0.500000	AS DDVP,NOT NAL	7.50	0.037500
06002DA	BANANAS-DRIED	21 COOKED-NFS	0H2477	0.500000	0.500000	AS DDVP,NOT NAL	7.50	0.037500
06003DA	COCONUT-FRESH	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000	AS DDVP,NOT NAL	7.50	0.150000
06003DA	COCONUT-FRESH	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000	AS DDVP,NOT NAL	7.50	0.150000
06003DA	COCONUT-COPRA	21 COOKED-NFS	1F1132	2.000000	2.000000	AS DDVP,NOT NAL	7.50	0.150000
06003DA	COCONUT-COPRA	22 COOKED-FRESH-BAKED	1F1132	2.000000	2.000000	AS DDVP,NOT NAL	7.50	0.150000
06003DA	COCONUT-COPRA	62 COOKED-FRESH OR FROZEN-BAKED	1F1132	2.000000	2.000000	AS DDVP,NOT NAL	7.50	0.150000
06003JA	COCONUT-WATER	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000	AS DDVP,NOT NAL	7.50	0.150000
06005AA	FIGS	10 RAW-FRESH OR NFS	9H5209	0.500000	0.500000	AS DDVP,NOT NAL	20.00	0.100000
06005AA	FIGS	21 COOKED-NFS	9H5209	0.500000	0.500000	AS DDVP,NOT NAL	20.00	0.100000
06005AA	FIGS	22 COOKED-FRESH-BAKED	9H5209	0.500000	0.500000	AS DDVP,NOT NAL	20.00	0.100000
06010DA	PAPAYAS-DRIED	10 RAW-FRESH OR NFS	0H2477	0.500000	0.500000	AS DDVP,NOT NAL	7.50	0.037500
06013DA	PINEAPPLE-DRIED	10 RAW-FRESH OR NFS	0H2477	0.500000	0.500000	AS DDVP,NOT NAL	7.50	0.037500
07001FA	COCOA BUTTER	21 COOKED-NFS	1F1132	2.000000	2.000000	AS DDVP,NOT NAL	7.50	0.150000
07001SA	CHOCOLATE	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000	AS DDVP,NOT NAL	7.50	0.150000
07001SA	CHOCOLATE	21 COOKED-NFS	1F1132	2.000000	2.000000	AS DDVP,NOT NAL	7.50	0.150000
07001SA	CHOCOLATE	22 COOKED-FRESH-BAKED	1F1132	2.000000	2.000000	AS DDVP,NOT NAL	7.50	0.150000
07002AA	COFFEE	21 COOKED-NFS	1F1132	2.000000	2.000000	AS DDVP,NOT NAL	7.50	0.150000
07003AA	TEA	21 COOKED-NFS	1F1132	0.500000	0.500000	AS DDVP,NOT NAL	7.50	0.037500
07006AA	CHICORY	21 COOKED-NFS	1F1132	0.500000	0.500000	AS DDVP,NOT NAL	7.50	0.037500
08028AA	MUSTARD SEED	11 RAW-FRESH-PICKLED,CORNED,OR CURED	1F1132	0.500000	0.500000	AS DDVP,NOT NAL	7.50	0.037500
10010AA	CUCUMBERS	10 RAW-FRESH OR NFS	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
10010AA	CUCUMBERS	11 RAW-FRESH-PICKLED,CORNED,OR CURED	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
10010AA	CUCUMBERS	21 COOKED-NFS	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
11005AA	TOMATOES-WHOLE	21 COOKED-NFS	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
11005JA	TOMATOES-JUICE	21 COOKED-NFS	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
11005RA	TOMATOES-PUREE	21 COOKED-NFS	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
11005RA	TOMATOES-PUREE	51 COOKED-FRESH OR CANNED-BAKED	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
11005TA	TOMATOES-PASTE	21 COOKED-NFS	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
11005TA	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
11005JA	TOMATOES-CATSUP	21 COOKED-NFS	0E0875	0.500000	0.300000	AS DDVP,NOT NAL	1.00	0.003000
13013AA	LETTUCE-LEAFY	10 RAW-FRESH OR NFS	0E0875	1.000000	0.600000	AS DDVP,NOT NAL	1.00	0.006000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 328

