

# CODEX ALIMENTARIUS COMMISSION



Food and Agriculture  
Organization of the  
United Nations



World Health  
Organization

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Agenda Item 7(a)

CX/PR 20/52/6  
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## JOINT FAO/WHO FOOD STANDARDS PROGRAMME CODEX COMMITTEE ON PESTICIDE RESIDUES

52<sup>nd</sup> Session  
Guangzhou, P.R. China  
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### REVISION OF THE CLASSIFICATION OF FOOD AND FEED: CLASS C: PRIMARY ANIMAL FEED COMMODITIES (At Step 4)

(Prepared by the Electronic Working Group chaired by the United States of America  
and co-chaired by the Netherlands)

Codex members and Observers wishing to submit comments at Step 3 on the revised Class C<sup>1</sup> should do so as instructed in CL 2020/10-PR.

This document should be read in conjunction with relevant working documents and circular letters<sup>2</sup> under Agenda Items 7(b), (c) and (d).

#### BACKGROUND

##### Introduction

- Background on the discussion of the revision of the *Classification of Food and Feed* (CXA 4-1989) can be found in the reports of the 36<sup>th</sup> – 51<sup>st</sup> sessions of the Codex Committee on Pesticide Residues (CCPR) including relevant sessions of the Codex Alimentarius Commission (CAC) held from 2004 to 2019.<sup>3</sup>  
Revision of the Classification of Food and Feed: Working principles and general decisions agreed to by CCPR *All commodities (food and feed)*
- All commodity groups pertaining to one type and the corresponding examples of representative commodities for commodity groups of the said type<sup>4</sup> should be finalized together in order to send a single document for final adoption by the Codex Alimentarius Commission and inclusion in the *Classification of Food and Feed* (CXA 4-1989) and the *Guidance on the Selection of Representative Commodities for the Extrapolation of Maximum Residue Limits for Pesticides to Commodity Groups* (CXG 84-2012).<sup>5</sup>
- In addition, when revising the groups and subgroups under the given type, the following should be observed: (i) to include a commodity only in one group or subgroup to avoid confusion of having two different CXLs<sup>6</sup> for the same commodity; (ii) to include the same commodity with different plant parts in different groups to allow consideration of plant parts when describing a commodity; (iii) to include cross-referencing where commodities (without a code number) can be listed in a group, but with reference to its primary classification; (iv) to include the word “subgroup” to the description of all subgroups to prevent misinterpretation between subgroups and individual commodities that share the same or similar name.<sup>7</sup>

<sup>1</sup> Working documents for CCPR52 are available on the dedicated website:

<http://www.fao.org/fao-who-codexalimentarius/meetings/detail/en/?meeting=CCPR&session=52>

<sup>2</sup> Circular letters are available on the Codex webpage/Circular Letters and can also be accessed from the CCPR website (related circular letters): <http://www.fao.org/fao-who-codexalimentarius/resources/circular-letters/en>

<http://www.fao.org/fao-who-codexalimentarius/committees/committee/related-meetings/jp/?committee=CCPR>

<sup>3</sup> Reports of CCPR and CAC meetings are available at:

<http://www.fao.org/fao-who-codexalimentarius/committees/committee/en/?committee=CCPR>

<http://www.fao.org/fao-who-codexalimentarius/committees/cac/meetings/en/>

<sup>4</sup> Types may refer to fruit commodity groups, vegetable commodity groups, etc.

<sup>5</sup> ALINORM 10/33/24, para. 96, ALINORM 07/30/24 para. 150

<sup>6</sup> CXLs or [Codex] MRLs or [existing] MRLs (= Codex maximum residue limits for pesticides as adopted by the Codex Alimentarius Commission)

<sup>7</sup> REP17/PR, para. 112

4. No changes would be made to existing CXLs until such time as the Joint FAO/WHO Meeting on Pesticide Residues (JMPPR) reviews were completed as per current procedures for the establishment of Codex schedules and priority list of pesticides. The Committee agreed that the same approach would be taken when reviewing other commodity groups in the database following the adoption of revised commodity groups in the Classification”.<sup>8</sup>

#### *Feed Commodities*

5. All feed commodities will be grouped under a single Class C - Primary Animal Feed Commodities and consequently processed commodities identified as feed should be transferred from Class D - Processed Foods of Plant Origin to Class C.<sup>9</sup>
6. In order to facilitate the transfer of commodities from Class D to Class C, a commodity used as food cannot be included in the group of feed. Also when only a small part of the total quantity of a product is used as food and most of it is intended as animal feed, the commodity will be included in processed food and not classified as a feed commodity.<sup>10</sup>
7. The revised structure of Class C is based on the water content of feeds (high water content versus low water content) so as to facilitate crop grouping and extrapolation of maximum residue limits (MRLs).<sup>6</sup>
8. A note will be added to those groups or subgroups for which it is not possible to identify examples of representative commodities for group extrapolation due to the diversity of commodities within the group or subgroup as follows: *It is not possible to set a group-CXL for this group because of the broad diversity of crops. However, when a group contains a number of processed commodities originating from raw commodities from one subgroup in Class A (primary food commodities), the representative commodity from that subgroup in Class A can be used as a representative crop for the corresponding commodities in processed form.*<sup>11</sup>
9. For forage commodities, although no CXLs are established for these commodities as they are not typically traded internationally, they are maintained in the Classification since they are used to calculate livestock dietary burdens with the use of the estimated supervised trials median residue (STMR) and highest residue (HR) values, which are used for the establishment of CXLs for foods of animal origin.<sup>12</sup>

#### Revision of Class C: Primary Animal Feed Commodities

##### *Key decisions and follow-up work*

10. CCPR51 (2019) agreed: (i) to rename the Group of Grasses to Group of Grasses for Feed to differentiate from grasses listed under Type 03 of Class A – Primary Food Commodities of Plant Origin; (ii) not to further separate the Group of Grasses for Feed into Subgroups for “Cool Season” and “Warm Season” grasses as the further breakdown of this Group may introduce unnecessary complexity to the classification of this Group and thus may prevent the establishment of group MRLs; (iii) to move silage commodities from Subgroups 50C / 51C to 50A / 51A since silage was a commodity with a high water content and thus it would be more appropriate to classify the silage commodities in the group with high water content; (iv) to work further on the allocation of additional commodities in Class C; and (v) to further look into the issue of “fodder” in Class C based on a paper to be prepared by Japan as it was not clear on which basis the individual CXLs for fodder were set e.g. on trials for hay or for straw and the removal of the term “fodder” could affect existing CXLs for this commodity.<sup>13</sup>
11. The Electronic Working Group on the Revision of the Classification continued the work on the revision of Class C (taken into account silage, fodder, and separate group for grasses) in accordance with the Terms of Reference (TOR) given to it by CCPR51. The basis for discussion was Conference Room Document CRD30<sup>14</sup> which includes comments submitted at the last session of CCPR on Class C.<sup>15</sup>
12. In allocating new commodities to the different groups and subgroups in Class C, including the transferring of processed commodities from Class D to Class C, the EWG has taken into account the approach taken and decisions made in relation to the revision of the Classification as described in paragraphs 1-9.
13. In addition, commodities previously identified as “fodder” have been revised to include more specific terms for animal feeds, such as “hay”, “straw” and “silage”. Japan provided the document on “fodder” which is included in CX/PR 12/50/9, Appendix II.

