

**Statistical Working System**

**Project**

**Statistics Division**

FAOSTAT Pre-standardization methodology

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# Introduction

Standardization is the term used in statistics division of the Food and Agriculture Organization (FAO) as synonymous for aggregation. The statistics division collects data on food and agriculture commodities for more than180 country and more than 800 commodities. These commodities include primary e.g. Wheat, Rice, Maize etc. and derived products e.g. Bread, Macaroni, Breakfast cereals etc. For each commodity, when it exists in the country, a commodity balance called Supply Utilization Account (SUA) is created and updated each year. The SUA include food and non food products at primary and derived levels. Analysing and engaging in decision making using more than 800 commodities is no easy work. Also, decision making when targeting agricultural ministries is better expressed in quantities of primary commodities that need to be produced than in derived. To advice a decision maker on what it needs to be done to provide enough food to its population we can talk about increasing productivity, or surface of a primary product. This is more explicable than to talking about increasing the production of Bread, Biscuits and Breakfast Cereals etc. From here came the need for creating a Food Balance Sheet (FBS) where we express and convert all what is produced and traded in a country to its primary equivalent. The FBS is then composed of less than a 100 food commodities expressed in primary equivalent. The methodology used to convert, aggregate, the 800 SUA commodities into only100 FBS commodities is called Standardization. To implement this methodology we need to link each commodity to all commodities that can be derived from it, using commodity trees. We also need extraction rates to indicate how many units are needed from each commodity to obtain one unit of the derived one.

But taking stock of data availability, especially for derived products and for elements other than trade, we find that data collection in most countries is non-existent or at best very limited. As a result, more than 80 percent of the elements for derived products at the SUA level is imputed. For most of the time only trade data are available. From these 800 commodity balances that are maintained only 100 aggregated commodities are published as FBS. In parallel we receive through FAOSTAT agricultural production questionnaires, a wealth of data on primary commodities, which go a long way in constituting the FBS.

By complementing information on traded commodities, both primary and derived, we can create FBSs without need of SUA. This means we need only to maintain 100 balances per year per country compared to 800. So instead of converting all of the balance elements of derived products back to primary equivalent, we can now just convert the trade component to primary equivalent and maintain balances at the FBS level. In contrast with the current Standardization aggregation methodology we call this “Pre-Standardization” (i.e. standardization of trade only).

# Background

Standardization as it applies today consists in converting quantities from derived product to primary equivalent. The balance equation is as follows:

All quantities for all elements, apart from production, are converted back to their primary equivalent based on the inverted extraction rate multiplier, called conversion factor. As we have mentioned before, SUAs are generated and maintained for each commodity. This means the quantity of food available for human consumption is estimated for each SUA commodity and then converted to the correspondent primary equivalent. The calories available for human consumption for each commodity tree are summed up and shown as one number as if they were available at the primary level. This poses some technical and intuitive misconception. The first and the most obvious one is when we divide the calories by the quantities at the FBS level we will find out that calories, fat and protein contained in a 100gr of primary commodity equivalent are different from the normal nutrient composition of that commodity. Most of the time the difference is small and due to the conversion of traded derived products to their primary equivalent. However, the difference can be sometimes big and the explanation can be found in the composition of the commodities that are eaten in the country. The more the derived form of the product is consumed in a country; the more the calorie composition of the primary equivalent at the FBS level is different from the nutritional composition of the primary.

Also, a serious concern related to estimating food available for human consumption at the derived level is coming from the lack of data availability on production. For more than 90% of the cases the production of derived commodities is not available. The only information we possess is about trade, export and import, of derived commodities. So what is considered as food available for human consumption is merely the net trade when it is positive. This brings us to the very important decision made by ESS management to not publish anymore SUAs for derived products. This decision is taken in accordance with one of the most important principles of statistics which is to prevent users from wrongly using and interpreting data.

Thus, as long as we are not in possession of any further information apart from trade maintaining 800 commodity balances at the SUA level is costly and not providing improvement in our estimates of FBS. Also, at FBS level we publish only a 100 commodities which are primaries and for which we have information on both trade and production so it make no sense maintaining SUAs balances that are not published; and, for which we don’t have data to allow us to derive the estimates for food available for human consumption. Thus these balances are creating errors when estimating the food available for human consumption at FBS level.

It is important to highlight at this point the experience gained by ESS clerks estimating food at the derived level and then summing calories up along the item tree to get the total calories in primary equivalent. We all know it is totally wrong proceeding this way and maintaining baseless balances. However, changing a system even as wrong as it appears is not an easy task. A new knowledge based culture has to be established. The staff has to learn estimating food at the primary level even though it is not the primary that is consumed but a transformed form of it and this is as long as we are not able to collect data on derived products production. To make this happen we decided to standardize trade of derived products directly to the primary level without creating balances; SUAs. So we call this the Pre-Standardization which means the standardization of traded derived products. Balances will be created and maintained for primary commodities, which means going from maintaining more than 800 commodity balances to only 100 commodity balances.

# Pre-Standardization

The standardization is currently based on the information created at SUA level. Taking stock of these information a set of rules is endogenously generated by a model to convert back most of the derived commodities to their primary equivalent. The information created at the SUA level is usually the shares that links one commodity to one or more commodities at the next derived level. These shares will usually allow us to allocate quantities to cover negative net trade when creating a balance for a derived commodity. And the generated quantities are shown as production of derived product. These are misleading shares and quantities and the data generated is then used to estimate food which is then considered as available for food consumption.

The pre-standardization will help us first create balances for primary commodities without need for shares, as it is generated currently in the SUA system, which will consequently simplify the standardization methodology. Second this will allow us to save time and money maintaining only 100 balances. And third, using pre-standardization we will reduce the error of generating food available for human consumption at the derived level without having any information about the production of that derived product and then aggregating the calories to the primary level.

## How Pre-Standardization works

The pre-standardization will consist in converting the trade of a derived product to its equivalent of primary commodity. First only trade will be considered in the exercise and we will not need any other data. At the end of the exercise we will have total trade equivalent for primary commodities. At this level the trade and production for the primaries will be equivalent to the numbers that are existent today in the system using the standardization, unless there is an error from one side or another. As there will be no balances for derived products no other element will be converted e. g. feed, seed, waste, stocks, food etc.

Currently all the balances are prepared at the SUA level and FBS is merely an aggregation of SUAs. With Pre-Standardization the work on generating the other elements and balancing will be made only once at the primary level. This is as mentioned have to be taken seriously into account as it will be the first time for staff to balance directly primary as they learned and worked so far only with derived products. But to make the work easier the first attempt of balancing will be made automatically and the staff will check, finalize and follow up with countries on certain results. This brings us to the next step, after the Pre-Standardization, which is balancing primary commodities balances and generating food available for human consumption. A methodological paper will be prepared as a deliverable for the Capex-Project on this specific purpose.

Here below we will introduce the mathematical formulation of the equations involved in the Pre-Standardization.

# The aggregation equations

To be consistent with the paper describing the Standardization methodology we used the same structure and representations and we adjusted the formulas as it applies to Pre-Standardization.

## Single derived product

* **Backward aggregation** of a single derived product. Let us assume that A is the quantity of the target product and B the quantity that has to be aggregated back to A which make an aggregated quantity called Â.

****

1. Backward aggregation of single derived product B to A.

As mentioned before in the document only two elements will be taken into account for the Pre-Standardization: (6) Import and (9) Export. This logic will be respected for the rest of the document.

Where:

* **Forward aggregation** of a single derived product. We consider A the quantity of the target product and B the quantity that has to be forward aggregated to A which make an aggregated quantity called Â.

****

1. Backward aggregation of single derived product B to A.

Here are the changes that have to be done to the original commodity balance to have the aggregated one in case of forward aggregation. In case of forward aggregation all the elements will be forward aggregated and not only trade.

Where:

## Alternative derived products

* **Backward Aggregation** of two alternatively derived product B and C to their target commodity A which make an aggregated quantity called Â.



1. Backward aggregation from B and/or C to A

Here are the changes that has to be done to the original commodity balance to have the aggregated one in case of backward aggregation:

Where:

**Forward Aggregation**: Here is the schematic representation of the alternative derived product aggregation procedure. The forward aggregation is directed to B which is the target commodity. So C should be backward aggregated to A (following the procedure that is indicated in the backward aggregation )and the aggregated Â has to be forward aggregated to B.



1. Forward aggregation from Â to B

In case of forward aggregation the changes to be integrated into the target commodity balance are the following:

Where:

## Alternative input products



1. Backward aggregation to alternative input product

**Backward aggregation**: the backward aggregation in the case of alternative input products has to involve a share to be able to split the quantity of the derived product C between the two possible inputs A and B:

Where:

## Joint derived products

* **Backward aggregation:**



1. Backward aggregation of jointly derived products

The aggregation in the case of joint derived products has to involve also a weight to avoid double counting as the same input quantity has generated at the same time multiple derived products. Herewith how each commodity balance has to be adjusted:

Where:

:

This means that the sum of the sum of the calorie contain of the jointly backward aggregated commodities weighted by their extraction factors has to be equal to the calorie contain of the target commodity.

* **Forward aggregation:** the forward aggregation towards jointly derived products should be straightforward and does not need the computation of any new special factors but only using the extraction rates.

Where:

# Pre-Standardization architecture

There is 806 commodities that are in SUA system. Not all of them are included in the processing but only 586 commodities. The 220 other commodities are considered as automatic targets and are not included in the Pre-Standardization exercise and within these 220 commodities 43 are totally excluded from the exercise as we don’t collect data for them which leave us with 177 commodities. The 586 commodities are composed of 293 target commodities, 289 commodities to be backward aggregated to them and 4 commodities to be forward aggregated. Finally within the 289 commodities there are 35 commodities that are cut and considered as temporary targets to avoid double counting in case of joint derived products.

So by the end we will have 254 commodities to backward aggregate, 4 commodities to forward aggregate, 505 Target commodities and 43 excluded commodities. This is make our total 806 commodities.

We have linked each backward commodity at the target commodity and we asked the model to convert them based on a conversion factor (the model is in the annex). The conversion factors are extracted at the same as the data from the working system. So here is an extraction of the file that links each output commodity to the input commodity that is coming from and to which it has to be backward aggregated. The full list is in the annex.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Output | O\_code | O\_Name | Input | I\_code | I\_Name |
| O | 16 | FLOUR WHEAT | I | 15 | WHEAT \* |
| O | 17 | BRAN WHEAT | I | 15 | WHEAT \* |
| O | 18 | MACARONI | I | 16 | FLOUR WHEAT |
| O | 19 | GERM OF WHEA | I | 15 | WHEAT \* |
| O | 20 | BREAD | I | 16 | FLOUR WHEAT |
| O | 21 | BULGUR | I | 15 | WHEAT |
| O | 22 | PASTRY | I | 16 | FLOUR WHEAT |
| O | 23 | WHEAT,STARCH | I | 16 | FLOUR WHEAT \* |
| O | 24 | WHEAT,GLUTEN | I | 16 | FLOUR WHEAT \* |
| O | 26 | WHEAT,FRMBEV | I | 16 | FLOUR WHEAT |
| O | 28 | RICE, HUSKED | I | 27 | RICE, PADDY |
| O | 29 | RICE, MLDHSK | I | 28 | RICE, HUSKED \* |
| O | 31 | RICE, MILLED | I | 27 | RICE, PADDY \* |
| O | 32 | RICE, BROKEN | I | 29 | RICE, MLDHSK |
| O | 33 | RICE GLUTEN | I | 32 | RICE, BROKEN \* |
| O | 34 | RICE, STARCH | I | 32 | RICE, BROKEN \* |
| O | 35 | BRAN RICE | I | 27 | RICE, PADDY \* |
| O | 35 | BRAN RICE | I | 28 | RICE, HUSKED \* |
| O | 36 | OIL RICE BRN | I | 35 | BRAN RICE \* |
| O | 37 | CAKE RICEBRN | I | 35 | BRAN RICE \* |
| O | 38 | RICE FLOUR | I | 32 | RICE, BROKEN |
| O | 39 | RICE, FRMBEV | I | 32 | RICE, BROKEN |
| O | 41 | BREAKF CERLS | I | 15 | WHEAT |
| O | 45 | POT BARLEY | I | 44 | BARLEY \* |
| O | 46 | BARLEY, PEAR | I | 45 | POT BARLEY \* |
| O | 47 | BARLEY, BRAN | I | 44 | BARLEY \* |
| O | 48 | BARLEY FLOUR | I | 45 | POT BARLEY \* |
| O | 50 | MALT BARLEY | I | 44 | BARLEY |

This action has to be repeated and the file cleaned till there is no remaining output commodity with a non zero value. Once this is finalized the target commodities are then aggregated based on a set of rules to the FBS. Here is an extraction of the rules that applies and the full list is in the annex.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Item\_N | Inc.\_Tot | Agg\_Com | Weight | Target | FBS\_C | FBS\_N | Type\_conv |
| WHEAT | 1 | T |  | Target | 2511 | WHEAT & PRODUCTS |  |
| FLOUR WHEAT | 1 | B |  |  |  |  |  |
| BRAN WHEAT | 1 | B | w=0 | Target | 2511 | WHEAT & PRODUCTS | (cal.) |
| MACARONI | 1 | B |  |  |  |  |  |
| GERM WHEAT | 1 | B | w=0 | Target | 2511 | WHEAT & PRODUCTS | (cal.) |
| BREAD | 1 | B |  |  |  |  |  |
| BULGUR | 1 | B |  |  |  |  |  |
| PASTRY | 1 | B |  |  |  |  |  |
| WHEAT,STARCH | 1 | B |  |  |  |  |  |
| WHEAT GLUTEN | 1 | B | w=0 | Target | 2511 | WHEAT & PRODUCTS | (cal.) |
| WHEAT FER BE | 1 | T |  | Target | 2657 | BEVERAGES, FERMENTED |  |
| RICE, PADDY | 1 | T |  | Target | 2805 | RICE & PROD (MILLEDEQ.) |  |
| RICE,HUSKED | 1 | B |  |  |  |  |  |
| MIL/HUS RICE | 1 | B |  |  |  |  |  |
| MIL PAD RICE | 1 | B |  |  |  |  |  |
| RICE,BROKEN | 1 | B |  |  |  |  |  |
| RICE GLUTEN | 1 | B | w=0 | Target | 2805 | RICE & PROD (MILLEDEQ.) | (cal.) |
| RICE,STARCH | 1 | B |  |  |  |  |  |
| BRAN RICE | 1 | B | w=0 | Target | 2805 | RICE & PROD (MILLEDEQ.) | (cal.) |
| OIL RICE BRN | 1 | T |  | Target | 2581 | RICE, BRAN OIL |  |
| CAKE RICEBRN | 1 | T | w=0 | Target | 2598 | OILSEEDS, OTHERS, CAKE |  |
| RICE FLOUR | 1 | B |  |  |  |  |  |
| RICE FER BEV | 1 | T |  | Target | 2657 | BEVERAGES, FERMENTED |  |
| BREAKF CERLS | 1 | B |  |  |  |  |  |
| BARLEY | 1 | T |  | Target | 2513 | BARLEY & PRODUCTS |  |
| POT BARLEY | 1 | B |  |  |  |  |  |
| BARLEY,PEARL | 1 | B |  |  |  |  |  |
| BRAN BARLEY | 1 | B | w=0 | Target | 2513 | BARLEY & PRODUCTS | (cal.) |
| BARLEY FL GR | 1 | B |  |  | 2513 | BARLEY & PRODUCTS | (cal.) |
| MALT BARLEY | 1 | B |  |  |  |  |  |
| MALT EXTRACT | 1 | B |  |  |  |  |  |
| BEER BARLEY | 1 | T |  | Target | 2656 | BARLEY, BEER |  |
| MAIZE | 1 | T |  | Target | 2514 | MAIZE & PRODUCTS |  |
| GERM MAIZE | 1 | B | w=0 | Target | 2514 | MAIZE & PRODUCTS | (cal.) |
| FLOUR MAIZE | 1 | B |  |  |  |  |  |
| BRAN MAIZE | 1 | B | w=0 | Target | 2514 | MAIZE & PRODUCTS | (cal.) |

# Conclusion

The pre-standardization is finalized and can be implemented as soon as we have the FBS methodology ready to be implemented. When this is done we can then test the impact of the changes on the FBS results. As far as the pre-standardization is concerned we have made the tests and the pre-standardized quantities are in most of the cases equal to the trade as it is standardized using the current methodology. But we expect that the impact on the food will be important as the methodology will be radically different and definitely better. Currently the food quantities that are coming from derived products are all of them coming from baseless imputation.

# ANNEXES

## The GAMS Model for Pre-Standardization

\* $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

\* Standardization of Trade SUAs quantities

\* Simple Commodities

\* $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

\*

AGTrade1(RT,PE,"Imports",TE) $ C\_Factor(RT,PE,TE) = SUM(OFI $ OFI\_P(OFI,PE),SUA\_OFS(RT,OFI,"61",TE)\*C\_Factor(RT,PE,TE);

AGTrade1(RT,PE,"Exports",TE) $ C\_Factor(RT,PE,TE) = SUM(OFI $ OFI\_P(OFI,PE),SUA\_OFS(RT,OFI,"91",TE)\*C\_Factor(RT,PE,TE);

\*

\*

\* $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

\* Standardization of Trade SUAs quantities

\* Complex Commodities

\* $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

\*

Variables

Shares(RT,COFI,PE,Report,TE) Shares

;

Equations

CShExp(RT,COFI,PE,TE) Export Shares

;

CShExp(RT,COFI,PE,TE) $ (SUA\_OFS(RT,COFI,"91",TE) and COFI\_P(COFI,PE)) ..