DATE: 08/05/87

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FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
13020AA	LETTUCE-UWSPEC	10 RAW-FRESH OR NFS	0E0875	1.000000	0.600000	AS DDVP,NOT MAL	1.00	0.006000
13045AA	LETTUCE-HEAD	10 RAW-FRESH OR NFS	0E0875	1.000000	0.600000	AS DDVP,NOT MAL	1.00	0.006000
13045AA	LETTUCE-HEAD	21 COOKED-NFS	0E0875	1.000000	0.600000	AS DDVP,NOT MAL	1.00	0.006000
140130A	POTATO(MH)-DRY	10 RAW-FRESH OR NFS	0H2477	0.500000	0.500000		7.50	0.037500
140130A	POTATO(MH)-DRY	31 COOKED-FRESH OR CANNED	0H2477	0.500000	0.500000		7.50	0.037500
14014AA	RADISHES-ROOTS	10 RAW-FRESH OR NFS	0E0875	0.500000	0.500000		1.00	0.005000
15001AA	BEANS-DRY-GRT NO	00 NOT SPECIFIED (NO CONSUMPTION)	1F1132	0.500000	0.500000		7.50	0.037500
15001AB	BEANS-DRY-KIDNEY	21 COOKED-NFS	1F1132	0.500000	0.500000		7.50	0.037500
15001AB	BEANS-DRY-KIDNEY	31 COOKED-FRESH OR CANNED	1F1132	0.500000	0.500000		7.50	0.037500
15001AC	BEANS-DRY-LIMA	21 COOKED-NFS	1F1132	0.500000	0.500000		7.50	0.037500
15001AD	BEANS-DRY-NAVY	21 COOKED-NFS	1F1132	0.500000	0.500000		7.50	0.037500
15001AD	BEANS-DRY-NAVY	31 COOKED-FRESH OR CANNED	1F1132	0.500000	0.500000		7.50	0.037500
15001AE	BEANS-DRY-OTHER	21 COOKED-NFS	1F1132	0.500000	0.500000		7.50	0.037500
15001AE	BEANS-DRY-OTHER	25 COOKED-FRESH OR FRIED	1F1132	0.500000	0.500000		7.50	0.037500
15001AE	BEANS-DRY-OTHER	31 COOKED-FRESH OR CANNED	1F1132	0.500000	0.500000		7.50	0.037500
15001AF	PEANUTS-WHOLE	21 COOKED-NFS	1F1132	0.500000	0.500000		7.50	0.037500
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED	1F1132	2.000000	2.000000		7.50	0.150000
15007AA	PEAS DRY-GARDEN	21 COOKED-NFS	1F1132	0.500000	0.500000		7.50	0.037500
15007AA	PEAS DRY-GARDEN	31 COOKED-FRESH OR CANNED	1F1132	0.500000	0.500000		7.50	0.037500
15011AB	LENTILES-SPLIT	21 COOKED-NFS	1F1132	0.500000	0.500000		7.50	0.037500
15018AA	SUNFLOWER-SEEDS	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
15020AA	CAROB	10 RAW-FRESH OR NFS	1F1132	0.500000	0.500000		7.50	0.037500
15020AA	CAROB	21 COOKED-NFS	1F1132	0.500000	0.500000		7.50	0.037500
15020AA	CAROB	22 COOKED-FRESH-BAKED	1F1132	0.500000	0.500000		7.50	0.037500
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	1F1132	0.500000	0.500000		7.50	0.037500
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS	1F1132	0.500000	0.500000		7.50	0.037500
15026AA	SESAME SEEDS	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
15026AA	SESAME SEEDS	22 COOKED-FRESH-BAKED	1F1132	2.000000	2.000000		7.50	0.150000
15028AA	PINEUTS	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
15028AA	PINEUTS	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	1F1132	0.500000	0.500000		7.50	0.037500
15031AA	BIKEYE PEAS-DRY	21 COOKED-NFS	1F1132	0.500000	0.500000		7.50	0.037500
15032AA	BEANS-DRY	21 COOKED-NFS	1F1132	0.500000	0.500000		7.50	0.037500
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED	1F1132	0.500000	0.500000		7.50	0.037500
16003AA	MUSHROOMS	10 RAW-FRESH OR NFS	1E1100	0.500000	0.300000	AS DDVP,NOT MAL	1.00	0.003000