<sup>8</sup> REP13/PR, para. 109; REP16/PR, para. 119

<sup>9</sup> REP18/PR, paras. 122-124

<sup>10</sup> REP19/PR, para. 152

<sup>11</sup> REP19/PR, para. 154

<sup>12</sup> ALINORM 06/29/24, paras. 25, 52 and ALINORM 09/32/24, para. 81

<sup>13</sup> REP19/PR, para. 150

<sup>14</sup> <http://www.fao.org/fao-who-codexalimentarius/meetings/detail/en/?meeting=CCPR&session=51>

<sup>15</sup> REP19/PR, para. 179

**CONCLUSIONS**

14. The revised Class C includes a revised structure as agreed by CCPR50 and CCPR51. The revised Type 11 includes an additional subgroup for miscellaneous processed products (such as meal, hulls, dried pulps), and a number of additional commodities for Groups 50, 51 and 52. Addition of new commodities or relocation of commodities from Class D to Class C follows the approach agreed by CCPR50 on the revision of the Classification (Appendix I).
15. Agenda Item 7(d) includes the document on “fodder” prepared by Japan that provides useful background information, describes available data and what MRL could be recommended if the term “fodder” is removed from the Classification. Note that codes in the document on “fodder” may not match the codes in this Agenda Item because of revisions and because the codes in the document on “fodder” are based on the codes currently used for feed in the Classification or new codes were assigned as necessary. This document should be especially useful for periodic re-evaluations by JMPR.
16. Specific discussion on the impact of revised Class C and Class D on existing CXLs for feed (in particular for “fodder”) are described in Agenda Item 7(d).

**RECOMMENDATIONS**

17. Codex members and observers are invited to consider the revised Class C (Appendix I) based on the above conclusions.
18. In view of the rescheduling of CCPR52 to 2021, comments submitted will be considered by the EWG established by CCPR51 in order to provide a revised draft for consideration by CCPR52. Comments and information are most welcome in order to make as much as progress on the revision of Classification on feed commodities in Class C and D and their representative commodities (Agenda Items 7a - d).

**APPENDIX I**

**CLASS C – PRIMARY FEED COMMODITIES**  
**TYPE 11 – PRIMARY FEED COMMODITIES OF PLANT ORIGIN**  
**(For comments)**

Type	No.	Group	Group Letter Code
11	Primary feed commodities of plant origin		
	050	Legume feed products	
		Subgroup 050A: Products of legume feeds with high water (≥20%) content (forage and silage)	AL
		Subgroup 050B: Products of legume feeds with low water (<20%) content (hay)	AL
		Subgroup 050C: Processed products of legume feeds (such as meal, hulls)	AL
	051	Cereal grains (including pseudocereals) and grass feed products	
		Subgroup 051A: Cereal grains (including pseudocereals) feed products with high water (≥20%) content (forage and silage)	AF
		Subgroup 051B: Cereal grains (including pseudocereals) feed products with low water (<20%) content (hay, straw)	AS
		Subgroup 051C: Cereal grains (including pseudocereals) processed products (such as bran, hulls)	AS
		Subgroup 051D: Grasses for Animal Feed	AS
	052	Miscellaneous feed products	
		Subgroup 052A: Miscellaneous feed products with high water (≥20%) content (forage, beet tops)	AV
		Subgroup 052B: Miscellaneous feed products with low water (<20%) content (hay)	AM
		Subgroup 052C: Miscellaneous processed products (such as meal, hulls, dried pulp)	AM

**CLASS C PRIMARY FEED COMMODITIES**

For the purpose of the Codex Alimentarius the term “primary feed commodity” means the product in or nearly in its natural state intended for sale to:

- (a) the stock farmer as feed which is used without further processing for livestock animals or after silaging or similar farm processes.
- (b) to the animal feed industry as a raw material for preparing compounded feeds.

**Legume feeds**

Class C

**Type 11                      Primary feed commodities of plant origin                      Group 050                      Group Letter Code AL**

Group 050. Legume animal feeds include various species of leguminous plants used for animal forage, grazing, hay or silage, with or without seed and processed products. Several species are grown exclusively for animal feeding purposes, whereas some others are grown primarily as food crops. The “waste” parts of the latter crops are often used as animal feed, either in the fresh form or as hay.

The entire commodity may be consumed by livestock animals.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity as presented for wholesale or retail distribution.**

In view of the wide range of moisture contents in most animal feeds, except straws, moving in commerce, the MRLs should preferably be set and expressed on a “dry-weight” basis.

A “dry-weight” basis implies that the commodity is analysed for pesticide residues as received, that the moisture content is determined, preferably by a standard method for use on the relevant commodity, and the residue content is then calculated as if it were wholly contained in the dry matter.

The residues are expressed on a dry-weight basis if not otherwise stated. To avoid confusion caused by the not always consistent commodity description, the “dry-weight” basis, will be indicated, if relevant, with the designation “dry-weight” after the residue figure e.g.

pea vines (green)	;	x mg/kg dry weight
pea hay	;	x mg/kg dry weight

This Group is divided into 3 subgroups:

	Code
Subgroup 050A: Products of legume feeds with high water ( $\geq 20\%$ ) content (forage and silage)	AL
Subgroup 050B: Products of legume feeds with low water ( $< 20\%$ ) content (hay)	AL
Subgroup 050C: Processed products of legume feeds (such as meal, hulls)	AL

**Group 050 Legume feed products**AL 0157 **Group of Legume animal feeds****Subgroup 050A, Products of legume feeds with high water (≥20%) content (forage and silage)**

