



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

PMSD

1596

JUN 3 1987

EXPEDITE

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: TAS Analysis of Tolerance Requests for Banner/Tilt
Using Anticipated Residues.
PP #4F3074, 4F3007, and 4E3026.

TO: Lois Rossi (21)
Registration Division (TS-767)

FROM: D. Stephen Saunders, Ph.D. DSS 6/3/87
Program Manager, Tolerance Assessment Program
RCB/HED (TS-769C)

THRU: Charles L. Trichilo, Ph.D.
Chief, Residue Chemistry Branch
Hazard Evaluation Division (TS-769C)

Action Requested

Provide an analysis of the dietary impact of the requested tolerances for small grains, pecans, meat, milk and eggs, and bananas using anticipated residues rather than tolerances to calculate oncogenic risk.

Discussion

1. The Reference Dose (ADI, RFD) used in the analysis was 0.02 mg/kg/day, based on a NOEL of 1.9 mg/kg/day obtained in a 1 year feeding study in dogs, with an Uncertainty Factor of 100. This value has been verified by the Toxicology Branch ADI Committee.

In addition, this compound has been identified as an oncogen in mice, and has been classified as a Category C oncogen by the Toxicology Branch Peer Review Committee. The upper bound potency estimate (Q*) obtained in this study was 7.87×10^{-2} (personal communication, R. Levy).

2. The tolerances evaluated in this analysis have been evaluated in RCB (memo S. Malak to L. Rossi, 5-14-87). The residue values used in the analysis were those identified in the RCB memo of 5-14-87 as appropriate for these uses, rather than the values proposed by the Registrant.

2. (con't) In addition, anticipated residues (ARs) were used to calculate dietary exposure and risk. These ARs were derived from field residue data, processing data (wheat) and percent of crop treated. A listing of these residues is appended in Table 1. The attached memorandum from Dr. Karl Arne of RCB describes the method and rationale by which the values were calculated.

3. Evaluation of proposed uses relative to the ADI: If all pending uses are approved, the TMRC (based on tolerances only) for the U.S. population average will be 0.0011 mg/kg/day, equivalent to 5.3% of the ADI. Among the subgroups considered susceptible to a chronic toxicity effect, the highest calculated exposure was for children 1-6 years old (0.0027 mg/kg/day, equivalent to 13.5% of the ADI).

Incorporation of ARs results in an Anticipated Residue Contribution (ARC) of 0.00017 mg/kg/day for the U.S. Population average (equivalent to 0.8% of the ADI). The corresponding value for children 1-6 years old is 0.00044 mg/kg/day, equivalent to 2.2% of the ADI.

4. Calculation of oncogenic risk: Risk was calculated only for the U.S. Population average, in accordance with current HED policy. This value was calculated by the relationship:

$$\text{Risk} = \text{Exposure} \times Q^*$$

For all pending tolerances, the risk (calculated on the basis of the TMRC) was:

$$0.0011 \times (7.87 \times 10^{-2}) = \underline{8.7 \times 10^{-5}}.$$

The breakdown by commodity group is as follows:

$$\text{Small grains:} \quad 0.00016 \times (7.87 \times 10^{-2}) = \underline{1.3 \times 10^{-5}}.$$

$$\text{Meat, milk, eggs:} \quad 0.00086 \times (7.87 \times 10^{-2}) = \underline{6.8 \times 10^{-5}}.$$

$$\text{Pecans:} \quad (5 \times 10^{-7}) \times (7.87 \times 10^{-2}) = \underline{3.9 \times 10^{-8}}.$$

$$\text{Bananas:} \quad 0.000046 \times (7.87 \times 10^{-2}) = \underline{3.6 \times 10^{-6}}.$$

Calculation of risk based on anticipated residues rather than tolerances results in the following estimates of risk:

All uses: $0.00017 \times (7.87 \times 10^{-2}) = \underline{1.3 \times 10^{-5}}.$

Small grains: $0.00001 \times (7.87 \times 10^{-2}) = \underline{9.0 \times 10^{-7}}.$

Meat, milk, eggs: $0.00014 \times (7.87 \times 10^{-2}) = \underline{1.1 \times 10^{-5}}.$

Pecans: $(5 \times 10^{-7}) \times (7.87 \times 10^{-2}) = \underline{3.9 \times 10^{-8}}.$

