

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

(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 feed groups under Type 11 (Appendices I and II) should do so as instructed in CL 2019/01-PR.

Circular letters are available on the Codex webpage/Circular Letters:

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

This document should be read in conjunction with relevant working documents and circular letters under Agenda Items 7(b) and 7(c).

BACKGROUND

1. Background on the discussion of the revision of the *Classification of Food and Feed* (CXM 4-1989) can be found in the reports of the 36th – 50th sessions of the Codex Committee on Pesticide Residues (CCPR) including relevant sessions of the Codex Alimentarius Commission (CAC) held from 2004 to 2018.¹
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.²
3. CCPR50 (2018) agreed 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). CCPR50 agreed that the structure based on water content would allow the allocation of different types of feeds e.g. forage, silage, etc. under the relevant groups and sub-groups. CCPR50 therefore agreed with the structure for Class C and that commodities to be included in the groups and subgroups under Type 11 would be further discussed in the Electronic Working Group (EWG) on the revision of the Classification for consideration at CCPR51.³
4. The EWG (i) continued the work on the revision of Class C based on the structure⁴ agreed by CCPR50; (ii) considered the addition of new commodities to Class C; and (iii) considered the addition of subgroups to the groups of feed that would include processed commodities in order to group all feed commodities under Class C which may involve the relocation of commodities from Class D to Class C in accordance with the Terms of Reference (TOR) given to it by CCPR50.⁵

¹ 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/>

² ALINORM 10/33/24, para. 96, ALINORM 07/30/24 para. 150

³ REP18/PR, paras. 122-124

⁴ REP18/PR, Appendix X

⁵ REP18/PR, para. 129 (points i - iii)

5. 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 approach⁶ taken to the revision of the Classification by CCPR.
6. The EWG considered Class C which includes one Type and three Groups as follows:
 - Class C
 - Type 11
 - Group 50, Legume feed products
 - Group 51, Cereal grains and grasses (including pseudo-cereals) feed products
 - Group 52, Miscellaneous feed products

In addition to the revised structure, new animal feed commodities developed within the EWG are highlighted in Appendix I with new commodity codes.

7. CCPR agreed that 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. In addition, commodities previously identified as “fodder” have been revised to include more specific terms for animal feeds, such as “hay”, “straw” and “silage”.

CONCLUSIONS

8. The revised Class C includes a revised structure as agreed by CCPR50. The revised Type 11 includes an additional subgroup for processed products (such as meal, hulls, dried pulps, molasses), 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. Specific discussion on the transferring of commodities from Class D to Class C are described in Agenda Item 7(c). All proposed changes are in shaded font (see Appendix I).
9. Canada proposed separating out grasses from cereal grains because of the difficulty in identifying appropriate representative commodities. Grasses that are included in Group 51 include Italian ryegrass, ryegrass, and pangola with a cross reference to subgroup of hay of grasses for bermudagrass, fescue, bluegrass, brome grass and darnel. Grasses may also be appropriately separated into warm season and cool season grasses (see Appendix II for potential warm season and cool season grasses).

RECOMMENDATIONS

10. CCPR is invited to consider the revised Class C (Appendix I) taking into account the conclusions and recommendations in relation to the revision of Class D and the proposals for the transfer of processed commodities from Class D to Class C in the relevant working documents under Agenda Items 7(b) and 7(c) as well as comments submitted by Codex members and observers in reply to the corresponding circular letters.
11. In addition, CCPR is invited to consider comments on the separation of grasses from cereals grains (paragraph 9 and Appendix II) and how this proposal could be accommodated in the revised Class C.

⁶ REP17/PR, para. 112

APPENDIX I

**CLASS C – PRIMARY FEED COMMODITIES
TYPE 11 – PRIMARY FEED COMMODITIES OF PLANT ORIGIN**

Type	No.	Group	Group Letter Code
11	Primary feed commodities of plant origin		
	050	Legume feed products	
		Subgroup 050A: Products with high water content (forage)	AL
		Subgroup 050B: Products with low water content (hay)	AL
		Subgroup 050C: Processed products (such as silage, meal, hulls)	AL
	051	Cereal grains and grasses (including pseudocereals) feed products	
		Subgroup 051A: Cereal grain products with high water content (forage)	AF
		Subgroup 051B: Cereal grain products with low water content (hay, straw)	AS
		Subgroup 051C: Cereal grain processed products (such as silage, bran, hulls)	AS
		To create? Subgroup 051D: Grasses (see Appendix II)	
	052	Miscellaneous feed products	
		Subgroup 052A: Products with high water content (forage, beets, tops)	AV
		Subgroup 052B: Products with low water content (hay)	AM
		Subgroup 052C: processed products (such as meal, hulls, dried pulps, molasses)	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 content (forage)	AL
Subgroup 050B: Products of legume feeds with low water content (hay)	AL
Subgroup 050C: Processed products of legume feeds (such as silage, meal, hulls)	AL

