

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of the
United Nations



World Health
Organization

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Agenda Item 7(a)

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REVISION OF THE CLASSIFICATION OF FOOD AND FEED:

CLASS C: PRIMARY ANIMAL FEED COMMODITIES

INCLUDING ISSUES RELATED TO FODDER 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: Primary Animal Feed Commodities should do so as instructed in CL 2021/37/OCS-PR available on the Codex webpage/Circular Letters¹ or CCPR/Related Circular Letters². This document should be read in conjunction with relevant working documents under Agenda Items 7(b), (c) and (d).

BACKGROUND

1. 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 36th – 51st sessions of the Codex Committee on Pesticide Residues (CCPR) including relevant sessions of the Codex Alimentarius Commission (CAC) held from 2004 to 2019.³
2. The practice adopted by CCPR in the revision of the Classification is to retain the revision of the commodity groups (e.g. fruit commodity groups, vegetable commodity groups, etc.) waiting for the final compilation of the related commodity groups and the corresponding tables on examples of representative commodities for inclusion in the *Classification of Food and Feed* and the *Principles and Guidance on the Selection of Representative Commodities for the Extrapolation of Maximum Residue Limits for Pesticides to Commodity Groups* (CXG 84-2012) respectively.⁴
3. With regard to the revision of Class C: Primary Animal Feed Commodities and Class D: Processed Food Commodities of Plant Origin, CCPR considered the following.
4. CCPR50 (2018) agreed⁵ to:
 - (i) align the structure of Class C 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); and
 - (ii) group all feed commodities under Class C and consequently transfer processed feed commodities from Class D (Processed Food Commodities of Plant Origin) to Class C (Primary Animal Feed Commodities).

¹ <http://www.fao.org/fao-who-codexalimentarius/resources/circular-letters/en/>

² <http://www.fao.org/fao-who-codexalimentarius/committees/committee/related-circular-letters/en/?committee=CCPR>

³ 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/>

⁴ ALINORM 10/33/24, para. 96, ALINORM 07/30/24 para. 150

⁵ REP18/PR, paras. 122-124

5. CCPR51 (2019) agreed⁶ to:
- (i) *rename the Group of Grasses to Group of Grasses for Feed*, to facilitate residue extrapolation;
 - (ii) *not to further separate the group of grasses into subgroups for “cool season” and “warm season” grasses*, to avoid introducing unnecessary complexity to the classification of this group and thus prevent the establishment of group MRLs
 - (iii) *to move silage commodities from Subgroups 50C/51C to 50A/51A*, as while silage was classified as a processed commodity, it would be more appropriate to classify the silage commodities in the group with high water content since silage was a commodity with a high water content.
 - (iv) work further on the allocation of additional commodities in Class C and
 - (v) *further look into the issue of “fodder” in Class C based on a paper to be prepared by Japan*, as there would be a possible impact of removing the term “fodder”, since it could affect existing CXLs for this commodity and it was not clear on which basis the individual CXLs for “fodder” were set e.g. on trials for hay or for straw.
6. CCPR51 further agreed⁷ to re-establish the Electronic Working Group (EWG) on the revision of the Classification, chaired by the United States of America (USA), and co-chaired by the Netherlands, with the following Terms of Reference (TOR):
- (i) to continue the work on the revision of Class C, Animal Feed Commodities taking into account the decisions made in regard to this Class;
 - (ii) to continue the work on the revision of Class D, Processed Food Commodities;
 - (iii) to continue the work on transferring commodities from Class D to Class C, taking into account the agreed working principle; and
 - (iv) to create tables with representative crops for Class C and D.

Structure of Class C

7. The EWG considered Class C which includes one Type and three Groups as agreed by CCPR50:
- Class C
 - Type 11
 - Group 50, Legume feed products
 - Group 51, Cereal grains (including pseudocereals) and grass feed products
 - Group 52, Miscellaneous feed products

Allocating commodities to the different groups and sub-groups

8. 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 included a commodity only in one group or subgroup to avoid confusion of having two different CXLs for the same commodity in accordance with the approach⁸ taken to the revision of the Classification by CCPR49 (2017).

Transferring of commodities from Class D to Class C

9. In addition, the transfer of commodities from Class D to Class C was done in accordance with the principle⁹ agreed at CCPR51 that a commodity used as food cannot be included in the group feed and that even 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 remain or be included in processed food and not classified as a feed commodity.

Fresh/Processed feed

10. CCPR38 (2006) agreed¹⁰ that (fresh/green) forage commodities, although not typically traded internationally, would be 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.

