7-28-94

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

JUL 28 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Cyfluthrin: Dietary Exposure Analysis For The Proposed Use on Various Raw and Processed Agricultural Commodities (PP #973731/9H5574).

FROM: Jennifer M. Wintersteen
Dietary Risk Evaluation Section
Science Analysis Branch/HED (7509C)

TO: George LaRocca/John Hebert, PM Team 13
Insecticide-Rodenticide Branch
Registration Division (7505C)

THROUGH: William L. Burnam, Chief
Science Analysis Branch
Health Effects Division

Action Requested

Provide an estimate of chronic dietary exposure from the proposed use of cyfluthrin on carrots, peppers, radishes, tomato, meat, milk, poultry and eggs using the Dietary Risk Evaluation System (DRES).

Discussion

1. Toxicological Endpoint: The DRES chronic exposure analysis used a Reference Dose (RfD) of 0.025 mg/kg bwt/day, based on a No Observed Effect Level (NOEL) of 2.5 mg/kg bwt/day and an uncertainty factor of 100. The NOEL was determined in a two-year rat feeding study. The endpoint effects of concern were decreased body weights and inflammation of the kidneys at 6.2 mg/kg bwt/day. The RfD has been approved by the HED RfD committee [3/14/86].

2. Residue Information: Food uses evaluated were published tolerances in TIS and 40 CFR §180.436, food additive tolerances from 40 CFR §185.1250, and the proposed tolerances on carrots (0.2 ppm), peppers (0.5 ppm), radishes (1.0 ppm), tomatoes (0.2 ppm), tomato concentrated products (0.5 ppm), meat (0.4 ppm), milk (0.08 ppm in whole milk and 2.5 ppm in milk fat), poultry (0.01 ppm) and eggs (0.01 ppm) [J. Morales memo, 7/1/94].

Because a published tolerance for use of cyfluthrin in food handling establishments has been previously applied to all raw agricultural commodities (racs) in DRES, the proposed tolerances were assessed in terms of the additional exposure and risk they

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contributed. For example, the proposed tolerance of 1.0 ppm on radishes is found in DRES as one entry at 0.05 ppm listed as published for the food handling establishment tolerance and a second entry at 0.95 ppm listed as new to the file. For the racs poultry and eggs, the food handling establishment tolerance (0.05 ppm) is higher than the proposed new tolerance (0.01 ppm). The tolerance in the DRES file was not changed for these raw agricultural commodities. A summary of the residue information used in the analysis is attached as Table 1.

3. Exposure Analysis: The chronic exposure analysis uses tolerance level residues and 100 percent crop treated to estimate the Theoretical Maximum Residue Contribution (TMRC) for all DRES subgroups. TMRC summaries are shown in Tables 2 and 3. The TMRCs from both published and proposed uses for the U.S. general population and the most highly exposed subgroup are listed below.

Subgroup	Exposure (mg/kg/day)	%RfD
U.S. Population	0.002730	11
Non-nursing Infants	0.008044	32

As low as these exposure estimates are they may still overestimate risk because they assume that all food commodities in commerce contain residues of cyfluthrin, and at the maximum legal level. Most of the tolerances are food-handling establishment tolerances and it is not likely that 100% of food commodities consumed actually pass through these facilities nor receive cyfluthrin residues while they are there.

Estimates for meat and milk exposure alone contributes 0.0017355 mg/kg/day, or 7% of the RfD. The exposure from meat (meat, meat byproducts and fat from cattle, goats, sheep, hogs and horse) alone contributes 0.0008928 mg/kg/day, or 4% of the RfD. Exposure from milk contributes 0.0008427 mg/kg/day, representing 3% of the RfD.

There are no obvious chronic dietary risk problems created by the establishment of the proposed tolerances on carrots, peppers, radishes, tomato, meat, milk, poultry and eggs at levels recommended by CBTS.