<b>Code No.</b>	<b>Commodity</b>
AL 3300	<b>Subgroup of Products of legume feeds with high water (≥20%) content (forage and silage) (includes all commodities in this subgroup)</b>
AL 1021	<b>Alfalfa, forage</b> <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 3493	<b>Alfalfa, silage</b> <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 1030	<b>Bean, forage</b> <i>Phaseolus</i> spp.
AL 3494	<b>Bean, forage</b> <i>Vigna</i> spp.
-	<b>Bean, Adzuki, forage, see Bean, forage, AL 3494</b> <i>Vigna angularis</i> (Willd.) Ohwi & H. Ohashi var. <i>angularis</i>
AL 3495	<b>Berlandier acacia, forage</b> <i>Senegalia berlandieri</i> (Benth.) Britton & Rose
AL 3496	<b>Black medic, forage</b> <i>Medicago lupulina</i> L.
AL 3497	<b>Black wattle, forage</b> <i>Acacia mearnsii</i> DeWild.
AF 3498	<b>Brazilian stylo, forage</b> <i>Stylosanthes guianensis</i> (Aubl.) Sw. <i>Stylosanthes hamata</i> (L.) Taub.
AL 3499	<b>Burclover, forage</b> <i>Medicago</i> spp.; Burclover, California, <i>Medicago polymorpha</i> L.; Burclover, spotted, <i>Medicago arabica</i> (L.) Huds.
-	<b>Chickling vetch, forage, see Vetch, forage, AL 1029</b>
AL 3500	<b>Chick-pea, forage</b> <i>Cicer arietinum</i> L.
AL 1023	<b>Clover, forage</b> <i>Trifolium</i> spp. and <i>Melilotus</i> spp.; Clover, alsike, <i>Trifolium hybridum</i> L.; Clover, alyce, <i>Alysicarpus vaginalis</i> (L.) DC.; Clover, arrowleaf, <i>Trifolium vesiculosum</i> Savi; Clover, ball, <i>Trifolium nigrescens</i> Viv.; Clover, Beirut, <i>Trifolium berytheum</i> Boiss. & Blanche; Clover, berseem, <i>Trifolium alexandrinum</i> L.; Clover, bigflower, <i>Trifolium michelianum</i> Savi; Clover, clustrer, <i>Trifolium glomeratum</i> L.; Clover, crimson, <i>Trifolium incarnatum</i> L.; Clover, Egyptian, <i>Trifolium alexandrinum</i> L.; Clover, hop, <i>Trifolium campestre</i> Schreb.; Clover, Kura, <i>Trifolium ambiguum</i> M. Bieb.; Clover, lappa, <i>Trifolium lappaceum</i> L.; Clover, large hop, <i>Trifolium aureum</i> Pollich; Clover, Persian, <i>Trifolium resupinatum</i> L.; Clover, red, <i>Trifolium pratense</i> L.; Clover, rose, <i>Trifolium hirtum</i> All.; Clover, Rueppell's, <i>Trifolium rueppellianum</i> Fresen.; Clover, sea, <i>Trifolium squamosum</i> L.; Clover seaside, <i>Trifolium wormskioldii</i> Lehm.; Clover, small hop, <i>Trifolium dubium</i> Sibth.; Clover, sour, <i>Melilotus indicus</i> (L.) All.; Clover, strawberry, <i>Trifolium fragiferum</i> L.; Clover striate, <i>Trifolium striatum</i> L.; Clover sub, <i>Trifolium subterraneum</i> L.; Clover, tall yellow sweet, <i>Melilotus altissimus</i> Thuill.; Clover, tomcat, <i>Trifolium willdenovii</i> Spreng.; Clover, white, <i>Trifolium repens</i> L.; Clover, white sweet, <i>Melilotus albus</i> Medik.; Clover, whitetip, <i>Trifolium variegatum</i> Nutt.; Clover, yellow sweet, <i>Melilotus officinalis</i> Lam.; Clover, zigzag, <i>Trifolium medium</i> L.; Spärklöver, <i>Trifolium squarrosum</i> L.

- AL 3501 **Clover, silage**  
*Trifolium* spp. and *Melilotus* spp. (see AL 1023, Clover, forage for included species)
- **Cowpea, forage**, see Bean, forage, AL 3994  
*Vigna unguiculata* (L.) Walp.
- **Grass pea, forage**, see Vetch, forage, AL 1029
- AL 3502 **Horse bean, forage**  
*Vicia faba* L. var. *equina* St.-Amans
- AL 3503 **Huisache, forage**  
*Vachellia farnesiana* (L.) Wight & Arn.
- AL 1024 **Kudzu, forage**  
*Pueraria montana* (Lour.) Merr. var. *lobata* (Willd.) Maesen & S. M. Almeida ex Sanjappa & Predeep
- **Kudzu, Tropical, forage**, see Kudzu, forage, AL 1024  
*Neustanthus phaseoloides* (Roxb.) Benth.
- AL 3504 **Leadplant, forage**  
*Amorpha canescens* Pursh
- AL 3505 **Lentil, forage**  
*Lens culinaris* Medik. subsp. *culinaris*
- AL 1025 **Lespedeza, forage**  
*Lespedeza* spp. and *Kummerowia* spp.; Lespedeza, Korean, *Kummerowia stipulacea* (Maxim.) Makino; Lespedeza, sericea, *Lespedeza cuneata* (Dum. Cours.) G. Don; Lespedeza, striate, *Kummerowia striata* (Thunb.) Schindl.
- AL 3506 **Leucaena, forage**  
*Leucaena leucocephala* (Lam.) de Wit
- AL 0545 **Lupin, forage**  
*Lupinus* spp.; Lupin, blue, *Lupinus albus* L.; Lupin, pearl, *Lupinus mutabilis* Sweet; Lupin, white, *Lupinus albus* L. var. *albus*; Lupin, yellow, *Lupinus luteus* L.
- **Melilot, forage**, see Clover, forage, AL 1023  
*Melilotus* spp.
- AL 3507 **Pea, silage**  
*Pisum* spp.
- AL 0528 **Pea, vines**  
*Pisum* spp.
- AL 1270 **Peanut, forage**  
*Arachis hypogaea* L.
- AL 0537 **Pea, pigeon, forage**  
*Cajanus cajan* (L.) Huth
- **Puero, forage** see Kudzu, forage, AL 1024  
*Pueraria phaseoloides* (Roxb.) Benth.
- AL 3508 **Purple prairie clover, forage**  
*Dalea purpurea* Vent.
- AL 3509 **Roundleaf cassia, forage**  
*Chamaecrista rotundifolia* (Pers.) Greene
- AL 1027 **Sainfoin, forage**  
*Onobrychis viciifolia* Scop.;  
syn: *O. sativa* Lamk.

