LanguaL 2009
Changes from LanguaL 2008

Anders Møller and Jayne Ireland

EuroFIR Technical Report D1.8.43
Disclaimer

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EuroFIR, the world leading European Network of Excellence on Food Composition Databank systems (http://www.eurfir.eu/) is a partnership between 49 universities, research institutes and small-to-medium sized enterprises (SMEs) from 26 countries. EuroFIR aims to develop and integrate a comprehensive, coherent and validated databank providing a single, authoritative source of food composition data for Europe.

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LanguaL 2009

CHANGES FROM VERSION 2008

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We would like to express our gratitude to the Center for Food Safety and Applied Nutrition (CFSAN) of the United States Food and Drug Administration (FDA) for so willingly sharing all the information concerning LanguaL and other indexing systems at the FDA. Special thanks goes to Michele R. Chatfield, Ann Marie Poulsen and Charles E. Exley of CFSAN for providing the original Factored Food Vocabulary and LanguaL files, and for many good discussions concerning LanguaL over the years. Special thanks goes to Elizabeth C. Smith, whose enthusiasm and energy has been inspiring for us in the EuroFIR food indexing courses and during the assessment of the indexed files, and without whom the LanguaL thesaurus would not be where it is today. Also, thanks to Joanne Holden, USDA Nutrient Data Laboratory, for following the continued work on LanguaL so closely.

LanguaL has a foundation that goes far back in time, and we find it important to mention the people, who brought LanguaL forward to us. Especially thanks to Bradley Rosenthal and Thomas Hendricks, both now retired from the FDA, for their enthusiasm and energy in promoting the LanguaL ideas in the past. We would especially like to express our gratitude to Ivan Varsanyi, Hungary, who during the bilateral French-Hungarian BALATON and the European COST Action 99 projects persistently invoked updates and changes to the LanguaL Thesaurus to make the thesaurus up-to-date. Ivan’s much too early death meant a big loss in the knowledge of his specialities in food science and technology. Judit Monspart-Senyi, Hungary, who replaced Ivan Varsanyi in the BALATON project, has provided a tremendous effort in the follow-up and finishing of the work initiated by Ivan.

The most important event since the introduction of the LanguaL 2000 Thesaurus in 2000 is the introduction of the LanguaL Food Product Indexer, which greatly facilitates the indexing of foods in food data bases. The Food product Indexer was developed by Erik Nørby, Polytect, and Anders Møller, Danish Food Information, with a lot of help and constructive criticism from Jayne Ireland, Danish Food Information, and Tue Christensen, Danish Food Institute. It has taken much thought and many hours to develop the software to the present stage as a user-friendly LanguaL indexing tool.

For this 2009 version of the LanguaL Thesaurus we also owe special thanks to the food composition data base compilers in the EuroFIR Network: Mark A. Roe, Carine Seeuws, Sylvia Tsanova, Tue Christensen, Leif Bøgh-Sørensen, Heli Reinivuo, Céline Le Stunff, Olafur Reykdal, Bernd Hartmann, Stavroula Soukara, Hille Vardi, Aida Turrini, Simonetta Salvini, Martine Jansen, Jannicke Fredriksen, Agata Troszczyńska, Luísa Oliveira, Raimon Milà, Janka Porubská, Irene Mattisson, Marianne Arnemo, Åse Borgejordet, Gul Biringen Löker, Heidi Schwartz, Susanne Westenbrink, and Wulf Becker, and the other members of the national food composition database teams. Using the LanguaL Food Product Indexer, the compilers in the EuroFIR network have indexed the foods in their food composition databases. The tremendous work has accomplished many comments and suggestions of which most are included in the LanguaL 2009 Thesaurus.

Furthermore, we would like to thank Birgit Gebhardt and Matthias Frost, Federal Office of Consumer Protection and Food Safety, Berlin, Germany, for relevant proposals for updating and revision of definitions in the LanguaL thesaurus.

Likewise, we are grateful for the comments from the EuroFIR BASIS Plant Group, with special thanks to Jørn Gry, Marten Sørensen, Folmer D. Eriksen and Kirsten Pilegaard for their input.

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Roskilde, December 2009

Jayne Ireland & Anders Møller
LanguaL 2009 Thesaurus

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1 WHAT IS LANGUAL?

Langual stands for "Langua aLimentaria" or “language of food”. It is an automated method for describing, capturing and retrieving data about food. The work on Langual was started in the late 1970’s by the Center for Food Safety and Applied Nutrition (CFSAN) of the United States Food and Drug Administration (FDA) as an ongoing co-operative effort of specialists in food technology, information science and nutrition. The original name of the thesaurus was Factored Food Vocabulary (FFV). Since then, Langual has been developed in collaboration with the US National Cancer Institute (NCI), and, more recently, its European partners, notably in France, Denmark, Switzerland and Hungary. Since 1996, the European Langual Technical Committee has administered the thesaurus.

The thesaurus provides a standardised language for describing foods, specifically for classifying food products for information retrieval. Langual is based on the concept that:

- Any food (or food product) can be systematically described by a combination of characteristics
- These characteristics can be categorised into viewpoints and coded for computer processing
- The resulting viewpoint/characteristic codes can be used to retrieve data about the food from external databases.

As constructed, Langual is a multilingual thesaural system using facetted classification. Each food is described by a set of standard, controlled terms chosen from facets characteristic of the nutritional and/or hygienic quality of a food, as for example the biological origin, the methods of cooking and conservation, and technological treatments.

One problem concerning multilingual thesauri is the multiplicity of natural languages: corresponding terms of different languages are not always semantically equivalent. A first approach would be to limit the terms of different languages in which the descriptors are provided. Another is to render it language-independent. This approach was chosen by the Langual thesaurus, which is used in the USA and Europe for numeric data banks on food composition (nutrients and contaminants), food consumption and legislation. Each descriptor is identified by a unique code pointing to equivalent terms in different languages (e.g. English, French, Danish and Hungarian).

This paper will describe the Langual thesaurus in some detail. It will then present an in-depth example of how Langual can be applied and give general rules for indexing. Finally, it will review the individual facets of the Langual thesaurus.

---


1.1 INTERNATIONAL USE OF LanguaL

LanguaL can facilitate direct links to many different food consumption and analytical databases as well as bibliographic files, worldwide. For example, LanguaL has been used to index all 1988 USDA Nation-wide Food Consumption Survey (NFCS) foods, foods whose standards are specified by the US Code of Federal Regulations (CFR), and foods in Codex Alimentarius standards. LanguaL has also been used by the National Cancer Institute (US NCI) and the International Agency for Research in Cancer (WHO IARC) in their studies on the relationship of diet and cancer. LanguaL is currently being used to index foods in most official food composition databases in Europe.

The international use of LanguaL is best shown in the demonstration database set up on the LanguaL web-site (http://www.langual.org/). At this web-site, food composition data from 20 European countries and the USDA Nutrient database as well as specialized datasets on bioactives and allergens are linked together through a common LanguaL interface. The user interface allows the search of foods available in these nutrient databanks in order to promote data interchange, as well as to provide a useful tool for persons looking for food composition data and publicity for national databanks.

Figure 1. information flow

The flexibility and multidisciplinarity of a multifaceted approach allow expertise on food description to be divided up among smaller, ad hoc expert committees. The Working Group on Food Description thus took over the development of the multilingual LanguaL thesaurus in 1996. The information flow decided upon is illustrated in the figure above.

Although it is not the only food description language, LanguaL is considered the most definitive at the present time. Altogether, over 75,000 food products have been indexed in various coun-

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4 Slimani N et al. (1998) Structure of the standardized computerized 24-hour diet interview used as reference method in the 22 centers participating in the EPIC project. Computer methods and programs in biomedicine.

tries using this system. Despite its shortcomings, the LanguaL thesaurus remains a good starting point for development of a truly international and flexible faceted thesaurus for food description.

1.2 Contacts

A thesaurus is an evolving language, which should reflect scientific and technological evolutions in the field of foods. Suggestions to introduce new concepts or to improve those proposed in this edition are therefore welcome. Eventual suggestions for updates/corrections should be send to the

LanguaL Secretariat:

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E-mail: j.ireland@dg.afssa.fr

or the LanguaL homepage URL: http://www.langual.org/.
2 THE MULTILINGUAL LANGUAL THESAURUS

2.1 THESAURUS STRUCTURE

A thesaurus is a structured, normalised and dynamic vocabulary destined to cover terminology of a field of specific knowledge. It is used for indexing and retrieving information in a natural language in a system of controlled terms.

English is the dominant language used in the LanguaL thesaurus. Spelling was originally US English. Later updates include British English, as these updates were based on European legislation. Other languages (secondary languages) include Danish, French, German, and Hungarian; the translations having been prepared by the corresponding national centres. The thesaurus has, moreover, been partially translated into Czech, Spanish (and Catalan), Italian and Dutch. These translations are available from the national centres.

Contrary to some multilingual thesauri, LanguaL does not make use of an exchange language. Instead, interchange of food description information is based on the use of descriptor codes.

Terms in the thesaurus are generally expressed as singulars or plurals in accordance with the conventions recognised separately in each of the languages, especially when these are subject to national standards. For example, English indexers select the plural or the singular according to rules associated with the kind of concept represented by the term (count nouns or non-count nouns). In French, singular forms, similar to those found in dictionaries, are generally preferred.

2.2 HIERARCHY

Equally as important as the identification of meaningful characteristics is the arrangement of facet terms in a hierarchic structure so that information can be retrieved at varying levels of specificity. In a particular search, one might be interested in all products with peanut as the food source. In another, one might need products with any nut as the food source. Alternatively, one might search specifically for *VITAMIN A ADDED*, more broadly for *VITAMIN ADDED*, or, still more broadly, for *NUTRIENT OR DIETARY SUBSTANCE ADDED*. These are all examples of hierarchical relationships among facet terms.

Hierarchical relationships are extremely important for searching. Hierarchy is also a useful tool for displaying the thesaurus in a logical way so that both searcher and indexer can easily comprehend it. Finally, it underlies the aggregation of numerical values when the food vocabulary is used in compiling data.
For these reasons, all of the facets are fully structured. Care has been taken to include all useful hierarchical relationships. Some concepts can belong, on logical grounds, to more than one category at the same time; they are then said to possess poly-hierarchical relationships. Corresponding to its many uses, for instance, *FIELD CORN* appears under several broader terms:

- under *SUGAR-PRODUCING PLANT*
- under *STARCH-PRODUCING PLANT*
- under *OIL-PRODUCING PLANT*
- and under *GRAIN*

In this example, the term “FIELD CORN” is assigned to subordinate positions based on its generic relationship to four broader terms. In other cases, poly-hierarchical links may be based upon whole-part relationships.

Example:

```
GRAPEFRUIT  ORANGE
            GRAPEFRUIT AND ORANGE
```

Example:

```
ATLANTIC OCEAN ISLAND  SCANDINAVIA
                        FAROE ISLANDS
```

Broad terms can be used to describe very general groups of food products, such as vegetables. Such a general description can be made more specific by using narrower terms and/or adding terms from other facets (e.g. *FROZEN*).

The hierarchical relationships are complemented by additional cross references among facet terms, e.g., *PROTEIN-PRODUCING PLANT*:

- Narrower term *ALFALFA*
- Narrower term *SOYBEAN*
- Narrower term *FIELD CORN*
- Narrower term *SESAME*

This indicates that any search for plant protein sources should employ *ALFALFA*, *SOYBEAN*, *FIELD CORN* and *SESAME*. 
2.3 **Definitions**

This document follows definitions and conventions given in the International Standards concerning the establishment and development of monolingual thesauri⁶ and of multilingual thesauri⁷. In accordance with these standards, the LanguaL thesaurus definitions have been expanded to include *additional information*. The following definitions from the standards are used:

**Indexing language:** a controlled set of terms selected from natural language and used to represent, in summary form, the systematic description of foods.

**Thesaurus:** the vocabulary of a controlled indexing language formally organised so that the *a priori* relationships between concepts (for example as “broader” and “narrower”) are made explicit.

**Indexing term:** the representation of a concept, preferably in the form of a noun or a phrase.

**Preferred term:** a term used consistently when indexing to present a given concept, also referred to as the *descriptor*.

**Non-preferred term:** the synonym or quasi-synonym of a preferred term. A non-preferred term is not assigned to documents, but is provided as an entry point in a thesaurus or alphabetical index, the user being directed by an instruction (for example USE or SEE) to the appropriate preferred term; also referred to as *non-descriptor*.

**Precombined terms:** The thesaurus has been further clarified by including Precombined terms (PCT’s), which are food product names to which facet terms have been assigned. These are not to be used for indexing, but are included for either of these reasons:

1. The Precombined term explains or illustrates the use of the facet terms, e.g., corned beef hash as an example of a food whose physical state is *SEMISOLID WITH SOLID PIECES*.

2. For some foods, it is difficult for an indexer to select the proper combination of facet terms. For example, it might be obvious that the food product "Rhine wine" should be described as a *LIGHT WINE, 7-14% ALCOHOL*, but the indexer might not realise that *ALCOHOL FERMENTED* should be used in facet H (Treatment Applied) to describe the fermentation.

Precombined terms are always indexed with descriptors from facets A (Product Type), B (Food Source), C (Part of Plant or Animal) and E (Physical State, Shape or Form). Additional descriptors from other facets are assigned as needed to index the product information. Precombined terms are given in the LanguaL Users’ Manual, edition 29 September 1993 and included in the Food Product Indexer software as indexing examples, but are not included in this version of the thesaurus.

---


The following **abbreviations**, in accordance with the International Standards, are printed as prefixes to terms etc. Each abbreviation indicates the relationship or function of the term or node that follows:

**BT**  Broader term
The term that follows the symbol represents a concept having a wider meaning.

**NT**  Narrower Term
The term that follows the symbol refers to a concept with a more specific meaning.

**RT**  Related Term
The term that follows the symbol is associated, but it is not a synonym, a quasi-synonym, a broader term or a narrower term.

**USE**  Use
The term that follows the symbol is the preferred term when a choice between synonyms and quasi-synonyms exists.

**UF**  Use For
The term that follows the symbol is a non-preferred term or synonym.

**SN**  Scope Note
A note attached to a term to indicate its meaning within an indexing language. It is not intended to be a dictionary definition, but it serves instead to indicate the use of a term. The language of the food field is not always precise. Scope notes are therefore provided for many descriptors in order to achieve consistency in indexing and searching and, perhaps more importantly, to achieve the purpose of a common language for the description of foods.

**AI**  Additional Information
In addition to indexing information handled by the scope notes, the LanguaL thesaurus also includes a special property named Additional Information (AI), to be used for further description of more lexical or encyclopaedic nature (list of many different properties).

**FTC**  Facet Term Code
This symbol is followed by the unique identifier for each descriptor in the LanguaL thesaurus. The identifier, the facet term code, consists of one character identifying the facet followed by a four digit number.

In interchange of food description data, the use of facet codes using only the characters A to Z and digits solves the problem of special **character sets**. Using the facet term code in food description data interchange also avoids translation of descriptions.

The following **conventions** are used throughout the LanguaL thesaurus.

a)  Preferred terms are printed in upper case.

_Examples:_

BEVERAGE  
CONFECTIONERY
b) Non-preferred terms are printed in lower case except when the non-preferred term is a proper name requiring an upper case initial, or an abbreviation or acronym which should be printed throughout in upper case.

   *Examples:*
   
   BEVERAGE
   UF drink
   BREAM
   UF abramis brama
   DENMARK
   UF DK

### 2.4 Display of Terms and Relationships

Terms and their interrelationships of the LanguaL thesaurus are displayed in a variety of formats to meet different user needs:

(a) *alphabetical display*, with scope notes and indications of inter-term relationships (originally by FDA called the THESAURUS ENTRY REPORT or VOCABULARY ENTRY REPORT);

(b) *systematic display*, supported by an alphabetical index and a code index (originally by FDA called the THESAURUS HIERARCHIC REPORT or HIERARCHIC TREE REPORT).

#### 2.4.1 Alphabetical Display

In this form of thesaurus display, all indexing terms, whether preferred or non-preferred, are organised as a single alphabetical sequence. Broader, narrower and related terms and scope notes may also be included. When ancillary information is appended to preferred terms, it should be listed in the following order:

1. **FTC** references to the facet term codes representative of the terms
2. **BT** references to broader terms
3. **NT** references to narrower terms
4. **RT** references to related terms
5. **UF** references to non-preferred terms
6. **SN** scope note
7. **AI** additional information about the terms

In the LanguaL thesaurus alphabetical display, only one level above (BT) is given. The complete hierarchical relationships between terms are given in the systematic display (see below). Non-preferred terms are usually accompanied only by references (for example USE) to their preferred equivalents.
Example of alphabetical display:

<table>
<thead>
<tr>
<th>ABALONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTC: B1408</td>
</tr>
<tr>
<td>BT: ARCHAEOGASTROPOD (B1002)</td>
</tr>
<tr>
<td>NT: BLACKFOOT ABALONE (B2681)</td>
</tr>
<tr>
<td>UF: halotitis</td>
</tr>
<tr>
<td>USE: abramis brama</td>
</tr>
</tbody>
</table>

ACIDIFIED

| FTC: H0200       |
| BT: FLAVORING OR TASTE INGREDIENT ADDED (H0117) |
| UF: pickled by acidification |
| SN: Used when acid is added to a food product at any level. |

2.4.2 SYSTEMATIC DISPLAY

The systematic display shows the logical, hierarchical structure of the thesaurus; it consists of two parts:

- **Categories or hierarchies** of terms arranged according to their meanings and logical interrelationships.
- **An alphabetical index** which directs the user to the appropriate part(s) of the systematic section.

The ISO standards explain the link between these two sections to be a system of addresses. An address code is assigned to each of the preferred terms in the systematic section and this code functions as a reference in the alphabetical index. In LanguaL, these addresses are the facet term codes.

The systematic display allows the indexer or retriever to select the most specific term that can be assigned on the basis of the information at hand. It is frequently regarded as the main part of the thesaurus, i.e. the part that carries the most of the definitional and relational information, in which case the alphabetical index assumes the role of a complementary, but secondary, component.