Attachments

cc: DRES
CBTS (J. Morales)
Toxicology Branch II
Caswell File #266E

Table 1: Cyfluthrin Dietary Exposure Analysis

CHEMICAL INFORMATION FOR CASWELL NUMBER 266E

DATE: 07/26/94 PAGE:1

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Cyfluthrin (Baythroid) Caswell #266E CAS No. 68359-37-5 A.I. CODE: 128831 CFR No. 180.436 185.1250	2yr feeding- rat NOEL= 2.5000 mg/kg 50.00 ppm LEL= 6.2000 mg/kg 150.00 ppm ONCO: Negative- 2 species.	Decreased body weights; inflammation of kidney. Doses based on food consumption. No evidence of oncogenicity in rats or mice.	PADI UF -->100 OPP RfD= 0.025000 EPA RfD= 0.025000	Developmental tox- rabbit (core supplementary)	HED complete 03/14/86 EPA verified 04/08/86 WHO last reviewed 1987 On IRIS.

FOOD CODE	FOOD NAME	PETITION NUMBER	TOLERANCE (PPM) NEW	PENDING	PUBLISHED
01002AA	BLACKBERRIES	6H5515			0.050000
01003AA	BOYSENBERRIES	6H5515			0.050000
01004AA	DEWBERRIES	6H5515			0.050000
01005AA	LOGANBERRIES	6H5515			0.050000
01006AA	RASPBERRIES	6H5515			0.050000
01007AA	YOUNGBERRIES	6H5515			0.050000
01009AA	BLUEBERRIES	6H5515			0.050000
01010AA	CRANBERRIES	6H5515			0.050000
01010JA	CRANBERRIES-JUICE	6H5515			0.050000H
01011AA	CURRANTS	6H5515			0.050000
01012AA	ELDERBERRIES	6H5515			0.050000
01013AA	GOOSEBERRIES	6H5515			0.050000
01014AA	GRAPES-FRESH	6H5515			0.050000
01014DA	GRAPES-RAISINS	6H5515			0.050000H
01014JA	GRAPES-JUICE	6H5515			0.050000H
01015AA	HUCKLEBERRIES (GAYLUSSACIA)	6H5515			0.050000
01016AA	STRAWBERRIES	6H5515			0.050000
01024AA	JUNEBERRY	6H5515			0.050000
01025AA	MULBERRIES	6H5515			0.050000
02001AA	CITRUS CITRON	6H5515			0.050000
02002AA	GRAPEFRUIT-UNSPECIFIED	6H5515			0.050000
02002AB	GRAPEFRUIT-PULP	6H5515			0.050000
02002JA	GRAPEFRUIT-JUICE	6H5515			0.050000H
02003AA	KUMQUATS	6H5515			0.050000
02004AA	LEMONS-UNSPECIFIED	6H5515			0.050000
02004AB	LEMONS-PULP	6H5515			0.050000
02004HA	LEMONS-PEEL	6H5515			0.050000
02004JA	LEMONS-JUICE	6H5515			0.050000H
02005AA	LIMES-UNSPECIFIED	6H5515			0.050000
02005AB	LIMES-PULP	6H5515			0.050000
02005HA	LIMES-PEEL	6H5515			0.050000
02005JA	LIMES-JUICE	6H5515			0.050000H
02006AA	ORANGES-UNSPECIFIED	6H5515			0.050000
02006AB	ORANGES-PULP	6H5515			0.050000
02006HA	ORANGES-PEEL	6H5515			0.050000
02006JA	ORANGES-JUICE	6H5515			0.050000H
02007AA	TANGELOS	6H5515			0.050000
02008AA	TANGERINES	6H5515			0.050000
02008JA	TANGERINE-JUICE	6H5515			0.050000H
03001AA	ALMONDS	6H5515			0.050000

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Table 1: Cyfluthrin Dietary Exposure Analysis

CHEMICAL INFORMATION FOR CASWELL NUMBER 266E

DATE: 07/26/94 PAGE:3

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Cyfluthrin (Baythroid) Caswell #266E CAS No. 68359-37-5 A.I. CODE: 128831 CFR No. 180.436 185.1250	2yr feeding- rat NOEL= 2.5000 mg/kg 50.00 ppm LEL= 6.2000 mg/kg 150.00 ppm ONCO: Negative- 2 species.	Decreased body weights; inflammation of kidney. Doses based on food consumption. No evidence of oncogenicity in rats or mice.	PADI UF -->100 OPP RfD= 0.025000 EPA RfD= 0.025000	Developmental tox- rabbit (core supplementary)	HED complete 03/14/86 EPA verified 04/08/86 WHO last reviewed 1987 On IRIS.