Bananas: $0.00001 \times (7.87 \times 10^{-2}) = \underline{9.0 \times 10^{-7}}.$

ATTACHMENT

cc: TAS file
Reading file
C. Frick
Banner/Tilt SF
Toxicology Branch
circ.
PMSD

TABLE 1

LISTING OF TOLERANCES AND ANTICIPATED RESIDUES
INCLUDING PERCENT OF CROP TREATED DATA

FOOD CODE FOOD NAME	PET. #	TOLERANCE (ppm)	ANTICIPATED AR RESIDUE (ppm) TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
** CROP GROUP R					
03008AA PECANS	4F3007	0.1000	0.0000 NONE	100.00	0.1000
** CROP GROUP A					
06002AA BANANAS-UNSPECIFIED	4E3026	0.2000	0.0500 MEAN	100.00	0.0500
06002AB BANANAS-FRESH	4E3026	0.2000	0.0500 MEAN	100.00	0.0500
06002DA BANANAS-DRIED	4E3026	0.2000	0.0500 MEAN	100.00	0.0500
** CRBP GROUP O					
24001AA BARLEY	4F3074	0.1000	0.0500 SOM	100.00	0.0500
24004AA RICE-ROUGH	4F3074	0.1000	0.0500 SOM	100.00	0.0500
24004AB RICE-MILLED	4F3074	0.1000	0.0500 SOM	100.00	0.0500
24005AA RYE-ROUGH	4F3074	0.1000	0.0500 SOM	100.00	0.0500
24005GA RYE-GERM	4F3074	0.1000	0.0500 SOM	100.00	0.0500
24005MA RYE-FLOUR	4F3074	0.1000	0.0500 SOM	100.00	0.0500
24007AA WHEAT-ROUGH	4F3074	0.1000	0.0500 SOM	2.00	0.0010
24007GA WHEAT-GERM	4F3074	0.1000	0.0500 SOM	2.00	0.0010
24007HA WHEAT-BRAN	4F3074	0.1000	0.0500 SOM	2.00	0.0010
24007MA WHEAT-FLOUR	4F3074	0.1000	0.0100 PROCESSING	2.00	0.0002
** CROP GROUP X					
500000B MILK-NON-FAT SOLIDS	4F3074	0.0500	0.0100 EXTRAPOLATED	100.00	0.0100
50000FA MILK-FAT SOLIDS	4F3074	0.0500	0.0100 EXTRAPOLATED	100.00	0.0100
50000SA MILK SUGAR (LACTOSE)	4F3074	0.0500	0.0100 EXTRAPOLATED	100.00	0.0100
** CROP GROUP U					
53001BA BEEF-MEAT BYPRODUCTS	4F3074	0.1000	0.0100 EXTRAPOLATED	100.00	0.0100
53001BB BEEF(ORGAN MEATS)-OTHER	4F3074	0.1000	0.0100 EXTRAPOLATED	100.00	0.0100

TABLE 1 (CON'T.)

LISTING OF TOLERANCES AND ANTICIPATED RESIDUES
INCLUDING PERCENT OF CROP TREATED DATA

FOOD CODE	FOOD NAME	PET. #	TOLERANCE (ppm)	ANTICIPATED AR RESIDUE (ppm)	TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
53001DA	BEEF-DRIED	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53001KA	BEEF(ORGAN MEATS)-KIDNEY	4F3074	0.2000	0.0000	NONE	100.00	0.2000
53001LA	BEEF(ORGAN MEATS)-LIVER	4F3074	0.2000	0.0000	NONE	100.00	0.2000
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVEABLE FAT)	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53002BA	GOAT-MEAT BYPRODUCTS	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53002BB	GOAT(ORGAN MEATS)-OTHER	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53002FA	GOAT(BONELESS)-FAT	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53002KA	GOAT(ORGAN MEATS)-KIDNEY	4F3074	0.2000	0.0000	NONE	100.00	0.2000
53002LA	GOAT(ORGAN MEATS)-LIVER	4F3074	0.2000	0.0000	NONE	100.00	0.2000
53002MA	GOAT(BONELESS)-LEAN (W/O REMOVEABLE FAT)	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53003AA	HORSE	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53005BA	SHEEP-MEAT BYPRODUCTS	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53005BB	SHEEP(ORGAN MEATS)-OTHER	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53005FA	SHEEP(BONELESS)-FAT	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53005KA	SHEEP(ORGAN MEATS)-KIDNEY	4F3074	0.2000	0.0000	NONE	100.00	0.2000
53005LA	SHEEP(ORGAN MEATS)-LIVER	4F3074	0.2000	0.0000	NONE	100.00	0.2000
53005MA	SHEEP(BONELESS)-LEAN (W/O REMOVEABLE FAT)	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53006BA	PORK-MEAT BYPRODUCTS	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53006BB	PORK(ORGAN MEATS)-OTHER	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
53006FA	PORK(BONELESS)-FAT (INCLUDING LARD)	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100