Example of systematic display:

<table>
<thead>
<tr>
<th>G. COOKING METHOD (G0002)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOKED BY MOIST HEAT (G0012)</td>
</tr>
<tr>
<td>COOKED IN STEAM (G0021)</td>
</tr>
<tr>
<td>STEAMED WITH PRESSURE (G0022)</td>
</tr>
<tr>
<td>STEAMED WITHOUT PRESSURE (G0023)</td>
</tr>
<tr>
<td>COOKED IN WATER OR WATER-BASED LIQUID (G0013)</td>
</tr>
<tr>
<td>BOILED (G0014)</td>
</tr>
<tr>
<td>BOILED AND DRAINED (G0015)</td>
</tr>
<tr>
<td>BOILED IN LARGE AMOUNT OF LIQUID (G0016)</td>
</tr>
<tr>
<td>BOILED IN SMALL AMOUNT OF LIQUID (G0017)</td>
</tr>
</tbody>
</table>
Example of alphabetical index of terms:

<table>
<thead>
<tr>
<th>Code</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1408</td>
<td>ABALONE</td>
</tr>
<tr>
<td>B1645</td>
<td>ABALONE MUSHROOM</td>
</tr>
<tr>
<td>B1241</td>
<td>abelmoschus esculenthus</td>
</tr>
<tr>
<td>B1763</td>
<td>abramis brama</td>
</tr>
<tr>
<td>B1327</td>
<td>ACACIA</td>
</tr>
<tr>
<td>B1241</td>
<td>acacia insuavis</td>
</tr>
<tr>
<td>B1762</td>
<td>acanthistius brasilianus</td>
</tr>
<tr>
<td>B1630</td>
<td>acanthocybium solanderi</td>
</tr>
<tr>
<td>B2303</td>
<td>acanthuridae</td>
</tr>
<tr>
<td>B1360</td>
<td>ACEROLA</td>
</tr>
<tr>
<td>H0300</td>
<td>ACETIC ACID FERMENTED</td>
</tr>
<tr>
<td>H0200</td>
<td>ACIDIFIED</td>
</tr>
</tbody>
</table>

Example of alpha-numerical index of codes:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A0105</td>
<td>DRESSING, CONDIMENT, GRAVY OR SAUCE</td>
</tr>
<tr>
<td>A0106</td>
<td>PREPARED GRAIN OR STARCH PRODUCT</td>
</tr>
<tr>
<td>A0107</td>
<td>BAKERY PRODUCT, UNSWEETENED</td>
</tr>
<tr>
<td>A0108</td>
<td>PASTRY SHELL, UNSWEETENED</td>
</tr>
<tr>
<td>A0109</td>
<td>PASTEURIZED PROCESS CHEESE SPREAD</td>
</tr>
<tr>
<td>A0110</td>
<td>PASTEURIZED PROCESS CHEESE</td>
</tr>
<tr>
<td>A0111</td>
<td>PASTEURIZED PROCESS CHEESE FOOD</td>
</tr>
<tr>
<td>A0112</td>
<td>NONALCOHOLIC BEVERAGE</td>
</tr>
<tr>
<td>A0113</td>
<td>SPICE OR HERB</td>
</tr>
<tr>
<td>A0114</td>
<td>FROZEN DAIRY DESSERT</td>
</tr>
<tr>
<td>A0115</td>
<td>CHEESE OR CHEESE PRODUCT</td>
</tr>
</tbody>
</table>
3 LANGUA\text{L} VERSIONING

The changes and differences between the versions of the LanguaL thesaurus are documented with a report on the full thesaurus with alphabetical and systematic displays as well as this report on the changes between the versions. The detailed description of the changes from version 0 to version 2000 are described in LanguaL 2000 – Documentation of changes from Version 0\textsuperscript{8}, and the changes LanguaL 2000 to LanguaL 2007, and LanguaL 2007 to LanguaL 2008 are described in LanguaL 2007 – Documentation of Changes from version 2000\textsuperscript{9} and LanguaL 2008 - Documentation of Changes from version 2007\textsuperscript{10}, respectively.

Below, the most important changes from version 0 to version 2000 as well as the changes from version 2000 to version 2007, from version 2007 to version 2008, and from version 2008 to version 2009 are described. The detailed changes from version 2008 to version 2009 are described in chapter 4.

3.1 LANGUA\text{L} VERSION 0 AND VERSION 2000

In an effort to harmonise existing versions of LanguaL, a first international version of the thesaurus, called LanguaL Version 0, was published on the Internet by the International LanguaL steering Committee.\textsuperscript{11} The thesaurus provided by the US-FDA in 1995 (FDA 95) was defined as the basis for the international "Version 0" and all further discussions. This "Version 0" differs from FDA 95 in respect to the following modifications:

- correction of inconsistencies;
- removal of French synonyms;
- removal of leading zeros from the codes, in order to be able to compare FDA 95 with the versions used in the International Interface Standard (IIS) and French and Hungarian data bases.


Copies of the standardised thesaurus and the corresponding “Thesaurus Manager”, a means to browse the thesaurus, have been made available upon request at the Internet site created and maintained by the European LanguaL Technical Committee, on the LanguaL website\textsuperscript{12}:

National or regional user groups or authorities may organise the translation of the thesaurus, act as local competence centres and investigate how useful the different facets are in their cultural environment. A user interface allowing the search of foods available in nutrient databanks (USA and Europe) has also been created at the LanguaL Internet site in order to promote data interchange and provide a useful tool for persons looking for food composition data as well as publicity for national databanks.

The LanguaL thesaurus has been significantly modified over the last three years in order to include alternative international classification systems (e.g., CIAA Food Categorisation System, Global Product code, and EC and Codex Alimentarius classifications). This is to allow the description and retrieval of foods according to different legislations or needs (e.g., monitoring additive intake). This extension of LanguaL has lead to a framework for food description, instead of a closed system consisting of 14 facets.

The following updates and modifications took place from version 0 to version 2000:

- Facet A: Change of cardinality, inclusion of parallel food classifications and inclusion of food additive information
- Facet B: Inclusion of food additives, update of plant and fish species
- Facet C: Update of plant part information
- Facet E: Inclusion of particle size and change of cardinality
- Facet H: Inclusion of food additives
- Facet J: General M: General update and change of cardinality
- Facet N: General update
- Facet Z: Additional terms

Version 0 contained 3647 descriptors. The present Version 2008 contains 5573 descriptors.

### 3.2 LanguaL Version 2000 and Version 2007

From 2000, a series of proposals for new terms or clarification of existing terms submitted by LanguaL users have been published on the LanguaL website for discussion. The procedure is that a proposal is published on the LanguaL site for discussion for two months. After two months, the incoming comments or corrections are being evaluated together with the proposal, and if accepted by the LanguaL expert group, the proposals are implemented in the LanguaLThesaurus.

All proposals and their status are available on the LanguaL website under proposals\textsuperscript{13}.

\textsuperscript{12} http://www.langual.org/
\textsuperscript{13} http://www.langual.org/proposals.asp
From version 2007, related terms (RT) have been included in the LanguaL thesaurus. This will facilitate the cross-linking of terms in the thesaurus, which is especially helpful for indexing the parallel food classifications in facet A, but also helpful in creating relations across facets. The related terms have also been implemented in the LanguaL Food Product Indexer software.

From 2000 to 2007, 11 major proposals have been put forward. Based on the proposals, the following changes/modifications have been implemented in the LanguaL thesaurus:

- **Facet A**: Inclusion of food classifications, comprising EuroFIR food classification for food composition databases, the top level of Eurocode2, Classification of Food And Feed Commodities (Codex Alimentarius), and the European Food Groups (EFCOSUM).
- **Facet B**: Update of plant and fish species; minor relocations of descriptors.
- **Facet C**: Update of plant part information.
- **Facet E**: Minor update.
- **Facet H**: Update of treatment terms.
- **Facet J**: Revision of preservation descriptors.
- **Facet M**: Minor update.
- **Facet N**: Minor update.
- **Facet R**: General update.
- **Facet Z**: Additional terms.

### 3.3 **LanguaL 2007 and LanguaL 2008**

From 2007 to 2008, 8 major proposals have been put forward. Based on the proposals, the following changes/modifications have been implemented in the LanguaL thesaurus:

- **Facet A**: Inclusion of food classifications, comprising Global Product Code (Global System 1), top level classes of Classification of Products of Plant and Animal Origin (COMMISSION REGULATION (EC) No 178/2006), and Codex Alimentarius cheese classifications (Codex Stan A6).
- **Facet B**: Update of plant and fish species; minor relocations of descriptors.
- **Facet C**: Update of plant part information, renaming of descriptors.
- **Facet E**: Minor update.
- **Facet H**: Minor update.
- **Facet J**: Revision heat treatment descriptors, especially concerning pasteurization.
- **Facet M**: Minor update.
- **Facet N**: Minor update.
• Facet R: General update of fishing areas in accordance with FAO statistical areas for fishery purposes
• Facet Z: Additional terms, health and nutrition claims

3.4 LanguaL 2008 and LanguaL 2009

From 2009 to 2009, 8 major proposals have been put forward. Based on the proposals, the following changes/modifications have been implemented in the LanguaL thesaurus:

• Facet A: Inclusion of USDA Standard Reference food classification and extensive update of related terms.
• Facet B: A major update of fish and plant species have started, including extensive scientific name documentation; some relocations of descriptors
• Facet C: Minor update
• Facet E: Minor update
• Facet H: Minor update.
• Facet J: Minor update.
• Facet M: Minor update
• Facet N: Minor update
• Facet R: Minor update
• Facet P: Minor update, traditional and ethnic foods
• Facet Z: Additional descriptors

3.5 Planned updates for LanguaL 2010

The classifications for food/dietary supplements, originally suggested by the CEN/TC 387 working group, is currently under finalization after discussion in international fora. The current suggestions include a substantial amount of new descriptors to be included in a range of LanguaL facets.

Furthermore, the major update of fish and plant species will be continued in the next version as well as an update of the food additive information included in LanguaL.

The next version of LanguaL, LanguaL 2010, is expected to be published by the end of 2010.
4 DESCRIPTION OF PROPOSALS AND UPDATES IN LANGUAŁ 2009

4.1 PROPOSAL FROM JAYNE IRELAND, DANISH FOOD INFORMATION, DENMARK, CONCERNING INCLUSION OF RELATED TERMS IN FACET A - SUBMITTED 2009-01-23

A substantial amount of related terms, in total 735, has been added to LanguaŁ facet A. The related terms (RT) facilitates indexing of several classifications for the same food as well as provides a simple tool for mapping between several food classification systems.

4.2 PROPOSAL FROM ANDERS MØLLER, DANISH FOOD INFORMATION, DENMARK, CONCERNING INCLUSION OF US FDA SEAFOOD LIST AND REGULATORY FISH ENCyclopedia (RFE) AND CORRESPONDING FAO AFSIS ISCAAP INFORMATION IN THE UPDATE OF LANGUAŁ FACET B’S FISH SECTION - SUBMITTED 2009-05-28

The inclusion of the US FDA Seafood List And Regulatory Fish Encyclopedia (RFE) and corresponding FAO AFSIS ISCAAP information has started in LanguaŁ 2009 and is expected to be finished in LanguaŁ 2010.

4.3 PROPOSAL FROM HELENA COSTA, INSA, PORTUGAL, JAYNE IRELAND, DFI, DENMARK, AND SANTOSH KHOKHAR, UL, GREAT BRITAIN, CONCERNING "TRADITIONAL" AND "ETHNIC" CLAIMS OR USE - SUBMITTED 2009-08-31

The proposed descriptors have been added to LanguaŁ 2009 as follows:

TRADITIONAL FOOD CLAIM OR USE
BT: RELIGION- OR CUSTOMS-RELATED CLAIM OR USE [P0126]
AI: A traditional food product is a product frequently consumed or associated to specific celebrations and/or seasons, normally transmitted from one generation to another, made with care in a specific way according to the gastronomic heritage, with little or no processing/manipulation, that is distinguished and known because of its sensory properties and associated to a certain local area, region or country.
[http://www.truefood.eu/] Traditional means conforming to established practice or specifications prior to the Second World War. Traditional food is a food of a specific feature or features, which distinguish it clearly from other similar
products of the same category in terms of the use of traditional ingredients (raw materials or primary products), traditional composition or traditional type of production and/or processing method. [Traditional Foods in Europe, EuroFIR Synthesis report No 6, 2009]

And possibly also the narrower descriptors:

**TRADITIONAL INGREDIENT CLAIM OR USE**

**BT : TRADITIONAL FOOD CLAIM OR USE**

**AI:** Raw material (species and/or varieties) or primary product either alone or as an ingredient that has been used in identifiable geographical areas and remains in use today (taking into account cases where use was abandoned for a time and then reinstated) and its characteristics are in accordance with current specifications of national and EU legislation. [Traditional Foods in Europe, EuroFIR Synthesis report No 6, 2009]

**SN:** Use when “Traditional ingredients” is claimed.

**TRADITIONAL COMPOSITION CLAIM OR USE**

**BT : TRADITIONAL FOOD CLAIM OR USE**

**AI:** The uniquely identifiable composition (in terms of ingredients) that was first established prior to the Second World War and passed down through generations by oral or other means (taking into account cases where composition was abandoned for a time and then reinstated) and when necessary is differentiated from the composition defined by the generally recognized characteristics of the wider food group to which the product belongs. [Traditional Foods in Europe, EuroFIR Synthesis report No 6, 2009]

**SN:** Use when “Traditional composition” is claimed.

**TRADITIONAL TYPE OF PRODUCTION AND/OR PROCESSING CLAIM OR USE**

**BT : TRADITIONAL FOOD CLAIM OR USE**

**AI:** The production and/or processing of a food that has been transmitted from generation to generation through oral tradition or other means and has been applied prior to the Second World War and remains in use (taking into account cases where composition was abandoned for a time and then reinstated) despite its adjustment to binding rules from national or EU food hygiene regulations or the incorporation of technological progress, under the condition that production and/or processing remains in line with methods used originally and that the food’s intrinsic features such as its physical, chemical, microbiological or organoleptic features are maintained. [Traditional Foods in Europe, EuroFIR Synthesis report No 6, 2009]

**SN:** Use when “Traditional type of production and/or processing” is claimed.

**ETHNIC FOOD CLAIM OR USE**

**BT : RELIGION- OR CUSTOMS-RELATED CLAIM OR USE [P0126]**

**AI:** Ethnic food is food from countries other than the home market contributing to a different food culture than the traditional cuisine of the host country. [Ethnic Groups and Foods in Europe, EuroFIR Synthesis report No 3, 2005]

“Ethnic food” has been used colloquially for a wide variety of foodstuffs, virtually any that can be identified in the public mind with a foreign source or an ethnic minority group. In the narrower ethnographic meaning, it pertains only to food prepared or consumed by members of an ethnic group as a manifestation of its ethnicity. In the end ethnic food is food that members of an ethnic group consider their own and that others attribute to them. [http://www.answers.com/topic/ethnic-cuisines]

**AUTHENTIC ETHNIC FOOD CLAIM OR USE**

**BT :ETHNIC FOOD CLAIM OR USE**

**AI:** Authentic ethnic food is food from countries other than the home market contributing to a different food culture than the traditional cuisine of the host country. Food may be adapted by combining local and imported ingredients. [Ethnic Groups and Foods in Europe, EuroFIR Synthesis report No 3, 2005]

**MODIFIED ETHNIC FOOD CLAIM OR USE**

**BT :ETHNIC FOOD CLAIM OR USE**

**AI:** Modified ethnic food: a commercially-available version of a food that has been modified to suit the taste and preference of the host country. [Ethnic Groups and Foods in Europe, EuroFIR Synthesis report No 3, 2005]

4.4 **PROPOSAL FROM EFFIE VASILOPOULOU, HHF, GREECE, CONCERNING INCLUSION OF GREEK WILD GREENS IN LanguaL FACET B - SUBMITTED 2009-08-31**

The following plant species from
CA_1049 Campion, raw
CA_1050 Corn poppy, raw
CA_1053 Hartwort, raw
CA_1056 Plantain/Plantago, raw
CA_1058 Salsify, raw
CA_1059 Shepherds-needle, raw
CA_1047 Sow thistle, raw
CA_1061 Vervain, raw
CA_1057 Wild carrot
have been added to LanguaL Facet B with cross reference to the ITIS, GRIN, Mansfed and eBASIS databases.

4.5 **Proposal from Jayne Ireland, DFI, Denmark, concerning descriptors including "smoked" and "salted" in facet H - submitted 2009-09-03**

Due to the agreed changes and elimination introduced from LanguaL 2007 for a series of specific indexing rules for “second, third or fourth ingredient” when indexing added ingredients, changes to several Scope Notes has been necessary.
5 LIST OF OTHER THESAURUS CHANGES IN CHRONOLOGICAL ORDER
0100 DAIRY AND EGG PRODUCTS (USDA SR)
FTC: A1271
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: DAIRY PRODUCT (US CFR) [A0164]
RT: EGG OR EGG PRODUCT (US CFR) [A0261]
RT: DAIRY PRODUCTS, EXCLUDING FATS AND OILS, FAT EMULSIONS (CCFAC) [A0626]
RT: EGG AND EGG PRODUCTS (CCFAC) [A0635]
RT: MILK, MILK PRODUCT OR MILK SUBSTITUTE (EUROFIR) [A0778]
RT: EGG OR EGG PRODUCT (EUROFIR) [A0790]
Date: 2008-08-29

0200 SPICES AND HERBS (USDA SR)
FTC: A1272
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: SPICE OR HERB (US CFR) [A0113]
RT: SALTS AND SPICES, SOUPS, SAUCES AND SALADS, PROTEIN PRODUCTS ETC. (CCFAC) [A0637]
RT: SPICE, CONDIMENT OR OTHER INGREDIENT (EUROFIR) [A0853]
Date: 2008-08-29

0300 BABY FOODS (USDA SR)
FTC: A1273
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: FOOD FOR INFANTS (EUROFIR) [A0873]
RT: INFANT OR TODDLER FOOD [P0020]
Date: 2008-08-29

0400 FATS AND OILS (USDA SR)
FTC: A1274
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: REFINED OR PARTIALLY-REFINED FOOD PRODUCT (US CFR) [A0129]
RT: FATS AND OILS, AND FAT EMULSIONS (TYPE WATER-IN-OIL) (CCFAC) [A0627]
RT: FAT OR OIL (EUROFIR) [A0805]
RT: FAT OR OIL [C0190]
Date: 2008-08-29

0500 POULTRY PRODUCTS (USDA SR)
FTC: A1275
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: POULTRY OR POULTRY PRODUCT (US CFR) [A0273]
RT: POULTRY MEAT (EUROFIR) [A0795]
Date: 2008-08-29

0600 SOUPS, SAUCES, AND GRAVIES (USDA SR)
FTC: A1276
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: SOUP (US CFR) [A0198]
RT: GRAVY OR SAUCE (US CFR) [A0286]
RT: SAVOURY SAUCE (EUROFIR) [A0862]
RT: SOUP (EUROFIR) [A0865]
Date: 2008-08-29

0700 SAUSAGES AND LUNCHEON MEATS (USDA SR)
FTC: A1277
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: POULTRY-BASED SAUSAGE OR LUNCHEON MEAT (US CFR) [A0131]
RT: SAUSAGE OR LUNCHEON MEAT (US CFR) [A0221]
0800 BREAKFAST CEREALS (USDA SR)

FTC: A1278
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: BREAKFAST CEREAL (US CFR) [A0258]
RT: BREAKFAST CEREAL (EUROFIR) [A0816]
RT: 10000284 - CEREALS PRODUCTS - READY TO EAT (SHELF STABLE) (GS1 GPC) [A0971]
Date: 2008-08-29