Shares(RT,COFI,PE,"Exports",TE)\* Sum(PE1 $ COFI\_P(COFI,PE1), (SUA(RT,PE1,"51",TE)+AGTrade1(RT,PE1,"Imports",TE))\* Calories(RT,PE1,TE)) =e=

((SUA(RT,PE,"51",TE)+AGTrade1(RT,PE,"Imports",TE))\* Calories(RT,PE,TE));

Model STAND Standardization /CShExp/;

STAND.limcol = 0;

STAND.limrow = 0;

STAND.solprint = 2;

option iterlim = 1000;

option reslim = 1000;

\*\*\*define the set of years for the simulation

TE2(TIME) = No;

TE2(TIME) $ (Sum((RT,COFI,SUA\_ITEMS) $ SUA\_OFS(RT,COFI,SUA\_ITEMS,TIME), 1)) = Yes;

display TE2;

Loop (TE1 $ ( (OrdT(TE1) ge Smin(TE2,OrdT(TE2)) ) and (OrdT(TE1) le Smax(TE2,OrdT(TE2))) ),

\*initialize a Bind value for first iteration (needed to stop loop when the model converge)

Bind(TE1,ITT) $ (OrdITT(ITT) eq 1) = 1;

Loop (ITT $ ((OrdITT(ITT) eq 1) or (Sum(ITT1 $ (OrdITT(ITT1) eq (OrdITT(ITT)-1)), Bind(TE1,ITT1)) ne 0)),

If( (OrdITT(ITT) eq 1),

\*\*\*initial values set to 1 for import quantities

AGTrade1(RT,PE,"Imports",TE1) $ Sum(COFI $ COFI\_P(COFI,PE),SUA\_OFS(RT,COFI,"61",TE1)) = 1;

Solve STAND using cns;

\* display Shares.l;

\*\*\*calculate import shares

\* Basic formular

Share(RT,COFI,PE,"Imports",TE1) $ (COFI\_P(COFI,PE) and SUA\_OFS(RT,COFI,"61",TE1) and Sum(RT1 $ (COFI\_P(COFI,PE) and Shares.l(RT1,COFI,PE,"Exports",TE1)), DATA(RT1,RT,COFI,"Imports",TE1)))=

Sum(RT1 $ COFI\_P(COFI,PE), Shares.l(RT1,COFI,PE,"Exports",TE1)\*DATA(RT1,RT,COFI,"Imports",TE1))/

Sum(RT1 $ (COFI\_P(COFI,PE) and Shares.l(RT1,COFI,PE,"Exports",TE1)),DATA(RT1,RT,COFI,"Imports",TE1));

\* Uses of mirror values

Sharem(RT,COFI,PE,"Imports",TE1) $ (COFI\_P(COFI,PE) and SUA\_OFS(RT,COFI,"61",TE1) and Sum(RT1 $ (COFI\_P(COFI,PE) and (not DATA(RT1,RT,COFI,"Imports",TE1)) and DATA(RT,RT1,COFI,"Exports",TE1) and Shares.l(RT1,COFI,PE,"Exports",TE1)),1)

and Sum(RT1 $ (COFI\_P(COFI,PE) and (not DATA(RT1,RT,COFI,"Imports",TE1)) and Shares.l(RT1,COFI,PE,"Exports",TE1)),DATA(RT,RT1,COFI,"Exports",TE1)))=

Sum(RT1 $ COFI\_P(COFI,PE),Shares.l(RT1,COFI,PE,"Exports",TE1)\*DATA(RT,RT1,COFI,"Exports",TE1))/

Sum(RT1 $ (COFI\_P(COFI,PE) and (not DATA(RT1,RT,COFI,"Imports",TE1)) and Shares.l(RT1,COFI,PE,"Exports",TE1)),DATA(RT,RT1,COFI,"Exports",TE1));

\* Default values

Shared(RT,COFI,PE,"Imports",TE1) $ (COFI\_P(COFI,PE) and SUA\_OFS(RT,COFI,"61",TE1) and Sum(RT1 $ (COFI\_P(COFI,PE) and (not DATA(RT1,RT,COFI,"Imports",TE1)) and (not DATA(RT,RT1,COFI,"Exports",TE1)) and Shares.l(RT1,COFI,PE,"Exports",TE1)),1)

and Sum(PE1 $ COFI\_P(COFI,PE1),1))=

1/Sum(PE1 $ COFI\_P(COFI,PE1),1);

\*scale import shares so that they add to unity in one year

Share(RT,COFI,PE,"Imports",TE1) $ (COFI\_P(COFI,PE) and Sum(PE1 $ COFI\_P(COFI,PE1),(Share(RT,COFI,PE1,"Imports",TE1)+Sharem(RT,COFI,PE1,"Imports",TE1)+Shared(RT,COFI,PE1,"Imports",TE1))))=

(Share(RT,COFI,PE,"Imports",TE1)+Sharem(RT,COFI,PE,"Imports",TE1)+Shared(RT,COFI,PE,"Imports",TE1))/Sum(PE1 $ COFI\_P(COFI,PE1),(Share(RT,COFI,PE1,"Imports",TE1)+Sharem(RT,COFI,PE1,"Imports",TE1)+Shared(RT,COFI,PE1,"Imports",TE1)));

\*\*\*calculate import quantities

AGTrade(RT,PE,"Imports",TE1) $ (Sum(COFI $ COFI\_P(COFI,PE), SUA\_OFS(RT,COFI,"61",TE1)\*Calorie(COFI)) and Calories(RT,PE,TE1))=

Sum(COFI $ COFI\_P(COFI,PE), Share(RT,COFI,PE,"Imports",TE1)\*SUA\_OFS(RT,COFI,"61",TE1)\*Calorie(COFI))/Calories(RT,PE,TE1);

Else

\*\*\*resolve the model for ORDITT(ITT)>2 taking into account the calculate value of STRADE

AGTrade1(RT,PE,"Imports",TE1) = AGTrade(RT,PE,"Imports",TE1);

Solve STAND using cns;

\* display Shares.l;

\*\*\*calculate import shares

\* Basic formular

Share(RT,COFI,PE,"Imports",TE1) $ (COFI\_P(COFI,PE) and SUA\_OFS(RT,COFI,"61",TE1) and Sum(RT1 $ (COFI\_P(COFI,PE) and Shares.l(RT1,COFI,PE,"Exports",TE1)), DATA(RT1,RT,COFI,"Imports",TE1)))=

Sum(RT1 $ COFI\_P(COFI,PE), Shares.l(RT1,COFI,PE,"Exports",TE1)\*DATA(RT1,RT,COFI,"Imports",TE1))/

Sum(RT1 $ (COFI\_P(COFI,PE) and Shares.l(RT1,COFI,PE,"Exports",TE1)),DATA(RT1,RT,COFI,"Imports",TE1));

\* Uses of mirror values

Sharem(RT,COFI,PE,"Imports",TE1) $ (COFI\_P(COFI,PE) and SUA\_OFS(RT,COFI,"61",TE1) and Sum(RT1 $ (COFI\_P(COFI,PE) and (not DATA(RT1,RT,COFI,"Imports",TE1)) and DATA(RT,RT1,COFI,"Exports",TE1) and Shares.l(RT1,COFI,PE,"Exports",TE1)),1)

and Sum(RT1 $ (COFI\_P(COFI,PE) and (not DATA(RT1,RT,COFI,"Imports",TE1)) and Shares.l(RT1,COFI,PE,"Exports",TE1)),DATA(RT,RT1,COFI,"Exports",TE1)))=

Sum(RT1 $ COFI\_P(COFI,PE),Shares.l(RT1,COFI,PE,"Exports",TE1)\*DATA(RT,RT1,COFI,"Exports",TE1))/

Sum(RT1 $ (COFI\_P(COFI,PE) and (not DATA(RT1,RT,COFI,"Imports",TE1)) and Shares.l(RT1,COFI,PE,"Exports",TE1)),DATA(RT,RT1,COFI,"Exports",TE1));

\* Default values

Shared(RT,COFI,PE,"Imports",TE1) $ (COFI\_P(COFI,PE) and SUA\_OFS(RT,COFI,"61",TE1) and Sum(RT1 $ (COFI\_P(COFI,PE) and (not DATA(RT1,RT,COFI,"Imports",TE1)) and (not DATA(RT,RT1,COFI,"Exports",TE1)) and Shares.l(RT1,COFI,PE,"Exports",TE1)),1)

and Sum(PE1 $ COFI\_P(COFI,PE1),1))= 0;

1/Sum(PE1 $ COFI\_P(COFI,PE1),1);

\*scale import shares so that they add to unity in one year

Share(RT,COFI,PE,"Imports",TE1) $ (COFI\_P(COFI,PE) and Sum(PE1 $ COFI\_P(COFI,PE1),(Share(RT,COFI,PE1,"Imports",TE1)+Sharem(RT,COFI,PE1,"Imports",TE1)+Shared(RT,COFI,PE1,"Imports",TE1))))=

(Shared(RT,COFI,PE,"Imports",TE1)\*SUA\_OFS(RT,COFI,"61",TE1) +Share(RT,COFI,PE,"Imports",TE1)\*(SUM(RT1,DATA(RT1,RT,COFI,"Imports",TE1)+Sharem(RT,COFI,PE,"Imports",TE1)\*(SUM(RT1,DATA(RT,RT1,COFI,"Exports",TE1))))

/Sum(PE1 $ COFI\_P(COFI,PE1),Shared(RT,COFI,PE1,"Imports",TE1)\*SUA\_OFS(RT,COFI,"61",TE1)+Share(RT,COFI,PE1,"Imports",TE1)\*(SUM(RT1,DATA(RT1,RT,COFI,"Imports",TE1)+Sharem(RT,COFI,PE1,"Imports",TE1)\*(SUM(RT1,DATA(RT,RT1,COFI,"Exports",TE1))));

\*\*\*calculate import quantities

AGTrade(RT,PE,"Imports",TE1) $ (Sum(COFI $ COFI\_P(COFI,PE), SUA\_OFS(RT,COFI,"61",TE1)\*Calorie(COFI)) and Calories(RT,PE,TE1))=

Sum(COFI $ COFI\_P(COFI,PE), Share(RT,COFI,PE,"Imports",TE1)\*SUA\_OFS(RT,COFI,"61",TE1)\*Calorie(COFI))/Calories(RT,PE,TE1);

\*end of if

AGTrade(RT,PE,"Imports",TE1)= AGTrade(RT,PE,"Imports",TE1)+ AGTrade1(RT,PE,"Imports",TE1) ;

);

\*\*\*calculate Share exports per iteration

ShareIT(RT1,COFI,PE,"Exports",TE1,ITT) = Shares.l(RT1,COFI,PE,"Exports",TE1);

\*\*\*calculate variation of Share exports between 2 successuful iterations

Bind(TE1,ITT) $ (OrdITT(ITT) gt 1) = Sum((RT1,COFI,PE) $ (ShareIT(RT1,COFI,PE,"Exports",TE1,ITT) and

((Sum(ITT1 $ ((OrdITT(ITT1) EQ (OrdITT(ITT)-1)) and ShareIT(RT1,COFI,PE,"Exports",TE1,ITT)), ShareIT(RT1,COFI,PE,"Exports",TE1,ITT1)/ShareIT(RT1,COFI,PE,"Exports",TE1,ITT)) gt 1.01) or

(Sum(ITT1 $ ((OrdITT(ITT1) EQ (OrdITT(ITT)-1)) and ShareIT(RT1,COFI,PE,"Exports",TE1,ITT)), ShareIT(RT1,COFI,PE,"Exports",TE1,ITT1)/ShareIT(RT1,COFI,PE,"Exports",TE1,ITT)) lt 0.99))

), 1);

ModStat(TE1,ITT) = STAND.ModelStat;

\*end of loop ITT

);

\*Calculate exported Qty

Share(RT,COFI,PE,"Exports",TE1) = Shares.l(RT,COFI,PE,"Exports",TE1);

AGTrade(RT,PE,"Exports",TE1) $ (Sum(COFI $ COFI\_P(COFI,PE), SUA\_OFS(RT,COFI,"91",TE1)\*Calorie(COFI)) and Calories(RT,PE,TE1)) =

Sum(COFI $ COFI\_P(COFI,PE), Share(RT,COFI,PE,"Exports",TE1)\*SUA\_OFS(RT,COFI,"91",TE1)\*Calorie(COFI))/Calories(RT,PE,TE1);

\* check over shares

TShare(RT,COFI,Report,TE1) = SUM(PE, Share(RT,COFI,PE,Report,TE1));

option kill=AGTrade1;

option kill=ShareIT;

option kill=shares;

$include "kill\_model1.gms"

\*end of loop TE1

);

\*no Bind for first iteration

Bind(TE1,ITT) $ (OrdITT(ITT) eq 1) = 0;

Execute\_unload 'STAND\_AGG\_COFIa.gdx',Share, AGTrade, ModStat, Bind, TShare;

\*Execute\_load 'STAND\_AGG\_OFIa.gdx',AGTrade1;

Execute\_load 'STAND\_AGG\_COFIa.gdx',AGTrade,Share;

AGTrade(RT,PE,"Exports",TE) = AGTrade1(RT,PE,"Exports",TE)+AGTrade(RT,PE,"Exports",TE);

Execute\_unload 'STAND\_AGG\_TOFIa.gdx',AGTrade,Share;

$Exit

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*Compare with Old standardization results

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Parameter AGTrade\_old(RT,PE,Report,TE)

/

$Include "AGTrade\_old.gms"

/;

Parameter STrade\_old1(RT1,RT,PE,Report\_Re,TE)

/

$Include "STrade\_old1.gms"

/;

Parameter STrade\_old(RT1,RT,PE,Report,TE);

STrade\_old(RT1,RT,PE,"Exports",TE) = STrade\_old1(RT1,RT,PE,"Exports",TE)+STrade\_old1(RT1,RT,PE,"Reexports",TE);

STrade\_old(RT1,RT,PE,"Imports",TE) = STrade\_old1(RT1,RT,PE,"Imports",TE);

option kill=STrade\_old1;

Parameter AGTrade\_Dif1(RT,PE,Report,TE);

Parameter STrade\_Dif1(RT1,RT,PE,Report,TE);

Parameter AGTrade\_Dif2(RT,PE,Report,TE);

Parameter STrade\_Dif2(RT1,RT,PE,Report,TE);

Execute\_load 'STAND\_AGG\_TOFIa.gdx',AGTrade,Share;

Execute\_load 'STAND\_TOFIa.gdx',STrade,Share;

AGTrade\_Dif1(RT,PE,Report,TE) $ (ABS(AGTrade(RT,PE,Report,TE)-AGTrade\_old(RT,PE,Report,TE)) ge 1000) = Round(AGTrade(RT,PE,Report,TE),2);

AGTrade\_Dif2(RT,PE,Report,TE) $ (ABS(AGTrade(RT,PE,Report,TE)-AGTrade\_old(RT,PE,Report,TE)) ge 1000) = Round(AGTrade\_old(RT,PE,Report,TE),2);

STrade\_Dif1(RT1,RT,PE,Report,TE) $ (ABS(STrade(RT1,RT,PE,Report,TE)-STrade\_old(RT1,RT,PE,Report,TE)) ge 1000) = Round(STrade(RT1,RT,PE,Report,TE),2);

STrade\_Dif2(RT1,RT,PE,Report,TE) $ (ABS(STrade(RT1,RT,PE,Report,TE)-STrade\_old(RT1,RT,PE,Report,TE)) ge 1000) = Round(STrade\_old(RT1,RT,PE,Report,TE),2);

Execute\_unload 'DIF\_gdx',STrade\_Dif1,STrade\_Dif2,AGTrade\_Dif1,AGTrade\_Dif2;