⁶ REP19/PR, paras. 149-150

⁷ REP19/PR, para. 179

⁸ REP17/PR, para. 112

⁹ REP19/PR, para. 152

¹⁰ ALINORM 06/29/24, paras. 25 & 52

11. In considering the revision of Class C, CCPR51 noted that there would be a possible impact of removing the term “fodder”, as it could affect existing CXLs for this commodity. It was not clear on which basis the individual CXLs for fodder were set e.g. on trials for hay or for straw. CCPR further noted the kind offer of Japan to investigate the basis on which the CXLs for fodder and related feed are set. The Committee further agreed to look into the issue of “fodder” in Class C based on a paper to be prepared by Japan which should be made available to assist the discussion in the EWG and in CCPR52. The document on “fodder” as prepared by Japan is included in Agenda Item 7(d).

Revision of Class C: Primary Feed Commodities

12. The revised Class C, as presented in Appendix I, takes into account the decisions made at CCPR50 and CCPR51. It is based on CRD30 presented at CCPR51 which includes comments submitted at the last session of CCPR on Class C. The CRD was further improved with the comments provided by the EWG members during various rounds of consultation within the EWG during 2019-2021 as well as comments submitted by Codex members and observers on an interim report prepared by the EWG in 2020 (CX/PR 20/52/6) through a circular letter CL 2020/10-PR in view of the additional time available due to the postponement of CCPR52 from 2020 to 2021 because of the COVID19 pandemic. Working documents issued during 2020, which has been revised or updated in 2021 for consideration by CCPR52, can be found on the Codex website¹¹.
13. The revised Class C address both fresh feed (i.e. forage (fresh/green)), dry feed (i.e. “hay”, “straw”, “silage”) and processed feed (e.g. meals, hulls, pulps, etc.)

DISCUSSION

14. Besides the revised structure, new animal feed commodities developed within the EWG and also transferred from Class D to Class C were included in the revised Class C.
15. Fresh/green forage commodities were retained in the revised Class C (see paragraph 10 above). In addition, commodities previously identified as “fodder” have been revised to include more specific terms for animal feeds, such as “hay”, “straw” and “silage”.
16. The replacement of the term “fodder” with these terms should be considered in the framework of the impact of the revised Type 11 in Class C on CXLs for feed commodities currently available which refer to “fodder” taking into consideration the data/information provided in the document on “fodder” prepared by Japan under Agenda Item 7(d).
17. The use of the letter code AF for all silage commodities was proposed by EU and Germany. However a consistent letter code was adopted for each group.
18. New Zealand supported the use of more specific terminology for “fodder”.
19. Canada supported the inclusion of “meals from various crops/oilseeds” in Class C.
20. A suggestion was to continue the discussion regarding processed commodities as food or feed beyond the definition of primary processed commodities. Since it was uncertain that such a discussion would reach a clear conclusion relative to setting MRLs, it is suggested to not wait on such a discussion and go on with the review of the Classification.

CONCLUSIONS

21. The revised Class C includes a revised structure as agreed by CCPR50 and CCPR51.
22. 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 arising from proposals from the EWG members or the relocation of commodities from Class D to Class C.
23. 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 and CCPR51 on the transferring of commodities from Class D to Class C.
24. Commodities previously identified as “fodder” have been revised to include more specific terms for animal feeds. The impact of this revision should be considered in the framework of Agenda Item 7(d).

¹¹ <http://www.fao.org/fao-who-codexalimentarius/meetings/detail/en/?meeting=CCPR&session=52>

25. Agenda Item 7(d) includes the document prepared by Japan on “fodder” that provides useful background information on the use of the term “fodder” for the establishment of MRLs for pesticides for feed commodities and describes available data and what MRL could be recommended if the term “fodder” is removed from the Classification of Food and Feed.

Note: The codes in the document on “fodder” in Agenda Item 7(d) may not match the codes in Appendix I to this agenda item document because of the revisions made with the addition of new commodities and the relocation of commodities from Class D to Class C and because of replacement of the term “fodder” by more appropriate terms to describe feed commodities such as “hay”, “straw”, “silage”. In addition, the document on “fodder” refers to CXLs as currently stand in the Codex database for MRLs for pesticides in food and feed which relates to the commodities as presently listed in Class C and Class D of the Classification (i.e. without the revisions made by the EWG as presented in Appendix I to this document).

RECOMMENDATIONS

26. CCPR is invited to consider the revised Class C (Appendix I) taking into account: (i) the decisions made by CCPR50 and CCPR51 in relation to the structure; (ii) the approach to the revision of this Class; (iii) the conclusions of the EWG; (iv) the revisions and issues raised under Agenda Items 7(b/c); (v) the impact of the revision of Class C on the CXLs for feed (Agenda Item 7(d)); and (vi) the comments submitted in reply to CL 2021/37/OCS-PR.