16003AA	MUSHROOMS	21 COOKED-NFS	1E1100	0.500000	0.300000	AS DDVP,NOT MAL	1.00	0.003000
16003AA	MUSHROOMS	31 COOKED-FRESH OR CANNED	1E1100	0.500000	0.300000	AS DDVP,NOT MAL	1.00	0.003000
16003AA	MUSHROOMS	53 COOKED-CANNED-BOILED	1E1100	0.500000	0.300000	AS DDVP,NOT MAL	1.00	0.003000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 328

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dichlorovos Caswell #328 CAS No. 62-73-7 A.I. CODE: 084001 CFR No. 180.235	Yr feeding- 0.080 mg/kg MOEL= 3.20 ppm LEL= 0.800 mg/kg 32.00 ppm ONCO: Class B2 (TOX NOTE)	Increased liver weights, enlarged hepatocytes, no effect on CHE activity. Evidence of oncogenicity in rats (pancreas, leuk.) and mice (stomach).	PADI 100 OPP Rfd= 0.000800 EPA Rfd= 0.002500 WHO Rfd 0.004000 Type: AD1	Chronic feeding- rat (Core-Supplementary) Reproduction (Core-Supplementary) Teratology- rat	TOX complete 8/15/86. ORD verified 9/16/86. WHO last reviewed 1977. TOX reassess 7/16/87.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
24001AA	BARLEY	21 COOKED-NFS	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24002EA	CORN, GRAIN-ENDO	10 RAW-FRESH OR NFS	1F1132	0.500000	0.500000		7.50	0.037500
24002EA	CORN, GRAIN-ENDO	21 COOKED-NFS	1F1132	0.500000	0.500000		7.50	0.037500
24002EA	CORN, GRAIN-ENDO	22 COOKED-FRESH-BAKED	1F1132	0.500000	0.500000		7.50	0.037500
24002EA	CORN, GRAIN-ENDO	23 COOKED-FRESH-BOILED	1F1132	0.500000	0.500000		7.50	0.037500
24002HA	CORN, GRAIN-BRAN	00 NOT SPECIFIED (NO CONSUMPTION)	1F1132	0.500000	0.500000		7.50	0.037500
24002SA	CORN SUGAR	10 RAW-FRESH OR NFS	1F1132	0.500000	0.500000		7.50	0.037500
24002SA	CORN SUGAR	21 COOKED-NFS	1F1132	0.500000	0.500000		7.50	0.037500
24003AA	OATS	22 COOKED-FRESH-BAKED	1F1132	2.000000	0.260000	COOKING DATA	7.50	0.019500
24003AA	OATS	23 COOKED-FRESH-BOILED	1F1132	2.000000	0.260000	COOKING DATA	7.50	0.019500
24004AA	RICE-ROUGH	21 COOKED-NFS	1F1132	0.500000	0.010000	COOKING DATA	7.50	0.000750
24004AA	RICE-ROUGH	22 COOKED-FRESH-BOILED	1F1132	0.500000	0.010000	COOKING DATA	7.50	0.000750
24004AB	RICE-MILLED	21 COOKED-NFS	1F1132	0.500000	0.010000	COOKING DATA	7.50	0.000750
24004AB	RICE-MILLED	22 COOKED-FRESH-BAKED	1F1132	0.500000	0.010000	COOKING DATA	7.50	0.000750
24004AB	RICE-MILLED	23 COOKED-FRESH-BOILED	1F1132	0.500000	0.010000	COOKING DATA	7.50	0.000750
24004AB	RICE-MILLED	31 COOKED-FRESH OR CANNED	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24005AA	RYE-ROUGH	00 NOT SPECIFIED (NO CONSUMPTION)	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24005AA	RYE-ROUGH	21 COOKED-NFS	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24005AA	RYE-ROUGH	22 COOKED-FRESH-BAKED	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24005AA	RYE-ROUGH	22 COOKED-FRESH-BAKED	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24006AA	SORGHUM	00 NOT SPECIFIED (NO CONSUMPTION)	1F1132	0.500000	0.500000		7.50	0.037500
24007AA	WHEAT-ROUGH	10 RAW-FRESH OR NFS	1F1132	0.500000	0.500000		7.50	0.037500