$Exit

## Aggregation to targets

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Output | O\_cod | O\_Nam | Input | I\_cod | I\_Nam |
| O | 16 | FLOUR WHEAT | I | 15 | WHEAT \* |
| O | 17 | BRAN WHEAT | I | 15 | WHEAT \* |
| O | 18 | MACARONI | I | 16 | FLOUR WHEAT |
| O | 19 | GERM OF WHEA | I | 15 | WHEAT \* |
| O | 20 | BREAD | I | 16 | FLOUR WHEAT |
| O | 21 | BULGUR | I | 15 | WHEAT |
| O | 22 | PASTRY | I | 16 | FLOUR WHEAT |
| O | 23 | WHEAT,STARCH | I | 16 | FLOUR WHEAT \* |
| O | 24 | WHEAT,GLUTEN | I | 16 | FLOUR WHEAT \* |
| O | 26 | WHEAT,FRMBEV | I | 16 | FLOUR WHEAT |
| O | 28 | RICE, HUSKED | I | 27 | RICE, PADDY |
| O | 29 | RICE, MLDHSK | I | 28 | RICE, HUSKED \* |
| O | 31 | RICE, MILLED | I | 27 | RICE, PADDY \* |
| O | 32 | RICE, BROKEN | I | 29 | RICE, MLDHSK |
| O | 33 | RICE GLUTEN | I | 32 | RICE, BROKEN \* |
| O | 34 | RICE, STARCH | I | 32 | RICE, BROKEN \* |
| O | 35 | BRAN RICE | I | 27 | RICE, PADDY \* |
| O | 35 | BRAN RICE | I | 28 | RICE, HUSKED \* |
| O | 36 | OIL RICE BRN | I | 35 | BRAN RICE \* |
| O | 37 | CAKE RICEBRN | I | 35 | BRAN RICE \* |
| O | 38 | RICE FLOUR | I | 32 | RICE, BROKEN |
| O | 39 | RICE, FRMBEV | I | 32 | RICE, BROKEN |
| O | 41 | BREAKF CERLS | I | 15 | WHEAT |
| O | 45 | POT BARLEY | I | 44 | BARLEY \* |
| O | 46 | BARLEY, PEAR | I | 45 | POT BARLEY \* |
| O | 47 | BARLEY, BRAN | I | 44 | BARLEY \* |
| O | 48 | BARLEY FLOUR | I | 45 | POT BARLEY \* |
| O | 50 | MALT BARLEY | I | 44 | BARLEY |
| O | 50 | MALT EXTRACT | I | 49 | MALT BARLEY |
| O | 51 | BEER BARLEY | I | 49 | MALT BARLEY |
| O | 57 | MAIZE, GERM | I | 56 | MAIZE \* |
| O | 58 | FLOUR MAIZE | I | 56 | MAIZE \* |
| O | 59 | BRAN MAIZE | I | 56 | MAIZE \* |
| O | 60 | OIL MAIZE | I | 57 | MAIZE, GERM \* |
| O | 61 | CAKE MAIZE | I | 57 | MAIZE, GERM \* |
| O | 63 | MAIZE GLUTEN | I | 56 | MAIZE \* |
| O | 64 | STARCH MAIZE | I | 56 | MAIZE \* |
| O | 66 | BEER MAIZE | I | 56 | MAIZE |
| O | 72 | FLOUR RYE | I | 71 | RYE \* |
| O | 73 | BRAN RYE | I | 71 | RYE \* |
| O | 76 | OATS, ROLLED | I | 75 | OATS \* |
| O | 77 | BRAN OATS | I | 75 | OATS \* |
| O | 80 | FLOUR MILLET | I | 79 | MILLET \* |
| O | 81 | BRAN MILLET | I | 79 | MILLET \* |
| O | 82 | BEER MILLET | I | 79 | MILLET |
| O | 84 | FLOUR SORGHM | I | 83 | SORGHUM \* |
| O | 85 | BRAN SORGHUM | I | 83 | SORGHUM \* |
| O | 86 | BEER SORGHUM | I | 83 | SORGHUM |
| O | 90 | FLOUR BUCKWH | I | 89 | BUCKWHEAT \* |
| O | 91 | BRAN BUCKWHT | I | 89 | BUCKWHEAT \* |
| O | 95 | FLOUR FONIO | I | 94 | FONIO \* |
| O | 96 | BRAN FONIO | I | 94 | FONIO \* |
| O | 98 | FLOUR TRITIC | I | 97 | TRITICALE \* |
| O | 99 | BRAN TRITICA | I | 97 | TRITICALE \* |
| O | 104 | FLOUR MIX GR | I | 103 | MIXED GRAIN \* |
| O | 105 | BRAN MIX GR | I | 103 | MIXED GRAIN \* |
| O | 110 | WAFERS | I | 16 | FLOUR WHEAT |
| O | 111 | FLOUR CEREAL | I | 108 | CEREALS NES \* |
| O | 112 | BRAN CEREAL | I | 108 | CEREALS NES \* |
| O | 113 | CER PREP NES | I | 108 | CEREALS NES |
| O | 117 | FLOUR POTAT | I | 116 | POTATOES |
| O | 118 | FROZEN POTAT | I | 116 | POTATOES \* |
| O | 119 | POTATO STCH | I | 116 | POTATOES |
| O | 120 | POTATO OFFAL | I | 116 | POTATOES \* |
| O | 121 | POTATO TAP | I | 116 | POTATOES |
| O | 126 | FLOUR CASS | I | 125 | CASSAVA |
| O | 127 | CASSAVA TAP | I | 125 | CASSAVA |
| O | 128 | CASSAVA DRD | I | 125 | CASSAVA |
| O | 129 | CASSAVA STCH | I | 125 | CASSAVA |
| O | 150 | FLOUR RT TUB | I | 149 | ROOTS TUB NS |
| O | 151 | ROOTS TUB DR | I | 149 | ROOTS TUB NS |
| O | 158 | CANE SUGAR | I | 156 | SUGAR CANE \* |
| O | 159 | BEET SUGAR | I | 157 | SUGAR BEETS \* |
| O | 162 | SUGAR,C. RAW | I | 158 | CANE SUGAR |
| O | 162 | SUGAR,C. RAW | I | 159 | BEET SUGAR |
| O | 163 | SUGAR,N CENT | I | 156 | SUGAR CANE \* |
| O | 164 | SUGAR REFIND | I | 162 | SUGAR,C. RAW |
| O | 165 | MOLASSES | I | 156 | SUGAR CANE \* |
| O | 165 | MOLASSES | I | 157 | SUGAR BEETS \* |
| O | 166 | OTH.FRUCT.SY | I | 64 | STARCH MAIZE |
| O | 167 | SUGAR NES | I | 164 | SUGAR REFIND |
| O | 168 | SUGAR CONF | I | 164 | SUGAR REFIND |
| O | 169 | BEET PULP | I | 157 | SUGAR BEETS \* |
| O | 170 | BAGASSE | I | 156 | SUGAR CANE \* |
| O | 170 | BAGASSE | I | 156 | SUGAR CANE \* |
| O | 171 | SUGARS FLAV | I | 164 | SUGAR REFIND |
| O | 172 | GLUCOSE | I | 64 | STARCH MAIZE |
| O | 173 | LACTOSE | I | 903 | WHEY, FRESH |
| O | 175 | ISOGLUCOSE | I | 172 | GLUCOSE |
| O | 212 | FLOUR PULSES | I | 211 | PULSES NES \* |
| O | 213 | BRAN PULSES | I | 211 | PULSES NES \* |
| O | 229 | BRAZ NUTS SH | I | 216 | BRAZIL NUTS |
| O | 230 | CASHEW SHE | I | 217 | CASHEW NUTS |
| O | 231 | ALMONDS SHE | I | 221 | ALMONDS |
| O | 232 | WALENUTS SHE | I | 222 | WALNUTS |
| O | 233 | HAZELNUTS SH | I | 225 | HAZELNUTS |
| O | 235 | PREPRD NUTS | I | 234 | NUTS NES |
| O | 237 | OIL SOYABEAN | I | 236 | SOYBEANS \* |
| O | 238 | CAKE SOYBEAN | I | 236 | SOYBEANS \* |
| O | 239 | SOYA SAUCE | I | 236 | SOYBEANS |
| O | 240 | SOYA PASTE | I | 236 | SOYBEANS |
| O | 241 | SOYA CURD | I | 236 | SOYBEANS |
| O | 243 | GROUNDNUT SH | I | 242 | GROUNDNUTS |
| O | 244 | OIL GROUNDNT | I | 243 | GROUNDNUT SH \* |
| O | 245 | CAKE GROUNDT | I | 243 | GROUNDNUT SH \* |
| O | 246 | GROUNDNT PRE | I | 243 | GROUNDNUT SH |
| O | 247 | PEANUT BUTTE | I | 243 | GROUNDNUT SH |
| O | 250 | COCONUTS,DES | I | 249 | COCONUTS |
| O | 251 | COPRA | I | 249 | COCONUTS |
| O | 252 | OIL COCONUTS | I | 251 | COPRA \* |
| O | 253 | CAKE COCONUT | I | 251 | COPRA \* |
| O | 256 | PALM KERNELS | I | 254 | OIL PALM FRT \* |
| O | 257 | PALM OIL | I | 254 | OIL PALM FRT \* |
| O | 258 | OIL,PALM KER | I | 256 | PALM KERNELS \* |
| O | 259 | CAKE,PALM KE | I | 256 | PALM KERNELS \* |
| O | 261 | OLIVE OIL | I | 260 | OLIVES \* |
| O | 262 | OLIVE,PRES | I | 260 | OLIVES |
| O | 264 | KARIT NT BUT | I | 263 | KARITE NUTS |
| O | 266 | OIL CAST BNS | I | 265 | CASTOR BEANS |
| O | 268 | OIL SUNF SD | I | 267 | SUNFLWR SEED \* |
| O | 269 | CAKE SUNF SD | I | 267 | SUNFLWR SEED \* |
| O | 271 | OIL RAPESEED | I | 270 | RAPESEED \* |
| O | 272 | CAKE RAPESEE | I | 270 | RAPESEED \* |
| O | 273 | OLIVE RESID | I | 260 | OLIVES \* |
| O | 274 | OIL OLIVERES | I | 273 | OLIVE RESID |
| O | 276 | TUNG OIL | I | 275 | TUNG NUTS |
| O | 281 | OIL SAFFLWER | I | 280 | SAFFLOWER \* |
| O | 282 | CAKE SAFFLWR | I | 280 | SAFFLOWER \* |
| O | 290 | OIL SES SD | I | 289 | SESAME SEED \* |
| O | 291 | CAKE SES SD | I | 289 | SESAME SEED \* |
| O | 293 | OIL MUST SD | I | 292 | MUSTARD SEED \* |
| O | 294 | CAKE MUSTARD | I | 292 | MUSTARD SEED \* |
| O | 295 | FLOUR MUSTAR | I | 292 | MUSTARD SEED |
| O | 297 | OIL POP SD | I | 296 | POPPY SEED \* |
| O | 298 | CAKE POP SD | I | 296 | POPPY SEED \* |
| O | 306 | VEG TALLOW | I | 305 | TALLOW SEEDS \* |
| O | 307 | STILLING OIL | I | 305 | TALLOW SEEDS \* |
| O | 311 | KAPOKSEED SH | I | 310 | KAPOK FRUIT \* |
| O | 312 | KAPOKSEE SHE | I | 311 | KAPOKSEED SH |
| O | 313 | OIL OF KAPOK | I | 312 | KAPOKSEE SHE \* |
| O | 314 | CAKE KAPOK | I | 312 | KAPOKSEE SHE \* |
| O | 329 | COTTONSEED | I | 328 | SEED COTTON \* |
| O | 331 | OIL COTTON S | I | 329 | COTTONSEED \* |
| O | 332 | CAKE COTTON | I | 329 | COTTONSEED \* |
| O | 334 | OIL LINSEED | I | 333 | LINSEED \* |
| O | 335 | CAKE LINSEED | I | 333 | LINSEED \* |
| O | 337 | OIL HEMPSD | I | 336 | HEMPSEED \* |
| O | 338 | CAKE HEMPSD | I | 336 | HEMPSEED \* |
| O | 340 | OIL VG OR NS | I | 339 | OILSEEDS NES \* |
| O | 341 | CAK OILSD NS | I | 339 | OILSEEDS NES \* |
| O | 343 | OIL MEALS | I | 339 | OILSEEDS NES |
| O | 389 | TOMATO JUI C | I | 388 | TOMATOES |
| O | 390 | JUICE TOMATO | I | 388 | TOMATOES |
| O | 391 | TOMATO PASTE | I | 388 | TOMATOES |
| O | 392 | PEELD TOMATO | I | 388 | TOMATOES |
| O | 447 | SWT CORN FRZ | I | 446 | GREEN CORN |
| O | 448 | SWT CORN PRE | I | 446 | GREEN CORN |
| O | 450 | MUSHROOMS DR | I | 449 | MUSHROOMS |
| O | 451 | MUSHROOMS CN | I | 449 | MUSHROOMS |
| O | 464 | VEGET DR NES | I | 463 | VEGETABLES |
| O | 465 | VEGT CAN NES | I | 463 | VEGETABLES |
| O | 466 | JUICE VEG NS | I | 463 | VEGETABLES |
| O | 469 | VEGS DEHYDR | I | 463 | VEGETABLES |
| O | 471 | VEGS VINEGAR | I | 463 | VEGETABLES |
| O | 472 | VEGS PR NES | I | 463 | VEGETABLES |
| O | 473 | VEGS FROZEN | I | 463 | VEGETABLES |
| O | 474 | VEGS TEMP PR | I | 463 | VEGETABLES |
| O | 475 | VEGS PR FRZN | I | 463 | VEGETABLES |
| O | 476 | VEGS HOMOG P | I | 463 | VEGETABLES |
| O | 491 | ORANJUICE SS | I | 490 | ORANGES |
| O | 492 | ORANJUICE CC | I | 490 | ORANGES |
| O | 496 | TANGERINE JU | I | 495 | TANGERINES |
| O | 498 | LEMONJUICE S | I | 497 | LEMON LIMES |
| O | 499 | LEMONJUICE C | I | 497 | LEMON LIMES |
| O | 509 | GRAPEF JUICE | I | 507 | GRAPEFRUIT |
| O | 510 | GRAPEFJUI CC | I | 507 | GRAPEFRUIT |
| O | 513 | CITRUS JUICE | I | 512 | CITR FRT NES |
| O | 514 | CITRUS JUI C | I | 512 | CITR FRT NES |
| O | 517 | FERM BEVERAG | I | 515 | APPLES |
| O | 518 | APPLEJUICE S | I | 515 | APPLES |
| O | 519 | APPLEJUICE C | I | 515 | APPLES |
| O | 527 | APRICOTS DRY | I | 526 | APRICOTS |
| O | 537 | PLUMS, DRIED | I | 536 | PLUMS |
| O | 538 | PLUMJUICE SS | I | 536 | PLUMS |
| O | 539 | PLUMJUICE CC | I | 536 | PLUMS |
| O | 561 | RAISINS | I | 560 | GRAPES |
| O | 562 | GRAPE JUICE | I | 560 | GRAPES |
| O | 563 | MUST GRAPES | I | 560 | GRAPES \* |
| O | 564 | WINE | I | 560 | GRAPES \* |
| O | 565 | VERMTH SIMIL | I | 564 | WINE |
| O | 566 | GRAPE MARC | I | 560 | GRAPES \* |
| O | 566 | GRAPE MARC | I | 560 | GRAPES \* |
| O | 570 | FIGS, DRIED | I | 569 | FIGS |
| O | 575 | PINEAPPLE CA | I | 574 | PINEAPPLES \* |
| O | 576 | PINEAP JUI S | I | 574 | PINEAPPLES \* |
| O | 580 | PINEAP JUI C | I | 574 | PINEAPPLES |
| O | 583 | MANGO JUICE | I | 571 | MANGOES \* |
| O | 584 | MANGO PULP | I | 571 | MANGOES \* |
| O | 604 | FR TRP DR NS | I | 603 | FRT TROP NES |
| O | 620 | FRUIT DR NES | I | 619 | FRUIT NES |
| O | 622 | FRUIT JUICE | I | 619 | FRUIT NES |
| O | 623 | FRUIT PR NES | I | 619 | FRUIT NES |
| O | 624 | FLOUR FRUIT | I | 619 | FRUIT NES |
| O | 625 | FRUIT NT.PL. | I | 536 | PLUMS |
| O | 626 | FRUIT HOM.CK | I | 536 | PLUMS |
| O | 632 | ALC NON FOOD | I | 165 | MOLASSES |
| O | 633 | BEV NON ALC | I | 172 | GLUCOSE |
| O | 634 | BEV DIS ALC | I | 165 | MOLASSES |
| O | 657 | COFFEE ROAST | I | 656 | COFFEE,GREEN |
| O | 658 | COFFEE SUBST | I | 459 | CHICORY ROOT |
| O | 659 | COFFEE EXTR | I | 656 | COFFEE,GREEN |
| O | 662 | COCOA PASTE | I | 661 | COCOA BEANS \* |
| O | 663 | COCOA HUSKS | I | 661 | COCOA BEANS \* |
| O | 664 | COCOA BUTTER | I | 662 | COCOA PASTE \* |
| O | 665 | COCOA POWDER | I | 662 | COCOA PASTE \* |
| O | 666 | CHOC PROD NE | I | 665 | COCOA POWDER |
| O | 755 | PYRET EXTR. | I | 754 | PYRETHRUM \* |
| O | 756 | PYRET MARC | I | 754 | PYRETHRUM \* |
| O | 767 | COTTON LINT | I | 328 | SEED COTTON \* |
| O | 769 | COTTON WASTE | I | 328 | SEED COTTON \* |
| O | 770 | COTTON LINTR | I | 329 | COTTONSEED \* |
| O | 778 | KAPOK FIBRE | I | 310 | KAPOK FRUIT \* |
| O | 828 | CIGARETTES | I | 826 | TOBACCO |
| O | 829 | CIGARS | I | 826 | TOBACCO |
| O | 831 | TOBACCO PROD | I | 826 | TOBACCO |
| O | 837 | RUBBER DRY | I | 836 | NAT RUBBER |
| O | 846 | GLUT FEEDME | I | 63 | MAIZE GLUTEN |
| O | 867 | BEEF VEAL | I | 866 | CATTLE \* |
| O | 868 | OFFALS CATTL | I | 866 | CATTLE \* |
| O | 869 | FAT CATTLE | I | 866 | CATTLE \* |
| O | 870 | BEEF BONELES | I | 867 | BEEF VEAL \* |
| O | 871 | CATTLE BU FA | I | 867 | BEEF VEAL \* |
| O | 872 | BEEF DSS | I | 867 | BEEF VEAL |
| O | 872 | BEEF DSS | I | 870 | BEEF BONELES |
| O | 873 | MEAT EXTRACT | I | 867 | BEEF VEAL |
| O | 874 | SAUSAGE BEEF | I | 867 | BEEF VEAL |
| O | 874 | SAUSAGE BEEF | I | 870 | BEEF BONELES |
| O | 875 | BEEF PREP | I | 867 | BEEF VEAL |
| O | 875 | BEEF PREP | I | 870 | BEEF BONELES |
| O | 876 | BEEF CANNED | I | 867 | BEEF VEAL |
| O | 877 | MEAT HOMOG P | I | 867 | BEEF VEAL |
| O | 878 | LIVER PREPAR | I | 868 | OFFALS CATTL |
| O | 885 | CREAM, FRESH | I | 882 | COW MILK \* |
| O | 886 | BUTTER, COWS | I | 882 | COW MILK \* |
| O | 886 | BUTTER, COWS | I | 882 | COW MILK \* |
| O | 887 | GHEE, COWS | I | 882 | COW MILK \* |
| O | 888 | SK MILK COWS | I | 882 | COW MILK \* |
| O | 888 | SK MILK COWS | I | 882 | COW MILK \* |
| O | 888 | SK MILK COWS | I | 882 | COW MILK \* |
| O | 889 | WH MILK,COND | I | 882 | COW MILK |