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)	AS
		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)	AM
		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 analyzed): **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 analyzed 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 PRODUCTSAL 0157 **Group of Legume animal feeds****Subgroup 050A, Products of legume feeds with high water (≥20%) content (forage and silage)**

Code No.	Commodity
AL 3300	Subgroup of Products of legume feeds with high water (≥20%) content (forage and silage) (includes all commodities in this subgroup)
AL 1021	Alfalfa, forage <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 3493	Alfalfa, silage <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 1030	Bean, forage <i>Phaseolus</i> spp.
AL 3494	Bean, forage <i>Vigna</i> spp.
-	Bean, Adzuki, forage, see Bean, forage, AL 3494 <i>Vigna angularis</i> (Willd.) Ohwi & H. Ohashi var. <i>angularis</i>
AL 3495	Berlandier acacia, forage <i>Senegalia berlandieri</i> (Benth.) Britton & Rose
AL 3496	Black medic, forage <i>Medicago lupulina</i> L.
AL 3497	Black wattle, forage <i>Acacia mearnsii</i> DeWild.
AL 3498	Brazilian stylo, forage <i>Stylosanthes guianensis</i> (Aubl.) Sw. <i>Stylosanthes hamata</i> (L.) Taub.
AL 3499	Burclover, forage <i>Medicago</i> spp.; Burclover, California, <i>Medicago polymorpha</i> L.; Burclover, spotted, <i>Medicago arabica</i> (L.) Huds.
-	Chickling vetch, forage, see Vetch, forage, AL 1029
AL 3500	Chick-pea, forage <i>Cicer arietinum</i> L.
AL 1023	Clover, forage <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.) deWit
- AL 3507 **Leucaena, silage**
Leucaena leucocephala (Lam.) deWit
- 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 3508 **Pea, silage**
Pisum spp.
- AL 0528 **Pea, vines (green)**
Pisum spp.
- AL 1270 **Peanut, forage (green)**
Arachis hypogaea L.
- AL 0537 **Pea, pigeon, forage**
Cajanus cajan (L.) Huth
- **Puero, forage** see Kudzu, forage, AL 1024
Pueraria phaseoloides (Roxb.) Benth.
- AL 3509 **Purple prairie clover, forage**
Dalea purpurea Vent.
- AL 3510 **Roundleaf cassia, forage**
Chamaecrista rotundifolia (Pers.) Greene

- AL 1027 **Sainfoin, forage**
Onobrychis viciifolia Scop.;
syn: *O. sativa* Lamk.
- AL 3511 **Sainfoin, silage**
Onobrychis viciifolia Scop.
- **Sericea, forage**, see Lespedeza, forage, AL 1025
- AL 3512 **Sesbania, forage**
Sesbania exaltata (Raf.) Rydb.
- AL 1265 **Soya bean, forage**
Glycine max (L.) Merr;
- AL 3513 **Soya bean, silage**
Glycine max (L.) Merr;
- AL 3514 **Thorn mimosa, forage**
Vachellia nilotica (L.) P. J. H. Hurter & Mabb. subsp. *Nilotica*
- AL 1028 **Trefoil, forage**
Lotus spp.; Trefoil, big, *Lotus uliginosus* Schkuhr; Trefoil, birdsfoot, *Lotus corniculatus*, L.;
Trefoil, narrowleaf, *Lotus tenuis* Waldst. & Kit. ex Willd.; Bigleaf trefoil, *Lotus uliginosus*
Schkuhr
- **Tropical kudzu**, see Kudzu, forage, AL 1024
- **Vetch, Chickling, forage**, see Vetch, forage, AL 1029
Lathyrus sativus L.
- **Vetch, Chickling, silage**, see Vetch, silage, AL 3515
Lathyrus sativus L.
- **Vetch, Crown, forage**, see Vetch, forage, AL 1029
Coronilla varia L.
- **Vetch, Crown, silage**, see Vetch, silage, AL 3515
Coronilla varia L.
- AL 1029 **Vetch, forage**
Vicia spp.; Vetch, bard, *Vicia monantha* Retz. Vetch, common, *Vicia sativa* L. spp. *sativa*;
Vetch, crown, *Securigera varia* (L.) Lassen; Vetch, hairy, *Vicia villosa* Roth ssp. *villosa*; Vetch,
Hungarian, *Vicia pannonica* Crantz; Vetch, kidney, *Anthyllis vulneraria* L.; Vetch, milk,
Astragalus cicer L.; Vetch, monantha, *Vicia articulata* Hornem.; Vetch, narrowleaf, *Vicia*
sativa ssp. *nigra* (L.) Ehrh.; Vetch, purple, *Vicia benghalensis* L.
- **Vetch, Milk, forage**, see Vetch, forage, AL 1029
Astragalus spp.
- **Vetch, Milk, silage**, see Vetch, silage, AL 3515
Astragalus spp.
- AL 3515 **Vetch, silage**
Vicia spp.; Vetch, bard, *Vicia monantha* Retz. Vetch, common, *Vicia sativa* L. spp. *sativa*;
Vetch, crown, *Securigera varia* (L.) Lassen; Vetch, hairy, *Vicia villosa* Roth ssp. *villosa*; Vetch,
Hungarian, *Vicia pannonica* Crantz; Vetch, kidney, *Anthyllis vulneraria* L.; Vetch, milk,
Astragalus cicer L.; Vetch, monantha, *Vicia articulata* Hornem.; Vetch, narrowleaf, *Vicia*
sativa ssp. *nigra* (L.) Ehrh.; Vetch, purple, *Vicia benghalensis* L.