AL 3510	<b>Sainfoin, silage</b> <i>Onobrychis viciifolia</i> Scop.
-	<b>Sericea, forage</b> , see Lespedeza, forage, AL 1025
AL 3511	<b>Sesbania, forage</b> <i>Sesbania exaltata</i> (Raf.) Rydb.
AL 1265	<b>Soya bean, forage</b> <i>Glycine max</i> (L.) Merr;
AL 3512	<b>Soya bean, silage</b> <i>Glycine max</i> (L.) Merr;
AL 3513	<b>Thorn mimosa, forage</b> <i>Vachellia nilotica</i> (L.) P. J. H. Hurter & Mabb. subsp. <i>Nilotica</i>
AL 3514	<b>Trefoil, forage</b> <i>Lotus</i> spp.; Trefoil, big, <i>Lotus uliginosus</i> Schkuhr; Trefoil, birdsfoot, <i>Lotus corniculatus</i> , L.; Trefoil, narrowleaf, <i>Lotus tenuis</i> Waldst. & Kit. ex Willd.; Bigleaf trefoil, <i>Lotus uliginosus</i> Schkuhr
AL 1029	<b>Vetch, forage</b> <i>Vicia</i> spp.; Vetch, bard, <i>Vicia monantha</i> Retz. Vetch, common, <i>Vicia sativa</i> L. spp. <i>sativa</i> ; Vetch, crown, <i>Securigera varia</i> (L.) Lassen; Vetch, hairy, <i>Vicia villosa</i> Roth ssp. <i>villosa</i> ; Vetch, Hungarian, <i>Vicia pannonica</i> Crantz; Vetch, kidney, <i>Anthyllis vulneraria</i> L.; Vetch, milk, <i>Astragalus cicer</i> L.; Vetch, monantha, <i>Vicia articulata</i> Hornem.; Vetch, narrowleaf, <i>Vicia sativa</i> ssp. <i>nigra</i> (L.) Ehrh.; Vetch, purple, <i>Vicia benghalensis</i> L.
-	<b>Vetch, Chickling, forage</b> , see Vetch, forage, AL 1029 <i>Lathyrus sativus</i> L.
-	<b>Vetch, Crown, forage</b> , see Vetch, forage, AL 1029 <i>Coronilla varia</i> L.
-	<b>Vetch, Milk, forage</b> , see Vetch, forage, AL 1029 <i>Astragalus</i> spp.
AL 3515	<b>Vetch, silage</b> <i>Vicia</i> spp.; Vetch, bard, <i>Vicia monantha</i> Retz. Vetch, common, <i>Vicia sativa</i> L. spp. <i>sativa</i> ; Vetch, crown, <i>Securigera varia</i> (L.) Lassen; Vetch, hairy, <i>Vicia villosa</i> Roth ssp. <i>villosa</i> ; Vetch, Hungarian, <i>Vicia pannonica</i> Crantz; Vetch, kidney, <i>Anthyllis vulneraria</i> L.; Vetch, milk, <i>Astragalus cicer</i> L.; Vetch, monantha, <i>Vicia articulata</i> Hornem.; Vetch, narrowleaf, <i>Vicia sativa</i> ssp. <i>nigra</i> (L.) Ehrh.; Vetch, purple, <i>Vicia benghalensis</i> L.
-	<b>Vetch, Chickling, silage</b> , see Vetch, forage, AL 3515 <i>Lathyrus sativus</i> L.
-	<b>Vetch, Crown, silage</b> , see Vetch, forage, AL 3515 <i>Coronilla varia</i> L.
-	<b>Vetch, Milk, silage</b> , see Vetch, forage, AL 3515
<b>Subgroup 050B, Products of legume feeds with low water (&lt;20%) content (hay)</b>	
<b><u>Code No.</u></b>	<b><u>Commodity</u></b>
AL 3301	<b>Subgroup of Products of legume feeds with low water (&lt;20%) content (hay) (includes all commodities in this subgroup)</b>
AL 1020	<b>Alfalfa, hay</b> <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 0061	<b>Bean, hay and/or straw</b> <i>Phaseolus</i> spp.



- AL 3516 **Bean, hay and/or straw**  
*Vigna* spp.
- **Bean, Adzuki, hay**, see Bean, hay, AL 3516  
*Vigna angularis* (Willd.) Ohwi & H. Ohashi var. *angularis*
- Bean, Broad, hay**, See Bean, hay AL 3516  
*Vicia faba* L. subsp. *faba* var. *faba*
- **Bean, goa, hay**, See Bean, hay AL 0061  
*Psophocarpus tetragonolobus* (L.) DC.
- **Bean, lablab, hay**, See Bean, hay AL 0061  
*Lablab purpureus* (L.) Sweet ssp. *purpureus*
- **Bean, mung, hay**, See Bean, hay AL 3516  
*Vigna radiata* (L.) Wilczek var. *radiata*
- **Bean, rice, hay**, See Bean, hay AL 3516  
*Vigna umbellata* (Thunb.) Ohwi & H. Ohashi
- **Bean, runner, hay**, See Bean, hay AL 0061  
*Phaseolus coccineus* L.
- **Bean, tepary, hay**, See Bean, hay AL 0061  
*Phaseolus acutifolius* A. Gray var. *acutifolius*
- **Bean, urd, hay**, See Bean, hay AL 3516  
*Vigna mungo* (L.) Hepper var. *mungo*
- **Bean, yardlong, hay**, See Bean, hay AL 3516  
*Vigna unguiculata* (L.) Walp. subsp. *unguiculata* group *sesquipedalis*
- AL 1022 **Bean, velvet, hay**  
*Mucuna pruriens* (L.) DC. var. *utilis* (Wall. ex Wight) Baker ex Burck
- AL 3517 **Brazilian stylo, hay**  
*Stylosanthes guianensis* (Aubl.) Sw.  
*Stylosanthes hamata* (L.) Taub.
- Catjang, hay**, See Bean, hay AL 3516  
*Vigna unguiculata* (L.) Walp. subsp. *unguiculata* group *biflora*
- AL 3518 **Centurion, hay**  
*Centrosema pascuorum* Murt. Ex Benth.
- AL 0524 **Chick-pea, hay**  
*Cicer arietinum* L.
- AL 1031 **Clover, hay**  
*Trifolium* spp. and *Melilotus* spp.
- **Cowpea, hay**, see Bean, hay, AL 3516  
*Vigna unguiculata* (L.) Walp.
- AL 3519 **Crotalaria, hay**  
*Crotalaria* spp.; *Crotalaria*, lance-leaf, *Crotalaria lanceolata* E. Mey.; *Crotalaria*, showy, *Crotalaria spectabilis* Roth; *Crotalaria*, slenderleaf, *Crotalaria brevidens* Benth.; *Crotalaria*, striped, *Crotalaria pallida* Aiton; Sunn-hemp, *Crotalaria juncea* L.
- AL 3520 **Guar, hay**  
*Cyamopsis tetragonoloba* (L.) Taub.
- AL 3521 **Horse gram, hay**  
*Macrotyloma uniflorum* (Lam.) Verde.