| O | 890 | WHEY,CONDENS | I | 903 | WHEY, FRESH |
| O | 891 | YOGURT | I | 882 | COW MILK |
| O | 892 | YOGURT CONCE | I | 891 | YOGURT |
| O | 893 | BTRM,CUR,ACD | I | 882 | COW MILK \* |
| O | 894 | WH MILK,EVAP | I | 882 | COW MILK |
| O | 895 | SKMILK EVAP | I | 888 | SK MILK COWS |
| O | 896 | SK MILK COND | I | 888 | SK MILK COWS |
| O | 897 | COWMILK DRY | I | 882 | COW MILK |
| O | 898 | MILK SK DR C | I | 888 | SK MILK COWS |
| O | 899 | DRY BUTTERMI | I | 888 | SK MILK COWS |
| O | 899 | DRY BUTTERMI | I | 893 | BTRM,CUR,ACD |
| O | 900 | DRY WHEY | I | 903 | WHEY, FRESH |
| O | 901 | CHEESE W COW | I | 882 | COW MILK \* |
| O | 903 | WHEY, FRESH | I | 882 | COW MILK \* |
| O | 903 | WHEY, FRESH | I | 888 | SK MILK COWS \* |
| O | 903 | WHEY, FRESH | I | 900 | DRY WHEY |
| O | 903 | WHEY, FRESH | I | 951 | BUFFALO MILK \* |
| O | 903 | WHEY, FRESH | I | 954 | MILK SK BUFF \* |
| O | 903 | WHEY, FRESH | I | 982 | SHEEP MILK \* |
| O | 903 | WHEY, FRESH | I | 985 | SK MILK SHEE \* |
| O | 903 | WHEY, FRESH | I | 1020 | GOAT MILK \* |
| O | 903 | WHEY, FRESH | I | 1023 | GOAT MILK SK \* |
| O | 904 | CHEESE S COW | I | 888 | SK MILK COWS \* |
| O | 905 | WHEY CHEESE | I | 903 | WHEY, FRESH |
| O | 907 | CHEESE PROC | I | 901 | CHEESE W COW |
| O | 908 | MILK RECST | I | 895 | SKMILK EVAP |
| O | 908 | MILK RECST | I | 896 | SK MILK COND |
| O | 908 | MILK RECST | I | 898 | MILK SK DR C |
| O | 908 | MILK RECST | I | 899 | DRY BUTTERMI |
| O | 916 | EGG ALBUMINE | I | 1063 | EGGS L HEN |
| O | 917 | CASEIN | I | 888 | SK MILK COWS |
| O | 919 | CATTLE HIDES | I | 866 | CATTLE \* |
| O | 920 | HIDE W CATTL | I | 919 | CATTLE HIDES |
| O | 921 | HIDE D CATTL | I | 920 | HIDE W CATTL |
| O | 922 | HIDE N CATTL | I | 919 | CATTLE HIDES |
| O | 928 | SKIN W CALVE | I | 919 | CATTLE HIDES |
| O | 929 | SKIN D CALVE | I | 928 | SKIN W CALVE |
| O | 930 | SKIN N CATTL | I | 919 | CATTLE HIDES |
| O | 947 | BUFFALO MEAT | I | 946 | BUFFALOES \* |
| O | 948 | OFFAL BUFFAL | I | 946 | BUFFALOES \* |
| O | 949 | FAT BUFFALO | I | 946 | BUFFALOES \* |
| O | 952 | BUTTER BUFFL | I | 951 | BUFFALO MILK \* |
| O | 953 | GHEE BUFFALO | I | 951 | BUFFALO MILK \* |
| O | 954 | MILK SK BUFF | I | 951 | BUFFALO MILK \* |
| O | 954 | MILK SK BUFF | I | 951 | BUFFALO MILK \* |
| O | 955 | CHEES BUFFL | I | 951 | BUFFALO MILK \* |
| O | 955 | CHEES BUFFL | I | 954 | MILK SK BUFF \* |
| O | 957 | BUFFALO HIDE | I | 946 | BUFFALOES \* |
| O | 958 | HIDE W BUFFL | I | 957 | BUFFALO HIDE |
| O | 959 | HIDE D BUFFL | I | 958 | HIDE W BUFFL |
| O | 977 | MUTTON LAMB | I | 976 | SHEEP \* |
| O | 978 | OFFALS SHEEP | I | 976 | SHEEP \* |
| O | 979 | FAT OF SHEEP | I | 976 | SHEEP \* |
| O | 983 | BUTTER SHEEP | I | 982 | SHEEP MILK \* |
| O | 984 | SHEEP CHEESE | I | 982 | SHEEP MILK \* |
| O | 984 | SHEEP CHEESE | I | 985 | SK MILK SHEE \* |
| O | 985 | SK MILK SHEE | I | 982 | SHEEP MILK \* |
| O | 995 | SHEEPSKINS | I | 976 | SHEEP \* |
| O | 996 | SKIN W SHEEP | I | 995 | SHEEPSKINS |
| O | 997 | SKIN D SHEEP | I | 996 | SKIN W SHEEP |
| O | 998 | SKIN NES SH | I | 995 | SHEEPSKINS |
| O | 999 | SKINWOOL SH | I | 995 | SHEEPSKINS |
| O | 1017 | GOAT MEAT | I | 1016 | GOATS \* |
| O | 1018 | OFFALS GOATS | I | 1016 | GOATS \* |
| O | 1019 | FAT OF GOATS | I | 1016 | GOATS \* |
| O | 1021 | GOAT CHEESE | I | 1020 | GOAT MILK \* |
| O | 1021 | GOAT CHEESE | I | 1023 | GOAT MILK SK \* |
| O | 1022 | GOAT BUTTER | I | 1020 | GOAT MILK \* |
| O | 1023 | GOAT MILK SK | I | 1020 | GOAT MILK \* |
| O | 1025 | GOATSKINS | I | 1016 | GOATS \* |
| O | 1026 | SKIN W GOAT | I | 1025 | GOATSKINS |
| O | 1027 | SKIN D GOAT | I | 1026 | SKIN W GOAT |
| O | 1028 | SKIN NES GOA | I | 1025 | GOATSKINS |
| O | 1035 | PIGMEAT | I | 1034 | PIGS \* |
| O | 1035 | PIGMEAT | I | 1034 | PIGS \* |
| O | 1036 | OFFALS PIGS | I | 1034 | PIGS \* |
| O | 1036 | OFFALS PIGS | I | 1034 | PIGS \* |
| O | 1037 | FAT PIGS | I | 1034 | PIGS \* |
| O | 1037 | FAT PIGS | I | 1034 | PIGS \* |
| O | 1038 | PORK | I | 1035 | PIGMEAT \* |
| O | 1039 | BACON PIGS | I | 1035 | PIGMEAT |
| O | 1040 | PIG BU FAT | I | 1035 | PIGMEAT \* |
| O | 1041 | SAUSAGES PIG | I | 1035 | PIGMEAT |
| O | 1041 | SAUSAGES PIG | I | 1038 | PORK |
| O | 1042 | MEAT PR PIG | I | 1035 | PIGMEAT |
| O | 1042 | MEAT PR PIG | I | 1038 | PORK |
| O | 1043 | LARD | I | 1037 | FAT PIGS |
| O | 1044 | PIGSKINS | I | 1034 | PIGS \* |
| O | 1044 | PIGSKINS | I | 1035 | PIGMEAT |
| O | 1045 | SKIN W PIGS | I | 1044 | PIGSKINS |
| O | 1046 | SKIN D PIGS | I | 1045 | SKIN W PIGS |
| O | 1047 | SKIN NES PIG | I | 1044 | PIGSKINS |
| O | 1058 | CHICKEN MEAT | I | 1057 | CHICKENS \* |
| O | 1058 | CHICKEN MEAT | I | 1057 | CHICKENS |
| O | 1059 | OFFAL CHICKN | I | 1057 | CHICKENS \* |
| O | 1059 | OFFAL CHICKN | I | 1058 | CHICKEN MEAT |
| O | 1060 | MEAT PR CHCK | I | 1058 | CHICKEN MEAT |
| O | 1061 | MEAT CD CHCK | I | 1058 | CHICKEN MEAT |
| O | 1063 | EGGS L HEN | I | 1062 | HEN EGGS |
| O | 1064 | EGGS DRY HEN | I | 1062 | HEN EGGS |
| O | 1065 | FAT POULTRY | I | 1058 | CHICKEN MEAT |
| O | 1066 | FAT R POULTR | I | 1065 | FAT POULTRY |
| O | 1069 | DUCK MEAT | I | 1068 | DUCKS |
| O | 1073 | GOOSE MEAT | I | 1072 | GEESE |
| O | 1074 | LIVER G OFF | I | 1072 | GEESE |
| O | 1074 | LIVER G OFF | I | 1073 | GOOSE MEAT |
| O | 1075 | LIVER D OFF | I | 1068 | DUCKS |
| O | 1080 | TURKEY MEAT | I | 1079 | TURKEYS |
| O | 1081 | LIVER T OFF | I | 1079 | TURKEYS |
| O | 1081 | LIVER T OFF | I | 1080 | TURKEY MEAT |
| O | 1089 | POULTRY MEAT | I | 1083 | PIGN OTH PLT |
| O | 1089 | POULTRY MEAT | I | 1083 | PIGN OTH PLT \* |
| O | 1097 | HORSEMEAT | I | 1096 | HORSES \* |
| O | 1097 | HORSEMEAT | I | 1096 | HORSES \* |
| O | 1097 | HORSEMEAT | I | 1096 | HORSES |
| O | 1098 | OFFALS HORSE | I | 1096 | HORSES \* |
| O | 1102 | HORSE HIDES | I | 1096 | HORSES \* |
| O | 1102 | HORSE HIDES | I | 1096 | HORSES \* |
| O | 1103 | HIDE W HORSE | I | 1102 | HORSE HIDES |
| O | 1104 | HIDE D HORSE | I | 1103 | HIDE W HORSE |
| O | 1105 | HIDE U HORSE | I | 1102 | HORSE HIDES |
| O | 1108 | MEAT ASSES | I | 1107 | ASSES \* |
| O | 1109 | HIDE ASSES F | I | 1107 | ASSES \* |
| O | 1111 | MEAT MULES | I | 1110 | MULES \* |
| O | 1112 | HIDE MULES F | I | 1110 | MULES \* |
| O | 1127 | MEAT CAMEL | I | 1126 | CAMELS \* |
| O | 1128 | OFFALS CAMEL | I | 1126 | CAMELS \* |
| O | 1129 | FAT CAMEL | I | 1126 | CAMELS \* |
| O | 1133 | HIDES CAMEL | I | 1126 | CAMELS \* |
| O | 1134 | HIDES W CAME | I | 1133 | HIDES CAMEL |
| O | 1135 | HIDES D CAME | I | 1134 | HIDES W CAME |
| O | 1136 | HIDE U CAMEL | I | 1133 | HIDES CAMEL |
| O | 1141 | RABBIT MEAT | I | 1140 | RABBITS \* |
| O | 1146 | RABBIT SKINS | I | 1140 | RABBITS \* |
| O | 1151 | MEAT OTH ROD | I | 1150 | OTHER RODENT |
| O | 1158 | MEAT OTH CAM | I | 1157 | OTH CAMELIDS \* |
| O | 1159 | OFFL OTH CAM | I | 1157 | OTH CAMELIDS \* |
| O | 1160 | FAT OTH CAM | I | 1157 | OTH CAMELIDS \* |
| O | 1164 | MEAT DRY NES | I | 1166 | MEAT NES |
| O | 1167 | OFFALS NES | I | 1166 | MEAT NES |
| O | 1168 | OILS ANIMAL | I | 869 | FAT CATTLE |
| O | 1172 | MEAT PR NES | I | 1166 | MEAT NES |
| O | 1213 | HIDES NES FR | I | 1083 | PIGN OTH PLT \* |
| O | 1214 | HIDE WS | I | 1213 | HIDES NES FR |
| O | 1215 | HIDE DS | I | 1214 | HIDE WS |
| O | 1219 | HAIR COARSE | I | 1083 | PIGN OTH PLT \* |
| O | 1221 | STEARINE | I | 1043 | LARD |
| O | 1225 | TALLOW | I | 869 | FAT CATTLE |
| O | 1232 | FOOD PREP | I | 568 | MEL INC CANT |
| O | 1241 | LIQ MARGARIN | I | 340 | OIL VG OR NS |
| O | 1242 | MARGARINE | I | 340 | OIL VG OR NS |
| O | 1243 | FATS PREP NS | I | 869 | FAT CATTLE |
| O | 1273 | CASTOR OIL H | I | 266 | OIL CAST BNS |
| O | 1274 | OILS BOILED | I | 334 | OIL LINSEED |
| O | 1275 | OILS HYDROGN | I | 340 | OIL VG OR NS |
| O | 1276 | FATTY ACIDS | I | 257 | PALM OIL |
| O | 1277 | RES FATTY S | I | 257 | PALM OIL |
| O | 1502 | FRWTR FZ WHL | I | 1501 | FRWTR DIAD F |
| O | 1503 | FRWTR FILLET | I | 1501 | FRWTR DIAD F |
| O | 1503 | FRWTR FILLET | I | 1502 | FRWTR FZ WHL |
| O | 1504 | FRWTR FZ FLT | I | 1501 | FRWTR DIAD F |
| O | 1504 | FRWTR FZ FLT | I | 1502 | FRWTR FZ WHL |
| O | 1505 | FRWTR CURED | I | 1501 | FRWTR DIAD F |
| O | 1505 | FRWTR CURED | I | 1502 | FRWTR FZ WHL |
| O | 1506 | FRWTR CANNED | I | 1501 | FRWTR DIAD F |
| O | 1506 | FRWTR CANNED | I | 1502 | FRWTR FZ WHL |
| O | 1507 | FRWTR PR NES | I | 1501 | FRWTR DIAD F |
| O | 1507 | FRWTR PR NES | I | 1502 | FRWTR FZ WHL |
| O | 1508 | FRWTR MEALS | I | 1501 | FRWTR DIAD F |
| O | 1508 | FRWTR MEALS | I | 1502 | FRWTR FZ WHL |
| O | 1515 | DMRSL FZ WHL | I | 1514 | DMRSL FRESH |
| O | 1516 | DMRSL FILLET | I | 1514 | DMRSL FRESH |
| O | 1516 | DMRSL FILLET | I | 1515 | DMRSL FZ WHL |
| O | 1517 | DMRSL FZ FLT | I | 1514 | DMRSL FRESH |
| O | 1517 | DMRSL FZ FLT | I | 1515 | DMRSL FZ WHL |
| O | 1518 | DMRSL CURED | I | 1514 | DMRSL FRESH |
| O | 1518 | DMRSL CURED | I | 1515 | DMRSL FZ WHL |
| O | 1518 | DMRSL CURED | I | 1517 | DMRSL FZ FLT |
| O | 1519 | DMRSL CANNED | I | 1514 | DMRSL FRESH |
| O | 1519 | DMRSL CANNED | I | 1515 | DMRSL FZ WHL |
| O | 1519 | DMRSL CANNED | I | 1517 | DMRSL FZ FLT |
| O | 1520 | DMRSL PR NES | I | 1514 | DMRSL FRESH |
| O | 1520 | DMRSL PR NES | I | 1515 | DMRSL FZ WHL |
| O | 1521 | DMRSL MEALS | I | 1514 | DMRSL FRESH |
| O | 1528 | PELGC FZ WHL | I | 1527 | PELAGIC FRSH |
| O | 1529 | PELGC FILLET | I | 1527 | PELAGIC FRSH |
| O | 1529 | PELGC FILLET | I | 1528 | PELGC FZ WHL |
| O | 1530 | PELGC FZ FLT | I | 1527 | PELAGIC FRSH |
| O | 1530 | PELGC FZ FLT | I | 1528 | PELGC FZ WHL |
| O | 1531 | PELGC CURED | I | 1527 | PELAGIC FRSH |
| O | 1531 | PELGC CURED | I | 1528 | PELGC FZ WHL |
| O | 1531 | PELGC CURED | I | 1530 | PELGC FZ FLT |
| O | 1532 | PELGC CANNED | I | 1527 | PELAGIC FRSH |
| O | 1532 | PELGC CANNED | I | 1528 | PELGC FZ WHL |
| O | 1532 | PELGC CANNED | I | 1530 | PELGC FZ FLT |
| O | 1533 | PELGC PR NES | I | 1527 | PELAGIC FRSH |
| O | 1533 | PELGC PR NES | I | 1528 | PELGC FZ WHL |
| O | 1534 | PELGC MEALS | I | 1527 | PELAGIC FRSH |
| O | 1541 | MARINE FZ WH | I | 1540 | MARINE NES F |
| O | 1542 | MARIN FILLET | I | 1540 | MARINE NES F |
| O | 1542 | MARIN FILLET | I | 1541 | MARINE FZ WH |
| O | 1543 | MARIN FZ FLT | I | 1540 | MARINE NES F |
| O | 1543 | MARIN FZ FLT | I | 1541 | MARINE FZ WH |
| O | 1544 | MARIN CURED | I | 1540 | MARINE NES F |
| O | 1544 | MARIN CURED | I | 1541 | MARINE FZ WH |
| O | 1544 | MARIN CURED | I | 1543 | MARIN FZ FLT |
| O | 1545 | MARIN CANNED | I | 1540 | MARINE NES F |
| O | 1545 | MARIN CANNED | I | 1541 | MARINE FZ WH |
| O | 1545 | MARIN CANNED | I | 1543 | MARIN FZ FLT |
| O | 1546 | MARIN PR NES | I | 1540 | MARINE NES F |
| O | 1546 | MARIN PR NES | I | 1541 | MARINE FZ WH |
| O | 1547 | MARIN MEALS | I | 1540 | MARINE NES F |
| O | 1554 | CRSTC FROZEN | I | 1553 | CRSTACEANS F |
| O | 1555 | CRSTC CURED | I | 1553 | CRSTACEANS F |
| O | 1555 | CRSTC CURED | I | 1554 | CRSTC FROZEN |
| O | 1556 | CRSTC CANNED | I | 1553 | CRSTACEANS F |
| O | 1556 | CRSTC CANNED | I | 1554 | CRSTC FROZEN |
| O | 1557 | CRSTC PR NES | I | 1553 | CRSTACEANS F |
| O | 1557 | CRSTC PR NES | I | 1554 | CRSTC FROZEN |
| O | 1558 | CRSTC MEALS | I | 1553 | CRSTACEANS F |
| O | 1563 | MOLSC FROZEN | I | 1562 | MLLUSCS FRSH |
| O | 1564 | MOLSC CURED | I | 1562 | MLLUSCS FRSH |
| O | 1564 | MOLSC CURED | I | 1563 | MOLSC FROZEN |
| O | 1565 | MOLSC CANNED | I | 1562 | MLLUSCS FRSH |
| O | 1565 | MOLSC CANNED | I | 1563 | MOLSC FROZEN |
| O | 1566 | MOLSC MEALS | I | 1562 | MLLUSCS FRSH |
| O | 1571 | CPHLP FROZEN | I | 1570 | CEPHLP FRESH |
| O | 1572 | CPHLP CURED | I | 1570 | CEPHLP FRESH |
| O | 1573 | CPHLP CANNED | I | 1570 | CEPHLP FRESH |
| O | 1574 | CPHLP PR NES | I | 1570 | CEPHLP FRESH |
| O | 1575 | CPHLP MEALS | I | 1570 | CEPHLP FRESH |
| O | 1580 | AQ M MEAT | I | 1570 | CEPHLP FRESH |
| O | 1581 | AQ M MEALS | I | 1570 | CEPHLP FRESH |
| O | 1582 | AQ M OILS | I | 1570 | CEPHLP FRESH |
| O | 1583 | AQ M PREP NS | I | 1570 | CEPHLP FRESH |
| O | 1584 | AQ M MEAL OF | I | 1570 | CEPHLP FRESH |
| O | 1588 | AQ A CURED | I | 1587 | AQUTC ANIM F |
| O | 1589 | AQ A MEALS | I | 1587 | AQUTC ANIM F |
| O | 1590 | AQ A PREP NS | I | 1587 | AQUTC ANIM F |
| O | 1595 | AQ P DRIED | I | 1594 | AQUTC PLANTS |
| O | 1596 | AQ P PREP NS | I | 1594 | AQUTC PLANTS |