Subgroup 050B, Products of legume feeds with low water (<20%) content (hay)

<u>Code No.</u>	<u>Commodity</u>
AL 3301	Subgroup of Products of legume feeds with low water (<20%) content (hay) (includes all commodities in this subgroup)
AL 1020	Alfalfa, hay and/or straw <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 0061	Bean, hay and/or straw <i>Phaseolus</i> spp.
AL 3516	Bean, hay and/or straw <i>Vigna</i> spp.
-	Bean, Adzuki, hay and/or straw , see Bean, hay and/or straw, AL 3516 <i>Vigna angularis</i> (Willd.) Ohwi & H. Ohashi var. <i>angularis</i>
-	Bean, Broad, hay and/or straw , See Bean, hay and/or straw, AL 0061 <i>Vicia faba</i> L. subsp. <i>faba</i> var. <i>faba</i>
-	Bean, goa, hay and/or straw , See Bean, hay and/or straw, AL 0061 <i>Psophocarpus tetragonolobus</i> (L.) DC.
-	Bean, lablab, hay and/or straw , See Bean, hay and/or straw, AL 0061 <i>Lablab purpureus</i> (L.) Sweet ssp. <i>purpureus</i>
-	Bean, mung, hay and/or straw , See Bean, hay and/or straw, AL 3516 <i>Vigna radiata</i> (L.) Wilczek var. <i>radiata</i>
-	Bean, rice, hay and/or straw , See Bean, hay and/or straw, AL 3516 <i>Vigna umbellata</i> (Thunb.) Ohwi & H. Ohashi
-	Bean, runner, hay and/or straw , See Bean, hay and/or straw, AL 0061 <i>Phaseolus coccineus</i> L.
-	Bean, tepary, hay and/or straw , See Bean, hay and/or AL 0061 <i>Phaseolus acutifolius</i> A. Gray var. <i>acutifolius</i>
-	Bean, urd, hay and/or straw , See Bean, hay and/or straw, AL 3516 <i>Vigna mungo</i> (L.) Hepper var. <i>mungo</i>
-	Bean, yardlong, hay and/or straw , See Bean, hay and/or AL 3516 <i>Vigna unguiculata</i> (L.) Walp. subsp. <i>unguiculata</i> group <i>sesquipedalis</i>
AL 1022	Bean, velvet, hay and/or straw <i>Mucuna pruriens</i> (L.) DC. var. <i>utilis</i> (Wall. ex Wight) Baker ex Burck
AL 3517	Brazilian stylo, hay and/or straw <i>Stylosanthes guianensis</i> (Aubl.) Sw. <i>Stylosanthes hamata</i> (L.) Taub.
-	Catjang, hay and/or straw , See Bean, hay and/or straw, AL 3516 <i>Vigna unguiculata</i> (L.) Walp. subsp. <i>unguiculata</i> group <i>biflora</i>
AL 3518	Centurion, hay and/or straw <i>Centrosema pascuorum</i> Murt. Ex Benth.
AL 0524	Chick-pea, hay and/or straw <i>Cicer arietinum</i> L.
AL 1031	Clover, hay and/or straw <i>Trifolium</i> spp. and <i>Melilotus</i> spp.
-	Cowpea, hay and/or straw , see Bean, hay and/or straw, AL 3516 <i>Vigna unguiculata</i> (L.) Walp.