TABLE 1 (CON'T.)

LISTING OF TOLERANCES AND ANTICIPATED RESIDUES
INCLUDING PERCENT OF CROP TREATED DATA

FOOD CODE	FOOD NAME	PET. #	TOLERANCE (ppm)	ANTICIPATED AR RESIDUE (ppm)	TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
53006KA	PORK(ORGAN MEATS)-KIDNEY	4F3074	0.2000	0.0000	NONE	100.00	0.2000
53006LA	PORK(ORGAN MEATS)-LIVER	4F3074	0.2000	0.0000	NONE	100.00	0.2000
53006MA	PORK(BONELESS)-LEAN (W/O REMOVEABLE FAT)	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
** CROP GROUP V							
55008BA	TURKEY-BYPRODUCTS	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
55008LA	TURKEY-GIBLETS (LIVER)	4F3074	0.2000	0.0100	EXTRAPOLATED	100.00	0.0100
55008MA	TURKEY-FLESH(W/O SKIN, W/O BONES)	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
55008MB	TURKEY-FLESH(+SKIN, W/O BONES)	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
55008MC	TURKEY-UNSPECIFIED	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
55013BA	POULTRY, OTHER-BYPRODUCTS	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
55013LA	POULTRY, OTHER-GIBLETS(LIVER)	4F3074	0.2000	0.0100	EXTRAPOLATED	100.00	0.0100
55013MA	POULTRY, OTHER-FLESH (+SKIN, W/O BONES)	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
** CROP GROUP X							
55014AA	EGGS-WHOLE	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
55014AB	EGGS-WHITE ONLY	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
55014AC	EGGS-YOLK ONLY	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
** CROP GROUP V							
55015BA	CHICKEN-BYPRODUCTS	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
55015LA	CHICKEN-GIBLETS(LIVER)	4F3074	0.2000	0.0100	EXTRAPOLATED	100.00	0.0100
55015MA	CHICKEN-FLESH(W/O SKIN, W/O BONES)	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100
55015MB	CHICKEN-FLESH(+SKIN, W/O BONES)	4F3074	0.1000	0.0100	EXTRAPOLATED	100.00	0.0100

ROUTINE CHRONIC ANALYSIS INCLUDING AR'S

ALL STATISTICS BASED ON INDIVIDUALS' 3-DAY AVERAGE CONSUMPTION

18:04 MONDAY, JUNE 1, 1987 1

 *NAME: TILT
 *CASSELL NO: 323EE CFR NO: CFR
 *CAS NO: 60207-90-1 SHAUGHNESSY NO: 122101 B 00000.0060 000240.000 002000 Subchronic
 *STATUS CODES:
 *RDV INFO: The ADI value used in this analysis is 00000.0200 MG/KG of BODY WEIGHT/DAY (Study A - Provisional)
 *FILE INFO: Published & New Action Tolerance Data Are Used--Without User Modifications.
 *AR DATA: No User Modifications

