

APPENDIX XI**Part A****DRAFT REVISION OF THE CLASSIFICATION OF FOOD AND FEED:****CLASS A: PRIMARY FOOD COMMODITIES OF PLANT ORIGIN****TYPE 03: GRASSES****(For adoption at Step 8)****TYPE 03 GRASSES**

Grasses are herbaceous annual and perennial monocotyledonous plants of different kinds, cultivated extensively for their ears (heads) of starchy seeds used directly for the production of food. Grasses used for animal feed are classified under Class C: Primary Animal feed commodities, Group 051.

The plants are fully exposed to pesticides applied during the growing season.

Cereal grainsClass A**Type 3 Grasses Group 020 Group Letter Code GC**

Group 020. Cereal grains are derived from the ears (heads) of starchy seeds produced by a variety of plants, primarily of the grass family (Gramineae).

Pseudocereals or pseudograins, are not grasses, but have similar uses and are generally considered with cereal grains. Pseudo-cereals, produce dry fruit referred to as seed, nutlets, grains or achenes and are found in families such as Amaranthaceae (amaranths), Chenopodiaceae (Canihua) and Polygoniaceae (buckwheat). This group also includes the small seeded crop chia (Lamiaceae).

The edible seeds are protected to varying degrees from pesticides applied during the growing season by husks. Husks are removed before processing and/or consumption.

Cereal grains are often exposed to post-harvest treatment with pesticides. Six subgroups are defined:

Subgroup 020A Wheat, similar grains, and pseudocereals without husks

Subgroup 020B Barley, similar grains, and pseudocereals with husks

Subgroup 020C Rice Cereals

Subgroup 020D Sorghum Grain and Millet

Subgroup 020E Maize Cereals

Subgroup 020F Sweet Corns

Portion of the commodity to which the MRL applies (and which is analyzed): Whole commodity in trade. Wheat, rye, triticale, maize, sorghum, pearl millet and other similar cereals with husks readily separable from kernels during threshing: kernels. Barley, oats, rice and other similar cereals with husks that remain attached to kernels even after threshing: kernels with husks (Note: For rice, only about 10% of traded grains is with husk). Corn-on-the-cob (kernels plus cob with husk removed).

For Fodders and straw of cereals, see Class C, Type 11 Group 051

Group 020 Cereal grains**Code No.****Commodity**

GC 0080	Group of Cereal grains Seeds of <i>gramineous</i> plants and of dicotyledonous plants with similarities in size and type of the seed, residue pattern and the use of the commodity (includes all commodities in this group)
GC 0081	Cereal grains , cereal grains except pseudocereals
GC 0082	Pseudocereals , or pseudograins, produce dry fruit referred to as seed, nutlets, grains or achenes and are found in families such as Amaranthaceae (amaranths), Chenopodiaceae (Canihua) and Polygoniaceae (buckwheat). This group also includes the small seeded crop chia (Lamiaceae).

Subgroup 020A Wheat, similar grains, and pseudocereals without husks

Code No.	Commodity
GC 2086	Subgroup of Wheat, similar grains, and pseudocereals without husks (includes all commodities in subgroup 020A)
GC 3080	Amaranth, grain <i>Amaranthus</i> spp.
-	Amaranth, purple , see Amaranth grain, GC 3080 <i>Amaranthus cruentus</i> L.
GC 0642	Cañihua <i>Chenopodium pallidicaule</i> Aellen
GC 3084	Chia <i>Salvia hispanica</i> L.
GC 3085	Cram-cram <i>Cenchrus biflorus</i> Roxb.
-	Durum wheat , see Wheat, GC 0654 syn: <i>Triticum durum</i> Desf.
-	Einkorn wheat , see Wheat, GC 0654 <i>Triticum monococcum</i> L. subsp. <i>monococcum</i>
-	Emmer , see Wheat, GC 0654 <i>Triticum turgidum</i> L. subsp. <i>dicoccon</i> (Schrank) Thell.
GC 3086	Huauzontle <i>Chenopodium berlandieri</i> Moq. subsp. <i>nuttalliae</i> (Saff.) H. D. Wilson & Heiser
-	Inca wheat , see Amaranth grain, GC 3080 <i>Amaranthus caudatus</i> L.
-	Khorasan wheat , see Wheat, GC 0654 <i>Triticum turgidum</i> L. subsp.
-	Princess-feather , see Amaranth grain, GC 3080 <i>Amaranthus hypochondriacus</i> L.
GC 3087	Psyllium sp. <i>Plantago</i> spp
-	Psyllium , see Psyllium sp. GC 3087 <i>Plantago arenaria</i> Waldst. & Kit.
-	Psyllium, blond , see Psyllium sp. GC 3087 <i>Plantago ovata</i> Forssk.
GC 0648	Quinoa <i>Chenopodium quinoa</i> Willd.
GC 0650	Rye <i>Secale cereale</i> L.
-	Spelt , see Wheat, GC 0654 <i>Triticum spelta</i> L.