- AL 3519 **Crotalaria, hay and/or straw**
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 4425 **Guar, hay and/or straw**
Cyamopsis tetragonoloba (L.) Taub.
- AL 0562 **Horse gram, hay and/or straw**
Macrotyloma uniflorum (Lam.) Verde.
- AL 0532 **Jack bean, hay and/or straw**
Canavalia ensiformis (L.) DC.
- AL 3520 **Lespedeza, hay and/or straw**
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 3521 **Leucaena, hay and/or straw**
Leucaena leucocephala (Lam.) deWit
- AL 0072 **Pea, hay and/or straw**
Pisum spp.
- **Pea, pigeon, hay and/or straw**, see Pea, hay and/or straw, AL 0072
Cajanus cajan (L.) Huth
- **Pea, southern, hay and/or straw**, see Bean, hay and/or straw, AL 3516
Vigna unguiculata (L.) Walp. subsp. *unguiculata* group *unguiculata*
- AL 0697 **Peanut, hay and/or straw**
Arachis hypogaea L.
- AL 3522 **Perennial peanut, hay and/or straw**
Arachis glabrata Benth. var. *glabrata*; Pinto peanut, *Arachis pintoii* Krapov. & W.C. Greg
- AL 3523 **Purple prairie-clover, hay and/or straw**
Dalea purpurea Vent.
- AL 3524 **Sainfoin, hay and/or straw**
Onobrychis viciifolia Scop.
- AL 0541 **Soya bean, hay and/or straw**
Glycine max (L.) Merr;
- AL 3525 **Trefoil, hay and/or straw**
Lotus spp.; Trefoil, big, *Lotus uliginosus* Schkuhr; Trefoil, birdsfoot, *Lotus corniculatus*, L.; Trefoil, narrowleaf, *Lotus tenuis* Waldst. & Kit. ex Willd.; Bigleaf trefoil, *Lotus uliginosus* Schkuhr
- **Velvet bean, hay and/or straw**, see Bean, Velvet, hay and/or straw, AL 1022
Mucuna pruriens (L.) DC. var. *utilis* (Wall. ex Wight) Baker ex Burck
- AL 3526 **Vetch, hay and/or straw**
Vicia spp.; Vetch, bard, *Vicia monantha* Retz. Vetch, common, *Vicia sativa* L. spp. *sativa*; Vetch, crown, *Securigera varia* (L.) Lassen; Vetch, hairy, *Vicia villosa* Roth ssp. *villosa*; Vetch, Hungarian, *Vicia pannonica* Crantz; Vetch, kidney, *Anthyllis vulneraria* L.; Vetch, milk, *Astragalus cicer* L.; Vetch, monantha, *Vicia articulata* Hornem.; Vetch, narrowleaf, *Vicia sativa* ssp. *nigra* (L.) Ehrh.; Vetch, purple, *Vicia benghalensis* L.
- **Vetch, Chickling, hay and/or straw**, see Vetch, hay and/or straw, AL 3526
Lathyrus sativus L.
- **Vetch, Crown, hay and/or straw**, see Vetch, hay and/or straw, AL 3526
Coronilla varia L.
- **Vetch, Milk, hay and/or straw**, see Vetch, hay and/or straw, AL 3526
Astragalus spp.

Subgroup 050C Processed products of legume feeds (such as meal, hulls)

<u>Code No.</u>	<u>Commodity</u>
AL 3302	Subgroup of Processed products of legume feeds (like meal, hulls) (includes all commodities in this subgroup)
AL 3527	Alfalfa, cubes <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 3528	Alfalfa, meal <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 3529	Leucaena, leaf meal <i>Leucaena leucocephala</i> (Lam.) de Wit
AL 3530	Lupin, meal <i>Lupinus</i> spp., varieties and cultivars
AL 3531	Pea, hulls <i>Pisum</i> spp.
AL 3532	Pea, meal <i>Pisum</i> spp.
AL 3533	Soya bean, hulls <i>Glycine max</i> (L.) Merr;
AL 3534	Soya bean, meal <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 (forage, straws and hay)

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)	AS
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)**

Code No.	Commodity
AS 3303	Subgroup of Cereal grains (including pseudocereals) feed products with high water (≥20%) content (forage and silage) (Includes all commodities in this subgroup) (see Group 020 Cereal grains (code GC 0080) for commodities included in cereal grains)
AS 0460	Amaranth, forage <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 3535	Barley, forage <i>Hordeum vulgare</i> L. subsp. <i>Vulgare</i>
AS 3536	Barley, silage <i>Hordeum vulgare</i> L. subsp. <i>vulgare</i>
AS 3537	Buckwheat, forage <i>Fagopyrum esculentum</i> Moench
AS 3538	Canarygrass, annual, forage <i>Phalaris canariensis</i> L.
-	Corn, forage , see Maize forage, AS 0645
-	Corn, silage , See Maize silage, AS 3539 <i>Zea mays</i> L.
-	Field corn, forage , see Maize forage, AS 0645
-	Field corn, silage , See Maize silage, AS 3539 <i>Zea mays</i> L.
AS 0643	Hungry rice, forage <i>Digitaria iburua</i> Stapf; Fonio, white, <i>Digitaria exilis</i> (Kippist) Stapf
AS 0645	Maize, forage <i>Zea mays</i> L.
AS 3539	Maize, silage <i>Zea mays</i> L.
AS 3540	Millet, forage 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 0647	Oat, forage (green) <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	Oat, silage <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 3542	Rice, forage <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	Rice, silage <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	Rye, forage <i>Secale cereale</i> L.
AS 3544	Rye, silage <i>Secale cereale</i> L.
AS 0651	Sorghum, forage (green) <i>Sorghum bicolor</i> (L.) Moench; other <i>Sorghum</i> spp.
AS 3545	Sorghum, silage <i>Sorghum bicolor</i> (L.) Moench; other <i>Sorghum</i> spp.
AS 0447	Sweet corn, forage <i>Zea mays</i> L. subsp. <i>mays</i>
AS 0653	Triticale, forage x <i>Triticosecale</i> sp.
AS 3546	Triticale, silage x <i>Triticosecale</i> sp.
AS 3547	Wheat, forage <i>Triticum aestivum</i> L. subsp. <i>aestivum</i>
AS 3548	Wheat, silage <i>Triticum aestivum</i> L. subsp. <i>aestivum</i>