Group 050 Legume feed productsAL 0157 **Group of Legume animal feeds**

Subgroup 050A, Products of legume feeds with high water content (forage)

<u>Code No.</u>	<u>Commodity</u>
AL 3300	Subgroup of Products of legume feeds with high water content (forage) (includes all commodities in this subgroup)
AL 1021	Alfalfa, forage <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 1030	Bean, forage <i>Phaseolus</i> spp.
AL 3350	Bean, forage <i>Vigna</i> spp.
AL 3351	Berlandier acacia, forage <i>Senegalia berlandieri</i> (Benth.) Britton & Rose
AL 3352	Black medic, forage <i>Medicago lupulina</i> L.
AL 3353	Black wattle, forage <i>Acacia mearnsii</i> DeWild.
AL 3354	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 0524	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, 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.; Spärrklöver, <i>Trifolium squarrosum</i> L.
AL 3355	Cowpea, forage <i>Vigna unguiculata</i> (L.) Walp.
-	Grass pea, forage , see Vetch, forage, AL 1029
AL 3356	Huisache, forage <i>Vachellia farnesiana</i> (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 3357 **Leadplant, forage**
Amorpha canescens Pursh
- 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 3358 **Leucaena, forage**
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 0528 **Pea, vines**
Pisum spp.
- AL 1270 **Peanut, forage**
Arachis hypogaea L.
- **Puero, forage** see Kudzu, forage, AL 1024
Pueraria phaseoloides (Roxb.) Benth.
- AL 3359 **Purple prairie clover, forage**
Dalea purpurea Vent.
- AL 3360 **Roundleaf cassia, forage**
Chamaecrista rotundifolia (Pers.) Greene
- AL 1027 **Sainfoin, forage**
Onobrychis viciifolia Scop.;
syn: *O. sativa* Lamk.
- **Sericea, forage**, see Lespedeza, forage, AL 1025
- AL 3361 **Sesbania, forage**
Sesbania exaltata (Raf.) Rydb.
- AL 1265 **Soya bean, forage**
Glycine max (L.) Merr;
- AL 3362 **Thorn mimosa, forage**
Vachellia nilotica (L.) P. J. H. Hurter & Mabb. subsp. *Nilotica*
- AL 3363 **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, forage**, see Kudzu, forage, AL 1024

AL 1029	Vetch, forage <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.
-	Vetch, Chickling, forage , see Vetch, forage, AL 1029 <i>Lathyrus sativus</i> L.
-	Vetch, Crown, forage , see Vetch, forage, AL 1029 <i>Coronilla varia</i> L.
-	Vetch, Milk, forage , see Vetch, forage, AL 1029 <i>Astragalus</i> spp.
Subgroup 050B, Products of legume feeds with low water content (hay)	
Code No.	Commodity
AL 3301	Subgroup of Products of legume feeds with low water content (hay) (includes all commodities in this subgroup)
AL 1020	Alfalfa, hay <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 0061	Bean, hay <i>Phaseolus</i> spp.
AL 3364	Bean, hay <i>Vigna</i> spp. Bean, Broad, hay , See Bean, hay AL 3363 <i>Vicia faba</i> L. subsp. <i>faba</i> var. <i>faba</i>
AL 3365	Bean, goa, hay , See Bean, hay AL0061 <i>Psophocarpus tetragonolobus</i> (L.) DC.
AL 3366	Bean, lablab, hay , See Bean, hay AL0061 <i>Lablab purpureus</i> (L.) Sweet ssp. <i>purpureus</i>
-	Bean, mung, hay , See Bean, hay AL 3363 <i>Vigna radiata</i> (L.) Wilczek var. <i>radiata</i>
-	Bean, rice, hay , See Bean, hay AL 3363 <i>Vigna umbellata</i> (Thunb.) Ohwi & H. Ohashi
-	Bean, runner, hay , See Bean, hay AL 0061 <i>Phaseolus coccineus</i> L.
-	Bean, tepary, hay , See Bean, hay AL 0061 <i>Phaseolus acutifolius</i> A. Gray var. <i>acutifolius</i>
-	Bean, urd, hay , See Bean, hay AL 3363 <i>Vigna mungo</i> (L.) Hepper var. <i>mungo</i>
-	Bean, yardlong, hay , See Bean, hay AL 3363 <i>Vigna unguiculata</i> (L.) Walp. subsp. <i>unguiculata</i> group <i>sesquipedalis</i>
AL 1022	Bean, velvet, hay <i>Mucuna pruriens</i> (L.) DC. var. <i>utilis</i> (Wall. ex Wight) Baker ex Burck Catjang, hay , See Bean, hay AL 3363 <i>Vigna unguiculata</i> (L.) Walp. subsp. <i>unguiculata</i> group <i>biflora</i>