## Aggregation to FBS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Item\_N | Inc.\_Tot | Agg\_Com | Weight | Target | FBS\_C | FBS\_N | Type\_conv |
| WHEAT | 1 | T |  | Target | 2511 | WHEAT & PRODUCTS |  |
| FLOUR WHEAT | 1 | B |  |  |  |  |  |
| BRAN WHEAT | 1 | B | w=0 | Target | 2511 | WHEAT & PRODUCTS | (cal.) |
| MACARONI | 1 | B |  |  |  |  |  |
| GERM WHEAT | 1 | B | w=0 | Target | 2511 | WHEAT & PRODUCTS | (cal.) |
| BREAD | 1 | B |  |  |  |  |  |
| BULGUR | 1 | B |  |  |  |  |  |
| PASTRY | 1 | B |  |  |  |  |  |
| WHEAT,STARCH | 1 | B |  |  |  |  |  |
| WHEAT GLUTEN | 1 | B | w=0 | Target | 2511 | WHEAT & PRODUCTS | (cal.) |
| WHEAT FER BE | 1 | T |  | Target | 2657 | BEVERAGES, FERMENTED |  |
| RICE, PADDY | 1 | T |  | Target | 2805 | RICE & PROD (MILLEDEQ.) |  |
| RICE,HUSKED | 1 | B |  |  |  |  |  |
| MIL/HUS RICE | 1 | B |  |  |  |  |  |
| MIL PAD RICE | 1 | B |  |  |  |  |  |
| RICE,BROKEN | 1 | B |  |  |  |  |  |
| RICE GLUTEN | 1 | B | w=0 | Target | 2805 | RICE & PROD (MILLEDEQ.) | (cal.) |
| RICE,STARCH | 1 | B |  |  |  |  |  |
| BRAN RICE | 1 | B | w=0 | Target | 2805 | RICE & PROD (MILLEDEQ.) | (cal.) |
| OIL RICE BRN | 1 | T |  | Target | 2581 | RICE, BRAN OIL |  |
| CAKE RICEBRN | 1 | T | w=0 | Target | 2598 | OILSEEDS, OTHERS, CAKE |  |
| RICE FLOUR | 1 | B |  |  |  |  |  |
| RICE FER BEV | 1 | T |  | Target | 2657 | BEVERAGES, FERMENTED |  |
| BREAKF CERLS | 1 | B |  |  |  |  |  |
| BARLEY | 1 | T |  | Target | 2513 | BARLEY & PRODUCTS |  |
| POT BARLEY | 1 | B |  |  |  |  |  |
| BARLEY,PEARL | 1 | B |  |  |  |  |  |
| BRAN BARLEY | 1 | B | w=0 | Target | 2513 | BARLEY & PRODUCTS | (cal.) |
| BARLEY FL GR | 1 | B |  |  | 2513 | BARLEY & PRODUCTS | (cal.) |
| MALT BARLEY | 1 | B |  |  |  |  |  |
| MALT EXTRACT | 1 | B |  |  |  |  |  |
| BEER BARLEY | 1 | T |  | Target | 2656 | BARLEY, BEER |  |
| MAIZE | 1 | T |  | Target | 2514 | MAIZE & PRODUCTS |  |
| GERM MAIZE | 1 | B | w=0 | Target | 2514 | MAIZE & PRODUCTS | (cal.) |
| FLOUR MAIZE | 1 | B |  |  |  |  |  |
| BRAN MAIZE | 1 | B | w=0 | Target | 2514 | MAIZE & PRODUCTS | (cal.) |
| OIL MAIZE | 1 | T |  | Target | 2582 | MAIZE, GERM OIL |  |
| CAKE MAIZE | 1 | T |  | Target | 2598 | OILSEEDS, OTHERS, CAKE |  |
| MAIZE GLUTEN | 1 | B | w=0 | Target | 2514 | MAIZE & PRODUCTS | (cal.) |
| STARCH MAIZE | 1 | B |  |  |  |  |  |
| BEER MAIZE | 1 | T |  | Target | 2657 | BEVERAGES, FERMENTED |  |
| WHITE MAIZE | 0 | X |  |  |  |  |  |
| POP CORN | 1 | T |  | Target | 2520 | CEREALS,OTHERS &PRODUCTS |  |
| RYE | 1 | T |  | Target | 2515 | RYE & PRODUCTS |  |
| FLOUR RYE | 1 | B |  |  |  |  |  |
| BRAN RYE | 1 | B | w=0 | Target | 2515 | RYE & PRODUCTS | (cal.) |
| OATS | 1 | T |  | Target | 2516 | OATS & PRODUCTS |  |
| OATS, ROLLED | 1 | B |  |  |  |  |  |
| BRAN OATS | 1 | B | w=0 | Target | 2516 | OATS & PRODUCTS | (cal.) |
| MILLET | 1 | T |  | Target | 2517 | MILLET & PRODUCTS |  |
| FLOUR MILLET | 1 | B |  |  |  |  |  |
| BRAN MILLET | 1 | B | w=0 | Target | 2517 | MILLET & PRODUCTS | (cal.) |
| BEER MILLET | 1 | T |  | Target | 2657 | BEVERAGES, FERMENTED |  |
| SORGHUM | 1 | T |  | Target | 2518 | SORGHUM & PRODUCTS |  |
| FLOUR SORGHM | 1 | B |  |  |  |  |  |
| BRAN SORGHUM | 1 | B | w=0 | Target | 2518 | SORGHUM & PRODUCTS | (cal.) |
| BEER SORGHUM | 1 | T |  | Target | 2657 | BEVERAGES, FERMENTED |  |
| BUCKWHEAT | 1 | T |  | Target | 2520 | CEREALS,OTHERS &PRODUCTS |  |
| FLOUR BUCKWH | 1 | B |  |  |  |  |  |
| BRAN BUCKWHT | 1 | B | w=0 | Target | 2520 | CEREALS,OTHERS &PRODUCTS | (cal.) |
| QUINOA | 1 | T |  | Target | 2520 | CEREALS,OTHERS &PRODUCTS |  |
| FONIO | 1 | T |  | Target | 2520 | CEREALS,OTHERS &PRODUCTS |  |
| FLOUR FONIO | 1 | B |  |  |  |  |  |
| BRAN FONIO | 1 | B | w=0 | Target | 2520 | CEREALS,OTHERS &PRODUCTS | (cal.) |
| TRITICALE | 1 | T |  | Target | 2520 | CEREALS,OTHERS &PRODUCTS |  |
| FLOUR TRITIC | 1 | B |  |  |  |  |  |
| BRAN TRITICA | 1 | B | w=0 | Target | 2520 | CEREALS,OTHERS &PRODUCTS | (cal.) |
| CANARY SEED | 1 | T |  | Target | 2520 | CEREALS,OTHERS &PRODUCTS |  |
| MIXED GRAIN | 1 | T |  | Target | 2520 | CEREALS,OTHERS &PRODUCTS |  |
| FLOUR MIX GR | 1 | B |  |  |  |  |  |
| BRAN MIX GR | 1 | B | w=0 | Target | 2520 | CEREALS,OTHERS &PRODUCTS | (cal.) |
| CEREALS NES | 1 | T |  | Target | 2520 | CEREALS,OTHERS &PRODUCTS |  |
| INFANT FOOD | 1 | X |  | Target | 2680 | INFANT FOOD |  |
| WAFERS | 1 | B |  |  |  |  |  |
| FLOUR CEREAL | 1 | B |  |  |  |  |  |
| BRAN CEREAL | 1 | B | w=0 | Target | 2520 | CEREALS,OTHERS &PRODUCTS | (cal.) |
| CER PREP NES | 1 | B |  |  |  |  |  |
| MIXES AND DO | 1 | X |  | Target | 2511 | WHEAT & PRODUCTS | (cal.) |
| FOOD PREP.FL | 1 | X |  | Target | 2511 | WHEAT & PRODUCTS | (cal.) |
| POTATOES | 1 | T |  | Target | 2531 | POTATOES & PRODUCTS |  |
| FLOUR POTAT | 1 | B |  |  |  |  |  |
| FROZ POTATOE | 1 | B |  |  |  |  |  |
| POTATO STCH | 1 | B |  |  |  |  |  |
| POTATO OFFAL | 1 | B | w=0 | Target |  |  |  |
| POTATO TAP | 1 | B |  |  |  |  |  |
| SWEET POTATO | 1 | T |  | Target | 2533 | SWEET POTATOES |  |
| CASSAVA | 1 | T |  | Target | 2532 | CASSAVA & PRODUCTS |  |
| FLOUR CASS | 1 | B |  |  |  |  |  |
| CASSAVA TAP | 1 | B |  |  |  |  |  |
| CASSAVA DR. | 1 | B |  |  |  |  |  |
| CASSAVA STCH | 1 | B |  |  |  |  |  |
| YAUTIA(COC.) | 1 | T |  | Target | 2534 | ROOTS&TUBERS,OTH &PROD. |  |
| TARO | 1 | T |  | Target | 2534 | ROOTS&TUBERS,OTH &PROD. |  |
| YAMS | 1 | T |  | Target | 2535 | YAMS |  |
| ROOTS TUB NS | 1 | T |  | Target | 2534 | ROOTS&TUBERS,OTH &PROD. |  |
| FLOUR RT TUB | 1 | B |  |  |  |  |  |
| ROOTS TUB DR | 1 | B |  |  |  |  |  |
| FRUCTOSE CHE | 1 | X |  | Target | 2543 | SWEETENERS, OTHER &PROD |  |
| MALTOSE CHEM | 1 | X |  | Target | 2543 | SWEETENERS, OTHER &PROD |  |
| SUGAR CANE | 1 | T |  | Target | 2536 | SUGAR CANE |  |
| SUGAR BEETS | 1 | T |  | Target | 2537 | SUGAR BEETS |  |
| CANE SUGAR | 1 | F |  |  |  |  |  |
| BEET SUGAR | 1 | F |  |  |  |  |  |
| MAPLE SUGAR | 1 | X |  | Target | 2543 | SWEETENERS, OTHER &PROD |  |
| SUGAR CROPS | 1 | T |  | Target | 2543 | SWEETENERS, OTHER &PROD |  |
| SUGAR,C. RAW | 1 | T |  | Target | 2542 | SUGAR & PROD. (RAWEQ.) |  |
| SUGAR,N CENT | 1 | T |  | Target | 2541 | SUGAR, NON CENTRIFUGAL |  |
| SUGAR REFIND | 1 | B |  |  |  |  |  |
| MOLASSES | 1 | T | w=0 | Target | 2543 | SWEETENERS, OTHER &PROD | (cal.) |
| OTHER FRUCTO | 1 | T |  | Target | 2543 | SWEETENERS, OTHER &PROD |  |
| SUGAR NES | 1 | T |  | Target | 2543 | SWEETENERS, OTHER &PROD |  |
| SUGAR CONF | 1 | B |  |  |  |  |  |
| BEET P.DRY | 1 | T | w=0 | Target |  |  |  |
| BAGASSE | 1 | T | w=0 | Target |  |  |  |
| SUGARS FLAV | 1 | B |  |  |  |  |  |
| GLUC. DEXTR. | 1 | T |  | Target | 2543 | SWEETENERS, OTHER &PROD |  |
| LACTOSE | 1 | T |  | Target | 2543 | SWEETENERS, OTHER &PROD |  |
| ARTIF SWEETN | 1 | X |  | Target |  |  |  |
| ISOGLUCOSE | 1 | B |  |  |  |  |  |
| BEANS, DRY | 1 | T |  | Target | 2546 | BEANS, DRY & PRODUCTS |  |
| BRD BEANS,DR | 1 | T |  | Target | 2549 | PULSES, OTHER & PROD. |  |
| PEAS, DRY | 1 | T |  | Target | 2547 | PEAS, DRY & PRODUCTS |  |
| CHICK PEAS | 1 | T |  | Target | 2549 | PULSES, OTHER & PROD. |  |
| COW PEAS,DRY | 1 | T |  | Target | 2549 | PULSES, OTHER & PROD. |  |
| PIGEON PEAS | 1 | T |  | Target | 2549 | PULSES, OTHER & PROD. |  |
| LENTILS | 1 | T |  | Target | 2549 | PULSES, OTHER & PROD. |  |
| BAMBARA BEAN | 1 | T |  | Target | 2549 | PULSES, OTHER & PROD. |  |
| VETCHES | 1 | T |  | Target | 2549 | PULSES, OTHER & PROD. |  |
| LUPINS | 1 | T |  | Target | 2549 | PULSES, OTHER & PROD. |  |
| PULSES NES | 1 | T |  | Target | 2549 | PULSES, OTHER & PROD. |  |
| FLOUR PULSES | 1 | B |  |  |  |  |  |
| BRAN PULSES | 1 | B | w=0 | Target | 2549 | PULSES, OTHER & PROD. | (cal.) |
| BRAZIL NUTS | 1 | T |  | Target | 2551 | NUTS & PRODUCTS |  |
| CASHEW NUTS | 1 | T |  | Target | 2551 | NUTS & PRODUCTS |  |
| CHESTNUTS | 1 | X |  | Target | 2551 | NUTS & PRODUCTS |  |
| ALMONDS | 1 | T |  | Target | 2551 | NUTS & PRODUCTS |  |
| WALNUTS | 1 | T |  | Target | 2551 | NUTS & PRODUCTS |  |
| PISTACHIOS | 1 | T |  | Target | 2551 | NUTS & PRODUCTS |  |
| KOLANUTS | 1 | X |  | Target | 2551 | NUTS & PRODUCTS |  |
| HAZELNUTS | 1 | T |  | Target | 2551 | NUTS & PRODUCTS |  |
| ARECANUTS | 1 | X |  | Target | 2551 | NUTS & PRODUCTS |  |
| BRAZILNUT SH | 1 | B |  |  |  |  |  |
| CASHEW SHE | 1 | B |  |  |  |  |  |
| ALMONDS SHE | 1 | B |  |  |  |  |  |
| WALNUTS SHE | 1 | B |  |  |  |  |  |
| HAZELNUTS SH | 1 | B |  |  |  |  |  |
| NUTS NES | 1 | T |  | Target | 2551 | NUTS & PRODUCTS |  |
| PREPRD NUTS | 1 | B |  |  |  |  |  |
| SOYBEANS | 1 | T |  | Target | 2555 | SOYABEANS & PRODUCTS |  |
| OIL SOYABEAN | 1 | T |  | Target | 2571 | SOYABEAN, OIL |  |
| CAKE SOYBEAN | 1 | T | w=0 | Target | 2590 | SOYABEAN, CAKE |  |
| SOYA SAUCE | 1 | B |  |  |  |  |  |
| SOYA PASTE | 1 | B |  |  |  |  |  |
| SOYA CURD | 1 | B |  |  |  |  |  |
| GROUNDNUTS | 1 | T |  | Target | 2556 | GROUNDNUTS (SHELLEDEQ.) |  |
| GROUNDNT SHE | 1 | B |  |  |  |  |  |
| OIL GROUNDNT | 1 | T |  | Target | 2572 | GROUNDNUT, OIL |  |
| CAKE GROUNDT | 1 | T | w=0 | Target | 2591 | GROUNDNUT, CAKE |  |
| PREP GROUND. | 1 | B |  |  |  |  |  |
| PEANUT BUTTE | 1 | B |  |  |  |  |  |
| COCONUTS | 1 | T |  | Target | 2560 | COCONUTS & COPRA |  |
| COCONUTS,DES | 1 | B |  |  |  |  |  |
| COPRA | 1 | B |  |  |  |  |  |
| OIL COCONUTS | 1 | T |  | Target | 2578 | COPRA, OIL |  |
| CAKE COCONUT | 1 | T | w=0 | Target | 2596 | COPRA, CAKE |  |
| OIL PALM FR | 1 | T |  | Target | 2562 | PALMKERNELS |  |
| PALM KERNELS | 1 | T |  | Target | 2562 | PALMKERNELS |  |
| PALM OIL | 1 | T |  | Target | 2577 | PALM, OIL |  |
| OIL,PALM KER | 1 | T |  | Target | 2576 | PALM KERNEL, OIL |  |
| CAKE,PLM KER | 1 | T | w=0 | Target | 2595 | PALMKERNEL, CAKE |  |
| OLIVES | 1 | T |  | Target | 2563 | OLIVES |  |
| OLIVE OIL | 1 | T |  | Target | 2580 | OLIVE & RESIDUE, OIL |  |
| OLIVES,PRES | 1 | B |  |  |  |  |  |
| KARITE NUTS | 1 | T |  | Target | 2570 | OILCROPS, OTHERS |  |
| KARIT NT BUT | 1 | T |  | Target | 2586 | OILCROPS, OTHER OIL |  |
| CASTOR BEANS | 1 | T |  | Target | 2570 | OILCROPS, OTHERS |  |
| OIL CAST BNS | 1 | T |  | Target | 2586 | OILCROPS, OTHER OIL |  |
| SUNFLWR SEED | 1 | T |  | Target | 2557 | SUNFLOWERSEED |  |
| OIL SUNF SD | 1 | T |  | Target | 2573 | SUNFLOWERSEED, OIL |  |
| CAKE SUNF SD | 1 | T | w=0 | Target | 2592 | SUNFLOWERSEED, CAKE |  |
| RAPESEED | 1 | T |  | Target | 2558 | RAPE, MUSTARD SEEDS |  |
| OIL RAPESEED | 1 | T |  | Target | 2574 | RAPE & MUSTARD, OIL |  |
| CAKE RAPESED | 1 | T | w=0 | Target | 2593 | RAPE & MUSTARD, CAKE |  |