Subgroup 051B Cereal grains (including pseudocereals) feed products with low water (<20%) content (hay, straw)

Code No.	Commodity
AS 3304	Subgroup of Cereal grains (including pseudocereals) feed products with low water (<20%) content (hay and/or straw) (includes all commodities in this subgroup)
AS 0081	Straw and hay of cereal grains (see Group 020 Cereal grains (code GC 0081) for commodities included in cereal grains except pseudocereals)
AS 0080	Straw and hay of cereal grains (including pseudocereals) (see Group 020 Cereal grains (code GC 0080) for commodities included in cereal grains)
AS 3549	Amaranth, hay and/or straw <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 0640	Barley, hay and/or straw <i>Hordeum vulgare</i> L. subsp. <i>vulgare</i>
AS 0641	Buckwheat, hay and/or straw <i>Fagopyrum esculentum</i> Moench; Buckwheat, Tartary, <i>Fagopyrum tataricum</i> (L.) Gaertn.
AS 3550	Canarygrass, annual, hay and/or straw <i>Phalaris canariensis</i> L.
-	Corn, hay and/or straw , see Maize hay and/or straw, AS 3552
-	Field corn, hay and/or straw , see Maize hay and/or straw, AS 3552
-	Field corn, stover , see Maize stover, AS 3553 <i>Zea mays</i> L.
AS 3551	Hungry rice, hay and/or straw <i>Digitaria iburua</i> Stapf; Fonio, white, <i>Digitaria exilis</i> (Kippist) Stapf
AS 3552	Maize, hay and/or straw <i>Zea mays</i> L.
AS 3553	Maize, stover <i>Zea mays</i> L.
AS 0646	Millet, hay and/or straw 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 3554	Oat, hay and/or straw <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	Pop corn, stover <i>Zea mays</i> L. subsp. <i>mays</i>
AS 0649	Rice, hay and/or straw <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 3555	Rye, hay and/or straw <i>Secale cereale</i> L.
AS 3556	Sorghum, stover <i>Sorghum bicolor</i> (L.) Moench; other <i>Sorghum</i> spp.
AS 3557	Sorghum, hay and/or straw <i>Sorghum bicolor</i> (L.) Moench; other <i>Sorghum</i> spp.

AS 3558	Sweet corn, stover <i>Zea mays</i> L. subsp. <i>mays</i>
AS 0652	Teff, hay and/or straw <i>Eragrostis tef</i> (Zuccagni) Trotter
AS 0657	Teosinte, hay and/or straw <i>Zea mays</i> ssp. <i>mexicana</i> (Schrad.) H. H. Iltis;
AS 0653	Triticale, hay and/or straw x <i>Triticosecale</i> sp.
AS 0654	Wheat, hay and/or straw <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	Subgroup of Cereal grains (including pseudocereals) processed products (such as bran, hulls) (Includes all commodities in this subgroup) (see Group 020 Cereal grains (code GC 0080) for commodities included in cereal grains)
AS 3559	Dried distiller's grain from Barley <i>Hordeum vulgare</i> L. subsp. <i>vulgare</i>
AS 3560	Dried distiller's grain from Maize <i>Zea mays</i> L.
AS 3561	Dried distiller's grain from Rye <i>Secale cereale</i> L.
AS 3562	Dried distiller's grain from Sorghum <i>Sorghum bicolor</i> (L.) Moench; other <i>Sorghum</i> spp.
AS 3563	Dried distiller's grain from Wheat <i>Triticum</i> spp.
AS 3564	Maize, bran <i>Zea mays</i> L.
AS 3565	Rice, hulls <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 3566	Timothy, cubes <i>Phleum</i> spp.

Subgroup 051D, Grasses for animal feed

<u>Code No.</u>	<u>Commodity</u>
AS 3306	Subgroup of Forage, hay and/or straw and silage from grasses used for animal feed (Includes all commodities (grasses in the Poaceae (Gramineae) family in this subgroup, except for commodities in Group 020, Code GC 0080)
AS 0162	Hay and/or straw of grasses for animal feed , includes all hay of species of grasses in the Poaceae (alt.Gramineae) family in this subgroup (except for commodities in Group 020, Code GC 0080)
AS 0163	Forage of grasses, includes all forage of species of grasses for animal feed in the Poaceae (alt.Gramineae) family in this subgroup (except for commodities in Group 020, Code GC 0080)
AS 0164	Silage of grasses, include all silage of species of grasses for animal feed in the Poaceae (alt.Gramineae) family in this subgroup (except for commodities in Group 020, Code GC 0080)

Specific grass codes include:

AS 5241	Bermuda grass, hay and/or straw <i>Cynodon dactylon</i> (L.) Pers.
AS 5243	Bluegrass, hay and/or straw <i>Poa</i> spp.
AS 5245	Brome grass, hay and/or straw <i>Bromus</i> spp.
AS 5251	Darnel, hay and/or straw <i>Lolium</i> spp.
AS 5253	Fescue, hay and/or straw <i>Festuca</i> spp.