 SUMMARY BY POPULATION SUBGROUP

TOTAL RESIDUE ADJUSTED FOR BODY WEIGHT					EFFECT OF ANTICIPATED RESIDUE(AR)	
	TMRC (EXCLUDES AR'S)	ARC (INCLUDES AR'S)	TMRC AS PERCENT OF RDV	ARC AS PERCENT OF RDV	DIFFERENCE AS PERCENT OF TMRC	DIFFERENCE AS PERCENT OF RDV
U.S. POP.--48 STATES--ALL SEASONS	0.001071	0.000167	5.355	0.834	-84.426	-4.521
U.S. POPULATION--SPRING SEASON	0.001026	0.000158	5.128	0.789	-84.616	-4.339
U.S. POPULATION--SUMMER SEASON	0.001062	0.000166	5.312	0.830	-84.367	-4.482
U.S. POPULATION--FALL SEASON	0.001106	0.000173	5.530	0.867	-84.332	-4.664
U.S. POPULATION--WINTER SEASON	0.001090	0.000170	5.452	0.850	-84.401	-4.602
NORTHEAST REGION	0.001103	0.000174	5.517	0.870	-84.238	-4.647
NORTH CENTRAL REGION	0.001086	0.000167	5.432	0.835	-84.635	-4.597
SOUTHERN REGION	0.000988	0.000150	4.938	0.752	-84.764	-4.186
WESTERN REGION	0.001150	0.000185	5.750	0.927	-83.876	-4.823
HISPANICS	0.001353	0.000226	6.764	1.131	-83.279	-5.633
NON-HISPANIC WHITES	0.001057	0.000163	5.285	0.815	-84.582	-4.470
NON-HISPANIC BLACKS	0.001008	0.000158	5.039	0.788	-84.356	-4.251
NON HISPANICS OTHER THAN BLACKS & WHITES	0.001259	0.000219	6.295	1.093	-82.632	-5.202
NURSING INFANTS (<1 YEAR OLD)	0.001186	0.000241	5.929	1.206	-79.668	-4.724
NON-NURSING INFANTS (<1 YEAR OLD)	0.004116	0.000827	20.582	4.136	-79.905	-16.446
FEMALES(13+, PREGNANT, NOT NURSING)	0.000750	0.000113	3.750	0.564	-84.965	-3.186
FEMALES(13+, NURSING)	0.000919	0.000141	4.593	0.704	-84.665	-3.889
CHILDREN(1-6 YRS)	0.002688	0.000436	13.442	2.178	-83.795	-11.264
CHILDREN(7-12 YRS)	0.001706	0.000265	8.529	1.327	-84.442	-7.202
MALES(13-19 YRS)	0.001151	0.000173	5.756	0.864	-84.996	-4.892
FEMALES(13-19 YRS, NOT PREG. OR NURSING)	0.000891	0.000133	4.455	0.665	-85.075	-3.790
MALES(20+ YRS)	0.000755	0.000113	3.777	0.566	-85.013	-3.211
FEMALES(20+ YRS, NOT PREG. OR NURSING)	0.000637	0.000094	3.183	0.472	-85.177	-2.711

ROUTINE CHRONIC ANALYSIS INCLUDING AR'S

18:04 MONDAY, JUNE 1, 1987 2

***** NAME: PROPIONAZOLE (TILT) CASWELL NO: 323EE CAS NO: 60207-90-1 SHAUGHNESSY NO: 122101 *****

*RFD INFO: The ADI value used in this analysis is 0.0200 MG/KG of BODY WEIGHT/DAY (Study A) * AR DATA: No User Modifications *

***** FILE INFO: Published & New Action Tolerance Data Are Used--Without User Modifications. *****

LIST OF RELEVANT FOODS AND FOOD FORMS FOR U.S. POP.--48 STATES--ALL SEASONS

FOOD CODE	FOOD AND FOOD FORM DESCRIPTION	TOLERANCE : SORC PPM TYPE	AR PPM REF.	RESIDUE CONTRIBUTION : AS % OF RDV	ANTICIPATED RESIDUE EFFECT : AS % OF RDV
060022A	BANANAS--UNSPECIFIED	: N 0.2000	0.0500 F :	0.003	0.001 :
060022B	BANANAS--FRESH	: N 0.2000	0.0500 F :	0.224	0.056 :
060022A	BANANAS--DRIED	: N 0.2000	0.0500 F :	0.002	0.000 :