- AL 3367 **Centurion, hay**
Centrosema pascuorum Murt. Ex Benth.
- AL 0524 **Chick-pea, hay**
Cicer arietinum L.
- AL 1031 **Clover, hay**
Trifolium spp. and *Melilotus* spp.
- AL 3368 **Cowpea, hay**
Vigna unguiculata (L.) Walp.
- AL 3369 **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 3370 **Guar, hay**
Cyamopsis tetragonoloba (L.) Taub.
- AL 3371 **Horse gram, hay**
Macrotyloma uniflorum (Lam.) Verde.
- AL 3372 **Jackbean, hay**
Canavalia ensiformis (L.) DC.
- AL 0072 **Pea, hay**
Pisum spp.
- AL 3373 **Pea, pigeon, hay**
Cajanus cajan (L.) Huth
- AL 3374 **Pea, southern, hay**
Vigna unguiculata (L.) Walp. subsp. *unguiculata* group *unguiculata*
- AL 0697 **Peanut, hay**
Arachis hypogaea L.
- AL 3375 **Perennial peanut, hay**
Arachis glabrata Benth. var. *glabrata*; Pinto peanut, *Arachis pintoii* Krapov. & W.C. Greg
- AL 3376 **Purple prairie-clover, hay**
Dalea purpurea Vent.
- AL 3377 **Sainfoin, hay**
Onobrychis viciifolia Scop.
- AL 0541 **Soya bean, hay**
Glycine max (L.) Merr;
- AL 1028 **Trefoil, hay**
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
- AL 3378 **Vetch, hay**
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.
- **Velvet bean, hay**, see Bean, Velvet, hay, AL 1022

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

Code No.	Commodity
AL 3302	Subgroup of Processed products of legume feeds (like silage, meal, hulls) (includes all commodities in this subgroup)
AL 3379	Alfalfa, cubes <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 3380	Alfalfa, meal <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 3381	Alfalfa, silage <i>Medicago sativa</i> L., subsp. <i>sativa</i> L.
AL 3382	Clover, silage <i>Trifolium</i> spp. and <i>Melilotus</i> spp.
AL 3383	Pea, hulls <i>Pisum</i> spp.
AL 3384	Pea, meal <i>Pisum</i> spp.
AL 3385	Pea, silage <i>Pisum</i> spp.
AL 3386	Sainfoin, silage <i>Onobrychis viciifolia</i> Scop.
AL 3387	Soya bean, hulls <i>Glycine max</i> (L.) Merr;
AL 3388	Soya bean, meal <i>Glycine max</i> (L.) Merr;
AL 3389	Soya bean, silage <i>Glycine max</i> (L.) Merr;

Group 051 Cereal grains and grasses (including pseudocereals) 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 and processed products are derived from various plants of the grass family (*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.

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.

Hay: Coarse feed for livestock animals, especially cattle, horses and sheep, such as straw, hay, maize, stalks (stover) etc. e.g. Maize forage: whole green plant, prior to maturity (including the immature or nearly mature cobs).