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

AM 0165 **Group of miscellaneous feed products except leguminous and grass plants (*Poaceae*), but including grasses for sugar production (Includes all commodities in this group)**

This Group is divided into 3 subgroups:

	Code
Subgroup 052A: Miscellaneous feed products with high water ($\geq 20\%$) content (forage, beet tops)	AM
Subgroup 052B: Miscellaneous feed products with low water ($< 20\%$) content (hay)	AM
Subgroup 052C: Miscellaneous processed feed 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 3307	Subgroup of Miscellaneous Feed Products with high water ($\geq 20\%$) content (forage, beet tops) (Includes all commodities in this subgroup)
AM 3567	Arrowleaf balsamroot, forage <i>Balsamorhiza sagittata</i> (Pursh) Nutt.
-	Beet, leaves or tops, forage, see Chard, VL 0464 (the same MRL applies as the food commodity) <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
-	Carrot, culls, see Carrot, VR 0577 (the same MRL applies as the food commodity) <i>Daucus carota</i> L.
AM 1050	Cow cabbage, leaves <i>Brassica oleracea</i> L. var. <i>viridis</i> L.
AM 3568	Fodder beet, leaves or tops <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
AM 1051	Fodder beet, roots <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
-	Kale, forage, see Kale, VL 0480 (the same MRL applies as the food commodity) <i>Brassica oleracea</i> L. var. <i>viridis</i> L.
AM 3569	Kenaf, forage <i>Hibiscus cannabinus</i> L.
AM 1052	Marrow-stem cabbage or Marrow-stem kale, leaves and stems <i>Brassica oleracea</i> L. var. <i>medullosa</i> Thell.
-	Mangel or Mangold, see Fodder beet, roots, AM 1051
-	Mangoldwurzel, see Fodder beet, roots AM 1051

AM 0353	Pineapple, forage <i>Ananas comosus</i> (L.) Merr.
-	Potato, culls , see Potato, VR 0589 (the same MRL applies as the food commodity) <i>Solanum tuberosum</i> L.
AM 0495	Rape seed, forage <i>Brassica napus</i> L.
AM 3570	Spiny hopsage, forage <i>Grayia spinosa</i> (Hook.) Moq.
AM 0596	Sugar beet, leaves or tops <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
AM 0659	Sugar cane, forage or tops <i>Saccharum officinarum</i> L.
AM 0497	Swedish turnip or Swede, leaves or tops; <i>Brassica napus</i> L. subsp. <i>rapifera</i> Metzg.
-	Swedish turnip or Swede, roots see VR 0497 Swede (the same MRL applies as the food commodity) <i>Brassica napus</i> L. subsp. <i>rapifera</i> Metzg.
AM 3571	Taper-tip hawk's-beard, forage <i>Crepis acuminata</i> Nutt.
AM 3572	Threadleaf sedge, forage <i>Carex filifolia</i> Nutt.
AM 0506	Turnip, fodder <i>Brassica rapa</i> L. subsp. <i>rapa</i>
-	Turnip, leaves or tops , see Turnip greens, VL 0506 (the same MRL applies as the food commodity) <i>Brassica rapa</i> L. subsp. <i>rapa</i>

Subgroup 052B: Miscellaneous feed products with low water (<20%) content (hay, straw)

AM 3308	Subgroup of Miscellaneous Feed Products with low water (<20%) content (hay and/or straw) (includes all commodities in this subgroup)
AM 3573	Arrowleaf balsamroot, hay and/or straw <i>Balsamorhiza sagittata</i> (Pursh) Nutt.
AM 0691	Cotton hay and/or straw <i>Gossypium</i> spp.
AM 3574	Kenaf, hay and/or straw <i>Hibiscus cannabinus</i> L.
AM 0738	Mint, hay and/or straw <i>Mentha</i> spp.
AM 3575	Rape seed, hay and/or straw <i>Brassica napus</i> L.
AM 3576	Sugar cane, hay and/or straw <i>Saccharum officinarum</i> L.