AL 3522	<b>Jack bean, hay</b> <i>Canavalia ensiformis</i> (L.) DC.
AL 3523	<b>Lespedeza, hay</b> <i>Lespedeza</i> spp. and <i>Kummerowia</i> spp.; Lespedeza, Korean, <i>Kummerowia stipulacea</i> (Maxim.) Makino; Lespedeza, sericea, <i>Lespedeza cuneata</i> (Dum. Cours.) G. Don; Lespedeza, striate, <i>Kummerowia striata</i> (Thunb.) Schindl.
AL 0072	<b>Pea, hay</b> <i>Pisum</i> spp.
-	<b>Pea, pigeon, hay</b> , see Pea, hay, AL 0072 <i>Cajanus cajan</i> (L.) Huth
-	<b>Pea, southern, hay</b> , see Bean, hay, AL 3516 <i>Vigna unguiculata</i> (L.) Walp. subsp. <i>unguiculata</i> group <i>unguiculata</i>
AL 0697	<b>Peanut, hay</b> <i>Arachis hypogaea</i> L.
AL 3524	<b>Perennial peanut, hay</b> <i>Arachis glabrata</i> Benth. var. <i>glabrata</i> ; Pinto peanut, <i>Arachis pintoii</i> Krapov. & W.C. Greg
AL 3525	<b>Purple prairie-clover, hay</b> <i>Dalea purpurea</i> Vent.
AL 3526	<b>Sainfoin, hay</b> <i>Onobrychis viciifolia</i> Scop.
AL 0541	<b>Soya bean, hay</b> <i>Glycine max</i> (L.) Merr;
AL 1028	<b>Trefoil, hay</b> <i>Lotus</i> spp.; Trefoil, big, <i>Lotus uliginosus</i> Schkuhr; Trefoil, birdsfoot, <i>Lotus corniculatus</i> , L.; Trefoil, narrowleaf, <i>Lotus tenuis</i> Waldst. & Kit. ex Willd.; Bigleaf trefoil, <i>Lotus uliginosus</i> Schkuhr
AL 3527	<b>Vetch, hay</b> <i>Vicia</i> spp.; Vetch, bard, <i>Vicia monantha</i> Retz. Vetch, common, <i>Vicia sativa</i> L. spp. <i>sativa</i> ; Vetch, crown, <i>Securigera varia</i> (L.) Lassen; Vetch, hairy, <i>Vicia villosa</i> Roth ssp. <i>villosa</i> ; Vetch, Hungarian, <i>Vicia pannonica</i> Crantz; Vetch, kidney, <i>Anthyllis vulneraria</i> L.; Vetch, milk, <i>Astragalus cicer</i> L.; Vetch, monantha, <i>Vicia articulata</i> Hornem.; Vetch, narrowleaf, <i>Vicia sativa</i> ssp. <i>nigra</i> (L.) Ehrh.; Vetch, purple, <i>Vicia benghalensis</i> L.
-	<b>Vetch, Chickling, hay</b> , see Vetch, hay, AL 3527 <i>Lathyrus sativus</i> L.
-	<b>Vetch, Crown, hay</b> , see Vetch, hay, AL 3527 <i>Coronilla varia</i> L.
-	<b>Vetch, Milk, hay</b> , see Vetch, hay, AL 3527 <i>Astralagus</i> spp.
-	<b>Velvet bean, hay</b> , see Bean, Velvet, hay, AL 1022 <i>Mucuna pruriens</i> (L.) DC. var. <i>utilis</i> (Wall. ex Wight) Baker ex Burck
<b>Subgroup 050C, Processed products of legume feeds (such as meal, hulls)</b>	
<b>Code No.</b>	<b>Commodity</b>
AL 3302	<b>Subgroup of Processed products of legume feeds (like meal, hulls) (includes all commodities in this subgroup)</b>
AL 3528	<b>Alfalfa, cubes</b> <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.

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AL 3529	<b>Alfalfa, meal</b> <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 3530	<b>Leucaena, milled</b> <i>Leucaena leucocephala</i> (Lam.) de Wit
AL 3531	<b>Pea, hulls</b> <i>Pisum</i> spp.
AL 3532	<b>Soya bean, hulls</b> <i>Glycine max</i> (L.) Merr;

**Group 051 Cereal grains (including pseudocereals) and grass feed products**

Class C

Type 11 Primary feed commodities of plant origin

Group 051 Group Letter Code AS (straws and hay) AF (forage)

The forage, hay and straw of cereal grains, grasses and processed products are derived from various plants of the grass family (Poaceae (alt. Gramineae)).

Cereal grains are grown to a limited extent as a forage crop. The immature crop is fed to livestock animals as succulent forage or as silage.

The cereal grain crops are mainly grown for human food or raw material for preparing food products. The “waste” parts remaining after harvest of the grain kernels (stems, stalks, leaves and empty ears) are extensively used and distributed for animal feeding purposes, in the form of hay or straw.

Several other species of the grass family are exclusively grown as forages crops. These crops are either used for grazing or are prepared for wholesale or retail distribution in the form of grass silage (in general one or more cuttings from immature plants), as artificially dried grass or as hay. The entire commodity may be consumed by livestock animals.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity, as presented for wholesale or retail distribution.**

In view of the range of moisture contents in the animal feeds of this Group, moving in commerce, the MRLs should preferably be set and expressed on a “dry-weight” basis.

A “dry-weight” basis implies that the commodity is analysed for pesticide residues as received, that the moisture content is determined, preferably by a standard method for use on the relevant commodity, and that the residue content is then calculated as if it were wholly contained in the dry matter. **See explanation in Group 050 Legume animal feeds**

The residues on the dry commodities of this Group, e.g. straws and hays, are expressed on the commodity as such.

**Forage:** Crops grown exclusively for animal feed. These crops are either used for grazing or are prepared as silage or as hay. Maize forage: whole green plant, prior to maturity (including the immature or nearly mature cobs).

**Hay and Straw:**

Coarse feed for livestock animals, especially cattle, horses and sheep, such as straw, hay, maize, stalks (stover) etc. e.g.

Maize hay: stover or whole stalks (with ears removed) remaining after the harvest of the mature and sun-dried cobs.

**Silage:** Finely chopped feed that is packed tight, and allowed to ferment in an air-tight environment until it reaches a pH of 4-5.

Group 051 Cereal grains and grasses (including pseudocereals) feed products

This Group is divided into 4 subgroups:

	Code
Subgroup 051A: Cereal grains (including pseudocereals) feed products with high water (≥20%) content (forage and silage)	AF
Subgroup 051B: Cereal grains (including pseudocereals) feed products with low water (<20%) content (hay, straw)	AS
Subgroup 051C: Cereal grains (including pseudocereals) processed products (such as bran, hulls)	AS
Subgroup 051D: Grasses for Animal Feed	AS

**Group 051 Cereal grains (including pseudocereals) feed products****Subgroup 051A, Cereal grains (including pseudocereals) feed products with high water (≥20%) content (forage and silage)**