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

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

This group is divided into 3 subgroups:

	Code
Subgroup 051A: Cereal grains and grasses (including pseudocereals) feed products with high water content (forage)	AF
Subgroup 051B: Cereal grains and grasses (including pseudocereals) feed products with low water content (hay, straw)	AS
Subgroup 051C: Cereal grains and grasses (including pseudocereals) feed products processed products (such as silage, bran, hulls)	AS

Create: Subgroup 051D: Grasses? (see Appendix II)

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

Subgroup 051A, Cereal grains and grasses (including pseudocereals) feed products with high water content (forage)

Code No.	Commodity
AF 3303	Subgroup of Cereal grains and grasses (including pseudocereals) feed products with high water content (forage)
	Includes all commodities in this subgroup
AF 3490	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.
AF 3491	Barley, forage <i>Hordeum vulgare</i> L. subsp. <i>vulgare</i>
AF 3492	Buckwheat, forage <i>Fagopyrum esculentum</i> Moench
AF 3493	Canarygrass, annual, forage <i>Phalaris canariensis</i> L.
-	Corn, forage , see Maize forage, AS 0645
AF 3494	Hungry rice, forage <i>Digitaria iburua</i> Stapf; Fonio, white, <i>Digitaria exilis</i> (Kippist) Stapf
AF 0645	Maize, forage <i>Zea mays</i> L.
AF 3495	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.;
AF 0647	Oat, forage <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 3496	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.
AF 0650	Rye, forage <i>Secale cereale</i> L.
AF 3497	Ryegrass, Italian, forage <i>Lolium multiflorum</i> Lam.
AF 0651	Sorghum, forage <i>Sorghum bicolor</i> (L.) Moench; other <i>Sorghum</i> spp.
AF 3498	Sweet corn, forage <i>Zea mays</i> L. subsp. <i>mays</i>
AF 3499	Timothy, forage <i>Phleum</i> spp.
AF 3500	Triticale, forage x <i>Triticosecale</i> sp.
AF 3501	Wheat, forage <i>Triticum aestivum</i> L. subsp. <i>aestivum</i>

Subgroup 051B, Cereal grains and grasses (including pseudocereals) feed products with low water content (hay, straw)

Code No.	Commodity
AS 3304	Subgroup of Cereal grains and grasses (including pseudocereals) feed products with low water content (forage)
AS 0081	Straw and hay of cereal grains and other grass like plants (including pseudocereals) Includes all commodities in this subgroup; See group 020 (code GC 0080) for species included in group of cereal grains
AS 0161	Straw and hay of cereal grains (including pseudocereals) Includes all commodities in this subgroup; See group 020 (code GC 0080) for species included in group of cereal grains
AS 0162	Hay of grasses Includes all commodities in this subgroup, including Italian ryegrass and pangola
AS 0163	Straw of cereal grains (including pseudocereals) Includes all commodities in this subgroup; See group 020 (code GC 0080) for species included in group of cereal grains
AS 0164	Hay of cereal grains (including pseudocereals) Includes all commodities in this subgroup; See group 020 (code GC 0080) for species included in group of cereal grains
AS 3502	Amaranth, hay <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 3491	Barley, hay <i>Hordeum vulgare</i> L. subsp. <i>vulgare</i>
AS 0640	Barley, straw
-	Bermuda grass , see Subgroup Hay of Grasses, AS 0162 <i>Cynodon dactylon</i> (L.) Pers.
-	Bluegrass , see Subgroup Hay of Grasses, AS 0162 <i>Poa</i> spp.
-	Brome grass , see Subgroup Hay of Grasses, AS 0162 <i>Bromus</i> spp.
AS 0641	Buckwheat, hay <i>Fagopyrum esculentum</i> Moench; Buckwheat, Tartary, <i>Fagopyrum tataricum</i> (L.) Gaertn.
AS 3503	Canarygrass, annual, hay <i>Phalaris canariensis</i> L.
-	Corn, hay , see Maize hay, AS 0645
-	Darnel see Subgroup Hay of Grasses, AS 0162 <i>Lolium</i> spp.
-	Fescue , see Subgroup Hay of Grasses, AS 0162 <i>Festuca</i> spp.
AS 3504	Hungry rice, hay <i>Digitaria iburua</i> Stapf; Fonio, white, <i>Digitaria exilis</i> (Kippist) Stapf
AS 0645	Maize, hay <i>Zea mays</i> L.