24007AA	WHEAT-ROUGH	21 COOKED-NFS	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24007AA	WHEAT-ROUGH	22 COOKED-FRESH-BAKED	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24007AA	WHEAT-ROUGH	23 COOKED-FRESH-BOILED	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24007GA	WHEAT-GERM	10 RAW-FRESH OR NFS	1F1132	0.500000	0.500000		7.50	0.037500
24007GA	WHEAT-GERM	22 COOKED-FRESH-BAKED	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24007HA	WHEAT-BRAN	10 RAW-FRESH OR NFS	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24007HA	WHEAT-BRAN	21 COOKED-NFS	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24007HA	WHEAT-BRAN	22 COOKED-FRESH-BAKED	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24007HA	WHEAT-BRAN	23 COOKED-FRESH-BOILED	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24007VA	WHEAT-FLOUR	10 RAW-FRESH OR NFS	1F1132	0.500000	0.500000		7.50	0.037500
24007VA	WHEAT-FLOUR	21 COOKED-NFS	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24007VA	WHEAT-FLOUR	22 COOKED-FRESH-BAKED	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24007VA	WHEAT-FLOUR	23 COOKED-FRESH-BOILED	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
24012AA	MILLET	10 RAW-FRESH OR NFS	1F1132	0.500000	0.500000		7.50	0.037500
24012AA	MILLET	21 COOKED-NFS	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
25002SA	BEET SUGAR	10 RAW-FRESH OR NFS	0H2477	0.500000	0.500000		7.50	0.037500
25002SA	BEET SUGAR	21 COOKED-NFS	0H2477	0.500000	0.500000		7.50	0.037500

ANTICIPATED RESIDUE INFORMATION FOR CASHELL NUMBER 328

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dichlorvos Caswell #328 CAS No. 62-73-7 A.I. CODE: 084001 CFR No. 180.235	2yr feeding - dog NOEL= 0.0800 mg/kg 3.20 ppm LEL= 0.8000 mg/kg 32.00 ppm ONCO: Class B2 (TOX NOTE)	Increased liver weights, enlarged hepatocytes, no effect on the activity. Evidence of oncogenicity in rats (pancreas, leuk.) and mice (stomach).	PADI 100 OPP RfD= 0.000800 EPA RfD= 0.002500 WHO RfD 0.004000 Type: ADI	Chronic feeding - rat (Core-Supplementary) Reproduction (Core-Supplementary) Teratology - rat	TOX complete 8/15/86. ORD verified 9/16/86. WHO last reviewed 1977. TOX reassess 7/16/87.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
25002SA	BET SUGAR	22 COOKED-FRESH-BAKED	0H2477	0.500000	0.500000		7.50	0.037500
25002SA	BET SUGAR	31 COOKED-FRESH OR CANNED	0H2477	0.500000	0.500000		7.50	0.037500
25003SA	CANE SUGAR	10 RAW-FRESH OR NFS	0H2477	0.500000	0.500000		7.50	0.037500
25003SA	CANE SUGAR	21 COOKED-NFS	0H2477	0.500000	0.500000		7.50	0.037500
25003SA	CANE SUGAR	22 COOKED-FRESH-BAKED	0H2477	0.500000	0.500000		7.50	0.037500
25003SA	CANE SUGAR	31 COOKED-FRESH OR CANNED	0H2477	0.500000	0.500000		7.50	0.037500
26001AA	BUCKWHEAT	21 COOKED-NFS	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
26001AA	BUCKWHEAT	22 COOKED-FRESH-BAKED	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
26001AA	BUCKWHEAT	25 COOKED-FRESH-FRIED	1F1132	0.500000	0.065000	COOKING DATA	7.50	0.004875
270020A	CORN, GRAIN-OIL	18 PROCESSED OIL	1F1132	0.500000	0.500000		7.50	0.037500