GC 0653	Triticale Hybrid of Wheat and Rye
GC 0654	Wheat Cultivars of <i>Triticum aestivum</i> L.; syn: <i>T. sativum</i> Lam.; <i>T. vulgare</i> Vill.; <i>Triticum</i> spp., as listed

Subgroup 020B Barley, similar grains, and pseudocereals with husks

<u>Code No.</u>	<u>Commodity</u>
GC 2087	Subgroup of Barley, similar grains, and pseudocereals with husks (includes all commodities in subgroup 020B)
GC 0640	Barley <i>Hordeum vulgare</i> L.;
GC 0641	Buckwheat <i>Fagopyrum esculentum</i> Moench;
GC 3082	Buckwheat, tartary <i>Fagopyrum tataricum</i> (L.) Gaertn.
GC 3083	Canarygrass, annual <i>Phalaris canariensis</i> L.
GC 0647	Oats <i>Avena sativa</i> L.; <i>A. abyssinica</i> Hochst.
-	Oat, naked , see Oats, GC 0647 <i>Avena nuda</i> L.
-	Oat, Red , see Oats, GC 0647 <i>Avena byzantina</i> Koch

Subgroup 020C Rice Cereals

<u>Code No.</u>	<u>Commodity</u>
GC 2088	Subgroup of Rice cereals (includes all commodities in subgroup 020C)
GC 0649	Rice <i>Oryza sativa</i> L.; several ssp. and cultivars
GC 3088	Rice, African <i>Oryza glaberrima</i> Steud.
GC 0655	Wild rice <i>Zizania palustris</i> L.
-	Wild Rice, Eastern , see wild rice GC 0655 <i>Zizania aquatica</i> L.

Subgroup 020D Sorghum Grain and Millet

<u>Code No.</u>	<u>Commodity</u>
GC 2089	Subgroup of Sorghum Grain and Millet (includes all commodities in subgroup 020D)
-	Acha , see Hungry Rice, GC 0643
-	Adlay , see Job's Tears, GC 0644