FOOD CODE	FOOD NAME	PETITION NUMBER	TOLERANCE (PPM) NEW	PENDING	PUBLISHED
06008AA	LOQUATS	6H5515			0.050000
06009AA	OLIVES	6H5515			0.050000
06010AA	PAPAYAS-UNSPECIFIED	6H5515			0.050000
06010AB	PAPAYAS-PULP	6H5515			0.050000
06010DA	PAPAYAS-DRIED	6H5515			0.050000H
06010JA	PAPAYAS-JUICE	6H5515			0.050000H
06011AA	PAWPAWS	6H5515			0.050000
06012AA	PERSIMMONS	6H5515			0.050000
06013AA	PINEAPPLE-FRESH,PULP	6H5515			0.050000
06013DA	PINEAPPLE-DRIED	6H5515			0.050000H
06013JA	PINEAPPLE-FRESH,JUICE	6H5515			0.050000H
06014AA	PASSION FRUIT (GRANADILLA)	6H5515			0.050000
06015AA	POMEGRANATES	6H5515			0.050000
06016AA	PLANTAINS	6H5515			0.050000
06017AA	LYCHEES (LITCHI)	6H5515			0.050000
06017DA	LYCHEE-DRIED	6H5515			0.050000H
06018AA	KIWI	6H5515			0.050000
06020AA	ACEROLA	6H5515			0.050000
06021AA	GINKGO NUTS	6H5515			0.050000
06022AA	MANEY (MAMMEE APPLE)	6H5515			0.050000
06023AA	PITANGA (SURINAM CHERRY)	6H5515			0.050000
06024AA	SOURSOP (ANNONA MURICATA)	6H5515			0.050000
06025AA	SUGAR APPLES (SWEETSOP)	6H5515			0.050000
06026AA	BREAD FRUIT	6H5515			0.050000
06027AA	BREAD NUTS	6H5515			0.050000
06029AA	CARAMBOLA	6H5515			0.050000
06030AA	CHERIMOYA	6H5515			0.050000
06031AA	LONGAN FRUIT	6H5515			0.050000
06033AA	GENIP (SPANISH LIME)	6H5515			0.050000
07001FA	COCOA BUTTER	6H5515			0.050000
07001SA	CHOCOLATE	6H5515			0.050000
07002AA	COFFEE	6H5515			0.050000
07003AA	TEA	6H5515			0.050000
07006AA	CHICORY	6H5515			0.050000
08004AA	ANICE	6H5515			0.050000
08006AA	BASIL	6H5515			0.050000
08007AA	CARRAWAY	6H5515			0.050000
08008AA	CASSIA	6H5515			0.050000
08011AA	CINNAMON	6H5515			0.050000
08012AA	CLOVE	6H5515			0.050000

Table 1: Cyfluthrin Dietary Exposure Analysis

CHEMICAL INFORMATION FOR CASWELL NUMBER 266E

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Cyfluthrin (Baythroid) Caswell #266E CAS No. 68359-37-5 A.I. CODE: 128831 CFR No. 180.436 185.1250	2yr feeding- rat NOEL= 2.5000 mg/kg 50.00 ppm LEL= 6.2000 mg/kg 150.00 ppm ONCO: Negative- 2 species.	Decreased body weights; inflammation of kidney. Doses based on food consumption. No evidence of oncogenicity in rats or mice.	PADI UF -->100 OPP RfD= 0.025000 EPA RfD= 0.025000	Developmental tox- rabbit (core supplementary)	HED complete 03/14/86 EPA verified 04/08/86 WHO last reviewed 1987 On IRIS.