- AS 0646 **Millet, hay**
Millet, barnyard, *Echinochloa frumentacea* Link; Millet, finger, *Eleusine coracana* (L.) Gaertn.; Millet, foxtail, *Setaria italica* (L.) P. Beauv. subsp. *italica*; Millet, little, *Panicum sumatrense* Roth; Millet, proso, *Panicum miliaceum* L. subsp. *miliaceum*; Millet, pearl, *Pennisetum glaucum* (L.) R. Br.
- AS 3505 **Millet, straw**
Millet, barnyard, *Echinochloa frumentacea* Link; Millet, finger, *Eleusine coracana* (L.) Gaertn.; Millet, foxtail, *Setaria italica* (L.) P. Beauv. subsp. *italica*; Millet, little, *Panicum sumatrense* Roth; Millet, proso, *Panicum miliaceum* L. subsp. *miliaceum*; Millet, pearl, *Pennisetum glaucum* (L.) R. Br.;
- AS 3506 **Oat, hay**
Avena spp.; Oat, common, *Avena sativa* L.; Oat, Abyssiniam, *Avena abyssinica* Hochst. ex A. Rich.; Oat, naked, *Avena nuda* L.; Oat, sand, *Avena strigosa* Schreb.
- AS 0647 **Oat, straw**
Avena spp.; Oat, common, *Avena sativa* L.; Oat, Abyssiniam, *Avena abyssinica* Hochst. ex A. Rich.; Oat, naked, *Avena nuda* L.; Oat, sand, *Avena strigosa* Schreb.
- AS 3507 **Pangula, hay**
Digitaria eriantha Steud.
- AS 3508 **Pop corn, stover**
Zea mays L. subsp. *mays*
- AS 0649 **Rice, straw**
Oryza sativa L.; Rice, African, *Oryza glaberrima* Steud.; Wild rice, *Zizania palustris* L.; Wild rice, Eastern, *Zizania aquatica* L.
- AS 0650 **Rye, straw**
Secale cereale L.
- AS 3509 **Ryegrass, Italian, hay**
Lolium multiflorum Lam.
- AS 0651 **Sorghum, hay**
Sorghum bicolor (L.) Moench; other *Sorghum* spp.
- AS 3510 **Sorghum, stover**
Sorghum bicolor (L.) Moench; other *Sorghum* spp.
- AS 0447 **Sweet corn, stover**
Zea mays L. subsp. *mays*
- AS 3511 **Teff, hay**
Eragrostis tef (Zuccagni) Trotter
- AS 3512 **Teff, straw**
Eragrostis tef (Zuccagni) Trotter
- AS 0657 **Teosinte, hay**
Zea mays ssp. *mexicana* (Schrad.) H. H. Iltis;
- AS 0653 **Triticale, straw and hay**
x *Triticosecale* sp.
- AS 3492 **Wheat, hay**
Triticum aestivum L. subsp. *aestivum*

AS 0654

Wheat, straw

Triticum aestivum L. subsp. *aestivum*.; Wheat, Durum, *Triticum turgidum* L. subsp. *durum* (Desf.) Husn.; Wheat, Einkorn, *Triticum monococcum* L. subsp. *monococcum*; Wheat, Emmer, *Triticum turgidum* L. subsp. *dicoccon* (Schrank) Thell.; Wheat, Macha, *Triticum aestivum* L. subsp. *macha* (Dekapr. & Menabde) Mackey; Wheat, Oriental, *Triticum turgidum* L. subsp. *turanicum* (Jakubz.) Á. Löve & D. Löve; Wheat, Persian, *Triticum turgidum* L. subsp. *carthlicum* (Nevski) Á. Löve & D. Löve; Wheat, Polish, *Triticum turgidum* L. subsp. *polonicum* (L.) Thell.; Wheat, Poulard, *Triticum turgidum* L. subsp. *turgidum*; Wheat, Shot, *Triticum turgidum* L. subsp. *turgidum*; Wheat, Spelt, *Triticum aestivum* L. subsp. *spelta* (L.) Thell.; Wheat, Timopheevi, *Triticum timopheevii* (Zhuk.) Zhuk. subsp. *timopheevii*; Wheat, Vavilovi, *Triticum vavilovii* Jakubz.; Wheat, Wild einkorn, *Triticum monococcum* L. subsp. *aegilopoides* (Link) Thell.; Wheat, Wild emmer, *Triticum turgidum* L. subsp. *dicocoides* (Körn. ex Asch. & Graebn.) Thell.