***GROUP TOTALS--GROUP UNSPECIFIED

: 0.229 0.057 : -3.208 -0.172

24001AA	BARLEY	: N 0.1000	0.0500 F :	0.029	0.014 :
24004AA	RICE--ROUGH	: N 0.1000	0.0500 F :	0.002	0.001 :
24004AB	RICE--MILLED	: N 0.1000	0.0500 F :	0.078	0.039 :
24005AA	RYE--ROUGH	: N 0.1000	0.0500 F :	0.000	0.000 :
24005GA	RYE--GERM	: N 0.1000	0.0500 F :	0.000	0.000 :
24005HA	RYE--FLOUR	: N 0.1000	0.0500 F :	0.002	0.001 :
24007AA	WHEAT--ROUGH	: N 0.1000	0.0010 F :	0.070	0.001 :
24007GA	WHEAT--GERM	: N 0.1000	0.0010 F :	0.000	0.000 :
24007HA	WHEAT--BRAN	: N 0.1000	0.0010 F :	0.006	0.000 :
24007MA	WHEAT--FLOUR	: N 0.1000	0.0002 F :	0.629	0.001 :

***GROUP TOTALS--CEREAL GRAINS

: 0.815 0.057 : -14.161 -0.758

03008AA PECANS

: N 0.1000 : 0.002 0.002 : 0.000 0.000

***GROUP TOTALS--TREE NUTS

: 0.002 0.002 : 0.000 0.000

53001BA	BEEF--MEAT BYPRODUCTS	: N 0.1000	0.0100 F :	0.009	0.001 :
53001BB	BEEF(ORGAN MEATS)--OTHER	: N 0.1000	0.0100 F :	0.003	0.000 :
53001DA	BEEF--DRIED	: N 0.1000	0.0100 F :	0.001	0.000 :
53001FA	BEEF(BONELESS)--FAT (BEEF TALLOW)	: N 0.1000	0.0100 F :	0.186	0.019 :
53001KA	BEEF(ORGAN MEATS)--KIDNEY	: N 0.2000	0.0100 F :	0.000	0.000 :
53001LA	BEEF(ORGAN MEATS)--LIVER	: N 0.2000	0.0100 F :	0.021	0.021 :
53001MA	BEEF(BONELESS)--LEAN (W/O REMOVEABLE FAT)	: N 0.1000	0.0100 F :	0.581	0.058 :
53002BA	GOAT--MEAT BYPRODUCTS	: N 0.1000	0.0100 F :	0.000	0.000 :
53002BB	GOAT(ORGAN MEATS)--OTHER	: N 0.1000	0.0100 F :	0.000	0.000 :
53002FA	GOAT(BONELESS)--FAT	: N 0.1000	0.0100 F :	0.000	0.000 :
53002KA	GOAT(ORGAN MEATS)--KIDNEY	: N 0.2000	0.0100 F :	0.000	0.000 :
53002LA	GOAT(ORGAN MEATS)--LIVER	: N 0.2000	0.0100 F :	0.000	0.000 :
53002MA	GOAT(BONELESS)--LEAN (W/O REMOVEABLE FAT)	: N 0.1000	0.0100 F :	0.000	0.000 :
53003AA	HORSE	: N 0.1000	0.0100 F :	0.000	0.000 :
53005BA	SHEEP--MEAT BYPRODUCTS	: N 0.1000	0.0100 F :	0.000	0.000 :
53005BB	SHEEP(ORGAN MEATS)--OTHER	: N 0.1000	0.0100 F :	0.000	0.000 :

ROUTINE CHRONIC ANALYSIS INCLUDING AR1S ***** 18:04 MONDAY, JUNE 1, 1987 2

*NAME: PROPIONAZOLE (TILT) CASHELL NO: 323EE CAS NO: 60207-90-1 SHAUGHNESSY NO: 122101 *
*RFD INFO: The ADI value used in this analysis is 0.0200 MG/KG of BODY WEIGHT/DAY (Study A) *
FILE INFO: Published & New Action Tolerance Data Are Used-Without User Modifications. AR DATA: No User Modifications