| OLIVE RESID | 1 | T |  | Target |  |  |  |
| OIL OLIVERES | 1 | T |  | Target | 2580 | OLIVE & RESIDUE, OIL |  |
| TUNG NUTS | 1 | T |  | Target | 2570 | OILCROPS, OTHERS |  |
| TUNG OIL | 1 | T |  | Target | 2586 | OILCROPS, OTHER OIL |  |
| JOJOBA SEEDS | 1 | X |  | Target | 2570 | OILCROPS, OTHERS |  |
| JOJOBA OIL | 1 | X |  | Target | 2586 | OILCROPS, OTHER OIL |  |
| SAFFLOWER | 1 | T |  | Target | 2570 | OILCROPS, OTHERS |  |
| OIL SAFFLWR | 1 | T |  | Target | 2586 | OILCROPS, OTHER OIL |  |
| CAKE SAFFLWR | 1 | T | w=0 | Target | 2598 | OILSEEDS, OTHERS, CAKE |  |
| SESAME SEED | 1 | T |  | Target | 2561 | SESAMESEED |  |
| OIL SES SD | 1 | T |  | Target | 2579 | SESAMESEED, OIL |  |
| CAKE SES SD | 1 | T | w=0 | Target | 2597 | SESAMESEED, CAKE |  |
| MUSTARD SEED | 1 | T |  | Target | 2558 | RAPE, MUSTARD SEEDS |  |
| OIL MUST SD | 1 | T |  | Target | 2574 | RAPE & MUSTARD, OIL |  |
| CAKE MUSTARD | 1 | T | w=0 | Target | 2593 | RAPE & MUSTARD, CAKE |  |
| FLOUR MUSTAR | 1 | B |  |  |  |  |  |
| POPPY SEED | 1 | T |  | Target | 2570 | OILCROPS, OTHERS |  |
| OIL POP SD | 1 | T |  | Target | 2586 | OILCROPS, OTHER OIL |  |
| CAKE POP SD | 1 | T | w=0 | Target | 2598 | OILSEEDS, OTHERS, CAKE |  |
| MELONSEED | 1 | T |  | Target | 2570 | OILCROPS, OTHERS |  |
| TALLOW SEEDS | 1 | T |  | Target | 2570 | OILCROPS, OTHERS |  |
| VEG TALLOW | 1 | T | w=0 | Target | 2586 | OILCROPS, OTHER OIL |  |
| STILLING OIL | 1 | T |  | Target | 2586 | OILCROPS, OTHER OIL |  |
| KAPOK FRUIT | 1 | T |  | Target | 2570 | OILCROPS, OTHERS |  |
| KAPOKSEED SH | 1 | F |  |  |  |  |  |
| KAPOKSEE SHD | 1 | T |  | Target | 2570 | OILCROPS, OTHERS |  |
| OIL OF KAPOK | 1 | T |  | Target | 2586 | OILCROPS, OTHER OIL |  |
| CAKE KAPOK | 1 | T | w=0 | Target | 2598 | OILSEEDS, OTHERS, CAKE |  |
| SEED COTTON | 1 | F |  |  | 2559 | COTTONSEED |  |
| COTTONSEED | 1 | T |  | Target | 2559 | COTTONSEED |  |
| OIL COTTON S | 1 | T |  | Target | 2575 | COTTONSEED, OIL |  |
| CAKE COTTON | 1 | T | w=0 | Target | 2594 | COTTONSEED, CAKE |  |
| LINSEED | 1 | T |  | Target | 2570 | OILCROPS, OTHERS |  |
| OIL LINSEED | 1 | T |  | Target | 2586 | OILCROPS, OTHER OIL |  |
| CAKE LINSEED | 1 | T | w=0 | Target | 2598 | OILSEEDS, OTHERS, CAKE |  |
| HEMPSEED | 1 | T |  | Target | 2570 | OILCROPS, OTHERS |  |
| OIL HEMPSD | 1 | T |  | Target | 2586 | OILCROPS, OTHER OIL |  |
| CAKE HEMPSD | 1 | T | w=0 | Target | 2598 | OILSEEDS, OTHERS, CAKE |  |
| OILSEEDS NES | 1 | T |  | Target | 2570 | OILCROPS, OTHERS |  |
| OIL VG OR NS | 1 | T |  | Target | 2586 | OILCROPS, OTHER OIL |  |
| CAK OILSD NS | 1 | T | w=0 | Target | 2598 | OILSEEDS, OTHERS, CAKE |  |
| OIL MEALS | 1 | B |  |  |  |  |  |
| CABBAGES | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| ARTICHOKES | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| ASPARAGUS | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| LETTUCE | 1 | X |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| SPINACH | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| CASSAVA LEAV | 1 | X |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| TOMATOES | 1 | T |  | Target | 2601 | TOMATOES & PRODUCTS |  |
| TOMATO CONC | 1 | B |  |  |  |  |  |
| TOMATO SING | 1 | B |  |  |  |  |  |
| TOMATO PASTE | 1 | B |  |  |  |  |  |
| PEELD TOMATO | 1 | B |  |  |  |  |  |
| CAULIFLOWER | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| PUMPK+SQ+GRD | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| CUCMBR+GHERK | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| EGGPLANTS | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| CHIL+PEP,GRN | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| ONIONS,GREEN | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| ONIONS, DRY | 1 | T |  | Target | 2602 | ONIONS, DRY |  |
| GARLIC | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| LEEKS AND OT | 1 | X |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| BEANS, GREEN | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| PEAS, GREEN | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| BRD BEAN,GRN | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| STRING BEANS | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| CARROTS | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| OKRA | 1 | X |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| GREEN CORN | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| SWEET CORN F | 1 | B |  |  |  |  |  |
| SWEET CORN P | 1 | B |  |  |  |  |  |
| MUSHROOMS | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| DRIED MUSH | 1 | B |  |  |  |  |  |
| CANNED MUSH | 1 | B |  |  |  |  |  |
| CHICORY ROOT | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| VEG PR FR DR | 1 | X |  | Target |  |  |  |
| CAROBS | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| VEGETABLES F | 1 | T |  | Target | 2605 | VEGETABLES, OTHER &PROD |  |
| VEGET DR NES | 1 | B |  |  |  |  |  |
| VEGT CAN NES | 1 | B |  |  |  |  |  |
| JUICE VEG NS | 1 | B |  |  |  |  |  |
| VEGS DEHYDR | 1 | B |  |  |  |  |  |
| VEGS VINEGAR | 1 | B |  |  |  |  |  |
| VEGS PR NES | 1 | B |  |  |  |  |  |
| VEGS FROZEN | 1 | B |  |  |  |  |  |
| VEGS TEMP PR | 1 | B |  |  |  |  |  |
| VEG.PREP OR | 1 | B |  |  |  |  |  |
| HOMOGENIZED | 1 | B |  |  |  |  |  |
| BANANAS | 1 | T |  | Target | 2615 | BANANA |  |
| PLANTAINS | 1 | T |  | Target | 2616 | PLANTAINS |  |
| ORANGES | 1 | T |  | Target | 2611 | ORANGES,TANG MAND &PROD. |  |
| ORANJ SING S | 1 | B |  |  |  |  |  |
| ORANJ CONC | 1 | B |  |  |  |  |  |
| TANGERINES | 1 | T |  | Target | 2611 | ORANGES,TANG MAND &PROD. |  |
| TANGER JUICE | 1 | B |  |  |  |  |  |
| LEMONS LIMES | 1 | T |  | Target | 2612 | LEMONS, LIMES & PROD. |  |
| LEMONJ SIN S | 1 | B |  |  |  |  |  |
| LEMONJ CONC | 1 | B |  |  |  |  |  |
| GRAPEFRUIT | 1 | T |  | Target | 2613 | GRAPEFRUIT & PRODUCTS |  |
| GRAPEFRJ S S | 1 | B |  |  |  |  |  |
| GRAPEFRJ CON | 1 | B |  |  |  |  |  |
| CITR FRT NES | 1 | T |  | Target | 2614 | CITRUS FRUIT NES &PROD. |  |
| CITRUSJ SING | 1 | B |  |  |  |  |  |
| CITRUSJ CONC | 1 | B |  |  |  |  |  |
| APPLES | 1 | T |  | Target | 2617 | APPLES & PRODUCTS |  |
| FERM BEVERAG | 1 | T |  | Target | 2657 | BEVERAGES, FERMENTED |  |
| APPLEJ SIN S | 1 | B |  |  |  |  |  |
| APPLEJ CONC | 1 | B |  |  |  |  |  |
| PEARS | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| QUINCES | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| APRICOTS | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| DRY APRICOTS | 1 | B |  |  |  |  |  |
| SOUR CHERRY | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| CHERRIES | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| PEACHES | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| PLUMS | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| PLUMS, DRIED | 1 | B |  |  |  |  |  |
| PLUMJ,SING S | 1 | B |  |  |  |  |  |
| PLUMJ CONC | 1 | B |  |  |  |  |  |
| STONE FRUIT | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| POME FRUIT | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| STRAWBERRIES | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| RASPBERRIES | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| GOOSEBERRIES | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| CURRANTS | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| BLUEBERRIES | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| CRANBERRIES | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| BERRIES NES | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| GRAPES | 1 | T |  | Target | 2620 | GRAPES & PROD(EXCL.WINE) |  |
| RAISINS | 1 | B |  |  |  |  |  |
| GRAPE JUICE | 1 | B |  |  |  |  |  |
| MUST GRAPES | 1 | B |  |  |  |  |  |
| WINE | 1 | T |  | Target | 2655 | WINE |  |
| VERMTH SIMIL | 1 | B |  |  |  |  |  |
| GRAPE MARC | 1 | B | w=0 | Target |  |  |  |
| WATERMELONS | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| MELONS | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| FIGS | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| FIGS, DRIED | 1 | B |  |  |  |  |  |
| MANGOES | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| AVOCADOS | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| PINEAPPLES | 1 | T |  | Target | 2618 | PINEAPPLES & PRODUCTS |  |
| PINEAPPL CAN | 1 | B |  |  |  |  |  |
| PINEAPPLEJ S | 1 | B |  |  | 2618 | PINEAPPLES & PRODUCTS |  |
| DATES | 1 | T |  | Target | 2619 | DATES |  |
| PINEAPPLEJ C | 1 | B |  |  | 2618 | PINEAPPLES & PRODUCTS |  |
| MANGO JUICE | 1 | B |  |  |  |  |  |
| MANGO PULP | 1 | B | w=0 | Target |  |  |  |
| PERSIMMONS | 1 | X |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| CASHEWAPPLE | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| KIWI | 1 | X |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| PAPAYAS | 1 | X |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| FRT TROP NES | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| FR TRP DR NS | 1 | B |  |  |  |  |  |
| FRUIT NES | 1 | T |  | Target | 2625 | FRUIT, OTHER & PRODUCTS |  |
| FRUIT DR NES | 1 | B |  |  |  |  |  |
| FRUIT JUICE | 1 | B |  |  |  |  |  |
| FRUIT PR NES | 1 | B |  |  |  |  |  |
| FLOUR FRUIT | 1 | B |  |  |  |  |  |
| FRUIT,NUT,PE | 1 | B |  |  |  |  |  |
| HOMOGEN.COOK | 1 | B |  |  |  |  |  |
| FR PULP FEED | 1 | X |  | Target |  |  |  |
| BEET TOPS | 1 | X |  | Target |  |  |  |
| CANE TOPS | 1 | X |  | Target |  |  |  |
| WATERS,ICE E | 1 | X |  | Target |  |  |  |
| ALC NON FOOD | 1 | T |  | Target | 2659 | ALCOHOL, NON FOOD |  |
| BEV NON ALC | 1 | B |  |  |  |  |  |
| BEV DIS ALC | 1 | T |  | Target | 2658 | BEVERAGES, ALCOHOLIC |  |
| STRAW, HUSKS | 1 | X |  | Target |  |  |  |
| MAIZE FD+SIL | 1 | X |  | Target |  |  |  |
| SORGHUM FS | 1 | X |  | Target |  |  |  |
| RYE GRASS FS | 1 | X |  | Target |  |  |  |
| GRASSES FS | 1 | X |  | Target |  |  |  |
| CLOVER FS | 1 | X |  | Target |  |  |  |
| ALFALFA FS | 1 | X |  | Target |  |  |  |
| G OILSEED FS | 1 | X |  | Target |  |  |  |
| LEGUMIN FS | 1 | X |  | Target |  |  |  |
| CABBAGE FOD | 1 | X |  | Target |  |  |  |
| PUMPKINS FOD | 1 | X |  | Target |  |  |  |
| TURNIPS FOD | 1 | X |  | Target |  |  |  |
| BEETS FODDER | 1 | X |  | Target |  |  |  |
| CARROTS FOD | 1 | X |  | Target |  |  |  |
| SWEDES FOD | 1 | X |  | Target |  |  |  |
| LEAVES+TOPS | 1 | X |  | Target |  |  |  |
| FORAGE PROD | 1 | X |  | Target |  |  |  |
| VEG PROD | 1 | X |  | Target |  |  |  |
| FOOD WASTES | 1 | X |  | Target |  |  |  |
| DREGS,BR+DIS | 1 | T |  | Target |  |  |  |
| VEG ROOT FOD | 1 | X |  | Target |  |  |  |
| COFFEE,GREEN | 1 | T |  | Target | 2630 | COFFEE & PRODUCTS |  |