<b>Code No.</b>	<b>Commodity</b>
AF 3303	<b>Subgroup of Cereal grains (including pseudocereals) feed products with high water (≥20%) content (forage and silage) (Includes all commodities in this subgroup)</b>
AF 3533	<b>Amaranth, forage</b> <i>Amaranthus</i> spp.; Amaranth, purple, <i>Amaranthus cruentus</i> L.; Princess-feather, Princess-feather, Amaranthaceae, <i>Amaranthus hypochondriacus</i> L.; Inca wheat, <i>Amaranthus caudatus</i> L.
AF 3534	<b>Barley, forage</b> <i>Hordeum vulgare</i> L. subsp. <i>Vulgare</i>
AS 3535	<b>Barley, silage</b> <i>Hordeum vulgare</i> L. subsp. <i>vulgare</i>
AF 3536	<b>Buckwheat, forage</b> <i>Fagopyrum esculentum</i> Moench
AF 3537	<b>Canarygrass, annual, forage</b> <i>Phalaris canariensis</i> L.
-	<b>Corn, forage</b> , see Maize forage, AS 0645
-	<b>Corn, silage</b> , See Maize silage, AS 3539 <i>Zea mays</i> L.
-	<b>Field corn, forage</b> , see Maize forage, AS 0645
-	<b>Field corn, silage</b> , See Maize silage, AS 3539 <i>Zea mays</i> L.
AF 3538	<b>Hungry rice, forage</b> <i>Digitaria iburua</i> Stapf; Fonio, white, <i>Digitaria exilis</i> (Kippist) Stapf
AF 0645	<b>Maize, forage</b> <i>Zea mays</i> L.
AS 3539	<b>Maize, silage</b> <i>Zea mays</i> L.
AF 3540	<b>Millet, forage</b> Millet, barnyard, <i>Echinochloa frumentacea</i> Link; Millet, finger, <i>Eleusine coracana</i> (L.) Gaertn.; Millet, foxtail, <i>Setaria italica</i> (L.) P. Beauv. subsp. <i>italica</i> ; Millet, little, <i>Panicum sumatrense</i> Roth; Millet, proso, <i>Panicum miliaceum</i> L. subsp. <i>miliaceum</i> ; Millet, pearl, <i>Pennisetum glaucum</i> (L.) R. Br.
AF 0647	<b>Oat, forage</b> <i>Avena</i> spp.; Oat, common, <i>Avena sativa</i> L.; Oat, Abyssiniam, <i>Avena abyssinica</i> Hochst. ex A. Rich.; Oat, naked, <i>Avena nuda</i> L.; Oat, sand, <i>Avena strigosa</i> Schreb.
AS 3541	<b>Oat, silage</b> <i>Avena</i> spp.; Oat, common, <i>Avena sativa</i> L.; Oat, Abyssiniam, <i>Avena abyssinica</i> Hochst. ex A. Rich.; Oat, naked, <i>Avena nuda</i> L.; Oat, sand, <i>Avena strigosa</i> Schreb.
AF 3542	<b>Rice, forage</b> <i>Oryza sativa</i> L.; Rice, African, <i>Oryza glaberrima</i> Steud.; Wild rice, <i>Zizania palustris</i> L.; Wild rice, Eastern, <i>Zizania aquatica</i> L.
AS 3543	<b>Rice, silage</b> <i>Oryza sativa</i> L.; Rice, African, <i>Oryza glaberrima</i> Steud.; Wild rice, <i>Zizania palustris</i> L.; Wild rice, Eastern, <i>Zizania aquatica</i> L.

AF 0650	<b>Rye, forage</b> <i>Secale cereale</i> L.
AS 3544	<b>Rye, silage</b> <i>Secale cereale</i> L.
AF 0651	<b>Sorghum, forage</b> <i>Sorghum bicolor</i> (L.) Moench; other <i>Sorghum</i> spp.
AS 3545	<b>Sorghum, silage</b> <i>Sorghum bicolor</i> (L.) Moench; other <i>Sorghum</i> spp.
AF 3546	<b>Sweet corn, forage</b> <i>Zea mays</i> L. subsp. <i>mays</i>
AF 3547	<b>Triticale, forage</b> x <i>Triticosecale</i> sp.
AS 3548	<b>Triticale, silage</b> x <i>Triticosecale</i> sp.
AF 3549	<b>Wheat, forage</b> <i>Triticum aestivum</i> L. subsp. <i>aestivum</i>
AS 3550	<b>Wheat, silage</b> <i>Triticum aestivum</i> L. subsp. <i>aestivum</i>
<b>Subgroup 051B, Cereal grains (including pseudocereals) feed products with low water (&lt;20%) content (hay, straw)</b>	
<b><u>Code No.</u></b>	<b><u>Commodity</u></b>
AS 3304	<b>Subgroup of Cereal grains (including pseudocereals) feed products with low water (&lt;20%) content (hay, straw) (includes all commodities in this subgroup)</b>
AS 0161	<b>Straw and hay of cereal grains and other grass-like plants</b>
AS 0081	<b>Straw of cereal grains (including pseudocereals)</b>
AS 3551	<b>Amaranth, hay</b> <i>Amaranthus</i> spp.; Amaranth, purple, <i>Amaranthus cruentus</i> L.; Princess-feather, Princess-feather, Amaranthaceae, <i>Amaranthus hypochondriacus</i> L.; Inca wheat, <i>Amaranthus caudatus</i> L.
AS 3552	<b>Barley, hay</b> <i>Hordeum vulgare</i> L. subsp. <i>vulgare</i>
AS 0640	<b>Barley, straw</b> <i>Hordeum vulgare</i> L. subsp. <i>vulgare</i>
AS 0641	<b>Buckwheat, hay</b> <i>Fagopyrum esculentum</i> Moench; Buckwheat, Tartary, <i>Fagopyrum tataricum</i> (L.) Gaertn.
AS 3553	<b>Canarygrass, annual, hay</b> <i>Phalaris canariensis</i> L.
-	<b>Corn, hay</b> , see Maize hay, AS 0645
-	<b>Field corn, hay</b> , see Maize hay, AS 0645
-	<b>Field corn, stover</b> , See Maize stover, AS 3555 <i>Zea mays</i> L.
AS 3554	<b>Hungry rice, hay</b> <i>Digitaria iburua</i> Stapf; Fonio, white, <i>Digitaria exilis</i> (Kippist) Stapf