LIST OF RELEVANT FOODS AND FOOD FORMS FOR U.S. POP.--48 STATES--ALL SEASONS *****

FOOD	FOOD AND FOOD FORM DESCRIPTION	SORC	TOLERANCE PPM TYPE	AR PPM REF.	AS % OF RDV	TOLERANCE	AR	AS % OF SUBPROP. TMRC	RDV
53005FA	SHEEP(BONELESS)-FAT	N	0.1000	0.0100 F	0.002	0.000	0.000	-0.036	-0.002
53005KA	SHEEP(ORGAN MEATS)-KIDNEY	N	0.2000	0.0100 F	0.000	0.000	0.000	0.000	0.000
53005LA	SHEEP(ORGAN MEATS)-LIVER	N	0.2000	0.0100 F	0.000	0.000	0.000	0.000	0.000
53005MA	SHEEP(BONELESS)-LEAN (W/O REMOVEABLE FAT)	N	0.1000	0.0100 F	0.006	0.001	0.001	-0.105	-0.006
53006BA	PORK-MEAT BYPRODUCTS	N	0.1000	0.0100 F	0.013	0.001	0.001	-0.211	-0.011
53006BB	PORK(ORGAN MEATS)-OTHER	N	0.1000	0.0100 F	0.002	0.000	0.000	-0.032	-0.002
53006FA	PORK(BONELESS)-FAT (INCLUDING LARD)	N	0.1000	0.0100 F	0.104	0.010	0.010	-1.749	-0.094
53006KA	PORK(ORGAN MEATS)-KIDNEY	N	0.2000	0.0100 F	0.000	0.000	0.000	0.000	0.000
53006LA	PORK(ORGAN MEATS)-LIVER	N	0.2000	0.0100 F	0.005	0.005	0.005	0.000	0.000
53006MA	PORK(BONELESS)-LEAN (W/O REMOVEABLE FAT)	N	0.1000	0.0100 F	0.196	0.020	0.020	-3.288	-0.176

***GROUP TOTALS--RED MEAT

55008BA	TURKEY-BYPRODUCTS	N	0.1000	0.0100 F	0.000	0.000	0.000	-0.002	-0.000
55008LA	TURKEY-GIBLETS (LIVER)	N	0.2000	0.0100 F	0.000	0.000	0.000	-0.001	-0.000
55008MA	TURKEY-FLESH(W/O SKIN, W/O BONES)	N	0.1000	0.0100 F	0.004	0.000	0.000	-0.067	-0.004
55008MB	TURKEY-FLESH(+SKIN, W/O BONES)	N	0.1000	0.0100 F	0.024	0.002	0.002	-0.405	-0.022
55008MC	TURKEY-UNSPECIFIED	N	0.1000	0.0100 F	0.000	0.000	0.000	-0.001	-0.000
55013BA	POULTRY, OTHER-BYPRODUCTS	N	0.1000	0.0100 F	0.000	0.000	0.000	-0.000	-0.000
55013LA	POULTRY, OTHER-GIBLETS(LIVER)	N	0.2000	0.0100 F	0.000	0.000	0.000	-0.004	-0.000
55013MA	POULTRY, OTHER-FLESH (+SKIN, W/O BONES)	N	0.1000	0.0100 F	0.003	0.000	0.000	-0.045	-0.002
55013BA	POULTRY, OTHER-BYPRODUCTS	N	0.1000	0.0100 F	0.000	0.000	0.000	-0.000	-0.000
55015LA	CHICKEN-GIBLETS(LIVER)	N	0.2000	0.0100 F	0.005	0.000	0.000	-0.090	-0.005
55015MA	CHICKEN-FLESH(W/O SKIN, W/O BONES)	N	0.1000	0.0100 F	0.030	0.003	0.003	-0.505	-0.027
55015MB	CHICKEN-FLESH(+SKIN, W/O BONES)	N	0.1000	0.0100 F	0.190	0.019	0.019	-3.187	-0.171

***GROUP TOTALS--POULTRY

50000DB	MILK-NON-FAT SOLIDS	N	0.0500	0.0100 F	1.778	0.356	0.356	-26.563	-1.423
50000FA	MILK-FAT SOLIDS	N	0.0500	0.0100 F	0.846	0.169	0.169	-12.636	-0.677
50000SA	MILK SUGAR (LACTOSE)	N	0.0500	0.0100 F	0.009	0.002	0.002	-0.140	-0.024
55014AA	EGGS-WHOLE	N	0.1000	0.0100 F	0.282	0.028	0.028	-4.743	-0.254
55014AB	EGGS-WHITE ONLY	N	0.1000	0.0100 F	0.005	0.000	0.000	-0.077	-0.004
55014AC	EGGS-YOLK ONLY	N	0.1000	0.0100 F	0.003	0.000	0.000	-0.056	-0.003

***GROUP TOTALS--DAIRY PRODUCTS

2.924	0.556	-44.216	-2.368
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TOLERANCE SOURCES: P=PUBLISHED, A=APPROVED, N=NEW ACTION, U=USER-SUPPLIED