| COFFEE ROAST | 1 | B |  |  |  |  |  |
| COFFEE SUBST | 1 | B |  |  |  |  |  |
| COFFEE EXTR | 1 | B |  |  |  |  |  |
| COFFEE HUSKS | 1 | X |  | Target |  |  |  |
| COCOA BEANS | 1 | T |  | Target | 2633 | COCOA BEANS & PRODUCTS |  |
| COCOA PASTE | 1 | B |  |  |  |  |  |
| COCOA HUSKS | 1 | B | w=0 | Target |  |  |  |
| COCOA BUTTER | 1 | B | w=0 | Target | 2586 | OILCROPS, OTHER OIL |  |
| COCOA POWDER | 1 | B |  |  |  |  |  |
| CHOC PROD NS | 1 | B |  |  |  |  |  |
| TEA | 1 | X |  | Target | 2635 | TEA |  |
| MATE | 1 | X |  | Target | 2635 | TEA |  |
| EXTRACT TEA, | 1 | X |  | Target | 2635 | TEA |  |
| TEA NES | 1 | X |  | Target |  |  |  |
| HOPS | 1 | X |  | Target |  |  |  |
| PEPPER W/L/B | 1 | X |  | Target | 2640 | PEPPER |  |
| PIMENTO | 1 | X |  | Target | 2641 | PIMENTO |  |
| VANILLA | 1 | X |  | Target | 2645 | SPICES, OTHER |  |
| CINNAMON | 1 | X |  | Target | 2645 | SPICES, OTHER |  |
| CLOVES | 1 | X |  | Target | 2642 | CLOVES |  |
| NUTMEG | 1 | X |  | Target | 2645 | SPICES, OTHER |  |
| ANISE | 1 | X |  | Target | 2645 | SPICES, OTHER |  |
| GINGER | 1 | X |  | Target | 2645 | SPICES, OTHER |  |
| SPICES NES | 1 | X |  | Target | 2645 | SPICES, OTHER |  |
| OIL CITRONLL | 1 | X |  | Target |  |  |  |
| PEPPERMINT | 1 | X |  | Target |  |  |  |
| ESS OILS NES | 1 | X |  | Target |  |  |  |
| PYR DR FLOWR | 1 | T |  | Target |  |  |  |
| PYRET EXTR. | 1 | B |  |  |  |  |  |
| PYRET MARC | 1 | B | w=0 | Target |  |  |  |
| COTTON LINT | 1 | T |  | Target | 2661 | COTTON, LINT |  |
| COTTON CARDD | 1 | X |  | Target |  |  |  |
| COTTON WASTE | 1 | T |  | Target |  |  |  |
| COTTON LINTR | 1 | T | w=0 | Target |  |  |  |
| FLAX RAW | 1 | X |  | Target | 2664 | FIBRES, SOFT OTHERS |  |
| FLAX FIBRE | 1 | X |  | Target | 2664 | FIBRES, SOFT OTHERS |  |
| FLAX TOW | 1 | X |  | Target | 2664 | FIBRES, SOFT OTHERS |  |
| HEMP FIBRE | 1 | X |  | Target | 2664 | FIBRES, SOFT OTHERS |  |
| KAPOK FIBRE | 1 | T | w=0 | Target | 2664 | FIBRES, SOFT OTHERS |  |
| JUTE | 1 | X |  | Target | 2662 | JUTE |  |
| JUTE LIKE | 1 | X |  | Target | 2663 | FIBRES,JUTE LIKE |  |
| RAMIE | 1 | X |  | Target | 2664 | FIBRES, SOFT OTHERS |  |
| SISAL | 1 | X |  | Target | 2665 | SISAL |  |
| AGAVE NES | 1 | X |  | Target | 2667 | FIBRES, HARD OTHERS |  |
| ABACA | 1 | X |  | Target | 2666 | ABACA |  |
| COIR | 1 | X |  | Target | 2667 | FIBRES, HARD OTHERS |  |
| FIBRE NES | 1 | X |  | Target | 2667 | FIBRES, HARD OTHERS |  |
| TOBACCO | 1 | T |  | Target | 2671 | TOBACCO & PRODUCTS |  |
| CIGARETTES | 1 | B |  |  |  |  |  |
| CIGARS | 1 | B |  |  |  |  |  |
| TOBACCO PROD | 1 | B |  |  |  |  |  |
| NAT RUBBER | 1 | T |  | Target | 2672 | NATURAL RUBBER (DRYEQ.) |  |
| RUBBER DRY | 1 | B |  |  |  |  |  |
| NATURAL GUMS | 1 | X |  | Target |  |  |  |
| COM FEED CAT | 1 | X |  | Target |  |  |  |
| COM FEED POU | 1 | X |  | Target |  |  |  |
| COM FEED PIG | 1 | X |  | Target |  |  |  |
| PET FOOD | 1 | X |  | Target |  |  |  |
| COM FEED OTH | 1 | X |  | Target |  |  |  |
| GLUT FEED&ME | 1 | B |  |  |  |  |  |
| FEED YEAST | 1 | X |  | Target |  |  |  |
| FEED SUP | 1 | X |  | Target |  |  |  |
| NONPROT NITR | 0 | X |  |  |  |  |  |
| CONCENTR NES | 1 | X |  | Target |  |  |  |
| VITAMINS | 0 | X |  |  |  |  |  |
| FEED ADDITIV | 1 | X |  | Target |  |  |  |
| FEED MINERAL | 1 | X |  | Target |  |  |  |
| HAY NON LEG | 1 | X |  | Target |  |  |  |
| HAY LEGUMIN | 1 | X |  | Target |  |  |  |
| HAY UNSPECIF | 1 | X |  | Target |  |  |  |
| RANGE PAST | 1 | X |  | Target |  |  |  |
| IMPROV PAST | 1 | X |  | Target |  |  |  |
| ALFALFA MEAL | 1 | X |  | Target |  |  |  |
| CALVES | 0 | X |  |  |  |  |  |
| VEAL | 0 | X |  |  |  |  |  |
| CATTLE | 1 | T |  | Target | 2701 | CATTLE |  |
| BEEF VEAL | 1 | T |  | Target | 2731 | MEAT & PRODUCTS, BOVINE |  |
| OFFALS CATTL | 1 | T |  | Target | 2736 | OFFALS, EDIBLE |  |
| FAT CATTLE | 1 | T |  | Target | 2737 | FATS, ANIMALS, RAW |  |
| BEEF BONLESS | 1 | B |  |  |  |  |  |
| CATTLE BUT F | 1 | B | w=0 | Target | 2737 | FATS, ANIMALS, RAW |  |
| BEEF DSS | 1 | B |  |  |  |  |  |
| MEAT EXTRACT | 1 | B |  |  |  |  |  |
| SAUSAGE BEEF | 1 | B |  |  |  |  |  |
| BEEF PREP | 1 | B |  |  |  |  |  |
| BEEF CANNED | 1 | B |  |  |  |  |  |
| HOMOGENIZED | 1 | B |  |  |  |  |  |
| LIVER PREPAR | 1 | B |  |  |  |  |  |
| COW MILK | 1 | T |  | Target | 2848 | MILK & PROD (EXCL BUTTER |  |
| STANDAR MILK | 1 | X |  | Target |  |  |  |
| CREAM, FRESH | 1 | B | w=0 | Target | 2743 | CREAM |  |
| BUTTER, COWS | 1 | B | w=0 | Target | 2740 | BUTTER ,GHEE |  |
| GHEE, COWS | 1 | B | w=0 | Target | 2740 | BUTTER ,GHEE |  |
| SK MILK COWS | 1 | B |  |  |  |  |  |
| WH MILK,COND | 1 | B |  |  |  |  |  |
| WHEY,CONDENS | 1 | B |  |  |  |  |  |
| YOGHURT | 1 | B |  |  |  |  |  |
| YOGHURT CONC | 1 | B |  |  |  |  |  |
| BUTTERM,CURD | 1 | B |  |  |  |  |  |
| WH MILK,EVAP | 1 | B |  |  |  |  |  |
| SKMILK EVAP | 1 | B |  |  |  |  |  |
| SK MILK COND | 1 | B |  |  |  |  |  |
| COWMILK DRY | 1 | B |  |  |  |  |  |
| MILK SK DR C | 1 | B |  |  |  |  |  |
| DRY BUTTERMK | 1 | B |  |  |  |  |  |
| DRY WHEY | 1 | B |  |  |  |  |  |
| CHEESE W COW | 1 | B |  |  |  |  |  |
| WHEY, FRESH | 1 | B | w=0 | Target | 2848 | MILK & PROD (EXCL BUTTER | (cal.) |
| CHEESE S COW | 1 | B |  |  |  |  |  |
| WHEY CHEESE | 1 | B |  |  |  |  |  |
| PROC CHEESE | 1 | B |  |  |  |  |  |
| RECONS MILK | 1 | B |  |  |  |  |  |
| PROD.OF NAT. | 1 | X |  | Target | 2848 | MILK & PROD (EXCL BUTTER | (cal.) |
| ICE CREAM AN | 1 | X |  | Target | 2848 | MILK & PROD (EXCL BUTTER | (cal.) |
| EGG ALBUMINE | 1 | T |  | Target | 2744 | EGGS & PRODUCTS | (cal.) |
| CASEIN | 1 | B |  |  |  |  |  |
| SUCKMILK CAT | 0 | X |  |  |  |  |  |
| CATTLE HIDES | 1 | T | w=0 | Target | 2748 | HIDES & SKINS |  |
| HIDE W CATTL | 1 | B |  |  |  |  |  |
| HIDE D CATTL | 1 | B |  |  |  |  |  |
| HIDE N CATTL | 1 | B |  |  |  |  |  |
| SKIN F CALVE | 1 | T |  | Target |  |  |  |
| SKIN W CALVE | 1 | B |  |  |  |  |  |
| SKIN D CALVE | 1 | B |  |  |  |  |  |
| SKIN N CATTL | 1 | B |  |  |  |  |  |
| IND CATTMEAT | 1 | X |  | Target |  |  |  |
| BIO CATTMEAT | 1 | X |  | Target |  |  |  |
| BUFFALOES | 1 | T |  | Target | 2702 | BUFFALOES |  |
| BUFFALO MEAT | 1 | T |  | Target | 2731 | MEAT & PRODUCTS, BOVINE |  |
| OFFAL BUFFAL | 1 | T |  | Target | 2736 | OFFALS, EDIBLE |  |
| FAT BUFFALO | 1 | T |  | Target | 2737 | FATS, ANIMALS, RAW |  |
| BUFFALO MILK | 1 | T |  | Target | 2848 | MILK & PROD (EXCL BUTTER |  |
| BUTTER BUFFL | 1 | B | w=0 | Target | 2740 | BUTTER ,GHEE |  |
| GHEE BUFFALO | 1 | B | w=0 | Target | 2740 | BUTTER ,GHEE |  |
| MILK SK BUFF | 1 | B |  |  |  |  |  |
| CHEES BUFFAL | 1 | B |  |  |  |  |  |
| SUCKMILK BUF | 0 | X |  |  |  |  |  |
| BUFFALO HIDE | 1 | T | w=0 | Target | 2748 | HIDES & SKINS |  |
| HIDE W BUFFL | 1 | B |  |  |  |  |  |
| HIDE D BUFFL | 1 | B |  |  |  |  |  |
| IND BUFFMEAT | 1 | X |  | Target |  |  |  |
| BIO BUFFMEAT | 1 | X |  | Target |  |  |  |
| LAMBS | 0 | X |  |  |  |  |  |
| LAMB MEAT | 0 | X |  |  |  |  |  |
| SHEEP | 1 | T |  | Target | 2703 | SHEEP |  |
| MUTTON LAMB | 1 | T |  | Target | 2732 | MEAT & PROD, SHEEP&GOAT |  |
| OFFALS SHEEP | 1 | T |  | Target | 2736 | OFFALS, EDIBLE |  |
| FAT OF SHEEP | 1 | T |  | Target | 2737 | FATS, ANIMALS, RAW |  |
| SHEEP MILK | 1 | T |  | Target | 2848 | MILK & PROD (EXCL BUTTER |  |
| BUTTER SHEEP | 1 | B | w=0 | Target | 2740 | BUTTER ,GHEE |  |
| SHEEP CHEESE | 1 | B |  |  |  |  |  |
| SK MILK SHEE | 1 | B |  |  |  |  |  |
| SUCKMILK SHE | 0 | X |  |  |  |  |  |
| WOOL, GREASY | 1 | X |  | Target | 2746 | WOOL (CLEAN EQUIVALENT) |  |
| WOOL,SCOURED | 1 | X |  | Target | 2746 | WOOL (CLEAN EQUIVALENT) |  |
| GREASE WOOL | 1 | X |  | Target | 2737 | FATS, ANIMALS, RAW |  |
| SHEEPSKINS | 1 | T |  | Target | 2748 | HIDES & SKINS |  |
| SKIN W SHEEP | 1 | B |  |  |  |  |  |
| SKIN D SHEEP | 1 | B |  |  |  |  |  |
| SKIN NES SH | 1 | B |  |  |  |  |  |
| SKINWOOL SH | 1 | B |  |  |  |  |  |
| KARAKUL SKIN | 1 | X |  | Target | 2748 | HIDES & SKINS |  |
| WOOL SHODDY | 1 | X |  | Target |  |  |  |
| HAIR CARDED | 1 | X |  | Target |  |  |  |
| WOOL WASTE | 1 | X |  | Target |  |  |  |
| WOOL TOPS | 1 | X |  | Target |  |  |  |
| IND SHEEMEAT | 1 | X |  | Target |  |  |  |
| BIO SHEEMEAT | 1 | X |  | Target |  |  |  |
| KIDS | 0 | X |  |  |  |  |  |
| KIDS MEAT | 0 | X |  |  |  |  |  |
| GOATS | 1 | T |  | Target | 2704 | GOATS |  |
| GOAT MEAT | 1 | T |  | Target | 2732 | MEAT & PROD, SHEEP&GOAT |  |
| OFFALS GOATS | 1 | T |  | Target | 2736 | OFFALS, EDIBLE |  |
| FAT OF GOATS | 1 | T |  | Target | 2737 | FATS, ANIMALS, RAW |  |
| GOAT MILK | 1 | T |  | Target | 2848 | MILK & PROD (EXCL BUTTER |  |
| GOAT CHEESE | 1 | B |  |  |  |  |  |
| BUTTER, GOAT | 1 | B | w=0 | Target | 2740 | BUTTER ,GHEE |  |
| SK MILK GOAT | 1 | B |  |  |  |  |  |
| SUCKMILK GOA | 0 | X |  |  |  |  |  |
| GOATSKINS | 1 | T |  | Target | 2748 | HIDES & SKINS |  |
| SKIN W GOAT | 1 | B |  |  |  |  |  |
| SKIN D GOAT | 1 | B |  |  |  |  |  |
| SKIN NES GOA | 1 | B |  |  |  |  |  |
| FINE GOAT HA | 1 | X |  | Target |  |  |  |
| COARSE GOA H | 1 | X |  | Target |  |  |  |
| IND GOATMEAT | 1 | X |  | Target |  |  |  |
| BIO GOATMEAT | 1 | X |  | Target |  |  |  |
| PIGS | 1 | T |  | Target | 2705 | PIGS |  |
| PIGMEAT | 1 | T |  | Target | 2733 | MEAT & PRODUCTS, PIG |  |
| OFFALS PIGS | 1 | T |  | Target | 2736 | OFFALS, EDIBLE |  |
| FAT PIGS | 1 | T |  | Target | 2737 | FATS, ANIMALS, RAW |  |
| PORK | 1 | B |  |  |  |  |  |
| BACON PIGS | 1 | B |  |  |  |  |  |
| PIG BUT FAT | 1 | B | w=0 | Target | 2737 | FATS, ANIMALS, RAW |  |
| SAUSAGES PIG | 1 | B |  |  |  |  |  |
| MEAT PR PIG | 1 | B |  |  |  |  |  |
| LARD | 1 | B |  |  |  |  |  |
| PIGSKINS | 1 | T |  | Target | 2748 | HIDES & SKINS |  |
| SKIN W PIGS | 1 | B |  |  |  |  |  |
| SKIN D PIGS | 1 | B |  |  |  |  |  |
| SKIN NES PIG | 1 | B |  |  |  |  |  |
| SUCKMILK PIG | 0 | X |  |  |  |  |  |
| IND PIGMEAT | 1 | X |  | Target |  |  |  |
| BIO PIG MEAT | 1 | X |  | Target |  |  |  |
| CHICKENS | 1 | T |  | Target | 2706 | POULTRY |  |
| CHICKEN MEAT | 1 | T |  | Target | 2734 | MEAT & PRODUCTS, POULTRY |  |
| OFFAL CHICKN | 1 | T | w=0 | Target | 2736 | OFFALS, EDIBLE |  |
| FAT LIVER PR | 1 | B |  |  |  |  |  |
| MEAT CD CHCK | 1 | B |  |  |  |  |  |
| HEN EGGS | 1 | T |  | Target | 2744 | EGGS & PRODUCTS |  |
| EGGS L HEN | 1 | B |  |  |  |  |  |
| EGGS DRY HEN | 1 | B |  |  |  |  |  |
| FAT POULTRY | 1 | T |  | Target | 2737 | FATS, ANIMALS, RAW |  |
| FAT R POULTR | 1 | B |  |  |  |  |  |
| HEN EGGS NO | 0 | X |  |  |  |  |  |