270030A	COTTONSEED-OIL	18 PROCESSED OIL	1F1132	2.000000	2.000000		7.50	0.150000
270030A	COTTONSEED-OIL	18 PROCESSED OIL	1F1132	2.000000	2.000000		7.50	0.150000
27004AA	FLAX SEED	00 NOT SPECIFIED (NO CONSUMPTION)	1F1132	2.000000	2.000000		7.50	0.150000
270070A	PEANUTS-OIL	18 PROCESSED OIL	1F1132	2.000000	2.000000		7.50	0.150000
27008AA	SAFFLOWER-SEED	00 NOT SPECIFIED (NO CONSUMPTION)	1F1132	2.000000	2.000000		7.50	0.150000
270080A	SAFFLOWER-OIL	18 PROCESSED OIL	1F1132	2.000000	2.000000		7.50	0.150000
270090A	SESAME-OIL	18 PROCESSED OIL	1F1132	2.000000	2.000000		7.50	0.150000
270100A	SOYBEANS-OIL	18 PROCESSED OIL	1F1132	2.000000	2.000000		7.50	0.150000
270110A	SUNFLOWER-OIL	18 PROCESSED OIL	1F1132	2.000000	2.000000		7.50	0.150000
270150A	COCONUT-OIL	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
270150A	COCONUT-OIL	22 COOKED-FRESH-BAKED	1F1132	2.000000	2.000000		7.50	0.150000
270150A	COCONUT-OIL	25 COOKED-FRESH-FRIED	1F1132	2.000000	2.000000		7.50	0.150000
270150A	COCONUT-OIL	51 COOKED-CANNED	1F1132	2.000000	2.000000		7.50	0.150000
28023AA	SOYBEANS-UNSPEC	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
28023AB	SOYBEANS-DRY	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
28023AB	SOYBEANS-DRY	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
28023AB	SOYBEANS-DRY	23 COOKED-FRESH-BOILED	1F1132	2.000000	2.000000		7.50	0.150000
28023AB	SOYBEANS-DRY	25 COOKED-FRESH-FRIED	1F1132	2.000000	2.000000		7.50	0.150000
28023AB	SOYBEANS-DRY	31 COOKED-FRESH OR CANNED	1F1132	2.000000	2.000000		7.50	0.150000
28023AA	SOY-FL, FULL FAT	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
28023AA	SOY-FL, FULL FAT	22 COOKED-FRESH-BAKED	1F1132	2.000000	2.000000		7.50	0.150000
28023AA	SOY-FL, FULL FAT	31 COOKED-FRESH OR CANNED	1F1132	2.000000	2.000000		7.50	0.150000
28023AB	SOY-FL, LOW FAT	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
28023WC	SOY-FL,DEFAT	10 RAW-FRESH OR NFS	1F1132	2.000000	2.000000		7.50	0.150000
28023WC	SOY-FL,DEFAT	21 COOKED-NFS	1F1132	2.000000	2.000000		7.50	0.150000
28023WC	SOY-FL,DEFAT	22 COOKED-FRESH-BAKED	1F1132	2.000000	2.000000		7.50	0.150000
28023WC	SOY-FL,DEFAT	51 COOKED-CANNED	1F1132	2.000000	2.000000		7.50	0.150000
28023JC	SOY-FL,DEFAT	53 COOKED-CANNED-BOLLED	1F1132	2.000000	2.000000		7.50	0.150000
500000B	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	9F0788	0.020000	0.020000		62.60	0.012520

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 328

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dichlorvos Caswell #328 CAS No. 62-73-7 A.I. CODE: 084,001 CFR No. 180.235	2yr feeding- dog NOEL= 0.0800 mg/kg LEL= 0.8000 mg/kg 32.00 ppm ONCO: Class B2 (TOX NOTE)	Increased liver weights, enlarged hepatocytes, no effect on the activity. Evidence of oncogenicity in rats (pancreas, leuk.) and mice (stomach).	PADI 100 OPP Rfd= 0.000800 EPA Rfd= 0.002500 WHO Rfd 0.004000 Type: AD1	Chronic feeding- rat (Core-Supplementary) Reproduction (Core-Supplementary) Teratology- rat	TOX complete 8/15/86. ORD verified 9/16/86. WHO last reviewed 1977. TOX reassess 7/16/87.