- **African millet**, see Millet, GC 0646
- **Brown-corn millet**, see Millet, GC 0646
- **Bulrush millet**, see Millet, GC 0646
- **Cat-tail millet**, see Millet, GC 0646
- **Chicken corn**, see Sorghum Grain, GC 0651
Sorghum drummondii (Steud.) Millsp. & Chase
- **Dari seed**, see Sorghum Grain, GC 0651
- **Durra**, see Sorghum Grain, GC 0651
syn: *Sorghum durra* (Forsk.) Stapf.
- **Feterita**, see Sorghum Grain, GC 0651
syn: *Sorghum caudatum* Stapf.
- **Finger millet**, see Millet, GC 0646
- **Fonio**, see Hungry Rice, GC 0643
- **Fonio, black**, see Hungry Rice, GC 0643
Digitaria iburua Stapf
- **Fonio, white**, see Hungry Rice, GC 0643
Digitaria exilis (Kippist) Stapf
- **Foxtail millet**, see Millet, GC 0646
- **Fundi**, see Hungry Rice, GC 0643
- **Guinea corn**, see Sorghum Grain, GC 0651
syn: *Sorghum guineense* Stapf.
- **Hog millet**, see Millet, GC 0646
- GC 0643 **Hungry rice**
Digitaria exilis Stapf.; *D. iburua* Stapf.
- GC 0644 **Job's tears**
Coix lacryma-jobi L.
- **Kaffir corn**, see Sorghum Grain, GC 0651
syn: *Sorghum caffrorum* P. Beauv.
- **Kaoliang**, see Sorghum Grain, GC 0651
syn: *Sorghum nervosum* Bess. ex Schult. & Schult. f.
- GC 0646 **Millet**
Including Barnyard Millet, Bulrush Millet, Common Millet, Finger Millet, Foxtail Millet, Little Millet; (see for scientific names, specific commodities listed as Millet, followed by a specific denomination)
- **Millet, Barnyard**, see Millet, GC 0646
Echinochloa crus-galli (L.) Beauv.;
syn: *Panicum crus-galli* L.;
E. frumentacea (Roxb.) Link;
syn: *Panicum frumentaceum* Roxb.
- **Millet, Bulrush**, see Millet, GC 0646
Pennisetum glaucum (L.) R. Br.
syn: *P. typhoides* (Burm. f.) Stapf. & Hubbard; *P. americanum* (L.) K. Schum.; *P. spicatum* (L.) Koern.

- **Millet, Common**, see Millet, GC 0646
Panicum miliaceum L.
 - **Millet, Finger**, see Millet, GC 0646
Eleusine coracana (L.) Gaertn.
 - **Millet, Foxtail**, see Millet, GC 0646
Setaria italica (L.) Beauv.;
syn: *Panicum italicum* L.; *Chaetochloa italica* (L.) Scribn.
 - **Millet, Kodo**, see Millet, GC 0646
Paspalum scrobiculatum L.
 - **Millet, Little**, see Millet, GC 0646
Panicum sumatrense Roth
 - **Millet, Pearl**, see Millet, GC 0646
 - **Milo**, see Sorghum Grain, GC 0651
syn: *Sorghum subglabrescens* (Steud.) Schweinf. & Asch.
 - **Pearl millet**, see Millet, GC 0646
 - **Proso millet**, see Millet, GC 0646
 - **Russian millet**, see Millet, GC 0646
 - **Shallu**, see Sorghum Grain, GC 0651
syn: *Sorghum roxburghii* Stapf.
 - **Sorgo**, see Sorghum Grain, GC 0651
 - GC 0651 **Sorghum Grain**
Sorghum bicolor (L.) Moench; several *Sorghum* ssp. and cultivars
 - **Spiked millet**, see Millet, GC 0646
 - GC 0652 **Teff or Tef**
Eragrostis tef (Zucc.) Trotter;
syn: *E. abyssinica* (Jacq.) Link
- Subgroup 020E Maize Cereals**
- | <u>Code No.</u> | <u>Commodity</u> |
|-----------------|---|
| GC 2091 | Subgroup of Maize Cereals
(includes all commodities in subgroup 020E) |
| - | Corn , see Maize, GC 0645 |
| - | Indian corn , see Maize, GC 0645
syn: <i>Zea indurata</i> Sturtev. |
| GC 0645 | Maize
<i>Zea mays</i> L., several cultivars, not including Sweet corn |
| GC 0656 | Popcorn
<i>Zea mays</i> L., var. <i>everta</i> Sturt.;
syn: <i>Zea mays</i> L., var. <i>praecox</i> |
| GC 0657 | Teosinte
<i>Zea mays</i> ssp. <i>mexicana</i> (Schrader) Iltis;
syn: <i>Zea mexicana</i> (Schrader) Kunze; <i>Euchlaena mexicana</i> Schrader. |

Subgroup 020F Sweet Corns

<u>Code No.</u>	<u>Commodity</u>
GC 2090	Subgroup of Sweet Corns (includes all commodities in subgroup 020F)
GC 3081	Baby corn <i>Zea mays</i> L., several cultivars
-	Corn-on-the cob , see Sweet corn (Corn-on-the-cob), GC 0447
GC 0447	Sweet corn (Corn-on-the-cob) (kernels plus cob with husk removed) <i>Zea mays</i> L., several cultivars, not including popcorn
GC 1275	Sweet corn (whole kernel without cob or husk) <i>Zea mays</i> L., several cultivars, not including popcorn