| DUCKS | 1 | T |  | Target | 2706 | POULTRY |  |
| DUCK MEAT | 1 | T |  | Target | 2734 | MEAT & PRODUCTS, POULTRY |  |
| IND DUCKMEAT | 1 | X |  | Target |  |  |  |
| BIO DUCKMEAT | 1 | X |  | Target |  |  |  |
| GEESE | 1 | T |  | Target | 2706 | POULTRY |  |
| GOOSE MEAT | 1 | T |  | Target | 2734 | MEAT & PRODUCTS, POULTRY |  |
| OFFALS LIV G | 1 | T |  | Target | 2736 | OFFALS, EDIBLE |  |
| OFFALS LIV D | 1 | T |  | Target | 2736 | OFFALS, EDIBLE |  |
| IND GEESMEAT | 1 | X |  | Target |  |  |  |
| BIO GEESMEAT | 1 | X |  | Target |  |  |  |
| TURKEYS | 1 | T |  | Target | 2706 | POULTRY |  |
| TURKEY MEAT | 1 | T |  | Target | 2734 | MEAT & PRODUCTS, POULTRY |  |
| OFFALS LIV T | 1 | T |  | Target | 2736 | OFFALS, EDIBLE |  |
| PIGEONS OTHE | 1 | T |  | Target | 2706 | POULTRY |  |
| INDIG OTH PO | 1 | X |  | Target |  |  |  |
| BIOL OTH POU | 1 | X |  | Target |  |  |  |
| IND TURKMEAT | 1 | X |  | Target |  |  |  |
| BIO TURKMEAT | 1 | X |  | Target |  |  |  |
| MEAT POULTRY | 1 | T |  | Target | 2735 | MEAT & PROD, OTHERANIM. |  |
| EGGS POULTRY | 1 | X |  | Target | 2744 | EGGS & PRODUCTS |  |
| OTH EGG (NO) | 0 | X |  |  |  |  |  |
| IND CHCKMEAT | 1 | X |  | Target |  |  |  |
| BIO CHCKMEAT | 1 | X |  | Target |  |  |  |
| HORSES | 1 | T |  | Target |  |  |  |
| HORSEMEAT | 1 | T |  | Target | 2735 | MEAT & PROD, OTHERANIM. |  |
| OFFALS HORSE | 1 | T |  | Target | 2736 | OFFALS, EDIBLE |  |
| HAIR HORSES | 1 | X |  | Target |  |  |  |
| HORSE HIDES | 1 | T |  | Target | 2748 | HIDES & SKINS |  |
| HIDE W HORSE | 1 | B |  |  |  |  |  |
| HIDE D HORSE | 1 | B |  |  |  |  |  |
| HIDE Y HORSE | 1 | B |  |  |  |  |  |
| ASSES | 1 | T |  | Target |  |  |  |
| MEAT ASSES | 1 | T |  | Target | 2735 | MEAT & PROD, OTHERANIM. |  |
| HIDES ASS FR | 1 | T |  | Target | 2748 | HIDES & SKINS |  |
| MULES | 1 | T |  | Target |  |  |  |
| MEAT MULES | 1 | T |  | Target | 2735 | MEAT & PROD, OTHERANIM. |  |
| HIDES MUL FR | 1 | T |  | Target | 2748 | HIDES & SKINS |  |
| SUCKMILK EQU | 0 | X |  |  |  |  |  |
| IND HORSMEAT | 1 | X |  | Target |  |  |  |
| BIO HORSMEAT | 1 | X |  | Target |  |  |  |
| IND ASS MEAT | 1 | X |  | Target |  |  |  |
| BIO ASS MEAT | 1 | X |  | Target |  |  |  |
| IND MULEMEAT | 1 | X |  | Target |  |  |  |
| BIO MULEMEAT | 1 | X |  | Target |  |  |  |
| CAMELS | 1 | T |  | Target |  |  |  |
| MEAT CAMEL | 1 | T |  | Target | 2735 | MEAT & PROD, OTHERANIM. |  |
| OFFALS CAMEL | 1 | T |  | Target | 2736 | OFFALS, EDIBLE |  |
| FAT CAMEL | 1 | T |  | Target | 2737 | FATS, ANIMALS, RAW |  |
| CAMEL MILK | 1 | X |  | Target | 2848 | MILK & PROD (EXCL BUTTER |  |
| SUCKMILK CAM | 0 | X |  |  |  |  |  |
| HIDES CAMEL | 1 | T |  | Target | 2748 | HIDES & SKINS |  |
| HIDE W CAMEL | 1 | B |  |  |  |  |  |
| HIDE D CAMEL | 1 | B |  |  |  |  |  |
| HIDE U CAMEL | 1 | B |  |  |  |  |  |
| IND CAMLMEAT | 1 | X |  | Target |  |  |  |
| BIO CAMLMEAT | 1 | X |  | Target |  |  |  |
| RABBITS | 1 | T |  | Target |  |  |  |
| RABBIT MEAT | 1 | T |  | Target | 2735 | MEAT & PROD, OTHERANIM. |  |
| RAB MEAT IND | 1 | X |  | Target |  |  |  |
| RAB MEAT BIO | 1 | X |  | Target |  |  |  |
| RABBIT SKIN | 1 | T |  | Target | 2748 | HIDES & SKINS |  |
| OTH RODENTS | 1 | T |  | Target |  |  |  |
| MEAT RODENTS | 1 | T |  | Target | 2735 | MEAT & PROD, OTHERANIM. |  |
| INDIG RODENT | 1 | X |  | Target |  |  |  |
| BIOL RODENTS | 1 | X |  | Target |  |  |  |
| OTH CAMELIDS | 1 | T |  | Target |  |  |  |
| MEAT OTH CAM | 1 | T |  | Target | 2735 | MEAT & PROD, OTHERANIM. |  |
| OFFALS CAMEL | 1 | T |  | Target | 2736 | OFFALS, EDIBLE |  |
| FAT OTH CAME | 1 | T |  | Target | 2737 | FATS, ANIMALS, RAW |  |
| INDIG CAMEL | 1 | X |  | Target |  |  |  |
| BIOL OTH CAM | 1 | X |  | Target |  |  |  |
| GAME MEAT | 1 | T |  | Target | 2735 | MEAT & PROD, OTHERANIM. |  |
| MEAT DRY NES | 1 | B |  |  |  |  |  |
| MEAT NES | 1 | T |  | Target | 2735 | MEAT & PROD, OTHERANIM. |  |
| OFFALS NES | 1 | T |  | Target | 2736 | OFFALS, EDIBLE |  |
| OILS ANIMAL | 1 | B |  |  |  |  |  |
| LIVE ANIMAL | 0 | X |  |  |  |  |  |
| ANIMALS NES | 1 | X |  | Target |  |  |  |
| MEAT PR NES | 1 | B |  |  |  |  |  |
| MEAT MEAL | 1 | X |  | Target | 2749 | MEAT & BLOOD MEAL |  |
| FISH MEAL | 0 | X |  |  |  |  |  |
| BLOOD MEAL | 1 | X |  | Target | 2749 | MEAT & BLOOD MEAL |  |
| SNAILS NOT S | 1 | X |  | Target | 2735 | MEAT & PROD, OTHERANIM. |  |
| SUCKMILK NES | 0 | X |  |  |  |  |  |
| BEEHIVES | 1 | X |  | Target |  |  |  |
| HONEY | 1 | T |  | Target | 2745 | HONEY |  |
| BEESWAX | 1 | X |  | Target |  |  |  |
| COCOON REEL | 1 | X |  | Target | 2747 | SILK |  |
| SILK, RAW | 1 | X |  | Target | 2747 | SILK |  |
| COCOON UNR | 1 | X |  | Target | 2747 | SILK |  |
| FUR SKINS | 1 | X |  | Target | 2748 | HIDES & SKINS |  |
| HIDE NES FR | 1 | T |  | Target | 2748 | HIDES & SKINS |  |
| HIDE WS | 1 | B |  |  |  |  |  |
| HIDE DS | 1 | B |  |  |  |  |  |
| HIDE NES | 1 | X |  | Target |  |  |  |
| LEATHER USED | 1 | X |  | Target |  |  |  |
| HAIR FINE | 1 | X |  | Target |  |  |  |
| HAIR COARSE | 1 | T |  | Target |  |  |  |
| STEARINE | 1 | B |  |  |  |  |  |
| DEGRAS | 1 | X |  | Target | 2737 | FATS, ANIMALS, RAW |  |
| OILS FISH | 0 | X |  |  |  |  |  |
| TALLOW | 1 | B |  |  |  |  |  |
| FOOD PREP | 1 | T |  | Target |  |  |  |
| LIQUID MARG | 1 | B |  |  |  |  |  |
| MARGARINE | 1 | B |  |  |  |  |  |
| FATS PREP NS | 1 | B |  |  |  |  |  |
| FOOD WASTES | 1 | X |  | Target |  |  |  |
| AG IND BYPRD | 1 | X |  | Target |  |  |  |
| CASTOR OIL H | 1 | X |  |  |  |  |  |
| OILS BOILED | 1 | B |  |  |  |  |  |
| OILS HYDROGN | 1 | B |  |  |  |  |  |
| FATTY ACIDS | 1 | B |  |  |  |  |  |
| RES FATTY S | 1 | B |  |  |  |  |  |
| ARABIC GUM | 1 | X |  | Target |  |  |  |
| OTHER RESINS | 1 | X |  | Target |  |  |  |
| ORG MAT 29 | 1 | X |  | Target |  |  |  |
| SEEDS | 1 | X |  | Target |  |  |  |
| SPERMACETI | 1 | X |  | Target |  |  |  |
| WAXES VEG | 1 | X |  | Target |  |  |  |
| FRWTR DIAD F | 1 | T |  | Target | 2761 | FRESHWATER FISH & PROD. |  |
| FRWTR FZ WHL | 1 | B |  |  |  |  |  |
| FRWTR FILLET | 1 | B |  |  |  |  |  |
| FRWTR FZ FLT | 1 | B |  |  |  |  |  |
| FRWTR CURED | 1 | B |  |  |  |  |  |
| FRWTR CANNED | 1 | B |  |  |  |  |  |
| FRWTR PR NES | 1 | B |  |  |  |  |  |
| FRWTR MEALS | 1 | B |  |  |  |  |  |
| FRWT BDY OIL | 1 | X |  | Target | 2781 | FISH BODY OIL |  |
| FRWT LVR OIL | 1 | X |  | Target | 2782 | FISH LIVER OIL |  |
| FRWT MEAL OF | 1 | X |  | Target | 2855 | FISH MEAL |  |
| FRESHWATER D | 0 | X |  |  |  |  |  |
| FRESHWATER F | 0 | X |  |  |  |  |  |
| DMRSL FRESH | 1 | T |  | Target | 2762 | DEMERSEAL FISH & PROD. |  |
| DMRSL FZ WHL | 1 | B |  |  |  |  |  |
| DMRSL FILLET | 1 | B |  |  |  |  |  |
| DMRSL FZ FLT | 1 | B |  |  |  |  |  |
| DMRSL CURED | 1 | B |  |  |  |  |  |
| DMRSL CANNED | 1 | B |  |  |  |  |  |
| DMRSL PR NES | 1 | B |  |  |  |  |  |
| DMRSL MEALS | 1 | B |  |  |  |  |  |
| DMRS BDY OIL | 1 | T |  | Target | 2781 | FISH BODY OIL |  |
| DMRS LVR OIL | 1 | T |  | Target | 2782 | FISH LIVER OIL |  |
| DMRS MEAL OF | 1 | X |  | Target | 2855 | FISH MEAL |  |
| DEMRSL FISH | 0 | X |  |  |  |  |  |
| DEMERSL FISH | 0 | X |  |  |  |  |  |
| PELAGIC FRSH | 1 | T |  | Target | 2763 | PELAGIC FISH & PRODUCTS |  |
| PELGC FZ WHL | 1 | B |  |  |  |  |  |
| PELGC FILLET | 1 | B |  |  |  |  |  |
| PELGC FZ FLT | 1 | B |  |  |  |  |  |
| PELGC CURED | 1 | B |  |  |  |  |  |
| PELGC CANNED | 1 | B |  |  |  |  |  |
| PELGC PR NES | 1 | B |  |  |  |  |  |
| PELGC MEALS | 1 | B |  |  |  |  |  |
| PELG BDY OIL | 1 | T |  | Target | 2781 | FISH BODY OIL |  |
| PELG LVR OIL | 1 | T |  | Target | 2782 | FISH LIVER OIL |  |
| PELG MEAL OF | 1 | X |  | Target | 2855 | FISH MEAL |  |
| SMALL PELGC | 0 | X |  |  |  |  |  |
| SMALL PELGC | 0 | X |  |  |  |  |  |
| MARINE NES F | 1 | T |  | Target | 2764 | MARINE FISH, OTH &PROD |  |
| MARIN FZ WHL | 1 | B |  |  |  |  |  |
| MARIN FILLET | 1 | B |  |  |  |  |  |
| MARIN FZ FLT | 1 | B |  |  |  |  |  |
| MARIN CURED | 1 | B |  |  |  |  |  |
| MARIN CANNED | 1 | B |  |  |  |  |  |
| MARIN PR NES | 1 | B |  |  |  |  |  |
| MARIN MEALS | 1 | B |  |  |  |  |  |
| MARN BDY OIL | 1 | X |  | Target | 2781 | FISH BODY OIL |  |
| MARN LVR OIL | 1 | X |  | Target | 2782 | FISH LIVER OIL |  |
| MARN MEAL OF | 1 | X |  | Target | 2855 | FISH MEAL |  |
| MARINE FISH | 0 | X |  |  |  |  |  |
| MARINE FISH | 0 | X |  |  |  |  |  |
| CRSTACEANS F | 1 | T |  | Target | 2765 | CRUSTACEANS & PRODUCTS |  |
| CRSTC FROZEN | 1 | B |  |  |  |  |  |
| CRSTC CURED | 1 | B |  |  |  |  |  |
| CRSTC CANNED | 1 | B |  |  |  |  |  |
| CRSTC PR NES | 1 | B |  |  |  |  |  |
| CRSTC MEALS | 1 | B |  |  |  |  |  |
| CRST MEAL OF | 1 | X |  | Target | 2855 | FISH MEAL |  |
| MARINE FISH | 0 | X |  |  |  |  |  |
| MARINE FISH | 0 | X |  |  |  |  |  |
| MLLUSCS FRSH | 1 | T |  | Target | 2767 | MOLLUSCS OTHER &PRODUCTS |  |
| MOLSC FROZEN | 1 | B |  |  |  |  |  |
| MOLSC CURED | 1 | B |  |  |  |  |  |
| MOLSC CANNED | 1 | B |  |  |  |  |  |
| MOLSC MEALS | 1 | B |  |  |  |  |  |
| MOLS MEAL OF | 1 | X |  | Target | 2855 | FISH MEAL |  |
| MOLLUSCS SCH | 0 | X |  |  |  |  |  |
| MARINE FISH | 0 | X |  |  |  |  |  |
| CEPHLP FRESH | 1 | T |  | Target | 2766 | CEPHALOPODS & PRODUCTS |  |
| CPHLP FROZEN | 1 | B |  |  |  |  |  |
| CPHLP CURED | 1 | B |  |  |  |  |  |
| CPHLP CANNED | 1 | B |  |  |  |  |  |
| CPHLP PR NES | 1 | B |  |  |  |  |  |
| CPHLP MEALS | 1 | B |  |  |  |  |  |
| CPHL MEAL OF | 1 | X |  | Target | 2855 | FISH MEAL |  |
| SMALL PELGC | 0 | X |  |  |  |  |  |
| MARINE FISH | 0 | X |  |  |  |  |  |
| AQUTC MAMMAL | 1 | X |  | Target |  |  |  |
| AQ M MEAT | 1 | T |  | Target | 2768 | AQUATIC MAMMALS MEAT |  |
| AQ M MEALS | 1 | T |  | Target | 2855 | FISH MEAL |  |
| AQ M OILS | 1 | T |  | Target | 2781 | FISH BODY OIL |  |
| AQ M PREP NS | 1 | T |  | Target | 2768 | AQUATIC MAMMALS MEAT |  |
| AQ M MEAL OF | 1 | T |  | Target | 2855 | FISH MEAL |  |
| FRESHWATER F | 0 | X |  |  |  |  |  |
| FRESHWATER F | 0 | X |  |  |  |  |  |
| AQUTC ANIM F | 1 | T |  | Target | 2769 | AQUATIC ANIMAL OTHERS |  |
| AQ A CURED | 1 | B |  |  |  |  |  |
| AQ A MEALS | 1 | B |  |  |  |  |  |
| AQ A PREP NS | 1 | B |  |  |  |  |  |
| AQ A MEAL OF | 1 | X |  | Target | 2855 | FISH MEAL |  |
| MOLLUSCS LIV | 0 | X |  |  |  |  |  |
| KRILL | 0 | X |  |  |  |  |  |
| AQUTC PLANTS | 1 | T |  | Target | 2775 | AQUATIC PLANTS & PROD. |  |
| AQ P DRIED | 1 | B |  |  |  |  |  |
| AQ P PREP NS | 1 | B |  |  |  |  |  |
| SMALL PELGC | 0 | X |  |  |  |  |  |
| GUANO | 0 | X |  |  |  |  |  |
| FISH TOT VAL | 0 | X |  |  |  |  |  |