0900 FRUITS AND FRUIT JUICES (USDA SR)

FTC: A1279
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: FRUIT OR FRUIT PRODUCT (US CFR) [A0143]
RT: FRUITS AND VEGETABLES (CCFAC) [A0629]
RT: FRUIT OR FRUIT PRODUCT (EUROFIR) [A0833]
RT: JUICE OR NECTAR (EUROFIR) [A0841]
Date: 2008-08-29

1000 PORK PRODUCTS (USDA SR)

FTC: A1280
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: MEAT OR MEAT PRODUCT (FROM MAMMAL) (US CFR) [A0150]
RT: MEAT OR MEAT PRODUCT (EUROFIR) [A0793]
RT: SWINE [B1136]
Date: 2008-08-29

1100 VEGETABLES AND VEGETABLE PRODUCTS (USDA SR)

FTC: A1281
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: VEGETABLE OR VEGETABLE PRODUCT (US CFR) [A0152]
RT: FRUITS AND VEGETABLES (CCFAC) [A0629]
RT: VEGETABLE OR VEGETABLE PRODUCT (EUROFIR) [A0825]
Date: 2008-08-29

1200 NUT AND SEED PRODUCTS (USDA SR)

FTC: A1282
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: NUT OR SEED PRODUCT (US CFR) [A0306]
RT: NUT, SEED OR KERNEL (EUROFIR) [A0823]
Date: 2008-08-29

1300 BEEF PRODUCTS (USDA SR)

FTC: A1283
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: MEAT OR MEAT PRODUCT (FROM MAMMAL) (US CFR) [A0150]
RT: MEAT OR MEAT PRODUCT (EUROFIR) [A0793]
RT: CATTLE [B1161]
Date: 2008-08-29

1400 BEVERAGES (USDA SR)

FTC: A1284
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: BEVERAGE (US CFR) [A0229]
RT: BEVERAGES, EXCLUDING DAIRY PRODUCTS (CCFAC) [A0639]
RT:  BEVERAGE (NON-MILK) (EUROFIR) [A0840]
Date:  2008-08-29

1500 FINFISH AND SHELLFISH PRODUCTS (USDA SR)
FTC:  A1285
BT:  PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT:  SEAFOOD OR SEAFOOD PRODUCT (US CFR) [A0267]
RT:  FISH AND FISH PRODUCTS (CCFAC) [A0634]
RT:  SEAFOOD OR RELATED PRODUCT (EUROFIR) [A0801]
Date:  2008-08-29

1600 LEGUMES AND LEGUME PRODUCTS (USDA SR)
FTC:  A1286
BT:  PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT:  VEGETABLE OR VEGETABLE PRODUCT (US CFR) [A0152]
RT:  014 LEGUME VEGETABLES (VP) (CCPR) [A0679]
RT:  015 PULSES (VD) (CCPR) [A0680]
RT:  PULSE OR PULSE PRODUCT (EUROFIR) [A0831]
Date:  2008-08-29

1700 LAMB, VEAL, AND GAME PRODUCTS (USDA SR)
FTC:  A1287
BT:  PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT:  MEAT OR MEAT PRODUCT (FROM MAMMAL) (US CFR) [A0150]
RT:  MEAT OR MEAT PRODUCT (EUROFIR) [A0793]
Date:  2008-08-29

1800 BAKED PRODUCTS (USDA SR)
FTC:  A1288
BT:  PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT:  BAKERY PRODUCT (US CFR) [A0191]
RT:  BAKERY WARES (CCFAC) [A0632]
RT:  BREAD (EUROFIR) [A0817]
RT:  FINE BAKERY WARE (EUROFIR) [A0821]
Date:  2008-08-29

1900 SWEETS (USDA SR)
FTC:  A1289
BT:  PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT:  CONFECTIONERY (US CFR) [A0188]
RT:  CONFECTIONARY (CCFAC) [A0630]
RT:  SUGAR OR SUGAR PRODUCT (EUROFIR) [A0835]
Date:  2008-08-29

2000 CEREAL GRAINS AND PASTA (USDA SR)
FTC:  A1290
BT:  PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT:  MILLED GRAIN OR STARCH PRODUCT (US CFR) [A0149]
RT:  MACARONI OR NOODLE PRODUCT (US CFR) [A0275]
RT:  CEREALS AND CEREAL PRODUCTS (CCFAC) [A0631]
RT:  RICE OR OTHER GRAIN (EUROFIR) [A0814]
RT:  PASTA (EUROFIR) [A0815]
Date:  2008-08-29

2100 FAST FOODS (USDA SR)
FTC:  A1291
2100 FAST FOODS (USDA SR)

FTC: A1291
Old BT: 2000 CEREAL GRAINS AND PASTA (USDA SR) [A1290] moved to
New BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
Date: 2008-08-29

2200 MEALS, ENTREES, AND SIDEDISHES (USDA SR)

FTC: A1292
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: PREPARED FOOD PRODUCT (US CFR) [A0172]
RT: PREPARED FOOD PRODUCT (EUROFIR) [A0861]
Date: 2008-08-29

2500 SNACKS (USDA SR)

FTC: A1293
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
RT: SNACK FOOD (US CFR) [A0228]
RT: READY-TO-EAT SAVORIES (CCFAC) [A0640]
RT: SAVOURY SNACK (EUROFIR) [A0868]
Date: 2008-08-29

3500 ETHNIC FOODS (USDA SR)

FTC: A1294
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
Date: 2008-08-29

BEVERAGE (US CFR)

FTC: A0229
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
RT: BEVERAGE (NON-MILK) (EUROFIR) [A0840]
RT: 50200000 - BEVERAGES (GS1 GPC) [A0875]
RT: 1400 BEVERAGES (USDA SR) [A1284]
AI: Alcoholic or nonalcoholic beverage; excludes milk and milk-based beverages, fruit juices and fruit juice drinks, and vegetable juices. [FDA CFSAN 1995]
Date: 2008-08-29

Cacao or Chocolate Product (US CFR)

FTC: A0272
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
AI: Any form of cacao, cacao product, chocolate, chocolate product or chocolate product analog except chocolate candy; includes such products as cacao beans, cacao nibs, chocolate liquor, sweet or milk chocolate, and chocolate syrup; excludes flavors and extracts derived from cacao beans and chocolate- or cacao-flavored foods (21 CFR 163). [FDA CFSAN 1995]
Date: 2008-08-29

CHEWING GUM (US CFR)

FTC: A0176
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
AI: An elastic substance flavored and used for chewing; it may be sweetened with a nutritive or nonnutritive sweetener. [FDA CFSAN 1995]
Date: 2008-08-29
CONFECTIONERY (US CFR)

FTC: A0188
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
RT: NON-CHOCOLATE CONFECTIONERY OR OTHER SUGAR PRODUCT (EUROFIR) [A0838]
RT: CHOCOLATE OR CHOCOLATE PRODUCT (EUROFIR) [A0839]
RT: 50161800 - CONFECTIONERY PRODUCTS (GS1 GPC) [A0977]
RT: 1900 SWEETS (USDA SR) [A1289]
AI: Candy or other food product made with sweeteners and frequently containing nuts, fruits, starches, flavorings and other foods (21 CFR 170.3(n)(9). [FDA CFSAN 1995]
Date: 2008-08-29

DAIRY PRODUCT (US CFR)

FTC: A0164
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
RT: MILK, MILK PRODUCT OR MILK SUBSTITUTE (EUROFIR) [A0778]
RT: 50130000 - MILK/BUTTER/CREAM/YOGHURTS/CHESSE/EGGS/SUBSTITUTES (GS1 GPC) [A1025]
RT: 0100 DAIRY AND EGG PRODUCTS (USDA SR) [A1271]
AI: Milk, a product derived from milk, or a dairy product analog; includes cheese and frozen dairy desserts. [FDA CFSAN 1995]
Date: 2008-08-29

DRESSING, CONDIMENT, GRAVY OR SAUCE (US CFR)

FTC: A0105
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
RT: 50171800 - SAUCES/SPREADS/DIPS/CONDIMENTS (GS1 GPC) [A1183]
AI: Seasoned product that contains multiple ingredients and that is used in limited amounts to accompany other foods; excludes flavors, spices and herbs.
Date: 2008-08-29

EGG OR EGG PRODUCT (US CFR)

FTC: A0261
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
RT: EGG OR EGG PRODUCT (EUROFIR) [A0790]
RT: 50131600 - EGGS/EGG SUBSTITUTES (GS1 GPC) [A1038]
RT: 0100 DAIRY AND EGG PRODUCTS (USDA SR) [A1271]
AI: Fresh egg in shell, liquid, frozen, dried egg or egg component, or egg product analog. Includes boiled, poached, scrambled, and fried eggs. Excludes prepared egg dishes, such as omelettes.
Date: 2008-08-29

FLAVORING OR SEASONING (US CFR)

FTC: A0133
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
RT: SPICE, CONDIMENT OR OTHER INGREDIENT (EUROFIR) [A0853]
RT: 50170000 - SEASONINGS/PRESERVATIVES/EXTRACTS (GS1 GPC) [A1165]
AI: Product that imparts or helps to impart a taste or aroma in food (21 CFR.170.3(n)(26). [FDA CFSAN 1995]
Date: 2008-08-29

FOOD ADDITIVE (US CFR)

FTC: A0181
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
AI: Substance that is added to food or that is used to treat food and that becomes a component of the food or otherwise affects the functional or nutritional characteristics of the food; for purposes of this vocabulary it excludes products that fall under other categories, such as flavors and sweeteners. [FDA CFSAN 1995]

Date: 2008-08-29

FRUIT OR VEGETABLE PRODUCT (US CFR)
FTC: A0257
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
RT: 50100000 - FRUITS/VEGETABLES/NUTS/SEEDS (GS1 GPC) [A0987]
AI: Fruits and vegetables in all forms. [FDA CFSAN 1995]

Date: 2008-08-29

GLAZE (US CFR)
FTC: A0214
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
AI: An edible coating used to enhance appearance and palatability and to protect the food product. [FDA CFSAN 1995]

Date: 2008-08-29

GRAIN OR STARCH PRODUCT (US CFR)
FTC: A0125
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
RT: GRAIN OR GRAIN PRODUCT (EUROFIR) [A0812]
RT: 50220000 - CEREAL/GRAIN/PULSE PRODUCTS (GS1 GPC) [A0960]
AI: Any form of whole or milled grain, prepared grain product or starch containing product derived from non-grain sources. [FDA CFSAN 1995]

Date: 2008-08-29

MEAT, POULTRY, SEAFOOD OR RELATED PRODUCT (US CFR)
FTC: A0217
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
RT: MEAT OR MEAT PRODUCT (EUROFIR) [A0793]
RT: SEAFOOD OR RELATED PRODUCT (EUROFIR) [A0801]
RT: 50110000 - MEAT/POULTRY/GAME/BATRACHIAN (GS1 GPC) [A1015]
RT: 50120000 - SEAFOOD (GS1 GPC) [A1124]
AI: Products of the flesh of animals. [FDA CFSAN 1995]

Date: 2008-08-29

NUT OR SEED PRODUCT (US CFR)
FTC: A0306
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
RT: NUT, SEED OR KERNEL (EUROFIR) [A0823]
RT: NUT OR SEED PRODUCT (EUROFIR) [A0824]
RT: 50101800 - NUTS/SEEDS - PREPARED/PROCESSED (GS1 GPC) [A1000]
RT: 50101700 - NUTS/SEEDS - UNPREPARED/UNPROCESSED (GS1 GPC) [A1003]
RT: 1200 NUT AND SEED PRODUCTS (USDA SR) [A1282]

Date: 2008-08-29

PREPARED FOOD PRODUCT (US CFR)
FTC: A0172
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
RT: PREPARED FOOD PRODUCT (EUROFIR) [A0861]
RT: 50190000 - PREPARED/PRESERVED FOODS (GS1 GPC) [A1061]
RT: 2200 MEALS, ENTREES, AND SIDEDISHES (USDA SR) [A1292]
AI: Food product that is 1) ready or nearly ready for consumption; 2) usually a composite of several foods or
ingredients that often belong to distinct product types; 3) usually formulated, mixed and partially or fully
cooked. Prepared foods often undergo several of the processes listed in “F. EXTENT OF HEAT
TREATMENT” and “H. TREATMENT APPLIED”; these factors should be carefully considered in
indexing. The classification of prepared food products emphasizes consumption characteristics. [FDA
CFSAN 1995]
Date: 2008-08-29

PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21
FTC: A1270
Old BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269] moved to
New BT: PRODUCT TYPE, USA [A0289]
SN: This term is for CLASSIFICATION ONLY; DO NOT USE term in indexing. Use a more precise narrower
term.
AI: Food and Drugs, title 21, Code of Federal Regulations. Original food classification in LanguaL.
Date: 2008-08-29

PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21
FTC: A1270
BT: PRODUCT TYPE, USDA STANDARD REFERENCE [A1269]
Date: 2008-08-29

PRODUCT TYPE, USDA STANDARD REFERENCE
FTC: A1269
BT: PRODUCT TYPE, USA [A0289]
SN: This term is for CLASSIFICATION ONLY; DO NOT USE term in indexing. Use a more precise narrower
term.
AI: Food classification according to the USDA National Nutrient Database for Standard Reference.
Date: 2008-08-29

REFINED OR PARTIALLY-REFINED FOOD PRODUCT (US CFR)
FTC: A0129
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
AI: Extract, concentrate or isolate derived from a food source through one or more refining steps (see
*EXTRACT, CONCENTRATE OR ISOLATE OF PLANT OR ANIMAL*) and marketed as such. [FDA
CFSAN 1995]
Date: 2008-08-29

SNACK FOOD (US CFR)
FTC: A0228
Old BT: PRODUCT TYPE, USA [A0289] moved to
New BT: PRODUCT TYPE, U.S. CODE OF FEDERAL REGULATIONS, TITLE 21 [A1270]
RT: SAVOURY SNACK (EUROFIR) [A0868]
RT: 50192100 - SNACKS (GS1 GPC) [A1108]
RT: 2500 SNACKS (USDA SR) [A1293]
AI: Unsweetened food product marketed for consumption between meals; excludes nuts, edible seeds, and
sweetened products such as cakes, puddings and candies. [FDA CFSAN 1995]
Date: 2008-08-29

EXTERNAL FAT TRIMMED TO 1/8 INCH
FTC: Z0252
BT: EXTENT OF FAT TRIM [Z0107]
Date: 2008-08-31

BLACK GUILLEMET
FTC: B3508
BT: POUlTRY OR GAME BIRD [B1563]
AI: <SCINAM>Cephus grylle (Linnaeus, 1758) [ITIS]<ITIS>176985
Date: 2008-10-18

DOVE
FTC: B1203
Old BT: POUlTRY OR GAME BIRD [B1563] moved to
New BT: PIGEON [B1304]
Date: 2008-10-18

ALPINE STRAWBERRY
FTC: B3339
Old BT: STRAWBERRY [B1393] moved to
New BT: EUROPEAN STRAWBERRY [B2948]
Date: 2009-06-30

ETHNIC FOOD CLAIM OR USE
FTC: P0235
BT: RELIGION- OR CUSTOMS-RELATED CLAIM OR USE [P0126]
AI: Ethnic food is food from countries other than the home market contributing to a different food culture than
the traditional cuisine of the host country. [Ethnic Groups and Foods in Europe, EuroFIR Synthesis report
No 3, 2005]
"Ethnic food" has been used colloquially for a wide variety of foodstuffs, virtually any that can be identified
in the public mind with a foreign source or an ethnic minority group. In the narrower ethnographic
meaning, it pertains only to food prepared or consumed by members of an ethnic group as a
manifestation of its ethnicity. In the end ethnic food is food that members of an ethnic group consider their
own and that others attribute to them. [http://www.answers.com/topic/ethnic-
cuisines]
Date: 2009-11-08

TRADITIONAL FOOD CLAIM OR USE
FTC: P0234
BT: RELIGION- OR CUSTOMS-RELATED CLAIM OR USE [P0126]
AI: ‘Traditional’ means proven usage on the Community market for a time period showing transmission
between generations; this time period should be the one generally ascribed to one human generation, at
least 25 years [COUNCIL REGULATION (EC) No 509/2006 of 20 March 2006 on agricultural products
and foodstuffs as traditional specialities guaranteed].
A traditional food product is a product frequently consumed or associated to specific celebrations and/or
seasons, normally transmitted from one generation to another, made with care in a specific way
according to the gastronomic heritage, with little or no processing/manipulation, that is distinguished and
known because of its sensory properties and associated to a certain local area, region or country.
[http://www.truefood.eu/]
Traditional means conforming to established practice or specifications prior to the Second World War.
Traditional food is a food of a specific feature or features, which distinguish it clearly from other similar
products of the same category in terms of the use of traditional ingredients (raw materials or primary
products), traditional composition or traditional type of production and/or processing method. [Traditional
Foods in Europe, EuroFIR Synthesis report No 6, 2009]
Date: 2009-11-08

AALAND ISLANDS
FTC: R0522
BT: EUROPE, NORDIC COUNTRIES [R0360]
Date: 2009-11-09

GREENLAND
FTC: R0521
BT: EUROPE, NORDIC COUNTRIES [R0360]
Date: 2009-11-09
KOSOVO
FTC: R0520
BT: EUROPE, EASTERN [R0357]
SN: Use for the Republic of Kosovo
Date: 2009-11-09

MACEDONIA
FTC: R0519
BT: EUROPE, EASTERN [R0357]
SN: Use for the Republic of Macedonia.
Date: 2009-11-09

ANGEL SHARK FAMILY
FTC: B1914
Old BT: FISH, SQUALIFORMES [B1911] moved to
New BT: FISH, SQUANTINIFORMES [B3519]
Date: 2010-03-05

ATLANTIC ANGEL SHARK
FTC: B3520
BT: ANGEL SHARK [B1138]
AI: <SCINAM>Squatina dumeril Lesueur, 1818 [ITIS 160787]
     <SCINAM>Squatina dumeril Lesueur, 1818 [FISHBASE 731]
Date: 2010-03-05

BONNETHEAD
FTC: B2594
Old BT: HAMMERHEAD SHARK FAMILY [B2591] moved to
New BT: HAMMERHEAD SHARK [B2598]
AI: <SCINAM>Sphyrna tiburo (Linnaeus, 1758) [ITIS 160499]
     <SCINAM>Sphyrna tiburo (Linnaeus, 1758) [FISHBASE 915]
Date: 2010-03-05

CARCHARODON
FTC: B3523
Old BT: MACKEREL SHARK FAMILY [B1915] moved to
New BT: MAKO SHARK [B2470]
AI: <SCINAM>Carcharodon Smith in Müller and Henle, 1838 [ITIS 159902]
Date: 2010-03-05

CARCHARODON
FTC: B3523
Old BT: MAKO SHARK [B2470] moved to
New BT: MACKEREL SHARK FAMILY [B1915]
Date: 2010-03-05