FOOD CODE	FOOD NAME	PETITION NUMBER	TOLERANCE (PPM) NEW	PENDING	PUBLISHED
11003AD	PEPPERS-OTHER	9F3731	0.450000		
11004AA	PIMIENTOS	6H5515			0.050000
11004AA	PIMIENTOS	9F3731	0.450000		
11005AA	TOMATOES-WHOLE	6H5515			0.050000
11005AA	TOMATOES-WHOLE	9F3731	0.150000		
11005JA	TOMATOES-JUICE	6H5515			0.050000H
11005JA	TOMATOES-JUICE	9F3731	0.450000		H
11005RA	TOMATOES-PUREE	6H5515			0.050000H
11005RA	TOMATOES-PUREE	9F3731	0.450000		H
11005TA	TOMATOES-PASTE	6H5515			0.050000H
11005TA	TOMATOES-PASTE	9F3731	0.450000		H
11005UA	TOMATOES-CATSUP	6H5515			0.050000H
11005UA	TOMATOES-CATSUP	9F3731	0.450000		H
11006AA	GROUNDCHERRIES (POHA/CAPE-GOOSEBERRIES)	6H5515			0.050000
13001AA	BEETS-TOPS(GREENS)	6H5515			0.050000
13002AA	CELERY	6H5515			0.050000
13003AA	CHICORY (FRENCH OR BELGIAN ENDIVE)	6H5515			0.050000
13005AA	BROCCOLI	6H5515			0.050000
13006AA	BRUSSEL SPROUTS	6H5515			0.050000
13007AA	CABBAGE-GREEN AND RED	6H5515			0.050000
13008AA	CAULIFLOWER	6H5515			0.050000
13009AA	COLLARDS	6H5515			0.050000
13010AA	CABBAGE-CHINESE/CELERY, INC. BOK CHOY	6H5515			0.050000
13011AA	KALE	6H5515			0.050000
13012AA	KOHLRABI	6H5515			0.050000
13013AA	LETTUCE-LEAFY VARIETIES	6H5515			0.050000
13014AA	DANDELION	6H5515			0.050000
13015AA	ENDIVE,CURLEY AND ESCAROLE	6H5515			0.050000
13016AA	FENNEL	6H5515			0.050000
13017AA	CRESS,GARDEN,FIELD	6H5515			0.050000
13018AA	ARTICHOKES-GLOBE	6H5515			0.050000
13020AA	LETTUCE-UNSPECIFIED	6H5515			0.050000
13021AA	MUSTARD GREENS	6H5515			0.050000
13022AA	PARSLEY	6H5515			0.050000
13023AA	RHUBARB	6H5515			0.050000
13024AA	SPINACH	6H5515			0.050000
13025AA	SWISS CHARD	6H5515			0.050000
13026AA	TURNIPS-TOPS	6H5515			0.050000
13027AA	WATERCRESS	6H5515			0.050000
13034AA	TARO-GREENS	6H5515			0.050000
13039AA	CRESS,UPLAND	6H5515			0.050000

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Table 1: Cyfluthrin Dietary Exposure Analysis

CHEMICAL INFORMATION FOR CASWELL NUMBER 266E

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Cyfluthrin (Baythroid) Caswell #266E CAS No. 68359-37-5 A.I. CODE: 128831 CFR No. 180.436 185.1250	2yr feeding- rat NOEL= 2.5000 mg/kg 50.00 ppm LEL= 6.2000 mg/kg 150.00 ppm ONCO: Negative- 2 species.	Decreased body weights; inflammation of kidney. Doses based on food consumption. No evidence of oncogenicity in rats or mice.	PADI UF -->100 OPP RfD= 0.025000 EPA RfD= 0.025000	Developmental tox- rabbit (core supplementary)	HED complete 03/14/86 EPA verified 04/08/86 WHO last reviewed 1987 On IRIS.