Subgroup 051C, Cereal grains and grasses (including pseudocereals) feed products (such as silage, bran, hulls)

Code No.**Commodity**

AS 3305 **Subgroup of Cereal grains and grasses (including pseudocereals) feed products**

AS 0162

Silage of cereal grains and grasses (including pseudocereals)

Includes all commodities in this subgroup

AS 3513

Barley, silage

Hordeum vulgare L. subsp. *vulgare*

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Corn, silage, See Maize silage, AS 3514

Zea mays L.

AS 3490

Maize, bran

Zea mays L.

AS 3514

Maize, silage

Zea mays L.

AS 3515

Maize, stover

Zea mays L.

AS 3516

Oat, silage

Avena spp.; Oat, common, *Avena sativa* L.; Oat, Abyssiniam, *Avena abyssinica* Hochst. ex A. Rich.; Oat, naked, *Avena nuda* L.; Oat, sand, *Avena strigosa* Schreb.

AS 3517

Rice, hulls

Oryza sativa L.; Rice, African, *Oryza glaberrima* Steud.; Wild rice, *Zizania palustris* L.; Wild rice, Eastern, *Zizania aquatica* L.

AS 3518

Rice, silage

Oryza sativa L.; Rice, African, *Oryza glaberrima* Steud.; Wild rice, *Zizania palustris* L.; Wild rice, Eastern, *Zizania aquatica* L.

AS 3519

Rye, silage

Secale cereale L.

AS 3520

Sorghum, silage

Sorghum bicolor (L.) Moench;
other *Sorghum* spp.

AS 3521

Timothy, cubes

Phleum spp.

AS 3522

Triticale, silage

x *Triticosecale* sp.

AS 3523

Wheat, silage

Triticum aestivum L. subsp. *aestivum*

In case the Committee agrees to create Subgroup 051D, Grasses, the following text will be included:

<u>Code No.</u>	<u>Commodity</u>
AS XXXX	Subgroup of Grasses

Grasses that are currently included in Group 051B include Ryegrass, Italian and Pangola. There is a cross reference to subgroup of hay of grasses for bermudagrass, fescue, bluegrass, brome grass and darnel. Grasses may also be appropriately separated into warm season and cool season grasses. See Appendix II for potential grass commodities separated into cool and warm season grasses.

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: Products with high water content (forage, beet tops)	AV
Subgroup 052B: Products with low water content (hay)	AM
Subgroup 052C: Processed products (such as meal, hulls, dried pulp, molasses)	AM

Subgroup 052A: Products of miscellaneous hay and forage crops with high water content (forage, beet tops)

<u>Code No.</u>	<u>Commodity</u>
AM 0165	Miscellaneous feed products except leguminous and grass plants (<i>Gramineae</i>), but including grasses for sugar production
AV 3307	Subgroup of Products of high water content (forage, beet tops)
AV 3430	Arrowleaf balsamroot, forage <i>Balsamorhiza sagittata</i> (Pursh) Nutt.
AV 3431	Carrot, culls <i>Daucus carota</i> L.
AV 1050	Cow cabbage, leaves <i>Brassica oleracea</i> L. var. <i>viridis</i> L.
AV 1051	Fodder beet, leaves or tops <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
AV 0480	Kale, forage <i>Brassica oleracea</i> L. var. <i>viridis</i> L.
AV 3432	Kenaf, forage <i>Hibiscus cannabinus</i> L.
AV 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, AM 1051
-	Mangoldwurzel , see Fodder beet, AM 1051

- AV 0353 **Pineapple, forage**
Ananas comosus (L.) Merr.
- AV 3433 **Potato, culls**
Solanum tuberosum L.
- AV 3434 **Spiny hopsage, forage**
Grayia spinosa (Hook.) Moq.
- AV 0596 **Sugar beet, leaves or tops**
Beta vulgaris L. subsp. *vulgaris*
- AV 0659 **Sugar cane, forage**
Saccharum officinarum L.
- AV 0497 **Swedish turnip or Swede, leaves or tops**
Brassica napus L. subsp. *rapifera* Metzg.
- AV 3435 **Taper-tip hawk's-beard, forage**
Crepis acuminata Nutt.
- AV 3436 **Threadleaf sedge, forage**
Carex filifolia Nutt.
- AV 0506 **Turnip, leaves or tops**
Brassica rapa L. subsp. *rapa*
- Subgroup 052B: Products with low water content (hay)
- AM 3308 **Subgroup of Products with low water content (hay)**
- AM 3437 **Arrowleaf balsamroot, hay**
Balsamorhiza sagittata (Pursh) Nutt.
- AM 3438 **Kenaf, hay**
Hibiscus cannabinus L.
- AM 0738 **Mint, hay**
Mentha spp.
- AM 0659 **Sugar cane, hay**
Saccharum officinarum L.
- AM 0506 **Turnip, hay**
Brassica rapa L. subsp. *rapa*
- Subgroup 052C: Processed products (such as meal, hulls, dried pulp, molasses)
- AM 3309 **Subgroup of Processed products of miscellaneous hay and forage crops (such as meal, hulls, dried pulp, molasses)**
- AM 0660 **Almond, hulls**
Prunus dulcis (Mill.) D.A. Webb
- ~~AB 0226~~ → AM 0226 **Apple pomace, dry MOVED FROM CLASS D**
Malus domestica Borkhausen
- ~~AB 1230~~ → AM 1230 **Apple pomace, wet MOVED FROM CLASS D**
Malus domestica Borkhausen
- ~~DM 0004~~ → AM 0001 **Citrus molasses MOVED FROM CLASS D**
Citrus spp.