CARCHARODON
FTC: B3523
BT: MACKEREL SHARK FAMILY [B1915]
Date: 2010-03-05

CARRIBEAN REEF SHARK
FTC: B3530
BT: GREY SHARKS [B3526]
AI: <SCINAM>Carcharhinus perezii (Poey, 1876) [ITIS 160336]
     <SCINAM>Carcharhinus perezii (Poey, 1876) [FISHBASE 879]
CAT SHARK FAMILY
FTC: B3516
BT: FISH, CARCHARHINIFORMES [B3515]
AI: <SCIFAM>Scyliorhinidae Gill, 1862 [ITIS 551500]
Date: 2010-03-05

DUSKY SHARK
FTC: B3531
BT: GREY SHARKS [B3526]
AI: <SCINAM>Carcharhinus obscurus (Lesueur, 1818) [ITIS 160268]
<SCINAM>Carcharhinus obscurus (Lesueur, 1818) [FISHBASE 878]
Date: 2010-03-05

DUSKY SMOOTH-HOUND
FTC: B2312
Old BT: DOGFISH SHARK FAMILY [B1912] moved to
New BT: HOUND SHARK FAMILY [B3510]
AI: <SCINAM>Mustelus canis (Mitchill, 1815) [ITIS 160230]
<SCINAM>Mustelus canis (Mitchill, 1815) [FISHBASE 2539]
Date: 2010-03-05

FISH, CARCHARHINIFORMES
FTC: B3515
BT: FISH, CARTILAGINOUS [B1007]
Date: 2010-03-05

FISH, SQUANTINIFORMES
FTC: B3519
BT: FISH, CARTILAGINOUS [B1007]
Date: 2010-03-05

GREAT HAMMERHEAD
FTC: B2593
Old BT: HAMMERHEAD SHARK FAMILY [B2591] moved to
New BT: HAMMERHEAD SHARK [B2598]
AI: <SCINAM>Sphyrna mokarran (Rüppell, 1837) [ITIS 160515]
<SCINAM>Sphyrna mokarran (Rüppell, 1837) [FISHBASE 915]
Date: 2010-03-05

GREAT WHITE SHARK
FTC: B3525
BT: CARCHARODON [B3523]
AI: <SCINAM>Carcharodon carcharias (Linnaeus, 1758) [ITIS 159903]
<SCINAM>Carcharodon carcharias (Linnaeus, 1758) [FISHBASE 751]
Date: 2010-03-05

GREY SHARKS
FTC: B3526
BT: REQUIEM SHARK FAMILY [B1916]
AI: <SCINAM>Carcharhinus Blainville, 1816 [ITIS 160267]
Date: 2010-03-05

GUMMY SHARK
FTC: B3512
BT: HOUND SHARK FAMILY [B3510]
HAMMERHEAD SHARK FAMILY
FTC: B2591
Old BT: FISH, LAMNIFORMES [B2553] moved to
New BT: FISH, CARCHARHINIFORMES [B3515]
AI: <SCIFAM>Sphyrnidae Gill, 1872 [ITIS 160497]
Date: 2010-03-05

HOUND SHARK FAMILY
FTC: B3510
BT: FISH, SQUALIFORMES [B1911]
AI: <SCIFAM>Triakidae Gray, 1851 [ITIS 160529]
Date: 2010-03-05

LANTERN SHARK FAMILY
FTC: B3509
BT: FISH, SQUALIFORMES [B1911]
AI: <SCIFAM>Etmopteridae Fowler, 1934 [ITIS 649694]
Date: 2010-03-05

LONGFIN MAKO SHARK
FTC: B2472
Old BT: MACKEREL SHARK FAMILY [B1915] moved to
New BT: MAKO SHARK [B2470]
AI: <SCINAM>Isurus paucus Guitart Manday, 1966 [ITIS 159926]
<SCINAM>Isurus paucus Guitart Manday, 1966 [FISHBASE 753]
Date: 2010-03-05

LONGNOSE SPURDOG
FTC: B3514
BT: DOGFISH SHARK FAMILY [B1912]
AI: <SCINAM>Squalus blainville (Risso, 1827) [ITIS 160621]
<SCINAM>Squalus blainville (Risso, 1827) [FISHBASE 708]
Date: 2010-03-05

MACKEREL SHARK
FTC: B3522
BT: MACKEREL SHARK FAMILY [B1915]
AI: <SCINAM>Lamna Cuvier, 1816 [ITIS 159909]
Date: 2010-03-05

NEW ZEALAND LANTERNSHARK
FTC: B2910
Old BT: DOGFISH SHARK FAMILY [B1912] moved to
New BT: LANTERN SHARK FAMILY [B3509]
AI: <SCINAM>Etmopterus baxteri Garrick, 1957 [ITIS 160674]
<SCINAM>Etmopterus baxteri Garrick, 1957 [FISHBASE 54017]
Date: 2010-03-05

NIGHT SHARK
FTC: B3528
BT: GREY SHARKS [B3526]
AI: <SCINAM>Carcharhinus signatus (Poey, 1868) [ITIS 160413]
<SCINAM>Carcharhinus signatus (Poey, 1868) [FISHBASE 883]
NURSEHOUND
FTC:     B3517
BT:      CAT SHARK FAMILY [B3516]
AI:      <SCINAM>Scyliorhinus stellaris (Linnaeus, 1758) [ITIS 160067]
          <SCINAM>Scyliorhinus stellaris (Linnaeus, 1758) [FISHBASE 854]
Date:    2010-03-05

PACIFIC ANGEL SHARK
FTC:     B3521
BT:      ANGEL SHARK [B1138]
AI:      <SCINAM>Squatina californica Ayres, 1859 [ITIS 160785]
          <SCINAM>Squatina californica Ayres, 1859 [FISHBASE 729]
Date:    2010-03-05

PORBEAGLE
FTC:     B1978
Old BT:   MACKEREL SHARK FAMILY [B1915] moved to
New BT:   MACKEREL SHARK [B3522]
AI:      <SCINAM>Lamna nasus (Bonnaterre, 1788) [ITIS 159911]
          <SCINAM>Lamna nasus (Bonnaterre, 1788) [FISHBASE 88]
Date:    2010-03-05

REQUIEM SHARK FAMILY
FTC:     B1916
Old BT:   FISH, LAMNIFORMES [B2553] moved to
New BT:   FISH, CARCHARHINIFORMES [B3515]
AI:      <SCIFAM>Carcharhinidae Jordan and Evermann, 1896 [ITIS 160178]
Date:    2010-03-05

SALMON SHARK
FTC:     B3524
BT:      MACKEREL SHARK [B3522]
AI:      <SCINAM>Lamna ditropis Hubbs and Follett, 1947 [ITIS 159910]
          <SCINAM>Lamna ditropis Hubbs and Follett, 1947 [FISHBASE 755]
Date:    2010-03-05

SANDBAR SHARK
FTC:     B3527
BT:      GREY SHARKS [B3526]
AI:      <SCINAM>Carcharhinus plumbeus (Nardo, 1827) [ITIS 160289]
          <SCINAM>Carcharhinus plumbeus (Nardo, 1827) [FISHBASE 880]
Date:    2010-03-05

SCALLOPED HAMMERHEAD
FTC:     B2592
Old BT:   HAMMERHEAD SHARK FAMILY [B2591] moved to
New BT:   HAMMERHEAD SHARK [B2598]
AI:      <SCINAM>Sphyrna lewini (Griffith and Smith, 1834) [ITIS 160508]
          <SCINAM>Sphyrna lewini (Griffith and Smith, 1834) [FISHBASE 912]
Date:    2010-03-05

SCHOOL SHARK
FTC:     B2282
Old BT:   REQUIEM SHARK FAMILY [B1916] moved to
New BT:   TOPE SHARK [B2525]
SN: This term is only kept for backward compatibility. DO NOT USE for new indexing.
AI: School shark is a synonym of TOPE SHARK [B2525], which should be used instead.
Date: 2010-03-05

SCHOOL SHARK
FTC: B2282
Deactivated: 2010-03-05

SHORTFIN MAKO SHARK
FTC: B2471
Old BT: MACKEREL SHARK FAMILY [B1915] moved to
New BT: MAKO SHARK [B2470]
AI: <SCINAM>Isurus oxyrinchus Rafinesque, 1810 [ITIS 159924]
     <SCINAM>Isurus oxyrinchus Rafinesque, 1810 [FISHBASE 752]
Date: 2010-03-05

SMALLEYE HAMMERHEAD
FTC: B2596
Old BT: HAMMERHEAD SHARK FAMILY [B2591] moved to
New BT: HAMMERHEAD SHARK [B2598]
AI: <SCINAM>Sphyrna tudes (Valenciennes, 1822) [ITIS 160519]
     <SCINAM>Sphyrna tudes (Valenciennes, 1822) [FISHBASE 55029]
Date: 2010-03-05

SMALL-SPOTTED CATSHARK
FTC: B3518
BT: CAT SHARK FAMILY [B3516]
AI: <SCINAM>Scyliorhinus canicula (Linnaeus, 1758) [ITIS 160065]
     <SCINAM>Scyliorhinus canicula (Linnaeus, 1758) [FISHBASE 845]
Date: 2010-03-05

SMALLTAIL SHARK
FTC: B3529
BT: GREY SHARKS [B3526]
AI: <SCINAM>Carcharhinus porosus (Ranzani, 1839) [ITIS 160340]
     <SCINAM>Carcharhinus porosus (Ranzani, 1839) [FISHBASE 881]
Date: 2010-03-05

SMOOTH HAMMERHEAD
FTC: B2595
Old BT: HAMMERHEAD SHARK FAMILY [B2591] moved to
New BT: HAMMERHEAD SHARK [B2598]
AI: <SCINAM>Sphyrna zygaena (Linnaeus, 1758) [ITIS 160505]
     <SCINAM>Sphyrna zygaena (Linnaeus, 1758) [FISHBASE 917]
Date: 2010-03-05

SMOOTH-HOUND
FTC: B3511
BT: HOUND SHARK FAMILY [B3510]
AI: <SCINAM>Mustelus mustelus (Linnaeus, 1758) [ITIS 160242]
     <SCINAM>Mustelus mustelus (Linnaeus, 1758) [FISHBASE 4996]
Date: 2010-03-05

SPOTTED ESTUARY SMOOTH-HOUND
FTC: B3513
BT: HOUND SHARK FAMILY [B3510]
AI: <SCINAM>Mustelus lenticulatus Phillipps, 1932 [ITIS 160258]
     <SCINAM>Mustelus lenticulatus Phillipps, 1932 [FISHBASE 5933]
DATE: 2010-03-05

**TOPE SHARK**
FTC: B2525
Old BT: REQUIEM SHARK FAMILY [B1916] moved to
New BT: HOUND SHARK FAMILY [B3510]
AI: <SCINAM>Galeorhinus galeus (Linnaeus, 1758) [ITIS 160181]
     <SCINAM>Galeorhinus galeus (Linnaeus, 1758) [FISHBASE 4642]
Date: 2010-03-05

**ANDAMAN LOBSTER**
FTC: B3584
BT: CLAWED LOBSTER FAMILY [B1986]
AI: <SCINAM>Metanephrops andamanicus (Wood-Mason, 1891) [ITIS 552930]
     <SCINAM>Metanephrops andamanicus (Wood-Mason, 1891) [FAO AFSIS NEA]
     <SCINAM>Metanephrops andamanicus (Wood-Mason, 1891) [CEC 1305]
Date: 2010-03-06

**AUSTRALIAN ABALONE**
FTC: B3543
BT: ABALONE [B1408]
Date: 2010-03-06

**BAUGHMAN ARK**
FTC: B3551
BT: BIVALVE [B2113]
AI: <SCINAM>Anadara baughmani Hertlein, 1951 [ITIS 79351]
Date: 2010-03-06

**BAUGHMAN ARK**
FTC: B3551
Old BT: BIVALVE [B2113] moved to
New BT: ARKSHELLS [B2432]
Date: 2010-03-06

**BIGTOOTH ROCK CRAB**
FTC: B3562
BT: ROCK CRAB FAMILY [B2351]
AI: <SCINAM>Cancer amphioetus M. J. Rathbun, 1898 [ITIS 98684]
     <SCINAM>Cancer amphioetus Rathbun 1898 [FAO AFSIS KKM]
Date: 2010-03-06

**BLACK ABALONE**
FTC: B3537
BT: ABALONE [B1408]
AI: <SCINAM>Haliotis cracherodii Leach, 1814 [ITIS 69498]
     <SCINAM>Haliotis cracherodii Leach 1814 [FAO AFSIS HAZ]
Date: 2010-03-06

**BLACKLIP ABALONE**
FTC: B3534
BT: ABALONE [B1408]
AI: <SCINAM>Haliotis rubra Leach 1814 [FAO AFSIS ABR]
     <SCINAM>Haliotis rubra Leach 1814 [CEC 1311]
Date: 2010-03-06
BLUE CRAB
FTC: B1648
Old BT: SWIMMING CRAB FAMILY [B2212] moved to
New BT: CALLINLECTES [B3570]
AI: <SCINAM>Callinectes sapidus M. J. Rathbun, 1896 [ITIS 98696]
<SCINAM>Callinectes sapidus Rathbun 1896 [FAO AFSIS CRB]
<SCINAM>Callinectes sapidus Rathbun, 1896 [CEC 1281]
Date: 2010-03-06

BLUE SWIMMING CRAB
FTC: B2213
Old BT: SWIMMING CRAB FAMILY [B2212] moved to
New BT: SWIMMING CRAB [B2106]
AI: <SCINAM>Portunus pelagicus (Linnaeus, 1758) [ITIS 199965]
Date: 2010-03-06

CALLINECTES
FTC: B3570
BT: SWIMMING CRAB FAMILY [B2212]
Date: 2010-03-06

CAPE LOBSTER
FTC: B3583
BT: CLAWED LOBSTER FAMILY [B1986]
AI: <SCINAM>Homarus capensis (Herbst, 1792) [ITIS 552929]
<SCINAM>Homarus capensis (Herbst 1792) [FAO AFSIS HCW]
Date: 2010-03-06

CUBAN STONE CRAB
FTC: B3556
BT: CRAB [B1335]
AI: <SCINAM>Menippe nodifrons Stimpson, 1859 [ITIS 98813]
<SCINAM>Menippe nodifrons Stimpson 1859 [FAO AFSIS MIQ]
Date: 2010-03-06

CUBAN STONE CRAB
FTC: B3556
Old BT: CRAB [B1335] moved to
New BT: MUD CRAB FAMILY [B2215]
Date: 2010-03-06

DANA SWIMMING CRAB
FTC: B3571
BT: CALLINECTES [B3570]
AI: <SCINAM>Callinectes danae S. I. Smith, 1869 [ITIS 98698]
<SCINAM>Callinectes danae Smith 1869 [FAO AFSIS CRZ]
<SCINAM>Callinectes danae (Smith, 1869) [CEC 1280]
Date: 2010-03-06

DONKEYS E A BALONE
FTC: B3541
BT: ABALONE [B1408]
AI: <SCINAM>Haliotis asinina Linnaeus, 1758 [ITIS 69507]
<SCINAM>Haliotis asinina Linnaeus 1758 [FAO AFSIS LIY]
Date: 2010-03-06

DUCK BARNACLE
FTC: B3553
Old BT: CIRRIPED [B2128] moved to
New BT: BARNACLE [B2127]
AI: <SCINAM>Lepas anatifera Linnaeus, 1758 [ITIS 89561]
Date: 2010-03-06

**DUCK BARNACLE**
FTC: B3553
BT: CIRRIPED [B2128]
Date: 2010-03-06

**FLAT ABALONE**
FTC: B3544
BT: ABALONE [B1408]
AI: <SCINAM>Haliotis walallensis Stearns, 1899 [ITIS 69501]
Date: 2010-03-06

**FLORIDA CRAYFISH**
FTC: B3573
BT: CRAWFISH OR CRAYFISH [B2686]
AI: <SCINAM>Procambalrus alleni (Faxon, 1884) [ITIS 97498]
<SCINAM>Procambalrus alleni (Faxon 1884) [FAO AFSIS RQA]
Date: 2010-03-06

**GIANT ABALONE**
FTC: B3532
BT: ABALONE [B1408]
AI: <SCINAM>Haliotis gigantea Gmelin 1791 [CEC 1309]
<SCINAM>Haliotis gigantea Gmelin 1791 [FAO AFSIS ABG]
Date: 2010-03-06

**GOOSE BARNACLE**
FTC: B3552
BT: BARNACLE [B2127]
AI: <SCINAM>Lepas anatifera Linnaeus, 1758 [ITIS 89566]
<SCINAM>Lepas anatifera Linnaeus 1767 [FAO AFSIS ESF]
Date: 2010-03-06

**GREEN ABALONE**
FTC: B3536
BT: ABALONE [B1408]
AI: <SCINAM>Haliotis fulgens Philippi, 1845 [ITIS 69500]
<SCINAM>Haliotis fulgens Philippi 1845 [FAO AFSIS HRW]
Date: 2010-03-06

**GULF STONE CRAB**
FTC: B3557
BT: CRAB [B1335]
AI: <SCINAM>Menippe adina A. B. Williams and Felder, 1986 [ITIS 98812]
Date: 2010-03-06

**GULF STONE CRAB**
FTC: B3557
Old BT: CRAB [B1335] moved to
New BT: MUD CRAB FAMILY [B2215]
Date: 2010-03-06
ICE KRILL
FTC: B3578
BT: KRILL [B2844]
AI: <SCINAME>Euphausia crystallorophias Holt & Tattersall 1906 [FAO AFSIS KRC]
Date: 2010-03-06

ISADA KRILL
FTC: B3582
Old BT: SPINY KRILL [B3581] moved to
New BT: KRILL [B2844]
AI: <SCINAME>Euphausia pacifica Hansen 1911 [FAO AFSIS UFP]
Date: 2010-03-06

ISADA KRILL
FTC: B3582
BT: SPINY KRILL [B3581]
Date: 2010-03-06

JONAH CRAB
FTC: B3560
BT: ROCK CRAB FAMILY [B2351]
AI: <SCINAME>Cancer borealis Stimpson, 1859 [ITIS 98678]
<SCINAME>Cancer borealis Stimpson 1859 [FAO AFSIS CRJ]
<SCINAME>Cancer borealis Stimpson, 1859 [CEC 1273]
Date: 2010-03-06

MAROON STONE CRAB
FTC: B3558
BT: CRAB [B1335]
AI: <SCINAME>Menippe rumphii (Fabricius 1798) [FAO AFSIS MHZ]
Date: 2010-03-06

MAROON STONE CRAB
FTC: B3558
Old BT: CRAB [B1335] moved to
New BT: MUD CRAB FAMILY [B2215]
Date: 2010-03-06