GRASSES FOR SUGAR OR SYRUP PRODUCTIONClass A**Type 3 Grasses Group 021 Group Letter Code GS**

Group 021, Grasses for sugar or syrup production, includes species of grasses with a high sugar content especially in the stem. The stems are mainly used for sugar or syrup production, and to a small extent as vegetables or sweets. The leaves, ears and several wastes of the sugar or syrup manufacturing process are used, among others, as animal feed (see Group 052: Miscellaneous fodder and forage crops).

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity: Sorgo or Sorghum, Sweet (Stalk); Sugar cane (cane)**

Group 021 Grasses for sugar or syrup production**Code No. Commodity**

GS 0658 **Sorgo or Sorghum, Sweet**

varieties and cultivars of Sorghum of which the stems contain considerable amounts of sweet juice. Among others cultivars of

Sorghum bicolor (L.) Moench.

S. dochna (Forsk.) Snowden

GS 0659 **Sugar cane**

Saccharum officinarum L.

APPENDIX XI**Part B****PROPOSED DRAFT TABLE 3 ON EXAMPLES OF SELECTION OF REPRESENTATIVE COMMODITIES
(GRASS COMMODITY GROUPS)**for inclusion in the *Principles and Guidance for the Selection of Representative Commodities for the Extrapolation of Maximum Residue Limits for Pesticides for Commodity Groups (CAC/GL 84-2012)*

(For adoption at Step 5/8)

Codex Group / Subgroup	Examples of Representative Commodities¹	Extrapolation to the following commodities
Group 020 Cereal Grains	Wheat and Barley and Rice and Sorghum Grain and Maize and Sweet corn	<u>Cereal grains (GC 0080)</u> : Amaranth, grain; Baby corn (immature corn); Barley; Buckwheat; Buckwheat, tartary; Canarygrass, annual; Cañihua; Chia; Corn-on-the-cob (kernels plus cob with husk removed); Cram-cam; Hungry rice; Huauzontle; Job's tears; Maize; Millet; Oats; Popcorn; Psyllium sp., Quinoa; Rice; Rice, African; Rye; Sorghum; Sweet corn (whole kernel without cob or husk); Teff or Tef; Teosinte; Triticale; Wheat; Wild rice
Subgroup 020A, Wheat, similar grains and pseudocereals without husks	Wheat	<u>Wheat, similar grains, and pseudocereals without husks (GC 2086)</u> : Amaranth, grain; Cañihua; Chia; Cram-cam; Huauzontle; Psyllium sp., Quinoa; Rye; Triticale; Wheat
Subgroup 020B, Barley, similar grains, and pseudocereals with husks	Barley	<u>Barley, similar grains, and pseudocereals with husks (GC 2087)</u> : Barley; Buckwheat; Buckwheat, tartary; Canarygrass, annual; Oats
Subgroup 020C Rice cereals	Rice	<u>Rice Cereals (GC 2088)</u> : Rice; Rice, African; Wild rice
Subgroup 020D Sorghum Grain and Millet	Sorghum Grain	<u>Sorghum Grain and Millet (GC 2089)</u> : Hungry rice; Job's tears; Millet; Sorghum Grain; Teff or Tef;
Subgroup 020E Maize Cereals	Maize	Maize; Popcorn; Teosinte
Subgroup 020F Sweet corns	Sweet corn (Corn-on-the-cob) (kernels plus cob with husk removed)	<u>Sweet corns (GC 2090)</u> : Baby corn; Sweet corn (Corn-on-the-cob) (kernels plus cob with husk removed); Sweet corn (whole kernel without cob or husk)
Group 021 Grasses for sugar production and grasses and other plants for syrup production	Sugar cane or Sorgo or Sorghum, Sweet	Sorgo or Sorghum, Sweet; Sugar cane

¹ Alternative representative commodities may be selected based on documented regional/country differences in dietary consumption and/or areas of production.