AS 0645	<b>Maize, hay</b> <i>Zea mays</i> L.
AS 3555	<b>Maize, stover</b> <i>Zea mays</i> L.
AS 0646	<b>Millet, hay</b> Millet, barnyard, <i>Echinochloa frumentacea</i> Link; Millet, finger, <i>Eleusine coracana</i> (L.) Gaertn.; Millet, foxtail, <i>Setaria italica</i> (L.) P. Beauv. subsp. <i>italica</i> ; Millet, little, <i>Panicum sumatrense</i> Roth; Millet, proso, <i>Panicum miliaceum</i> L. subsp. <i>miliaceum</i> ; Millet, pearl, <i>Pennisetum glaucum</i> (L.) R. Br.
AS 3556	<b>Millet, straw</b> Millet, barnyard, <i>Echinochloa frumentacea</i> Link; Millet, finger, <i>Eleusine coracana</i> (L.) Gaertn.; Millet, foxtail, <i>Setaria italica</i> (L.) P. Beauv. subsp. <i>italica</i> ; Millet, little, <i>Panicum sumatrense</i> Roth; Millet, proso, <i>Panicum miliaceum</i> L. subsp. <i>miliaceum</i> ; Millet, pearl, <i>Pennisetum glaucum</i> (L.) R. Br.
AS 3557	<b>Oat, hay</b> <i>Avena</i> spp.; Oat, common, <i>Avena sativa</i> L.; Oat, Abyssiniam, <i>Avena abyssinica</i> Hochst. ex A. Rich.; Oat, naked, <i>Avena nuda</i> L.; Oat, sand, <i>Avena strigosa</i> Schreb.
AS 0647	<b>Oat, straw</b> <i>Avena</i> spp.; Oat, common, <i>Avena sativa</i> L.; Oat, Abyssiniam, <i>Avena abyssinica</i> Hochst. ex A. Rich.; Oat, naked, <i>Avena nuda</i> L.; Oat, sand, <i>Avena strigosa</i> Schreb.
AS 0656	<b>Pop corn, stover</b> <i>Zea mays</i> L. subsp. <i>mays</i>
AS 0649	<b>Rice, straw</b> <i>Oryza sativa</i> L.; Rice, African, <i>Oryza glaberrima</i> Steud.; Wild rice, <i>Zizania palustris</i> L.; Wild rice, Eastern, <i>Zizania aquatica</i> L.
AS 0650	<b>Rye, straw</b> <i>Secale cereale</i> L.
AS 3558	<b>Sorghum, stover</b> <i>Sorghum bicolor</i> (L.) Moench; other <i>Sorghum</i> spp.
AS 0651	<b>Sorghum, straw</b> <i>Sorghum bicolor</i> (L.) Moench; other <i>Sorghum</i> spp.
AS 0447	<b>Sweet corn, stover</b> <i>Zea mays</i> L. subsp. <i>mays</i>
AS 3559	<b>Teff, hay</b> <i>Eragrostis tef</i> (Zuccagni) Trotter
AS 3560	<b>Teff, straw</b> <i>Eragrostis tef</i> (Zuccagni) Trotter
AS 0656	<b>Teosinte, hay</b> <i>Zea mays</i> ssp. <i>mexicana</i> (Schrad.) H. H. Iltis;
AS 0653	<b>Triticale, straw and hay</b> x <i>Triticosecale</i> sp.
AS 3561	<b>Wheat, hay</b> <i>Triticum</i> spp.
AS 0654	<b>Wheat, straw</b> <i>Triticum</i> spp.

**Subgroup 051C, Cereal grains (including pseudocereals) processed products (such as bran, hulls)**

<u>Code No.</u>	<u>Commodity</u>
AS 3305	<b>Subgroup of Cereal grains (including pseudocereals) processed products (such as bran, hulls)</b> (Includes all commodities in this subgroup)
AS 3562	<b>Maize, bran</b> <i>Zea mays</i> L.
AS 3563	<b>Rice, hulls</b> <i>Oryza sativa</i> L.; Rice, African, <i>Oryza glaberrima</i> Steud.; Wild rice, <i>Zizania palustris</i> L.; Wild rice, Eastern, <i>Zizania aquatica</i> L.
AS 3564	<b>Timothy, cubes</b> <i>Phleum</i> spp.

**Subgroup 051D, Grasses for animal feed**

<u>Code No.</u>	<u>Commodity</u>
AS 3306	<b>Subgroup of Forage, hay and silage from grasses used for animal feed</b> (Includes all commodities (grasses in the Poaceae (Gramineae) family in this subgroup)
AS 0162	<b>Hay of grasses, includes all hay of species of grasses in the Poaceae (alt.Gramineae) family in this subgroup</b>
AS 0163	<b>Forage of grasses, includes all forage of species of grasses in the Poaceae (alt.Gramineae) family in this subgroup</b>
AS 0164	<b>Silage of grasses, include all silage of species of grasses in the Poaceae (alt.Gramineae) family in this subgroup</b>



**Group 052 Miscellaneous Feed Products**

Class C

**Type 11 Primary feed commodities of Plant origin****Group 052 Group Letter Codes AM (hay and processed products) AV (forage)**

Group 052. Miscellaneous forage, hay crops and processed products, are derived from various kinds of plants except leguminous and grassy plants (family *Gramineae*). However, for convenience, the hay and forage of grasses for sugar production are included in this Group. Some of the crops listed in this Group are primarily grown for human food or as raw material for preparing food (e.g. sugar beet) and the "waste" material of such crops is used as animal feed.

The entire commodity may be consumed by livestock animals, either in a succulent form, as silage or in the form of hay.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity as presented for wholesale or retail distribution. In view of the wide range of moisture contents in the animal feeds of this Group moving in commerce the MRLs should, if relevant, preferably be set and expressed on a "dry-weight" basis, see explanation in Group 050 Legume animal feeds.**

Group 052 Miscellaneous Feed Products

This Group is divided into 3 subgroups:

	Code
Subgroup 052A: Miscellaneous feed products with high water ( $\geq 20\%$ ) content (forage, beet tops)	AV
Subgroup 052B: Miscellaneous feed products with low water ( $< 20\%$ ) content (hay)	AM
Subgroup 052C: Miscellaneous processed products (such as meal, hulls, dried pulp)	AM

**Subgroup 052A: Miscellaneous feed products with high water ( $\geq 20\%$ ) content (forage, beet tops)**

<u>Code No.</u>	<u>Commodity</u>
AM 0165	<b>Miscellaneous feed products</b> except leguminous and grass plants ( <i>Gramineae</i> ), but including grasses for sugar production
AV 3307	<b>Subgroup of Products of high water (<math>\geq 20\%</math>) content (forage, beet tops)</b>
AV 3565	<b>Arrowleaf balsamroot, forage</b> <i>Balsamorhiza sagittata</i> (Pursh) Nutt.
-	<b>Carrot, culls</b> , see Carrot, VR 0577 (the same MRL applied as the food commodity) <i>Daucus carota</i> L.
AV 1050	<b>Cow cabbage, leaves</b> <i>Brassica oleracea</i> L. var. <i>viridis</i> L.
AV 1051	<b>Fodder beet, leaves or tops</b> <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
-	<b>Kale, forage</b> , see Kale, VL 0480 (the same MRL applies as the food commodity) <i>Brassica oleracea</i> L. var. <i>viridis</i> L.
AV 3566	<b>Kenaf, forage</b> <i>Hibiscus cannabinus</i> L.
AV 1052	<b>Marrow-stem cabbage or Marrow-stem kale, leaves and stems</b> <i>Brassica oleracea</i> L. var. <i>medullosa</i> Thell.
-	<b>Mangel or Mangold</b> , see Fodder beet, AV 1051
-	<b>Mangoldwurzel</b> , see Fodder beet, AV 1051
AV 0353	<b>Pineapple, forage</b> <i>Ananas comosus</i> (L.) Merr.
-	<b>Potato, culls</b> , see Potato, VR 0589 (the same MRL applies as the food commodity) <i>Solanum tuberosum</i> L.