MOGAI CLAM
FTC: B3550
BT: ARKSHHELLS [B2432]
AI: <SCINAME>Anadara subcrenata [FDA Seafood List 2008]
Date: 2010-03-06

MOSSY ARK
FTC: B3549
BT: ARKSHHELLS [B2432]
AI: <SCINAME>Arca imbricata Bruguiere, 1789 [ITIS 79370]
<SCINAME>Arca imbricata Bruguiere 1789 [FAO AFSIS RKM]
Date: 2010-03-06

MOTTLED SHORE CRAB
FTC: B3566
BT: SHORE, MARSH AND TALON CRAB FAMILY [B2220]
AI: <SCINAME>Pachygrapsus transversus (Gibbes, 1850) [ITIS 99047]
<SCINAME>Pachygrapsus transversus (Gibbes 1850) [FAO AFSIS YGT]
Date: 2010-03-06
NOAHS ARK
FTC: B3548
BT: ARKSHELLS [B2432]
AI: <SCINAM>Arca noae Linnaeus 1758 [FAO AFSIS RKQ]
Date: 2010-03-06

NORTHERN KRILL
FTC: B3580
BT: KRILL [B2844]
AI: <SCINAM>Euphausia vallentini Stebbing 1900 [FAO AFSISKRV]
<SCINAM>Euphausia vallentini Stebbing, 1900 [ITIS 95515]
Date: 2010-03-06

NORTHERN LEMON ROCK CRAB
FTC: B3565
BT: ROCK CRAB FAMILY [B2351]
AI: <SCINAM>Cancer johngarthi Carvacho 1989 [FAO AFSIS KKJ]
Date: 2010-03-06

NORWEGIAN KRILL
FTC: B3577
BT: KRILL [B2844]
AI: <SCINAM>Meganyctiphanes norvegica (M. Sars, 1857) [ITIS 95534]
<SCINAM>Meganyctiphanes norvegica (M. Sars 1857) [FAO AFSIS NKR]
<SCINAM>Meganyctiphanes norvegica (Sars, 1857) [CEC 1192]
Date: 2010-03-06

ORIENTAL BLUE CRAB
FTC: B2214
Old BT: SWIMMING CRAB FAMILY [B2212] moved to
New BT: SWIMMING CRAB [B2106]
AI: <SCINAM>Portunus trituberculatus (Miers 1876) [FAO AFSIS GAZ]
Date: 2010-03-06

PACIFIC ROCK CRAB
FTC: B3561
BT: ROCK CRAB FAMILY [B2351]
AI: <SCINAM>Cancer antennarius Stimpson, 1856 [ITIS 98673]
<SCINAM>Cancer productus Randall 1839 [FAO AFSIS ROC]
<SCINAM>Cancer productus Randall, 1839 [CEC 1277]
Date: 2010-03-06

PERLEMOEN ABALONE
FTC: B3533
BT: ABALONE [B1408]
AI: <SCINAM>Haliotis midae (Linnaeus 1758) [CEC 1310]
<SCINAM>Haliotis midae (Linnaeus 1758) [FAO AFSIS ABP]
Date: 2010-03-06

PINK ABALONE
FTC: B3539
BT: ABALONE [B1408]
AI: <SCINAM>Haliotis corrugata W. Wood, 1828 [ITIS 69499]
<SCINAM>Haliotis corrugata Gray 1828 [FAO AFSIS HJV]
Date: 2010-03-06
PINTO ABALONE
FTC: B3545
BT: ABALONE [B1408]
AI: <SCINAM>Haliotis kamtschakana Jonas, 1845 [ITIS 69494]
Date: 2010-03-06

PYGMY KRILL
FTC: B3579
BT: KRILL [B2844]
AI: <SCINAM>Euphausia frigida Hansen 1911 [FAO AFSIS KRF]
Date: 2010-03-06

RED ABALONE
FTC: B3538
BT: ABALONE [B1408]
AI: <SCINAM>Haliotis rufescens Swainson, 1822 [ITIS 69497]
<SCINAM>Haliotis rufescens Swainson 1822 [FAO AFSIS ABF]
Date: 2010-03-06

RED ROCK CRAB
FTC: B3563
BT: ROCK CRAB FAMILY [B2351]
AI: <SCINAM>Cancer productus J. W. Randall, 1840 [ITIS 98672]
<SCINAM>Cancer antennarius Stimpson 1856 [FAO AFSIS KKN]
Date: 2010-03-06

RED-BROWN ARK
FTC: B3546
BT: ARKSHELLS [B2432]
AI: <SCINAM>Barbatia cancellaria (Lamarck, 1819) [ITIS 79380]
Date: 2010-03-06

REDFINGER RUBBLE CRAB
FTC: B3554
BT: MUD CRAB FAMILY [B2215]
AI: <SCINAM>Eriphia gonagra (J. C. Fabricius, 1781) [ITIS 98888]
Date: 2010-03-06

RIBBON CRAYFISH
FTC: B3574
BT: CRAWFISH OR CRAYFISH [B2686]
AI: <SCINAM>Procambarus bivitattus Hobbs 1942 [FAO AFSIS RKT]
Date: 2010-03-06

RIVER CRAYFISH
FTC: B3576
BT: CRAWFISH OR CRAYFISH [B2686]
AI: <SCINAM>Austropotamobius pallipes (Lerebouillet 1858) [FAO AFSIS AUP]
<SCINAM>Austropotamobius pallipes (Lerebouillet, 1858) [CEC 1266]
Date: 2010-03-06

SHAGGY SPONGE CRAB
FTC: B3567
BT: SPONGE CRAB FAMILY [B2226]
AI: <SCINAM>Cryptodromiopsis plumosa (Lewinsohn, 1984) [ITIS 660438]
Date: 2010-03-06
SMALL EUROPEAN LOCUST LOBSTER
FTC: B3585
BT: SLIPPER LOBSTER FAMILY [B1997]
AI: <SCINAM>Scyllarus arctus (Linnaeus, 1758) [ITIS 97666]
<SCINAM>Scyllarus arctus (Linnaeus 1758) [FAO AFSIS SCY]
<SCINAM>Scyllarus arctus (Linnaeus, 1758) [CEC 1291]
Date: 2010-03-06

SOUTHERN KING CRAB
FTC: B3569
BT: STONE AND KING CRAB FAMILY [B2209]
AI: <SCINAM>Lithodes antarcticus Jacquinot 1853 [FAO AFSIS KCR]
<SCINAM>Lithodes santolla Molina, 1782 [CEC 1295]
Date: 2010-03-06

SPINY KRILL
FTC: B3581
BT: KRILL [B2844]
AI: <SCINAM>Euphausia triacantha Holt & Tattersall 1906 [FAO AFSIS KRT]
Date: 2010-03-06

STONE CRAYFISH
FTC: B3575
BT: CRAWFISH OR CRAYFISH [B2686]
AI: <SCINAM>Austropotamobius torrentium (Schrank 1803) [FAO AFSIS UTT]
<SCINAM>Austropotamobius torrentium Schrank, 1803 [CEC 1267]
Date: 2010-03-06

STONE KING CRAB
FTC: B3568
BT: STONE AND KING CRAB FAMILY [B2209]
AI: <SCINAM>Lithodes maja (Linnaeus, 1758) [ITIS 97943]
<SCINAM>Lithodes maia (Linnaeus, 1758) [FAO AFSIS KCT]
Date: 2010-03-06

STRIDULATING STONE CRAB
FTC: B3559
BT: MUD CRAB FAMILY [B2215]
AI: <SCINAM>Menippe frontalis A. Milne Edwards 1879 [FAO AFSIS ENF]
Date: 2010-03-06

THREADED ABALONE
FTC: B3542
BT: ABALONE [B1408]
AI: <SCINAM>Haliotis assimilis Dall, 1878 [ITIS 69509]
<SCINAM>Haliotis assimilis Dall 1878 [FAO AFSIS HTW]
Date: 2010-03-06

TOOTHED ROCK CRAB
FTC: B3564
BT: ROCK CRAB FAMILY [B2351]
AI: <SCINAM>Cancer bellianus Johnston 1861 [FAO AFSIS KCB]
Date: 2010-03-06

TUBERCULATE ABALONE
FTC: B3535
BT: ABALONE [B1408]
AI: <SCINAM>Haliotis tuberculata Linnaeus, 1758 [CEC 1313]
Date: 2010-03-06

TURKEY WING
FTC: B3547
BT: ARK SHELLS [B2432]
AI: <SCINAM>Arca zebra (Swainson, 1833) [ITIS 79368]
Date: 2010-03-06

VELVET FAN LOBSTER
FTC: B3586
BT: FAN LOBSTER [B2207]
Date: 2010-03-06

WARTY CRAB
FTC: B3555
Old BT: CRAB [B1335] moved to
New BT: MUD CRAB FAMILY [B2215]
AI: <SCINAM>Eriphia verrucosa (Forskal, 1775) [ITIS 199975]
Date: 2010-03-06

WARTY CRAB
FTC: B3555
BT: CRAB [B1335]
Date: 2010-03-06

WHITE ABALONE
FTC: B3540
BT: ABALONE [B1408]
AI: <SCINAM>Haliotis sorenseni Bartsch, 1940 [ITIS 69502]
Date: 2010-03-06

WHITE RIVER CRAYFISH
FTC: B3572
BT: CRAWFISH OR CRAYFISH [B2686]
AI: <SCINAM>Procambarus acutus (Girard, 1852 [ITIS 97492]
Date: 2010-03-06

AESOP SHRIMP
FTC: B3618
BT: PANDALID SHRIMP FAMILY [B1119]
AI: <SCINAM>Pandalus montagui Leach, 1814 [ITIS 96971]
Date: 2010-03-07

ANDAMAN LOBSTER
FTC: B3584
Old BT: CLAWED LOBSTER FAMILY [B1986] moved to
New BT: DEEP SEA LOBSTER [B2232]
AI: <SCINAM>Metanephrops andamanicus (Wood-Mason, 1891) [ITIS 552930]
Date: 2010-03-07

<SCINAM>Haliotis tuberculata Linnaeus, 1758 [FAO AFSIS HLT]
**ARAFURA LOBSTER**

FTC: B3587  
BT: DEEP SEA LOBSTER [B2232]  
AI: <SCINAM>Metanephrops arafurensis (De Man, 1905) [ITIS 552931]
    <SCINAM>Metanephrops arafurensis (De Man 1905) [FAO AFSIS MFU]  
Date: 2010-03-07  

**ARGENTINE RED SHRIMP**

FTC: B2614  
Old BT: PENAEID SHRIMP FAMILY [B1081] moved to  
New BT: SOLENOCERID SHRIMP FAMILY [B3620]  
AI: <SCINAM>Pleoticus muelleri (Bate, 1888) [ITIS 95971]
    <SCINAM>Pleoticus muelleri (Bate 1888) [FAO AFSIS LAA]
    <SCINAM>Pleoticus muelleri (Bate, 1888) [CEC 1243]  
Date: 2010-03-07  

**ARGENTINE RED SHRIMP**

FTC: B2614  
Old BT: PENAEID SHRIMP FAMILY [B1081] moved to  
New BT: PANDALID SHRIMP FAMILY [B1119]  
Date: 2010-03-07  

**ARGENTINE STILETTO SHRIMP**

FTC: B3621  
BT: PENAEID SHRIMP FAMILY [B1081]  
AI: <SCINAM>Artemesia longinaris Bate, 1888 [ITIS 95781]
    <SCINAM>Artemesia longinaris Bate 1888 [FAO AFSIS ASH]
    <SCINAM>Artemesia longinaris Bate, 1888 [CEC 1193]  
Date: 2010-03-07  

**ARMoured LOBSTER**

FTC: B3588  
BT: DEEP SEA LOBSTER [B2232]  
AI: <SCINAM>Metanephrops armatus Chan and Yu, 1991 [ITIS 552932]
    <SCINAM>Metanephrops armatus Chan & Yu 1991 [FAO AFSIS MFT]  
Date: 2010-03-07  

**ARTEMIIIDAE SHRIMP FAMILY**

FTC: B2465  
Old BT: DECAPOD [B1998] moved to  
New BT: BRANCHIOPOD [B3616]  
SN: Renamed from Anostraca shrimp family (order Anostraca Sars, 1867).  
AI: <SCIFAM>Artemiidae Grochowski, 1896 [ITIS 83689]  
Date: 2010-03-07  

**ARTEMIIIDAE SHRIMP FAMILY**

FTC: B2465  
Old BT: SHRIMP [B1237] moved to  
New BT: DECAPOD [B1998]  
Date: 2010-03-07
**ATLANTIC JACKKNIFE**
FTC: B3634  
BT: CLAM [B1331]  
AI: <SCINAM>Ensis directus Conrad, 1843 [ITIS 81022]  
     <SCINAM>Ensis directus (Conrad 1843) [FAO AFSIS CLR]  
     <SCINAM>Ensis directus Conrad, 1843 [CEC 1390]  
Date: 2010-03-07

**ATLANTIC MUD SHRIMP**
FTC: B3633  
BT: SOLENOCERID SHRIMP FAMILY [B3620]  
AI: <SCINAM>Solenocera membranacea (Risso, 1816) [ITIS 96005]  
     <SCINAM>Solenocera membranacea Risso 1816 [FAO AFSIS SKM]  
     <SCINAM>Solenocera membranacea (Risso, 1816) [CEC 1245]  
Date: 2010-03-07

**AUSTRALIAN SPINY LOBSTER**
FTC: B3614  
BT: PANULIRID SPINY LOBSTER [B3610]  
AI: <SCINAM>Panulirus cygnus George, 1962 [ITIS 552970]  
     <SCINAM>Panulirus cygnus George 1962 [FAO AFSIS LOA]  
     <SCINAM>Panulirus cygnus George, 1962 [CEC 1257]  
Date: 2010-03-07

**BANANA PRAWN**
FTC: B3629  
BT: PENAEID SHRIMP FAMILY [B1081]  
AI: <SCINAM>Fenneropenaeus merguiensis (De Man, 1888) [ITIS 551580]  
     <SCINAM>Penaeus merguiensis De Man 1888 [FAO AFSIS PBA]  
     <SCINAM>Penaeus merguiensis de Man 1888 [CEC 1209]  
Date: 2010-03-07

**BIGHT LOBSTER**
FTC: B3591  
BT: DEEP SEA LOBSTER [B2232]  
AI: <SCINAM>Metanephrops boschmai (Holthuis, 1964) [ITIS 552934]  
     <SCINAM>Metanephrops boschmai (Holthuis 1964) [FAO AFSIS MFO]  
Date: 2010-03-07

**BRANCHIOPOD**
FTC: B3616  
BT: CRUSTACEAN [B1374]  
AI: <SCIORD>Branchiopoda Latreille, 1817 [ITIS 83687]  
Date: 2010-03-07

**BROWN ROCK SHRIMP**
FTC: B1098  
Old BT: PENAEID SHRIMP FAMILY [B1081] moved to  
New BT: SICYONIID SHRIMP FAMILY [B1086]  
AI: <SCINAM>Sicyonia brevirostris Stimpson, 1871 [ITIS 96028]  
     <SCINAM>Sicyonia brevirostris Stimpson 1874 [FAO AFSIS RSH]  
     <SCINAM>Sicyonia brevirostris Stimpson, 1871 [CEC 1239]  
Date: 2010-03-07

**BROWN TIGER PRAWN**
FTC: B3628  
BT: PENAEID SHRIMP FAMILY [B1081]
CAPE SPINY LOBSTER
FTC: B2166
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: JASID SPINY LOBSTER [B3607]
AI: <SCINAM>Penaeus esculentus Haswell, 1879 [ITIS 95625]
     <SCINAM>Penaeus esculentus Haswell 1879 [FAO AFSIS PRB]
     <SCINAM>Penaeus esculentus Haswell, 1879 [CEC 1205]
Date: 2010-03-07

CAPE VERDE SPINY LOBSTER
FTC: B3612
BT: PALINURID SPINY LOBSTER [B1075]
AI: <SCINAM>Palinurus charlestoni Forest and Postel, 1964 [ITIS 552963]
     <SCINAM>Palinurus charlestoni Forest & Postel 1964 [FAO AFSIS NRH]
     <SCINAM>Palinurus charlestoni (H. Milne-Edwards, 1837) [CEC 1248]
Date: 2010-03-07

CARIBBEAN LOBSTER
FTC: B3590
BT: DEEP SEA LOBSTER [B2232]
AI: <SCINAM>Metanephrops binghami (Boone, 1927) [ITIS 97323]
     <SCINAM>Metanephrops binghami (Boone 1927) [FAO AFSIS MFI]
Date: 2010-03-07

CARIBBEAN SPINY LOBSTER
FTC: B2164
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: RED ROCK LOBSTER [B3603]
AI: <SCINAM>Penaeus argus (Latreille, 1804) [ITIS 97648]
     <SCINAM>Penaeus argus [http://en.wikipedia.org/wiki/Panulirus_argus]
     <SCINAM>Penaeus argus (Latreille, 1804) [FAO AFSIS SLC]
     <SCINAM>Penaeus argus (Latreille, 1804) [CEC 1256]
Date: 2010-03-07

CARIBBEAN SPINY LOBSTER
FTC: B2164
Old BT: PALINURID SPINY LOBSTER [B1075] moved to
New BT: PANULIRID SPINY LOBSTER [B3610]
Date: 2010-03-07

CARIBBEAN SPINY LOBSTER
FTC: B2164
Old BT: RED ROCK LOBSTER [B3603] moved to
New BT: PALINURID SPINY LOBSTER [B1075]
Date: 2010-03-07

CHINA LOBSTER
FTC: B3600
BT: DEEP SEA LOBSTER [B2232]
AI: <SCINAM>Metanephrops sinensis (Bruce, 1966) [ITIS 552943]
     <SCINAM>Metanephrops sinensis (Bruce 1966) [FAO AFSIS MFD]
Date: 2010-03-07
COMMON SPINY LOBSTER
FTC: B2203
Old BT: RED ROCK LOBSTER [B3603] moved to
New BT: PALINURID SPINY LOBSTER [B1075]
AI: <SCINAM>Palinurus elephas (Fabricius, 1787) [ITIS 97657]
     <SCINAM>Palinurus elephas (Fabricius 1787) [FAO AFSIS SLO]
     <SCINAM>Palinurus elephas (Fabricius, 1787) [CEC 1253]
Date: 2010-03-07

COMMON SPINY LOBSTER
FTC: B2203
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: RED ROCK LOBSTER [B3603]
Date: 2010-03-07

CRYSTAL SHRIMP
FTC: B3626
BT: PENAEID SHRIMP FAMILY [B1081]
AI: <SCINAM>Farfantepenaeus brevirostris (Kingsley, 1878) [ITIS 551572]
     <SCINAM>Penaeus brevirostris Kingsley 1878 [FAO AFSIS CSP]
     <SCINAM>Penaeus brevirostris Kingsley, 1878 [CEC 1201]
Date: 2010-03-07