AM 3439	Citrus pomace, dry <i>Citrus</i> spp.
AB-0004 →AM 0002	Citrus pulp, dry MOVED FROM CLASS D <i>Citrus</i> spp.
AB-0691 →AM 0691	Cotton seed, hulls MOVED FROM CLASS D <i>Gossypium</i> spp.
AB-1203 →AM 1203	Cotton seed, meal MOVED FROM CLASS D <i>Gossypium</i> spp.
AB-1204 →AM 1204	Cotton gin trash MOVED FROM CLASS D <i>Gossypium</i> spp.
AB-0269 →AM 0269	Grape pomace, dry MOVED FROM CLASS D <i>Vitis vinifera</i> L.
AM 0353	Pineapple, process residue <i>Ananas comosus</i> (L.) Merr.
AM 3451	Potato, process residue, dehydrated <i>Solanum tuberosum</i> L. ssp. <i>tuberosum</i>
AM 3452	Potato, process residue, raw <i>Solanum tuberosum</i> L. ssp. <i>tuberosum</i>
AM 3453	Potato, process residue, wet <i>Solanum tuberosum</i> L. ssp. <i>Tuberosum</i>
AM 3455	Potato, process residue, heat-treated, wet <i>Solanum tuberosum</i> L. ssp. <i>tuberosum</i>
AM 3456	Potato, waste meal, dried <i>Solanum tuberosum</i> L. ssp. <i>tuberosum</i>
DM 0658 →AM 0658	Sorghum, molasses MOVED FROM CLASS D <i>Sorghum bicolor</i> (L.) Moench; other <i>Sorghum</i> spp.
AB-0541 →AM 0269	Soya bean hulls MOVED FROM CLASS D <i>Glycine max</i> (L.) Merr;
DM-0596 →AM 0596	Sugar beet molasses MOVED FROM CLASS D <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
AB-0596 →AM 0597	Sugar beet, pulp, dry MOVED FROM CLASS D <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
AB-1201 →AM 1201	Sugar beet, pulp, wet MOVED FROM CLASS D <i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>
AM 3457	Sugar beet, molasses <i>Beta vulgaris</i> L. subsp. <i>Vulgaris</i>
DM-0659 →AM 0659	Sugar cane molasses MOVED FROM CLASS D <i>Saccharum officinarum</i> L.
AM 3458	Sunflower, meal <i>Helianthus annuus</i> L.
AB-0447 →AM 0447	Sweet corn cannery waste MOVED FROM CLASS D <i>Zea mays</i> L., several cultivars, not including popcorn
AM 3459	Vegetable, process residue, wet

APPENDIX II

The following Table lists all potential grass commodities divided into warm season and cool season grasses.