AV 0495	<b>Rape seed, forage</b> <i>Brassica napus</i> L.
AV 3567	<b>Spiny hopsage, forage</b> <i>Grayia spinosa</i> (Hook.) Moq.
AV 0596	<b>Sugar beet, leaves or tops</b> <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
AV 0659	<b>Sugar cane, forage or tops</b> <i>Saccharum officinarum</i> L.
AV 0497	<b>Swedish turnip or Swede, leaves or tops</b> <i>Brassica napus</i> L. subsp. <i>rapifera</i> Metzg.
AV 3568	<b>Taper-tip hawk's-beard, forage</b> <i>Crepis acuminata</i> Nutt.
AV 3569	<b>Threadleaf sedge, forage</b> <i>Carex filifolia</i> Nutt.
AV 0506	<b>Turnip, leaves or tops, see Turnip greens, VL 0506 (the same MRL applies as the food commodity)</b> <i>Brassica rapa</i> L. subsp. <i>rapa</i>
<b>Subgroup 052B: Miscellaneous processed products with low water (&lt;20%) content (hay)</b>	
AM 3308	<b>Subgroup of Products with low water (&lt;20%) content (hay) (includes all commodities in this subgroup)</b>
AM 3570	<b>Arrowleaf balsamroot, hay</b> <i>Balsamorhiza sagittata</i> (Pursh) Nutt.
AM 0691	<b>Cotton hay, dry</b> <i>Gossypium</i> spp.
AM 3571	<b>Kenaf, hay</b> <i>Hibiscus cannabinus</i> L.
AM 0738	<b>Mint, hay</b> <i>Mentha</i> spp.
AM 0495	<b>Rape seed, hay</b> <i>Brassica napus</i> L.
AM 0659	<b>Sugar cane, hay</b> <i>Saccharum officinarum</i> L.
AM 0506	<b>Turnip, fodder</b> <i>Brassica rapa</i> L. subsp. <i>Rapa</i>
<b>Subgroup 052C: Processed products (such as meal, hulls, dried pulp)</b>	
AM 3309	<b>Subgroup of Processed products (such as meal, hulls, dried pulps) (includes all commodities in this subgroup)</b>
AM 0660	<b>Almond, hulls</b> <i>Prunus dulcis</i> (Mill.) D.A. Webb
-	<b>Canola, meal, see AM 3580 Rape seed, meal</b> <i>Brassica</i> spp.
AM 0691	<b>Cotton seed, hulls</b> <i>Gossypium</i> spp.

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AM 1204	<b>Cotton gin trash</b> <i>Gossypium</i> spp.
-	<b>Cotton gin</b> , see AM 1204 Cotton gin trash <i>Gossypium</i> spp.
AM 0353	<b>Pineapple, process residue</b> <i>Ananas comosus</i> (L.) Merr.
-	<b>Pineapple, process waste</b> , see AM 0353 <i>Ananas comosus</i> (L.) Merr.
AM 3572	<b>Potato, process residue, dehydrated</b> <i>Solanum tuberosum</i> L. ssp. <i>tuberosum</i>
AM 3573	<b>Potato, process residue, raw</b> <i>Solanum tuberosum</i> L. ssp. <i>tuberosum</i>
AM 3574	<b>Potato, process residue, wet</b> <i>Solanum tuberosum</i> L. ssp. <i>tuberosum</i>
AM 3575	<b>Potato, process residue, heat-treated,wet</b> <i>Solanum tuberosum</i> L. ssp. <i>tuberosum</i>
-	<b>Potato, process waste</b> , see Potato, process residue
AM 3576	<b>Potato, waste meal, dried</b> <i>Solanum tuberosum</i> L. ssp. <i>tuberosum</i>
AM 3577	<b>Rape seed, hulls</b> <i>Brassica</i> spp.
AM 3578	<b>Rape seed, meal</b> <i>Brassica</i> spp.
AM 0596	<b>Sugar beet, pulp, dry</b> <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
AM 1201	<b>Sugar beet, pulp, wet</b> <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
AM 3579	<b>Sugar cane bagasse</b> <i>Saccharum officinarum</i> L.
AM 3580	<b>Sweet corn cannery waste</b> <i>Zea mays</i> L., several cultivars, not including popcorn
AM 3581	<b>Vegetable, process residue, wet</b>

**APPENDIX II**

**LIST OF PARTICIPANTS**  
**(The List applies to all working documents**  
**for Agenda Item 7)**

<b>Name</b>	<b>Country</b>
Bill Barney (Chair)	USA
Dorin Poelmans (Co-Chair)	Netherlands
Aaron Niman	USA
Ahmet Gaønga	Turkey
Amanda Lasso Cruz	Costa Rica
CCPR Secretariat	China
Chonnipa Pawasut	Thailand
Codex Japan	Japan
Cordelia Kraft	Germany
Dawisa Paiboonsiri	Thailand
Dr Matthew K Essilfie	Ghana
Eduardo Aylwin	Chile
European Union	Europe
Fengmao Liu	China
florence gerault	France
Hidetaka Kobayashi	Japan
Hwang Kiseon	Republic of Korea
Ingunn Haarstad Gudmundsdottir	Norway
James Oliver Deller	Australia
Jennifer Selwyn	Canada
John Collins	UK
Juan Carlos Huiza Trujillo	Peru
Karen Aracely Gatica Solares	Guatemala
Karsten Hohgardt	Germany
Kenneth Lowery	USA
Laura Gelezuinas	France
Marc Leguen de Lacroix	Belgium
Maria Cecilia Perez Olaya	Ecuador
Maria Taberno	Belgium
Mariam Barsoum Onsy	Egypt
Marie Maratos	USA

<b>Name</b>	<b>Country</b>
Nancy Wilkins	United States
Niall O'Brien	United Kingdom
Niklas Montell	Sweden
Norwegian Codex Contact Point	Norway
Park Yu-min	South Korea
Razzaryonov Alexandr	Kazakhstan
Referat 313	Germany
Roxana Ines Vera Muaoz	Chile
Roya Noorbakhsh	Iran
Sameer Tiwari	Australia
Sinan ARSLAN	Turkey
Tania Daniela Fosado Soriano	Mexico
Tatiana Vajsquez Morera	Costa Rica
Veronica Picado Pomar	Costa Rica
Volker Wachtler	European Union
Warren Hughes	New Zealand
Wibke Meyer	Belgium