FLESHY PRAWN
FTC: B3627
BT: PENAEID SHRIMP FAMILY [B1081]
AI: <SCINAM>Fenneropenaeus chinensis (Osbeck, 1765) [ITIS 551578]
     <SCINAM>Penaeus chinensis (Osbeck 1765) [FAO AFSIS FLP]
     <SCINAM>Penaeus chinensis (Osbeck, 1765) [CEC 1203]
Date: 2010-03-07

FORMOSA LOBSTER
FTC: B3593
BT: DEEP SEA LOBSTER [B2232]
     <SCINAM>Metanephrops formosanus Chan & Yu 1987 [FAO AFSIS MFM]
Date: 2010-03-07

GILCHRIST SPINY LOBSTER
FTC: B2167
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: RED ROCK LOBSTER [B3603]
AI: <SCINAM>Palinurus gilchristi Stebbing, 1900 [ITIS 552965]
     <SCINAM>Palinurus gilchristi Stebbing 1900 [FAO AFSIS SLS]
     <SCINAM>Palinurus gilchristi Stebbing, 1900 [CEC 1254]
Date: 2010-03-07

GILCHRIST SPINY LOBSTER
FTC: B2167
Old BT: RED ROCK LOBSTER [B3603] moved to
New BT: PALINURID SPINY LOBSTER [B1075]
Date: 2010-03-07

GRASS SHRIMP
FTC: B2480
Old BT: PENAEID SHRIMP FAMILY [B1081] moved to
New BT: PALAEMONID SHRIMP FAMILY [B1163]
AI: <SCINAM>Palaemonetes vulgaris (Say, 1818) [ITIS]
     <SCINAM>Palaemonetes vulgaris (Say 1818) [FAO AFSIS PVV]
GREEN ROCK LOBSTER
FTC: B3606
BT: SPINY LOBSTER FAMILY [B2163]
AI: <SCINAM>Jasus verreauxi (H. Milne-Edwards, 1851) [ITIS 552957]
     <SCINAM>Jasus verreauxi (H. Milne Edwards 1851) [FAO AFSIS]
     <SCINAM>Jasus verreauxi (Milne Edwards, 1851) [CEC]
Date: 2010-03-07

GREEN ROCK LOBSTER
FTC: B3606
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: JASID SPINY LOBSTER [B3607]
Date: 2010-03-07

GUINEA SHRIMP
FTC: B3623
BT: PENAEID SHRIMP FAMILY [B1081]
AI: <SCINAM>Parapenaeopsis atlantica Balss, 1914 [ITIS 95859]
     <SCINAM>Parapenaeopsis atlantica Balss 1914 [FAO AFSIS GUS]
     <SCINAM>Parapenaeopsis atlantica Balss, 1914 [CEC 1197]
Date: 2010-03-07

JAPANESE LOBSTER
FTC: B3594
BT: DEEP SEA LOBSTER [B2232]
AI: <SCINAM>Metanephrops japonicus (Tapparone-Canefri, 1873) [ITIS 552937]
     <SCINAM>Metanephrops japonicus (Tapparone-Canefri 1873) [FAO AFSIS MFJ]
Date: 2010-03-07

JAPANESE SPINY LOBSTER
FTC: B2168
Old BT: PALINURID SPINY LOBSTER [B1075] moved to
New BT: PANULIRID SPINY LOBSTER [B3610]
AI: <SCINAM>Panulirus japonicus (Von Siebold, 1824) [ITIS 552975]
     <SCINAM>Panulirus japonicus (Von Siebold 1824) [FAO AFSIS NUJ]
     <SCINAM>Panulirus japonicus (Von Siebold, 1824) [CEC 1259]
Date: 2010-03-07

JAPANESE SPINY LOBSTER
FTC: B2168
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: PALINURID SPINY LOBSTER [B1075]
Date: 2010-03-07

JASID SPINY LOBSTER
FTC: B3607
BT: SPINY LOBSTER FAMILY [B2163]
Date: 2010-03-07

JUAN FERNANDEZ ROCK LOBSTER
FTC: B3604
BT: SPINY LOBSTER FAMILY [B2163]
AI: <SCINAM>Jasus frontalis (Milne Edwards, 1837) [ITIS 552952]
     <SCINAM>Jasus frontalis (H. Milne Edwards 1837) [FAO AFSIS LOF]
     <SCINAM>Jasus frontalis (Milne Edwards, 1837) [CEC 1247]
Date: 2010-03-07
JUAN FERNANDEZ ROCK LOBSTER
FTC: B3604
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: JASID SPINY LOBSTER [B3607]
Date: 2010-03-07

KNIFE SHRIMP
FTC: B3619
BT: SHRIMP [B1237]
AI:
<SCINAM>Haliporoides triarthrus Stebbing, 1914 [ITIS 96024]
<SCINAM>Haliporoides triarthrus Stebbing 1914 [FAO AFSIS KNS]
<SCINAM>Hymenopenaeus triarthrus (Stebbing, 1914) [CEC 1242]
Date: 2010-03-07

KNIFE SHRIMP
FTC: B3619
Old BT: SHRIMP [B1237] moved to
New BT: SOLENOCERID SHRIMP FAMILY [B3620]
Date: 2010-03-07

LONGLEGGED SPINY LOBSTER
FTC: B2169
Old BT: PALINURID SPINY LOBSTER [B1075] moved to
New BT: PANULIRID SPINY LOBSTER [B3610]
AI:
<SCINAM>Palinurus longipes (A. Milne-Edwards, 1868) [ITIS 552976]
<SCINAM>Palinurus longipes (A. Milne Edwards 1868) [FAO AFSIS LOJ]
Date: 2010-03-07

MOZAMBIQUE LOBSTER
FTC: B3595
BT: DEEP SEA LOBSTER [B2232]
AI:
<SCINAM>Metanephrops mozambicus Macpherson, 1990 [ITIS 552938]
<SCINAM>Metanephrops mozambicus Macpherson 1990 [FAO AFSIS NEM]
Date: 2010-03-07

NATAL SPINY LOBSTER
FTC: B3611
BT: PALINURID SPINY LOBSTER [B1075]
AI:
<SCINAM>Palinurus delagoae Barnard, 1926 [ITIS 552964]
<SCINAM>Palinurus delagoae Barnard 1926 [FAO AFSIS SLN]
<SCINAM>Palinurus delagoae Barnard, 1926 [CEC 1252]
Date: 2010-03-07

NEPTUNE LOBSTER
FTC: B3596
BT: DEEP SEA LOBSTER [B2232]
AI:
<SCINAM>Metanephrops neptunus (Bruce, 1965) [ITIS 552939]
<SCINAM>Metanephrops neptunus (Bruce 1965) [FAO AFSIS MFN]
Date: 2010-03-07

NEW ZEALAND LOBSTER
FTC: B3592
BT: DEEP SEA LOBSTER [B2232]
AI:
<SCINAM>Metanephrops challengeri (Balss, 1914) [ITIS 552935]
<SCINAM>Metanephrops challengeri (Blass 1914) [FAO AFSIS MEC]
Date: 2010-03-07
NORTHWEST LOBSTER
FTC: B3589
BT: DEEP SEA LOBSTER [B2232]
AI: <SCINAM>Metanephrops australiensis (Bruce, 1966) [ITIS 552933]
     <SCINAM>Metanephrops australiensis (Bruce 1966) [FAO AFSIS MFL]
Date: 2010-03-07

ORNATE SPINY LOBSTER
FTC: B2165
Old BT: RED ROCK LOBSTER [B3603] moved to
New BT: PALINURID SPINY LOBSTER [B1075]
AI: <SCINAM>Panulirus ornatus (Fabricius, 1798) [ITIS 552977]
     <SCINAM>Panulirus ornatus (Fabricius 1798) [FAO AFSIS NUR]
Date: 2010-03-07

ORNATE SPINY LOBSTER
FTC: B2165
Old BT: PALINURID SPINY LOBSTER [B1075] moved to
New BT: PANULIRID SPINY LOBSTER [B3610]
Date: 2010-03-07

ORNATE SPINY LOBSTER
FTC: B2165
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: RED ROCK LOBSTER [B3603]
Date: 2010-03-07

PACIFIC SEABOB
FTC: B3631
BT: PENAEID SHRIMP FAMILY [B1081]
AI: <SCINAM>Xiphopenaeus kroyeri (C. Heller, 1862) [ITIS 95750]
     <SCINAM>Xiphopenaeus riveti Bouvier 1907 [FAO AFSIS TIT]
Date: 2010-03-07

PAINTED RIVER PRAWN
FTC: B3617
BT: PALAEMONID SHRIMP FAMILY [B1163]
AI: <SCINAM>Macrobrachium carcinus (Linnaeus, 1758) [ITIS 96227]
     <SCINAM>Macrobrachium carcinus (Linnaeus 1758) [FAO AFSIS MBK]
     <SCINAM>Macrobrachium carcinus (Linnaeus, 1758) [CEC 1231]
Date: 2010-03-07

PAINTED SPINY LOBSTER
FTC: B1948
Old BT: RED ROCK LOBSTER [B3603] moved to
New BT: PALINURID SPINY LOBSTER [B1075]
AI: <SCINAM>Panulirus versicolor (Latreille, 1804) [ITIS 552982]
     <SCINAM>Panulirus versicolor (Latreille 1804) [FAO AFSIS NUV]
Date: 2010-03-07

PAINTED SPINY LOBSTER
FTC: B1948
Old BT: PALINURID SPINY LOBSTER [B1075] moved to
New BT: PANULIRID SPINY LOBSTER [B3610]
Date: 2010-03-07
PAINTED SPINY LOBSTER
FTC: B1948
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: RED ROCK LOBSTER [B3603]
Date: 2010-03-07

PANULIRID SPINY LOBSTER
FTC: B3610
BT: SPINY LOBSTER FAMILY [B2163]
AI: <SCIFAM> Panulirus White, 1847 [ITIS 97647]
Date: 2010-03-07

PANULIRUS RISSORE
FTC: B2201
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: RED ROCK LOBSTER [B3603]
SN: This term is only kept for backward compatibility. DO NOT USE for new indexing.
AI: Descriptor inactivated.
Date: 2010-03-07

PANULIRUS RISSORE
FTC: B2201
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: PALINURID SPINY LOBSTER [B1075]
Date: 2010-03-07

PANULIRUS RISSORE
FTC: B2201
Deactivated: 2010-03-07

PANULIRUS RISSORE
FTC: B2201
Old BT: PALINURID SPINY LOBSTER [B1075] moved to
New BT: ROYAL SPINY LOBSTER [B2208]
Date: 2010-03-07

PANULIRUS RISSORE
FTC: B2201
Old BT: PALINURID SPINY LOBSTER [B1075] moved to
New BT: PANULIRID SPINY LOBSTER [B3610]
Date: 2010-03-07

PELAGIC RED CRAB
FTC: B3615
BT: LANGOSTINO LOBSTER [B2486]
AI: <SCINAM> Pleuroncodes planipes Stimpson, 1860 [ITIS 98056]
<SCINAM> Pleuroncodes planipes Stimpson 1860 [FAO AFSIS LQL]
Date: 2010-03-07

PINK SPINY LOBSTER
FTC: B3613
BT: PALINURID SPINY LOBSTER [B1075]
AI: <SCINAM> Palinurus mauritanicus Gruvel, 1911 [ITIS 552966]
<SCINAM> Palinurus mauritanicus Gruvel 1911 [FAO AFSIS PSL]
<SCINAM> Palinurus mauritanicus Gruvel, 1911 [CEC 1255]
Date: 2010-03-07
PRONGHORN SPINY LOBSTER
FTC: B2202
Old BT: PALINURID SPINY LOBSTER [B1075] moved to
New BT: PANULIRID SPINY LOBSTER [B3610]
AI: <SCINAM>Panulirus penicillatus (Olivier, 1791) [ITIS 199949]
      <SCINAM>Panulirus penicillatus (Olivier 1791) [FAO AFSIS NUP]
Date: 2010-03-07

PRONGHORN SPINY LOBSTER
FTC: B2202
Old BT: RED ROCK LOBSTER [B3603] moved to
New BT: PALINURID SPINY LOBSTER [B1075]
Date: 2010-03-07

PRONGHORN SPINY LOBSTER
FTC: B2202
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: RED ROCK LOBSTER [B3603]
Date: 2010-03-07

RED ROCK LOBSTER
FTC: B3603
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: JASID SPINY LOBSTER [B3607]
AI: <SCINAM>Jasus edwardsii (Hutton, 1875) [ITIS 97655]
      <SCINAM>Jasus edwardsii (Hutton 1875) [FAO AFSIS LOR]
      <SCINAM>Jasus edwardsii (Hutton, 1875) [CEC 1246]
Date: 2010-03-07

RED ROCK LOBSTER
FTC: B3603
BT: SPINY LOBSTER FAMILY [B2163]
Date: 2010-03-07

RED-BANDED LOBSTER
FTC: B3601
BT: DEEP SEA LOBSTER [B2232]
AI: <SCINAM>Metanephrops thomsoni (Bate, 1888) [ITIS 552944]
      <SCINAM>Metanephrops thomsoni (Bate 1888) [FAO AFSIS MFH]
Date: 2010-03-07

ROYAL RED SHRIMP
FTC: B3632
BT: SOLENOCERID SHRIMP FAMILY [B3620]
AI: <SCINAM>Pleoticus robustus (S. I. Smith, 1885) [ITIS 95966]
      <SCINAM>Pleoticus robustus (Smith 1885) [FAO AFSIS RRS]
      <SCINAM>Pleoticus robustus (Smith, 1885) [CEC 1244]
Date: 2010-03-07

ROYAL SPINY LOBSTER
FTC: B2208
Old BT: PALINURID SPINY LOBSTER [B1075] moved to
New BT: PANULIRID SPINY LOBSTER [B3610]
AI: <SCINAM>Panulirus regius De Brito Capello, 1864 [ITIS 552980]
      <SCINAM>Panulirus regius De Brito Capello 1864 [FAO AFSIS LOY]
      <SCINAM>Panulirus regius de Brito Capello, 1864 [CEC 1260]
Date: 2010-03-07
ROYAL SPINY LOBSTER
FTC: B2208
Old BT: RED ROCK LOBSTER [B3603] moved to
New BT: PALINURID SPINY LOBSTER [B1075]
Date: 2010-03-07

ROYAL SPINY LOBSTER
FTC: B2208
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: RED ROCK LOBSTER [B3603]
Date: 2010-03-07

SCALLOPED SPINY LOBSTER
FTC: B2204
Old BT: PALINURID SPINY LOBSTER [B1075] moved to
New BT: RED ROCK LOBSTER [B3603]
Date: 2010-03-07

SCALLOPED SPINY LOBSTER
FTC: B2204
Old BT: RED ROCK LOBSTER [B3603] moved to
New BT: PALINURID SPINY LOBSTER [B1075]
Date: 2010-03-07

SCALLOPED SPINY LOBSTER
FTC: B2204
Old BT: SPINY LOBSTER FAMILY [B2163] moved to
New BT: RED ROCK LOBSTER [B3603]
Date: 2010-03-07

SCULPTED LOBSTER
FTC: B3598
BT: DEEP SEA LOBSTER [B2232]
AI: <SCINAM>Metanephrops sagamiensis (Parisi, 1917) [ITIS 552941]
<SCINAM>Metanephrops sagamiensis (Parisi 1917) [FAO AFSIS MFQ]
Date: 2010-03-07

SHIBA SHRIMP
FTC: B3622
BT: PENAEID SHRIMP FAMILY [B1081]
AI: <SCINAM>Metapenaeus joyneri (Miers, 1880) [ITIS 95829]
<SCINAM>Metapenaeus joyneri (Miers 1880) [FAO AFSIS SHI]
<SCINAM>Metapenaeus joyneri (Miers, 1880) [CEC 1195]
Date: 2010-03-07

SIBOGA LOBSTER
FTC: B3599
BT: DEEP SEA LOBSTER [B2232]
AI: <SCINAM>Metanephrops sibogae (De Man, 1916) [ITIS 552942]
<SCINAM>Metanephrops sibogae (De Man 1916) [FAO AFSIS MFK]
Date: 2010-03-07

SOLENOCERID SHRIMP FAMILY
FTC: B3620
<table>
<thead>
<tr>
<th>Family</th>
<th>FTC</th>
<th>Old BT</th>
<th>New BT</th>
<th>Genus</th>
<th>Species</th>
<th>Authority</th>
<th>Date</th>
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<tr>
<td>ST. PAUL ROCK LOBSTER</td>
<td>B3608</td>
<td>JASID SPINY LOBSTER [B3607]</td>
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<td>&lt;SCINAM&gt;</td>
<td>Jasus</td>
<td>paulensis (Heller, 1862) [ITIS 552955]</td>
<td>2010-03-07</td>
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<td>URUGAVIAN LOBSTER</td>
<td>B3597</td>
<td>DEEP SEA LOBSTER [B2232]</td>
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<td>Metanephrops</td>
<td>rubellus (Moreira, 1903) [ITIS 552940]</td>
<td>2010-03-07</td>
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<td>WITCH PRAWN</td>
<td>B3625</td>
<td>PENAEID SHRIMP FAMILY [B1081]</td>
<td></td>
<td>&lt;SCINAM&gt;</td>
<td>Melicertus canaliculatus</td>
<td>(Olivier, 1811) [ITIS 551589]</td>
<td>2010-03-07</td>
</tr>
</tbody>
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Date: 2010-03-07

YELLOWLEG SHRIMP
FTC: B3624
BT: PENAEID SHRIMP FAMILY [B1081]
AI: <SCINAM>Farfantepenaeus californiensis (Holmes, 1900) [ITIS 551573]
    <SCINAM>Penaeus californiensis Holmes 1900 [FAO AFSIS YPS]
    <SCINAM>Penaeus californiensis Holmes, 1900 [CEC 1202]
Date: 2010-03-07

ATLANTIC GIANT COCKLE
FTC: B3650
BT: COCKLE [B1317]
AI: <SCINAM>Dinocardium robustum (Lightfoot, 1786) [ITIS 80913]
    <SCINAM>Dinocardium robustum (Lightfoot 1786) [FAO AFSIS DKR]
Date: 2010-03-08

CALICO CLAM
FTC: B2319
Old BT: CLAM [B1331] moved to
New BT: VENUS CLAM [B2890]
AI: <SCINAM>Macrocallista maculata (Linnaeus, 1758) [ITIS 81578]
    <SCINAM>Macrocallista maculata (Linnaeus 1758) [FAO AFSIS KSM]
Date: 2010-03-08

CALIFORNIA BAY SHRIMP
FTC: B3637
BT: CRANGONID SHRIMP FAMILY [B2574]
AI: <SCINAM>Crangon franciscorum Stimpson, 1856 [ITIS 97114]
    <SCINAM>Crangon franciscorum Stimpson 1856 [FAO AFSIS GQF]
Date: 2010-03-08