FOOD CODE	FOOD NAME	PETITION NUMBER	TOLERANCE (PPM) NEW	PENDING	PUBLISHED
15001AC	BEANS-DRY-LIMA	6H5515			0.050000
15001AD	BEANS-DRY-NAVY (PEA)	6H5515			0.050000
15001AE	BEANS-DRY-OTHER	6H5515			0.050000
15001AF	BEANS-DRY-PINTO	6H5515			0.050000
15002AA	BEANS-SUCCULENT-LIMA	6H5515			0.050000
15003AA	BEANS-SUCCULENT-GREEN	6H5515			0.050000
15003AB	BEANS-SUCCULENT-OTHER	6H5515			0.050000
15003AC	BEANS-SUCCULENT-YELLOW,WAX	6H5515			0.050000
15004AA	CORN,POP	6H5515			0.050000
15005AA	CORN,SWEET	6H5515			0.050000
15006AA	PEANUTS-WHOLE	6H5515			0.050000
15007AA	PEAS(GARDEN)-MATURE SEEDS,DRY	6H5515			0.050000
15009AA	PEAS(GARDEN)-GREEN IMMATURE	6H5515			0.050000
15011AA	LENTILES-WHOLE	6H5515			0.050000
15011AB	LENTILES-SPLIT	6H5515			0.050000
15013AA	MUNG BEANS (SPROUTS)	6H5515			0.050000
15015AA	OKRA	6H5515			0.050000
15018AA	SUNFLOWER-SEEDS	6H5515			0.050000
15020AA	CAROB	6H5515			0.050000
15021AA	ALFALFA SPROUTS	6H5515			0.050000
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED)	6H5515			0.050000
15022AB	BEANS-SUCCULENT-BROADBEANS(IMMAT. SEED)	6H5515			0.050000
15023AA	BEANS-DRY-PIGEON BEANS	6H5515			0.050000
15026AA	SESAME SEEDS	6H5515			0.050000
15027AA	BEANS-UNSPECIFIED	6H5515			0.050000
15028AA	PINENUTS	6H5515			0.050000
15029AA	SOYBEANS-SPROUTED SEEDS	6H5515			0.050000H
15030AA	BEANS-DRY-HYACINTH(MATURE SEEDS)	6H5515			0.050000
15030AB	BEANS-SUCCULENT-HYACINTH(YOUNG PODS)	6H5515			0.050000
15031AA	BEANS-DRY-BLACKEYE PEAS(COWPEAS)	6H5515			0.050000
15032AA	BEANS-DRY-GARBANZO(CHICK PEA)	6H5515			0.050000
16002AA	ASPARAGUS	6H5515			0.050000
16003AA	MUSHROOMS	6H5515			0.050000
16004AA	ONIONS-GREEN	6H5515			0.050000
16007AA	POKE GREENS	6H5515			0.050000
16008AA	BAMBOO SHOOTS	6H5515			0.050000
24001AA	BARLEY	6H5515			0.050000
24002EA	CORN,GRAIN-ENDOSPERM	6H5515			0.050000
24002HA	CORN,GRAIN-BRAN	6H5515			0.050000
24002SA	CORN SUGAR	6H5515			0.050000H

Table 1: Cyfluthrin Dietary Exposure Analysis

CHEMICAL INFORMATION FOR CASWELL NUMBER 266E

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Cyfluthrin (Baythroid) Caswell #266E CAS No. 68359-37-5 A.I. CODE: 128831 CFR No. 180.436 185.1250	2yr feeding- rat NOEL= 2.5000 mg/kg 50.00 ppm LEL= 6.2000 mg/kg 150.00 ppm ONCO: Negative- 2 species.	Decreased body weights; inflammation of kidney. Doses based on food consumption. No evidence of oncogenicity in rats or mice.	PADI UF -->100 OPP RfD= 0.025000 EPA RfD= 0.025000	Developmental tox- rabbit (core supplementary)	HED complete 03/14/86 EPA verified 04/08/86 WHO last reviewed 1987 On IRIS.