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
50000DB	MILK-NON-FAT SOL	21 COOKED-NFS	9F0788	0.020000	0.020000		62.60	0.012520
50000DB	MILK-NON-FAT SOL	51 COOKED-CANNED	9F0788	0.020000	0.020000		62.60	0.012520
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	9F0788	0.020000	0.020000		62.60	0.012520
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS	9F0788	0.020000	0.020000		62.60	0.012520
50000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	9F0788	0.020000	0.020000		62.60	0.012520
50000SA	MILK SLUG (LACT)	21 COOKED-NFS	9F0788	0.020000	0.020000		62.60	0.012520
50000SA	MILK SLUG (LACT)	51 COOKED-CANNED	9F0788	0.020000	0.020000		62.60	0.012520
53001BA	BEEF-MEAT BYP	21 COOKED-NFS	9F0788	0.020000	0.020000		16.20	0.003240
53001BA	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED,CORNED,OR CURED	9F0788	0.020000	0.020000		16.20	0.003240
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS	9F0788	0.020000	0.020000		16.20	0.003240
53001BB	BEEF-OTH ORGAN	51 COOKED-CANNED	9F0788	0.020000	0.020000		16.20	0.003240
53001DA	BEEF-DRIED	21 COOKED-NFS	9F0788	0.020000	0.020000		16.20	0.003240
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	9F0788	0.020000	0.020000		16.20	0.003240
53001FA	BEEF-FAT	21 COOKED-NFS	9F0788	0.020000	0.020000		16.20	0.003240
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	9F0788	0.020000	0.020000		16.20	0.003240
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	9F0788	0.020000	0.020000		16.20	0.003240
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	9F0788	0.020000	0.020000		16.20	0.003240
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	9F0788	0.020000	0.020000		16.20	0.003240
53001KA	BEEF-KIDNEY	21 COOKED-NFS	9F0788	0.020000	0.020000		16.20	0.003240
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	9F0788	0.020000	0.020000		16.20	0.003240
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	9F0788	0.020000	0.020000		16.20	0.003240
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS	9F0788	0.020000	0.020000		16.20	0.003240
53001MA	BEEF-LEAN	21 COOKED-NFS	9F0788	0.020000	0.020000		16.20	0.003240
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	9F0788	0.020000	0.020000		16.20	0.003240
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	9F0788	0.020000	0.020000		16.20	0.003240
53001MA	BEEF-LEAN	24 COOKED-FRESH-BROILED	9F0788	0.020000	0.020000		16.20	0.003240
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED (NO CONSUMPTION)	9F0788	0.020000	0.020000		100.00	0.020000
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED (NO CONSUMPTION)	9F0788	0.020000	0.020000		100.00	0.020000
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED	9F0788	0.020000	0.020000		100.00	0.020000
53002FA	GOAT-FAT	25 COOKED-FRESH-FRIED	9F0788	0.020000	0.020000		100.00	0.020000
53002KA	GOAT-KIDNEY	00 NOT SPECIFIED (NO CONSUMPTION)	9F0788	0.020000	0.020000		100.00	0.020000
53002LA	GOAT-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	9F0788	0.020000	0.020000		100.00	0.020000
53002MA	GOAT-LEAN	23 COOKED-FRESH-BOILED	9F0788	0.020000	0.020000		100.00	0.020000
53002MA	GOAT-LEAN	25 COOKED-FRESH-FRIED	9F0788	0.020000	0.020000		100.00	0.020000
53005BA	SHEEP-MEAT BYP	21 COOKED-NFS	9F0788	0.020000	0.020000		100.00	0.020000
53005BA	SHEEP-OTH ORGAN	21 COOKED-NFS	9F0788	0.020000	0.020000		100.00	0.020000