CALIFORNIA COCKLE
FTC: B3649
BT: COCKLE [B1317]
AI: <SCINAM>Clinocardium californiense (Deshayes, 1839) [ITIS 80876]
    <SCINAM>Clinocardium californiense [2008 FDA Seafood Complete List]
Date: 2010-03-08

CALIFORNIA VENUS
FTC: B3642
BT: VENUS CLAM [B2890]
AI: <SCINAM>Chione californiensis (Broderip, 1835) [ITIS 81537]
    <SCINAM>Chione californiensis (Broderip 1835) [FAO AFSIS KIK]
Date: 2010-03-08

COMMON COCKLE
FTC: B3647
BT: COCKLE [B1317]
AI: <SCINAM>Cerastoderma edule (Linnaeus, 1758) [ITIS 80901]
    <SCINAM>Cerastoderma edule [2008 FDA Seafood Complete List]
Date: 2010-03-08

DOCK COCKLE
FTC: B3644
BT: COCKLE [B1317]
AI: <SCINAM>Glycymeris pilosa (Linnaeus 1767) [FAO AFSIS GCJ]
    <SCINAM>Glycymeris pilosa [2008 FDA Seafood Complete List]
EUROPEAN BITTERSWEET
FTC: B3645
BT: COCKLE [B1317]
AI: <SCINAM>Glycymeris glycymeris (Linnaeus, 1758) [ITIS 79429]
   <SCINAM>Glycymeris glycymeris (Linnaeus 1758) [FAO AFSIS GKL]
   <SCINAM>Glycymeris glycymeris (Linnaeus, 1758) [CEC 1368]
Date: 2010-03-08

FRILLED VENUS
FTC: B3639
BT: VENUS CLAM [B2890]
AI: <SCINAM>Chione undatella (G. B. Sowerby I, 1835) [ITIS 81559]
   <SCINAM>Chione undatella (Sowerby 1835) [FAO AFSIS KID]
Date: 2010-03-08

GREENLAND COCKLE
FTC: B3651
BT: COCKLE [B1317]
AI: <SCINAM>Serripes groenlandicus (Mohr, 1786) [ITIS 80879]
   <SCINAM>Serripes groenlandicus (Bruguière, 1789) [WoRMS AphiaID: 139015]
Date: 2010-03-08

HARDSHELL CLAM
FTC: B3636
BT: QUAHOG [B2501]
AI: <SCINAM>Protophaca thaca (Molina, 1782) [ITIS 81472]
   <SCINAM>Protophaca thaca (Molina 1782) [FAO AFSIS TCL]
Date: 2010-03-08

KNOTTED COCKLE
FTC: B3648
BT: COCKLE [B1317]
AI: <SCINAM>Acanthocardia spinosa (Lightfoot in Solander, 1786) [WoRMS AphiaID: 181535]
   <SCINAM>Cardium tuberculatum [2008 FDA Seafood Complete List]
Date: 2010-03-08

NEW ZEALAND COCKLE
FTC: B3643
BT: VENUS CLAM [B2890]
   <SCINAM>Austrovenus stutchburyi [2008 FDA Seafood Complete List]
Date: 2010-03-08

NORTHERN QUAHOG
FTC: B1068
Old BT: CLAM [B1331] moved to
New BT: QUAHOG [B2501]
AI: <SCINAM>Mercenaria mercenaria (Linnaeus, 1758) [ITIS 81496]
   <SCINAM>Mercenaria mercenaria (Linnaeus 1758) [FAO AFSIS CLH]
   <SCINAM>Mercenaria mercenaria (Linnaeus, 1758) [CEC 1380]
Date: 2010-03-08

NUTTALL COCKLE
FTC: B3652
BT: COCKLE [B1317]
AI: <SCINAM>Clinocardium nuttallii (Conrad, 1837) [ITIS 80873]
OCEAN QUAHOG
FTC: B2193
Old BT: CLAM [B1331] moved to
New BT: QUAHOG [B2501]
AI: <SCINAM>Arctica islandica (Linnaeus, 1767) [ITIS 81343]
     <SCINAM>Arctica islandica (Linnaeus 1767) [FAO AFSIS CLQ]
Date: 2010-03-08

OCEAN QUAHOG
FTC: B1953
Old BT: CLAM [B1331] moved to
New BT: OCEAN QUAHOG [B2193]
SN: This term is only kept for backward compatibility. DO NOT USE for new indexing.
AI: Descriptor inactivated due to duplication.
Date: 2010-03-08

OCEAN QUAHOG
FTC: B1953
Deactivated: 2010-03-08

POD RAZOR
FTC: B3638
BT: CLAM [B1331]
AI: <SCINAM>Ensis ensis (Linnaeus, 1758) [ITIS 81024]
     <SCINAM>Ensis ensis (Linnaeus 1758) [FAO AFSIS EQE]
Date: 2010-03-08

SMOOTH VENUS
FTC: B3640
BT: VENUS CLAM [B2890]
AI: <SCINAM>Chionista fluctifraga (G. B. Sowerby II, 1853) [ITIS 567356]
Date: 2010-03-08

SOUTHERN QUAHOG
FTC: B3635
BT: QUAHOG [B2501]
AI: <SCINAM>Mercenaria campechiensis (Gmelin, 1791) [ITIS 81499]
     <SCINAM>Mercenaria campechiensis (Gmelin 1791) [FAO AFSIS EKK]
Date: 2010-03-08

SUNRAY VENUS
FTC: B3641
BT: VENUS CLAM [B2890]
AI: <SCINAM>Macrocallista nimbosa (Lightfoot, 1786) [ITIS 81579]
     <SCINAM>Macrocallista nimbosa (Lightfoot 1786) [FAO AFSIS KSN]
Date: 2010-03-08

VIOLET BITTERSWEET
FTC: B3646
BT: COCKLE [B1317]
AI: <SCINAM>Glycymeris violacescens (Lamarck, 1819) [WoRMS AphiaID: 140026]
     <SCINAM>Glycymeris violacenscens (Lamarck 1819) [FAO AFSIS GCC]
Date: 2010-03-08
AUSTRALIAN MUSSEL
FTC: B3656
BT: MUSSEL [B1223]
AI: <SCINAM>Mytilus planulatus Lamarck 1819 [FAO AFSIS MYA]
     <SCINAM>Mytilus planulatus [CEC 1362]
Date: 2010-03-17

BROWN GARDENSNAIL
FTC: B3662
BT: LAND SNAIL [B1455]
AI: <SCINAM>Helix aspersa Muller, 1774 [ITIS 77906]
Date: 2010-03-17

CHILEAN BLUE MUSSEL
FTC: B3653
BT: MUSSEL [B1223]
AI: <SCINAM>Mytilus chilensis (Hupé,1854) [CEC 1358]
Date: 2010-03-17

CHILEAN FLAT OYSTER
FTC: B3671
BT: OYSTER [B1224]
AI: <SCINAM>Ostrea chilensis Philippi 1845 [FAO AFSIS OCH]
     <SCINAM>Ostrea chilensis Philippi, 1845 [CEC 1335]
Date: 2010-03-17

COMB PENSHELL
FTC: B2881
Old BT: BIVALVE [B2113]  moved to
New BT: PENSHELL [B3677]
AI: <SCINAM>Atrina pectinata  [2008 FDA Seafood Complete List]
     <SCINAM>Atrina pectinata (Linnaeus 1767) [FAO AFSIS TQE]
Date: 2010-03-17

COMMON CUTTLEFISH
FTC: B3678
BT: CUTTLEFISH [B1644]
AI: <SCINAM>Sepia officinalis Linnaeus 1758 [FAO AFSIS CTC]
     <SCINAM>Sepia officinalis Linnaeus ,1758 [CEC 1401]
Date: 2010-03-17

COMMON OCTOPUS
FTC: B3680
BT: OCTOPUS [B1514]
AI: <SCINAM>Octopus vulgaris Cuvier, 1797 [ITIS 82603]
     <SCINAM>Octopus vulgaris Cuvier 1797 [FAO AFSIS OCC]
     <SCINAM>Octopus vulgaris Cuvier, 1797 [CEC 1421]
Date: 2010-03-17

COMMON PERIWINKLE
FTC: B2717
Old BT: MESOGASTROPOD [B1008]  moved to
New BT: PERIWINKLE FAMILY [B2925]
AI: <SCINAM>Littorina littorea (Linnaeus, 1758) [ITIS 70419]
Date: 2010-03-17
CURLED OCTOPUS
FTC: B3681
BT: OCTOPUS [B1514]
AI: <SCINAM>Eledone cirrosa (Lamarck, 1798) [ITIS 82646]
     <SCINAM>Eledone cirrosa (Lamarck 1798) [FAO AFSIS EOI]
     <SCINAM>Eledone cirrosa (Lamarck, 1798) [CEC 1416]
Date: 2010-03-17

DENTICULATE ROCK OYSTER
FTC: B3675
BT: OYSTER [B1224]
AI: <SCINAM>Ostrea denticulata Born 1778 [FAO AFSIS ODE]
     <SCINAM>Ostrea denticulata Born, 1778 [CEC 1336]
Date: 2010-03-17

ESCARGOT
FTC: B3663
BT: LAND SNAIL [B1455]
AI: <SCINAM>Helix pomatia Linnaeus, 1758 [ITIS 77907]
Date: 2010-03-17

EUROPEAN OYSTER
FTC: B3672
BT: OYSTER [B1224]
AI: <SCINAM>Ostrea edulis Linnaeus, 1758 [ITIS 79885]
     <SCINAM>Ostrea edulis Linnaeus 1758 [FAO AFSIS OYF]
     <SCINAM>Ostrea edulis Linnaeus, 1758 [CEC 1337]
Date: 2010-03-17

FLORIDA FIGHTING CONCH
FTC: B3665
BT: CONCH [B1259]
AI: <SCINAM>Strombus alatus Gmelin, 1791 [ITIS 72556]
Date: 2010-03-17

GREEN GARDENSNAIL
FTC: B3661
BT: LAND SNAIL [B1455]
AI: <SCINAM>Helix aperta Born, 1778 [ITIS 77905]
Date: 2010-03-17

GREEN MUSSEL
FTC: B3658
BT: MUSSEL [B1223]
AI: <SCINAM>Mytilus smaragdinus [CEC 1364]
Date: 2010-03-17

HORSE CONCH
FTC: B3666
BT: CONCH [B1259]
AI: <SCINAM>Pleuroploca gigantea (Kiener, 1840) [ITIS 74187]
Date: 2010-03-17

KERGUELEN MUSSEL
FTC: B3660
BT: MUSSEL [B1223]
KOREAN MUSSEL
FTC: B3654
BT: MUSSEL [B1223]
AI: <SCINAM>Mytilus crassistesta Lischke [CEC 1359]
Date: 2010-03-17

KUMAMOTO OYSTER
FTC: B3676
BT: OYSTER [B1224]
AI: <SCINAM>Crassostrea gigas kumamoto [2008 FDA Seafood Complete List]
<SCINAM>Crassostrea gigas kumamoto [ITIS 79869]
Date: 2010-03-17

LITTLE SQUID
FTC: B3682
BT: SQUID [B1205]
AI: <SCINAM>Loligo media (Linnaeus, 1758) [ITIS 556291]
<SCINAM>Alloteuthis media (Linnaeus 1758) [FAO AFSIS OUM]
<SCINAM>Alloteuthis media (Linnaeus, 1758) [CEC 1404]
Date: 2010-03-17

LONG-FIN SQUID
FTC: B3683
BT: SQUID [B1205]
AI: <SCINAM>Loligo pealei Lesueur, 1821 [ITIS 82372]
<SCINAM>Loligo pealei Lesueur 1821 [FAO AFSIS OUM]
<SCINAM>Loligo pealei Lesueur, 1821 [CEC 1406]
Date: 2010-03-17

MANGROVE CUPPED OYSTER
FTC: B3673
BT: OYSTER [B1224]
AI: <SCINAM>Crassostrea rhizophorae Guilding [ITIS 79881]
<SCINAM>Crassostrea rhizophorae (Guilding 1828) [FAO AFSIS OYM]
<SCINAM>Crassostrea rhizophorae (Guilding, 1828) [CEC 1332]
Date: 2010-03-17

MEDITERRANEAN MUSSEL
FTC: B3655
BT: MUSSEL [B1223]
AI: <SCINAM>Mytilus galloprovincialis Lamarck, 1819 [ITIS 79456]
<SCINAM>Mytilus galloprovincialis Lamarck 1819 [FAO AFSIS MSM]
<SCINAM>Mytilus galloprovincialis Lamarck, 1819 [CEC 1361]
Date: 2010-03-17

MILK CONCH
FTC: B3667
BT: CONCH [B1259]
AI: <SCINAM>Strombus costatus Gmelin, 1791 [ITIS 72557]
Date: 2010-03-17

NORTHERN BLUE MUSSEL
FTC: B3659
BT: MUSSEL [B1223]
AI: <SCINAM>Mytilus trossulus Gould, 1850 [ITIS 567928]
**PEN SHELL**

FTC: B3677
BT: BIVALVE [B2113]
AI: <SCINAM>Mytilus trossulus Gould 1850 [FAO AFSIS YUS]
Date: 2010-03-17

**QUEEN CONCH**

FTC: B3668
BT: CONCH [B1259]
AI: <SCINAM>Strombus gigas Linnaeus, 1758 [ITIS 72558]
<SCINAM>Strombus gigas Linnaeus 1758 [FAO AFSIS COO]
Date: 2010-03-17

**RIVER PLATA MUSSEL**

FTC: B3657
BT: MUSSEL [B1223]
AI: <SCINAM>Mytilus platensis d’Orbigny 1846 [FAO AFSIS MSR]
<SCINAM>Mytilus platensis [CEC 1363]
Date: 2010-03-17

**SPIDER CONCH**

FTC: B3669
BT: CONCH [B1259]
AI: <SCINAM>Lambis lambis (Linnaeus 1758) [FAO AFSIS BQA]
[http://en.wikipedia.org/wiki/Lambis_lambis]
Date: 2010-03-17

**SYDNEY CUPPED OYSTER**

FTC: B3674
BT: OYSTER [B1224]
AI: <SCINAM>Saccostrea cuccullata [ITIS 79893]
<SCINAM>Saccostrea commercialis (Iredale & Roughley 1933) [FAO AFSIS OYS]
<SCINAM>Saccostrea cuccullata (Born, 1778) [CEC 1341]
Date: 2010-03-17

**TURKISH SNAIL**

FTC: B3664
BT: LAND SNAIL [B1455]
AI: <SCINAM>Helix lucorum Linnaeus 1758
Date: 2010-03-17

**WEST INDIAN FIGHTING CONCH**

FTC: B3670
BT: CONCH [B1259]
AI: <SCINAM>Strombus pugilis Linnaeus, 1758 [ITIS 72560]
<SCINAM>Strombus pugilis Linnaeus 1758 [FAO AFSIS RXU]
Date: 2010-03-17

**WHITE OCTOPUS**

FTC: B3679
BT: OCTOPUS [B1514]
AI: <SCINAM>Eledone moschata (Lamarck, 1798) [ITIS 556275]
<SCINAM>Eledone moschata (Lamarck 1798) [FAO AFSIS EDT]
<SCINAM>Eledone moschata (Lamarck, 1798) [CEC 1417]
Date: 2010-03-17
ANGOLAN FLYING SQUID
FTC: B3699
BT: FLYING SQUID [B3693]
AI: <SCINAM>Todarodes angolensis Adam, 1962 [ITIS 555983]
     <SCINAM>Todarodes angolensis Adam 1962 [FAO AFSIS SQG]
Date: 2010-03-18

ANTARCTIC FLYING SQUID
FTC: B3700
BT: FLYING SQUID [B3693]
AI: <SCINAM>Todarodes filippovae Adam, 1975 [ITIS 555986]
     <SCINAM>Todarodes filippovae Adam 1975 [FAO AFSIS TFP]
Date: 2010-03-18

ARGENTINE SHORTFIN SQUID
FTC: B3694
BT: FLYING SQUID [B3693]
AI: <SCINAM>Illex argentinus (Castellanos, 1960) [ITIS 556070]
     <SCINAM>Illex argentinus (Castellanos, 1960) [FAO AFSIS SQA]
     <SCINAM>Illex argentinus (Castellanos, 1960) [CEC 1410]
Date: 2010-03-18

CAPE HOPE SQUID
FTC: B3691
BT: SQUID [B1205]
AI: <SCINAM>Loligo reynaudi d’Orbigny 1845 [FAO AFSIS CHO]
     <SCINAM>Loligo reynaudi d’Orbigny, 1845 [CEC 1407]
Date: 2010-03-18

COMMON SQUID
FTC: B3692
BT: SQUID [B1205]
AI: <SCINAM>Loligo vulgaris Lamarck 1798 [FAO AFSIS SQR]
     <SCINAM>Loligo vulgaris Lamarck, 1798 [CEC 1408]
Date: 2010-03-18

EUROPEAN FLYING SQUID
FTC: B3702
BT: FLYING SQUID [B3693]
AI: <SCINAM>Todarodes sagittatus (Lamarck, 1798) [ITIS 205726]
     <SCINAM>Todarodes sagittatus (Lamarck, 1798) [FAO AFSIS SQE]
     <SCINAM>Todarodes sagittatus sagittatus (Lamarck, 1798) [CEC 1415]
Date: 2010-03-18

FLYING SQUID
FTC: B3693
BT: CEPHALOPOD [B2116]
AI: <SCINAM>Ommastrephidae Steenstrup, 1857 [ITIS 82514]
Date: 2010-03-18

GIANT CATFISHES
FTC: B3684
BT: FISH, SILURIFORM [B1598]
AI: <SCIFAM>Pangasiidae Bleeker, 1858 [ITIS 164089]
Date: 2010-03-18
GIANT KEYHOLE LIMPET
FTC: B2358
Old BT: LIMPET [B2279] moved to
New BT: KEYHOLE LIMPET [B3705]
Date: 2010-03-18

GIANT PANGASIUS
FTC: B3690
BT: GIANT CATFISHES [B3684]
AI: <SCINAM>Pangasiidae Smith, 1931 [ITIS 201966]
     <SCINAM>Pangasius sanitwongsei Smith 1931 [FAO AFSIS PNW]
Date: 2010-03-18

GOULD'S FLYING SQUID
FTC: B3704
BT: FLYING SQUID [B3693]
AI: <SCINAM>Nototodarus gouldi (McCoy, 1888) [ITIS 556308]
     <SCINAM>Nototodarus gouldi (McCoy 1888) [FAO AFSIS NDG]
Date: 2010-03-18

JAPANESE FLYING SQUID
FTC: B3701
BT: FLYING SQUID [B3693]
AI: <SCINAM>Todarodes pacificus (Steenstrup, 1880) [ITIS 557230]
     <SCINAM>Todarodes pacificus (Steenstrup 1880) [FAO AFSIS SOJ]
     <SCINAM>Todarodes pacificus (Steenstrup, 1880) [CEC 1414]
Date: 2010-03-18