Subgroup 052C: Miscellaneous Processed feed products (such as meal, hulls, dried pulp)

AM 3309	Subgroup of Miscellaneous Processed feed products (such as meal, hulls, dried pulps) (includes all commodities in this subgroup)
AM 0660	Almond, hulls <i>Prunus dulcis</i> (Mill.) D.A. Webb
-	Canola, meal , see AM 3591 Rape seed, meal <i>Brassica</i> spp.
AM 3577	Cotton gin trash <i>Gossypium</i> spp.
-	Cotton gin , see AM 3577 Cotton gin trash <i>Gossypium</i> spp.
AM 3578	Cotton seed, hulls <i>Gossypium</i> spp.
AM 3579	Cotton seed, meal <i>Gossypium</i> spp.
AM 3580	Cucurbita seed, meal Cucurbitaceae
AM 3141	Gold of pleasure seed, meal <i>Camelina sativa</i> (L.) Crantz
AM 3154	Hemp seed, meal <i>Cannabis sativa</i> L.
AM 0693	Linseed, meal <i>Linum usitatissimum</i> L.
AM 0696	Palm kernel, meal <i>Elaeis guineensis</i> Jacq.
AM 0697	Peanut meal <i>Arachis hypogaea</i> L.
AM 3584	Pineapple, process residue <i>Ananas comosus</i> (L.) Merr.
-	Pineapple, process waste , see AM 3584 Pineapple, process residue <i>Ananas comosus</i> (L.) Merr.
AM 0698	Poppy seed, meal <i>Papaver somniferum</i> L.
AM 3585	Potato, process residue, dehydrated <i>Solanum tuberosum</i> L. ssp. <i>Tuberosum</i>
AM 3586	Potato, process residue, heat-treated, wet <i>Solanum tuberosum</i> L. ssp. <i>tuberosum</i>
AM 3587	Potato, process residue, raw <i>Solanum tuberosum</i> L. ssp. <i>tuberosum</i>
AM 3588	Potato, process residue, wet <i>Solanum tuberosum</i> L. ssp. <i>tuberosum</i>
-	Potato, process waste , see Potato, process residue

AM 3589	Potato, waste meal, dried <i>Solanum tuberosum</i> L. ssp. <i>tuberosum</i>
AM 3590	Rape seed, hulls <i>Brassica</i> spp.
AM 3591	Rape seed, meal <i>Brassica</i> spp.
AM 0699	Safflower seed, meal <i>Carthamus tinctorius</i> L.
AM 0700	Sesame seed, meal <i>Sesamum indicum</i> L.
AM 3592	Sugar beet, pulp, dry <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
AM 1201	Sugar beet, pulp, wet <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
AM 3593	Sugar cane bagasse <i>Saccharum officinarum</i> L.
AM 0702	Sunflower seed, meal <i>Helianthus annuus</i> L.
AM 3594	Sweet corn cannery waste <i>Zea mays</i> L., several cultivars, not including popcorn
AM 3595	Vegetable, process residue, wet

APPENDIX II

LIST OF PARTICIPANTS¹²
(The List applies to Agenda Items 7a/b/c/d)

Country	Name
USA	<i>Bill Barney (Chair)</i>
Netherlands	<i>Dorin Poelmans (Co-Chair)</i>
Australia	James Oliver Deller
Australia	Sameer Tiwari
Belgium	Marc Leguen de Lacroix
Belgium	Maria Tabernero
Belgium	Wibke Meyer
Chile	Eduardo Aylwin
Chile	Roxana Ines Vera Muaoz
Canada	Jennifer Selwyn
China	CCPR Secretariat
China	Fengmao Liu
Costa Rica	Amanda Lasso Cruz
Costa Rica	Tatiana Vasquez Morera
Costa Rica	Veronica Picado Pomar
Ecuador	Maria Cecilia Perez Olaya
Egypt	Mariam Barsoum Onsy
Europe	European Union
European Union	Volker Wachtler
France	Florence gerault
France	Laura Gelezuinas
Germany	Cordelia Kraft
Germany	Karsten Hohgardt
Germany	Referat 313
Ghana	Dr Matthew K Essilfie
Guatemala	Karen Aracely Gatica Solares
Iran	Roya Noorbakhsh
Japan	Codex Japan
Japan	Hidetaka Kobayashi
Kazakhstan	Razzaryonov Alexandr
Mexico	Tania Daniela Fosado Soriano
New Zealand	Warren Hughes
Norway	Ingunn Haarstad Gudmundsdottir
Norway	Norwegian Codex Contact Point
Peru	Juan Carlos Huiza Trujillo
Republic of Korea	Hwang Kiseon

¹² Please contact the focal point of the Member Country or Observer Organization for the details of the delegates. The list of Codex contact points for members and observers are available from the Codex website at: <http://www.fao.org/fao-who-codexalimentarius/about-codex/members/en/> <http://www.fao.org/fao-who-codexalimentarius/about-codex/observers/observers/obs-list/en/>

Country	Name
Republic of Korea	Park Yu-min
Sweden	Niklas Montell
Thailand	Chonnipa Pawasut
Thailand	Dawisa Paiboonsiri
Turkey	Ahmet Gacenga
Turkey	Sinan ARSLAN
United Kingdom	John Collins
United Kingdom	Niall O'Brien
United States of America	Aaron Niman
United States of America	Kenneth Lowery
United States of America	Marie Maratos
United States of America	Nancy Wilkins