53005FA	SHEEP-FAT	21 COOKED-NFS	9F0788	0.020000	0.020000		100.00	0.020000
53005KA	SHEEP-KIDNEY	21 COOKED-NFS	9F0788	0.020000	0.020000		100.00	0.020000
53005LA	SHEEP-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	9F0788	0.020000	0.020000		100.00	0.020000
53005MA	SHEEP-LEAN	21 COOKED-NFS	9F0788	0.020000	0.020000		100.00	0.020000

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dichlorvos Caswell #328 CAS No. 62-73-7 A.I. CODE: 084001 CFR No. 180.235	2yr feeding- dog NOEL= 0.0800 mg/kg 3.20 ppm LEL= 0.8000 mg/kg 32.00 ppm ONCO: Class B2 (TOX NOTE)	Increased liver weights, enlarged hepatocytes, no effect on CHE activity. Evidence of oncogenicity in rats (pancreas, leuk.) and mice (stomach).	PAOI 100 OPP Rfd= 0.000800 EPA Rfd= 0.002500 WHO Rfd 0.004000 Type: ADI	Chronic feeding- rat (Core-Supplementary) Reproduction (Core-Supplementary) Teratology- rat	TOX complete 8/15/86. ORD verified 9/16/86. WHO last reviewed 1977. TOX reassess 7/16/87.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
53005MA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED	9F0788	0.020000	0.020000		100.00	0.020000
530068A	PORK-MEAT BYP	21 COOKED-NFS	9F0788	0.100000	0.100000		100.00	0.100000
530068B	PORK-OTH ORGAN	21 COOKED-NFS	9F0788	0.100000	0.100000		100.00	0.100000
530068B	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED,CORNE	9F0788	0.100000	0.100000		100.00	0.100000
53006FA	PORK-FAT	10 RAW-FRESH OR NFS	9F0788	0.100000	0.100000		100.00	0.100000
53006FA	PORK-FAT	21 COOKED-NFS	9F0788	0.100000	0.100000		100.00	0.100000
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED	9F0788	0.100000	0.100000		100.00	0.100000
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED	9F0788	0.100000	0.100000		100.00	0.100000
53006FA	PORK-FAT	26 COOKED-FRESH-PICKLED,CORNE	9F0788	0.100000	0.100000		100.00	0.100000
53006FA	PORK-KIDNEY	21 COOKED-NFS	9F0788	0.100000	0.100000		100.00	0.100000
53006LA	PORK-LIVER	21 COOKED-NFS	9F0788	0.100000	0.100000		100.00	0.100000
53006LA	PORK-LIVER	25 COOKED-FRESH-FRIED	9F0788	0.100000	0.100000		100.00	0.100000
53006MA	PORK-LEAN	21 COOKED-NFS	9F0788	0.100000	0.100000		100.00	0.100000
53006MA	PORK-LEAN	25 COOKED-FRESH-FRIED	9F0788	0.100000	0.100000		100.00	0.100000
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED,CORNE	9F0788	0.100000	0.100000		100.00	0.100000
53017DA	FISH,FIN-SLT-DRY	12 RAW-FRESH-DRIED	0H2477	0.500000	0.500000		7.50	0.037500
53017DA	FISH,FIN-SLT-DRY	21 COOKED-NFS	0H2477	0.500000	0.500000		7.50	0.037500
55008BA	TURKEY-BYP	21 COOKED-NFS	1F1059	0.050000	0.050000		100.00	0.050000
55008BA	TURKEY-BYP	26 COOKED-FRESH-PICKLED,CORNE	1F1059	0.050000	0.050000		100.00	0.050000
55008LA	TURKEY ORGAN	25 COOKED-NFS	1F1059	0.050000	0.050000		100.00	0.050000
55008LA	TURKEY ORGAN	25 COOKED-FRESH-FRIED	1F1059	0.050000	0.050000		100.00	0.050000
55008MA	TURKEY W/O SKIN	21 COOKED-NFS	1F1059	0.050000	0.050000		100.00	0.050000
55008MA	TURKEY W/O SKIN	31 COOKED-FRESH OR CANNED	1F1059	0.050000	0.050000		100.00	0.050000
55008MA	TURKEY W/O SKIN	62 COOKED-FRESH OR FROZEN-BAKED	1F1059	0.050000	0.050000		100.00	0.050000
55008MB	TURKEY+SKIN	21 COOKED-NFS	1F1059	0.050000	0.050000		100.00	0.050000
55008MB	TURKEY+SKIN	25 COOKED-FRESH-FRIED	1F1059	0.050000	0.050000		100.00	0.050000
55008MC	TURKEY-UNSPEC	21 COOKED-NFS	1F1059	0.050000	0.050000		100.00	0.050000