KEYHOLE LIMPET
FTC: B3705
BT: LIMPET [B2279]
AI: <SCIFAM>Fissurellidae Fleming, 1822 [ITIS 69510]
Date: 2010-03-18

LESSER FLYING SQUID
FTC: B3703
BT: FLYING SQUID [B3693]
AI: <SCINAM>Todaropsis eblanae (Ball, 1841) [ITIS 205728]
     <SCINAM>Todaropsis eblanae (Ball 1841) [FAO AFSIS TDQ]
Date: 2010-03-18

MEKONG GIANT CATFISH
FTC: B3686
BT: GIANT CATFISHES [B3684]
AI: <SCINAM>Pangasius gigas (Chevey, 1931) [ITIS 681698]
     <SCINAM>Pangasius gigas (Chevey 1931) [FAO AFSIS PNG]
Date: 2010-03-18

NORTHERN SHORTFIN SQUID
FTC: B3696
BT: FLYING SQUID [B3693]
AI: <SCINAM>Illex illecebrosus (Lesueur, 1821) [ITIS ]
     <SCINAM>Illex illecebrosus (Lesueur 1821) [FAO AFSIS ]
     <SCINAM>Illex illecebrosus (Lesueur, 1821) [CEC 1412]
Date: 2010-03-18

PANGAS CATFISH
FTC: B3689
BT: GIANT CATFISHES [B3684]
AI: <SCINAM>Pangasius pangasius (Hamilton, 1822) [ITIS 681712]
      <SCINAM>Pangasius pangasius (Hamilton 1822) [FAO AFSIS PGP]
Date: 2010-03-18

SHARPTAIL SHORTFIN SQUID
FTC: B3697
BT: FLYING SQUID [B3693]
AI: <SCINAM>Illex oxygonius Roper, Lu and Mangold, 1969 [ITIS 82524]
      <SCINAM>Illex oxygonius Roper, Lu & Mangold 1969 [FAO AFSIS IXO]
Date: 2010-03-18

SHORTBARBEL PANGASIUS
FTC: B3688
BT: GIANT CATFISHES [B3684]
AI: <SCINAM>Pangasius micronemus Bleeker, 1847 [ITIS 681708]
      <SCINAM>Pangasius micronemus Bleeker 1847 [FAO AFSIS PGK]
Date: 2010-03-18

SOUTHERN SHORTFIN SQUID
FTC: B3695
BT: FLYING SQUID [B3693]
AI: <SCINAM>Illex coindetii (Verany, 1839) [ITIS 82523]
      <SCINAM>Illex coindetii (Verany 1839) [FAO AFSIS sqm]
      <SCINAM>Illex coindetii (Verany, 1839) [CEC 1411]
Date: 2010-03-18

SPOT PANGASIUS
FTC: B3687
BT: GIANT CATFISHES [B3684]
AI: <SCINAM>Pangasius larnaudii Bocourt, 1866 [ITIS 681703]
      <SCINAM>Pangasius larnaudii Bocourt 1866 [FAO AFSIS PGJ]
Date: 2010-03-18

SUTCHI CATFISH
FTC: B3685
BT: GIANT CATFISHES [B3684]
AI: <SCINAM>Pangasius hypophthalmus (Sauvage, 1878) [ITIS 164092]
      <SCINAM>Pangasius hypophthalmus (Sauvage 1878) [FAO AFSIS PGJ]
Date: 2010-03-18

WELLINGTON FLYING SQUID
FTC: B3698
BT: FLYING SQUID [B3693]
AI: <SCINAM>Nototodarus sloanii (Gray, 1849) [ITIS 555799]
      <SCINAM>Nototodarus sloani (Gray 1849) [FAO AFSIS TSQ]
      <SCINAM>Nototodarus sloanii (Gray, 1849) [CEC 1413]
Date: 2010-03-18

GARDEN PARLEY
FTC: B3707
BT: PARSLEY [B1550]
AI: <SCIFAM>Apiaceae
      <SCINAM>Petroselinum crispum (Mill.) Nyman ex A. W. Hill var. crispum [GRIN 411921]
      <SCINAM>Petroselinum crispum (Mill.) Nym. [MANSFELD 1246]
Date: 2010-04-30
ITALIAN PARSLEY
FTC: B3706
BT: PARSLEY [B1550]
AI: <SCIFAM>Apoaceae
<SCINAM>Petroselinum crispum (Mill.) Nyman ex A. W. Hill var. neapolitanum Danert [GRIN 409749]
Date: 2010-04-30

AUTHENTIC ETHNIC FOOD CLAIM OR USE
FTC: P0239
BT: ETHNIC FOOD CLAIM OR USE [P0235]
AI: Authentic ethnic food is food from countries other than the home market contributing to a different food culture than the traditional cuisine of the host country. Food may be adapted by combining local and imported ingredients. [Ethnic Groups and Foods in Europe, EuroFIR Synthesis report No 3, 2005]
Date: 2010-05-05

MODIFIED ETHNIC FOOD CLAIM OR USE
FTC: P0240
Old BT: AUTHENTIC ETHNIC FOOD CLAIM OR USE [P0239] moved to
New BT: ETHNIC FOOD CLAIM OR USE [P0235]
AI: Modified ethnic food: a commercially-available version of a food that has been modified to suit the taste and preference of the host country. [Ethnic Groups and Foods in Europe, EuroFIR Synthesis report No 3, 2005]
Date: 2010-05-05

ORGANIC GROWING CONDITION
FTC: Z0253
BT: GROWING CONDITION [Z0207]
AI: <DICTION> Organic: grown with only animal or vegetable fertilisers, as manure, bone meal, compost, etc. (Source: Webster's).

Date: 2010-05-05

ORGANIC OUTDOOR/OPEN-AIR PRODUCTION GROWING CONDITION
FTC: Z0210
Old BT: OUTDOOR/OPEN-AIR GROWING CONDITION [Z0208] copied to
New BT: ORGANIC GROWING CONDITION [Z0253]
AI: <DICTION> Organic: grown with only animal or vegetable fertilisers, as manure, bone meal, compost, etc. (Source: Webster's).

Date: 2010-05-05

ORGANIC UNDER GLASS/PROTECTED PRODUCTION GROWING CONDITION
FTC: Z0213
Old BT: UNDER GLASS/PROTECTED GROWING CONDITION [Z0211] copied to
New BT: ORGANIC GROWING CONDITION [Z0253]
AI: <DICTION> Organic: grown with only animal or vegetable fertilisers, as manure, bone meal, compost, etc. (Source: Webster's).
Date: 2010-05-05

**PRESERVED BY SMOKING**

FTC: J0106
BT: PRESERVED BY REDUCING WATER ACTIVITY [J0145]
RT: SMOKED BY SMOKE INFILTRATION [H0118] *new*
SN: Used when smoking is used for preservation.
AI: In the past, smoking was a useful preservation tool, in combination with other techniques, most commonly salt-curing or drying. For some long-smoked foods, the smoking time also served to dry the food. Drying, curing, or other techniques can render the interior of foods inhospitable to bacterial life, while the smoking gives the vulnerable exterior surfaces an extra layer of protection. [Wikipedia]
Date: 2010-05-05

**SMOKED BY SMOKE INFILTRATION**

FTC: H0118
BT: SMOKED OR SMOKE-FLAVORED [H0172]
RT: PRESERVED BY SMOKING [J0106] *new*
SN: Use when food is exposed it for long periods of time to the smoke from a wood fire. Index also *PRESERVED BY SMOKING* [J0106]. If smoking also includes heat treatment, index the proper heat treatment under *PRESERVED BY HEAT TREATMENT* [J0120].
Date: 2010-05-05

**TRADITIONAL COMPOSITION CLAIM OR USE**

FTC: P0237
BT: TRADITIONAL FOOD CLAIM OR USE [P0234]
SN: Use when "Traditional composition" is claimed.
AI: The uniquely identifiable composition (in terms of ingredients) that was first established prior to the Second World War and passed down through generations by oral or other means (taking into account cases where composition was abandoned for a time and then reinstated) and when necessary is differentiated from the composition defined by the generally recognized characteristics of the wider food group to which the product belongs. [Traditional Foods in Europe, EuroFIR Synthesis report No 6, 2009]
Date: 2010-05-05

**TRADITIONAL INGREDIENT CLAIM OR USE**

FTC: P0236
BT: TRADITIONAL FOOD CLAIM OR USE [P0234]
SN: Use when "Traditional ingredients" is claimed.
AI: Raw material (species and/or varieties) or primary product either alone or as an ingredient that has been used in identifiable geographical areas and remains in use today (taking into account cases where use was abandoned for a time and then reinstated) and its characteristics are in accordance with current specifications of national and EU legislation. [Traditional Foods in Europe, EuroFIR Synthesis report No 6, 2009]
Date: 2010-05-05

**TRADITIONAL TYPE OF PRODUCTION AND/OR PROCESSING CLAIM OR USE**

FTC: P0238
BT: TRADITIONAL FOOD CLAIM OR USE [P0234]
SN: Use when "Traditional type of production and/or processing" is claimed.
AI: The production and/or processing of a food that has been transmitted from generation to generation through oral tradition or other means and has been applied prior to the Second World War and remains in use (taking into account cases where composition was abandoned for a time and then reinstated) despite its adjustment to binding rules from national or EU food hygiene regulations or the incorporation of technological progress, under the condition that production and/or processing remains in line with methods used originally and that the food's intrinsic features such as its physical, chemical, microbiological or organoleptic features are maintained. [Traditional Foods in Europe, EuroFIR Synthesis report No 6, 2009]
Date: 2010-05-05
AFRICAN PLANTAIN
FTC: B3713
BT: INDIANWHEAT [B3712]
Al: <SCIFAM>Plantaginaceae [ITIS 32869]
     <SCINAM>Plantago psyllium L. [ITIS 32908]
     <SCINAM>Plantago afra L. [GRIN 316475]
Date: 2010-05-06

ANNUAL SOWTHISTLE
FTC: B3715
BT: LEAFY VEGETABLE [B1566]
Al: <SCIFAM>Asteraceae [ITIS 35420]
     <SCINAM>Sonchus oleraceus L. [ITIS 38427]
     <SCINAM>Sonchus oleraceus L. [GRIN 34939]
     <DICTION>Sow thistles have been used as fodder, particularly for rabbits, hence the other common
     names of "hare thistle" or "hare lettuce". They are also edible to humans as a leaf vegetable; old leaves
     and stalks can be bitter but young leaves have a flavour similar to lettuce. Going by the name puha or
     rareke (raraki) it is frequently eaten in New Zealand as a vegetable, particularly by the native Maori.
     When cooked it tastes a little similar to chard. [Wikipedia]
Date: 2010-05-06

BEET
FTC: B1309
Old BT: VEGETABLE-PRODUCING PLANT, ROOT, TUBER OR BULB USED [B1018] copied to
New BT: LEAFY VEGETABLE [B1566]
Date: 2010-05-06

BLADDER CAMPION
FTC: B3708
BT: LEAFY VEGETABLE [B1566]
Al: <SCINAM>Silene vulgaris (Moench) Garcke [ITIS 20142]
     <SCINAM>Silene vulgaris (Moench) Garcke [GRIN 105074]
     <DICTION>Silene vulgaris or Bladder Campion is a plant species of the genus Silene. The young shoots
     are edible, but saponin gives them a bitter flavor. [Wikipedia]
Date: 2010-05-06

BROADLEAF WILD LEEK
FTC: B3716
BT: LEEK [B1308]
Al: <SCIFAM>Liliaceae [ITIS 42633]
     <SCINAM>Allium ampeloprasum L. [ITIS 42708]
     <SCINAM>Allium ampeloprasum var. ampeloprasum L. [ITIS 185435]
     <SCINAM>Allium ampeloprasum var. atroviolaceum (Boiss.) Regel [ITIS 185436]
     <SCINAM>Allium ampeloprasum L. var. ampeloprasum [GRIN 400394]
     <DICTION>Allium ampeloprasum is a member of the onion genus Allium, in the family Alliaceae
     (Liliaceae). The wild plant is commonly known as (Broadleaf) Wild Leek - not to be confused with the N.
     American Allium tricoccum of the same name. Its native range is S. Europe to W. Asia. It has been
     differentiated into three cultivated vegetables, namely leek, elephant garlic and kurrat.. [Wikipedia]
Date: 2010-05-06

CHARD
FTC: B1175
Old BT: LEAFY VEGETABLE [B1566] moved to
New BT: BEET [B1309]
Al: <SCIFAM>Chenopodiaceae
     <SCINAM>Beta vulgaris ssp. cicla (L.) Koch [ITIS 524868]
     <SCISYN>Beta vulgaris var. cicla L. [ITIS 532503]
     <SCINAM>Beta vulgaris L. ssp. vulgaris convar. cicla (L.) Alef. [BASIS 46]
     <SCINAM>Beta vulgaris L. subsp. vulgaris [GRIN 7057]
     <SCISYN>Beta vulgaris L. var. cicla L. [GRIN 103152]
     <MANSFELD>276
Date: 2010-05-06
CORN POPPY

FTC: B3709
BT: LEAFY VEGETABLE [B1566]
Al: <SCIFAM>Papaveraceae [ITIS 18880]
<SCINAM>Papaver rhoes L. [ITIS 18893]
<SCINAM>Papaver rhoes L. [GRIN 26703]

<DICTION>Papaver rhoes is a species of flowering plant in the family Papaveraceae. It has a variety of common names, including the Corn Poppy, Field Poppy, Flanders Poppy, or Red Poppy, one of the many species and genera named poppy. The four petals are vivid red, most commonly with a black spot at their base. Its seed is a moderately useful commodity, used in bread dough, for example, and to decorate bread. The red petals are used to make syrups and alcoholic/non-alcoholic drinks. Red poppy syrup is a traditional beverage of Mediterranean regions. [Wikipedia]

Date: 2010-05-06

CORN POPPY

FTC: B3709
Old BT: LEAFY VEGETABLE [B1566] moved to
New BT: POPPY [B1515]
Date: 2010-05-06

HARTWORT

FTC: B3711
BT: LEAFY VEGETABLE [B1566]
Al: <SCIFAM>Apiaceae [ITIS 500042]
<SCINAM>Tordylium apulum L. [ITIS 505532]
<SCINAM>Tordylium maximum L. [GRIN 36756]

<DICTION>Tordylium apulum, commonly known as the Mediterranean Hartwort, is an annual forb or herb. It is classified within the family Apiaceae, the carrot family. It is located in a range from Europe to west Asia, but was introduced to the United States. It is now found only in Arizona. The hartwort does have edible leaves. In Italy it is used as a condiment. [Wikipedia]

Date: 2010-05-06

INDIANWHEAT

FTC: B3712
BT: LEAFY VEGETABLE [B1566]
Al: <SCIFAM>Plantaginaceae [ITIS 32869]
<SCINAM>Plantago L. [ITIS 32870]
<SCINAM>Plantago L. [GRIN 9492]

<DICTION>Plantago is a genus of about 200 species of small, inconspicuous plants commonly called plantains. Plantago species have been used since prehistoric times as herbal remedies. The herb is astringent, anti-toxic, antimicrobial, anti-inflammatory, anti-histamine, as well as demulcent, expectorant, styptic and diuretic. Externally, a poultice of the leaves is useful for insect bites, poison-ivy rashes, minor sores, and boils. In folklore it is even claimed to be able to cure snakebite. Internally, it is used for coughs and bronchitis, as a tea, tincture, or syrup. The broad-leaved varieties are sometimes used as a leaf vegetable for salads, green sauce, et cetera. Plantain seed husks expand and become mucilaginous when wet, especially those of P. psyllium, which is used in common over-the-counter bulk laxative and fiber supplement products. [Wikipedia]

Date: 2010-05-06

OPIUM POPPY

FTC: B3710
BT: POPPY [B1515]
Al: <SCIFAM>Papaveraceae [ITIS 18880]
<SCINAM>Papaver somniferum L. [ITIS 18894]
<SCINAM>Papaver somniferum L. [GRIN 406377]

Date: 2010-05-06

POPPY

FTC: B1515
Old BT: OIL-PRODUCING PLANT [B1017] copied to
New BT: LEAFY VEGETABLE [B1566]
SEA BEET
FTC: B3717
BT: BEET [B1309]
AI: <SCIFAM>Papaveraceae
<SCINAM>Papaver L. [ITIS 18881]
Date: 2010-05-06

The sea beet (Beta vulgaris subsp. maritima) is a member of the family Chenopodiaceae, and is the wild ancestor of common vegetables such as beetroot, sugar beet, and Swiss chard. Its leaves have a pleasant texture and taste when served raw or cooked. [Wikipedia]

SHEPHERD’S NEEDLE
FTC: B3714
BT: LEAFY VEGETABLE [B1566]
AI: <SCIFAM>Apiaceae [ITIS 500042]
<SCINAM>Scandix pecten-veneris L. [ITIS 29865]
<SCINAM>Scandix pecten-veneris L. [GRIN 70632]
Date: 2010-05-06


SUGAR BEET
FTC: B1370
Old BT: SUGAR-PRODUCING PLANT [B1012] copied to
New BT: BEET [B1309]
AI: <SCIFAM>Chenopodiaceae [ITIS 20504]
<SCINAM>Beta vulgaris L. subsp. vulgaris [GRIN 7057]
<SCINAM>Beta vulgaris L. var. altissima Döll [BASIS 44]
Date: 2010-05-06

NORTHERN MOUNTAIN CRANBERRY
FTC: B3718
BT: LINGONBERRY (COWBERRY) [B1019]
AI: <SCIFAM>Ericaceae [ITIS 23463]
<SCINAM>Vaccinium vitis-idaea ssp. minus (Lodd.) Hultén [ITIS 524790]
Date: 2010-05-07

WATERCHESTNUT
FTC: B3719
BT: VEGETABLE-PRODUCING PLANT, ROOT, TUBER OR BULB USED [B1018]
AI: <SCIFAM>Trapaceae [ITIS 27168]
<SCINAM>Trapa natans L. [ITIS 27170]
<SCINAM>Trapa natans L. var. natans [GRIN 400138]
<SCINAM>Trapa natans L. [MANSFELD 4856]
Date: 2010-05-07
LanguaL stands for “Langua Alimentaria” or “language of food”. It is an automated method for describing, capturing and retrieving data about food. The work on LanguaL was started in the late 1970’s by the Center for Food Safety and Applied Nutrition (CFSAN) of the United States Food and Drug Administration (FDA) as an ongoing co-operative effort of specialists in food technology, information science and nutrition. Since then, LanguaL has been developed in collaboration with the US National Cancer Institute (NCI), and, more recently, its European partners, notably in France, Denmark, Switzerland and Hungary. Since 1996, the European LanguaL Technical Committee has administered the thesaurus.

This report presents the documentation of changes and additions from the previous version of LanguaL, version 2008, to the present version of the LanguaL 2009 thesaurus.