FOOD CODE	FOOD NAME	PETITION NUMBER	TOLERANCE (PPM) NEW	PENDING	PUBLISHED
28040AA	SEEDS(PUMPKIN,PSYLLIUM,CHIA,APRICOT,ETC)	6H5515			0.050000
28080AA	PEPPERMINT	6H5515			0.050000
28080OA	PEPPERMINT-OIL	6H5515			0.050000
28081AA	SPEARMINT	6H5515			0.050000
28081OA	SPEARMINT-OIL	6H5515			0.050000
43057AA	VINEGAR	6H5515			0.050000
43058AA	WINE AND SHERRY	6H5515			0.050000
43059AA	DISTILLED ALCOHOL	6H5515			0.050000
43060AA	GELATIN	6H5515			0.050000
50000DB	MILK-NON-FAT SOLIDS	6H5515			0.050000
50000DB	MILK-NON-FAT SOLIDS	9F3731	0.030000		
50000FA	MILK-FAT SOLIDS	6H5515			0.050000
50000FA	MILK-FAT SOLIDS	9F3731	0.030000		
50000SA	MILK SUGAR (LACTOSE)	6H5515			0.050000
50000SA	MILK SUGAR (LACTOSE)	9F3731	0.030000		
53001BA	BEEF-MEAT BYPRODUCTS	4F3046			0.050000
53001BA	BEEF-MEAT BYPRODUCTS	9F3731	0.350000		
53001BB	BEEF(ORGAN MEATS)-OTHER	4F3046			0.050000
53001BB	BEEF(ORGAN MEATS)-OTHER	9F3731	0.350000		
53001DA	BEEF-DRIED	4F3046			0.050000
53001DA	BEEF-DRIED	9F3731	0.350000		
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)	4F3046			0.050000
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)	9F3731	0.350000		
53001KA	BEEF(ORGAN MEATS)-KIDNEY	4F3046			0.050000
53001KA	BEEF(ORGAN MEATS)-KIDNEY	9F3731	0.350000		
53001LA	BEEF(ORGAN MEATS)-LIVER	4F3046			0.050000
53001LA	BEEF(ORGAN MEATS)-LIVER	9F3731	0.350000		
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVEABLE FAT)	4F3046			0.050000
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVEABLE FAT)	9F3731	0.350000		
53002BA	GOAT-MEAT BYPRODUCTS	4F3046			0.050000
53002BA	GOAT-MEAT BYPRODUCTS	9F3731	0.350000		
53002BB	GOAT(ORGAN MEATS)-OTHER	4F3046			0.050000
53002BB	GOAT(ORGAN MEATS)-OTHER	9F3731	0.350000		
53002FA	GOAT(BONELESS)-FAT	4F3046			0.050000
53002FA	GOAT(BONELESS)-FAT	9F3731	0.350000		
53002KA	GOAT(ORGAN MEATS)-KIDNEY	4F3046			0.050000
53002KA	GOAT(ORGAN MEATS)-KIDNEY	9F3731	0.350000		
53002LA	GOAT(ORGAN MEATS)-LIVER	4F3046			0.050000
53002LA	GOAT(ORGAN MEATS)-LIVER	9F3731	0.350000		
53002MA	GOAT(BONELESS)-LEAN (W/O REMOVEABLE FAT)	4F3046			0.050000

Table 1: Cyfluthrin Dietary Exposure Analysis

CHEMICAL INFORMATION FOR CASWELL NUMBER 266E

DATE: 07/26/94 PAGE:11

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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FOOD CODE	FOOD NAME	PETITION NUMBER	TOLERANCE (PPM) NEW	PENDING	PUBLISHED
55013BA	POULTRY,OTHER-BYPRODUCTS	6H5515			0.050000
55013LA	POULTRY,OTHER-GIBLETS(LIVER)	6H5515			0.050000
55013MA	POULTRY,OTHER-FLESH (+SKIN,W/O BONES)	6H5515			0.050000
55014AA	EGGS-WHOLE	6H5515			0.050000
55014AB	EGGS-WHITE ONLY	6H5515			0.050000
55014AC	EGGS-YOLK ONLY	6H5515			0.050000
55015BA	CHICKEN-BYPRODUCTS	6H5515			0.050000
55015LA	CHICKEN-GIBLETS(LIVER)	6H5515			0.050000
55015MA	CHICKEN-FLESH(W/O SKIN,W/O BONES)	6H5515			0.050000
55015MB	CHICKEN-FLESH(+SKIN,W/O BONES)	6H5515			0.050000

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Table 3: Dietary Risk Evaluation for Cyfluthrin

TOLERANCE ASSESSMENT SUMMARY FOR Cyfluthrin (Baythroid) DATE: 07/28/94
CASWELL #266E

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

EXISTING TOLERANCES (PUBLISHED ONLY)		
RESULT IN A TMRC OF:	0.001378	MG/KG/DAY
THE EXISTING TMRC IS EQUIVALENT TO:	5.510	% OF THE ADI.
PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY)		
RESULT IN A TMRC OF:	0.001352	MG/KG/DAY
THESE NEW TOLERANCES WILL OCCUPY:	5.408	% OF THE ADI.
IF THE NEW TOLERANCES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT TMRC WILL BE:	0.002730	MG/KG/DAY
THE NEW TMRC WILL OCCUPY	10.918	% 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:	0.004983	MG/KG/DAY
THE EXISTING TMRC IS EQUIVALENT TO:	19.930	% OF THE ADI.
PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY)		
RESULT IN A TMRC OF:	0.003061	MG/KG/DAY
THESE NEW TOLERANCES WILL OCCUPY:	12.242	% OF THE ADI.
IF THE NEW TOLERANCES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT TMRC WILL BE:	0.008044	MG/KG/DAY
THE NEW TMRC WILL OCCUPY	32.172	% OF THE ADI.

NO OTHER PENDING TOLERANCES ARE IN THE FILE