55013BA	POLITRY,OTH-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	1F1059	0.050000	0.050000		100.00	0.050000
55013LA	POLITRY,ORGAN	25 COOKED-FRESH-FRIED	1F1059	0.050000	0.050000		100.00	0.050000
55013MA	POLITRY,OTHER	21 COOKED-NFS	1F1059	0.050000	0.050000		100.00	0.050000
55014AA	EGGS-WHOLE	10 RAW-FRESH OR NFS	1F1059	0.050000	0.050000		100.00	0.050000
55014AA	EGGS-WHOLE	21 COOKED-NFS	1F1059	0.050000	0.050000		100.00	0.050000
55014AA	EGGS-WHOLE	22 COOKED-FRESH-BAKED	1F1059	0.050000	0.050000		100.00	0.050000
55014AA	EGGS-WHOLE	23 COOKED-FRESH-BOILED	1F1059	0.050000	0.050000		100.00	0.050000
55014AA	EGGS-WHOLE	25 COOKED-FRESH-FRIED	1F1059	0.050000	0.050000		100.00	0.050000
55014AB	EGGS-WHITE ONLY	10 RAW-FRESH OR NFS	1F1059	0.050000	0.050000		100.00	0.050000
55014AB	EGGS-WHITE ONLY	21 COOKED-NFS	1F1059	0.050000	0.050000		100.00	0.050000
55014AB	EGGS-WHITE ONLY	22 COOKED-FRESH-BAKED	1F1059	0.050000	0.050000		100.00	0.050000
55014AB	EGGS-WHITE ONLY	62 COOKED-FRESH OR FROZEN-BAKED	1F1059	0.050000	0.050000		100.00	0.050000
55014AB	EGGS-WHITE ONLY	81 COOKED-FROZEN	1F1059	0.050000	0.050000		100.00	0.050000

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ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 328

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Dichlorvos Caswell #328 CAS No. 62-73-7 A.I. CODE: 084001 CFR No. 180.235	2yr feeding- dog NOEL= 0.0800 mg/kg 3.20 ppm LEL= 0.8000 mg/kg 32.00 ppm ONCO: Class B2 (TOX NOTE)	Increased liver weights, enlarged hepatocytes, no effect on CHE activity. Evidence of oncogenicity in rats (pancreas, leuk.) and mice (stomach).	PADI 100 OPP Rfd= 0.000800 EPA Rfd= 0.002500 WHO Rfd 0.004000 Type: ADI	Chronic feeding- rat (Core-Supplementary) Reproduction (Core-Supplementary) Teratology- rat	TOX complete 8/15/86. ORD verified 9/16/86. WHO last reviewed 1977. TOX reassess 7/16/87.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
55014AC	EGGS-YOLK ONLY	10 RAW-FRESH OR NFS	1F1059	0.050000	0.050000		100.00	0.050000
55014AC	EGGS-YOLK ONLY	21 COOKED-NFS	1F1059	0.050000	0.050000		100.00	0.050000
55014AC	EGGS-YOLK ONLY	25 COOKED-FRESH-FRIED	1F1059	0.050000	0.050000		100.00	0.050000
55014AC	EGGS-YOLK ONLY	31 COOKED-FRESH OR CANNED	1F1059	0.050000	0.050000		100.00	0.050000
55015BA	CHICKEN-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	1F1059	0.050000	0.050000		100.00	0.050000
55015LA	CHICKEN-ORGAN	21 COOKED-NFS	1F1059	0.050000	0.050000		100.00	0.050000
55015LA	CHICKEN-ORGAN	25 COOKED-FRESH-FRIED	1F1059	0.050000	0.050000		100.00	0.050000
55015LA	CHICKEN-ORGAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	1F1059	0.050000	0.050000		100.00	0.050000
55015MA	CHICKEN-W/O SKIN	21 COOKED-NFS	1F1059	0.050000	0.050000		100.00	0.050000
55015MA	CHICKEN-W/O SKIN	22 COOKED-FRESH-BAKED	1F1059	0.050000	0.050000		100.00	0.050000
55015MA	CHICKEN-W/O SKIN	25 COOKED-FRESH-FRIED	1F1059	0.050000	0.050000		100.00	0.050000
55015MA	CHICKEN-W/O SKIN	31 COOKED-FRESH OR CANNED	1F1059	0.050000	0.050000		100.00	0.050000
55015MA	CHICKEN-W/O SKIN	53 COOKED-CANNED-BOILED	1F1059	0.050000	0.050000		100.00	0.050000
55015MB	CHICKEN+SKIN	21 COOKED-NFS	1F1059	0.050000	0.050000		100.00	0.050000
55015MB	CHICKEN+SKIN	25 COOKED-FRESH-FRIED	1F1059	0.050000	0.050000		100.00	0.050000

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