Grass Commodities	Related subgroups
Alaska oniongrass, <i>Melica subulata</i> (Griseb.) Scribn.	Cool season
Alpine bluegrass, <i>Poa alpina</i> L.	Cool season
Alpine timothy, <i>Phleum alpinum</i> L.	Cool season
Altai wild rye, <i>Leymus angustus</i> (Trin.) Pilg.	Cool season
American beachgrass, <i>Ammophila breviligulata</i> Fernald	Cool season
American mannagrass, <i>Glyceria grandis</i> S. Watson	Cool season
American sloughgrass, <i>Beckmannia syzigachne</i> (Steud.) Fernald	Cool season
Annual ryegrass, <i>Lolium multiflorum</i> Lam.	Cool season
Arabiangrass, <i>Schismus arabicus</i> Nees	Cool season
Arizona fescue, <i>Festuca arizonica</i> Vasey	Cool season
Ba shan mu zhu, <i>Arundinaria fargesii</i> E. G. Camus	Cool season
Ba zhu, <i>Amelocalamus microphyllus</i> (Hsueh & T. P. Yi) Hsueh & T. P. Yi	Cool season
Bandicootgrass, <i>Monachather paradoxa</i> Steud.	Cool season
Barnyardgrass, <i>Dactylis glomerata</i> L.	Cool season
Basin wild rye, <i>Leymus cinereus</i> (Scribn. & Merr.) Á. Löve	Cool season
Beach wild rye, <i>Leymus arenarius</i> (L.) Hochst.	Cool season
Beardless wild rye, <i>Leymus triticoides</i> (Buckley) Pilg	Cool season
Bieberstein bromegrass, <i>Bromus biebersteinii</i> Roem. & Schult.	Cool season
Blue maidencane, <i>Amphicarpum muhlenbergianum</i> (Schult.) Hitchc.	Cool season
Blue wild rye, <i>Elymus glaucus</i> Buckley	Cool season
Bluebunch wheatgrass, <i>Pseudoroegneria spicata</i> (Pursh) Á. Löve	Cool season
Bluejoint reedgrass, <i>Calamagrostis canadensis</i> (Michx.) P. Beauv.	Cool season
Boehmer's cat's-tail, <i>Phleum phleoides</i> (L.) H. Karst.	Cool season
Brown-black wallaby grass, <i>Rytidosperma duttonianum</i> (Cashmore) Connor & Edgar	Cool season
Bulbous bluegrass, <i>Poa bulbosa</i> L.	Cool season
Bulbous canarygrass, <i>Phalaris aquatic</i> L.	Cool season
Bulbous oatgrass, <i>Arrhenatherum elatius</i> (L.) P. Beauv. ex J. Presl & C. Presl	Cool season
Bulbous oniongrass, <i>Melica bulboa</i> Geyers ex Porter & J.M. Coult.	Cool season
California bromegrass, <i>Bromus carinatus</i> Hook. & Arn.	Cool season
California melic, <i>Melica imperfecta</i> Trin.	Cool season
California oatgrass, <i>Danthonia californica</i> Bol.	Cool season
Canada bluegrass, <i>Poa compressa</i> L.	Cool season
Canada bromegrass, <i>Bromus pubescens</i> Spreng.	Cool season
Canada wild rye, <i>Elymus canadensis</i> L.	Cool season
Canarygrass, <i>Phalaris canariensis</i> L.	Cool season
Cao hua jian zhu, <i>Fargesia scabrida</i> T. P. Yi	Cool season
Cheatgrass, <i>Bromus secalinus</i> L.	Cool season
Chilean chess, <i>Bromus berterioanus</i> Colla	Cool season
Colonial bentgrass, <i>Agrostis capillaris</i> L.	Cool season
Columbia needlegrass, <i>Achnatherum nelsonii</i> subsp. <i>dorei</i> (Barkworth & J. Maze) Barkworth	Cool season

Grass Commodities	Related subgroups
Creeping bluegrass, <i>Bothriochloa insculpta</i> (Hochst. Ex A. Rich.) A. Camus	Cool season
Creeping foxtail, <i>Alopecurus arundinaceus</i> Poir	Cool season
Creeping rivergrass, <i>Echinochloa polystachya</i> (Kunth) Hitchc.	Cool season
Creeping signalgrass, <i>Urochloa humidicola</i> (Rendle) Morrone & Zuloaga	Cool season
Crested dog tail, <i>Cynosurus cristatus</i> L.	Cool season
Da yao lai cao, <i>Leymus karelinii</i> (Turcz.) Tzvelev	Cool season
Da ying yi li cao, <i>Kengyilia grandiglumis</i> (Keng) J. L. Yang et al.	Cool season
Dahurian wild rye, <i>Elymus dahuricus</i> Turca. Ex Griseb.	Cool season
Delicate hairgrass, <i>Aira elegantissima</i> Schur	Cool season
Desert crested wheatgrass, <i>Agropyron desertorum</i> (Fisch. ex Link) Schult.	Cool season
Downy brome grass, <i>Bromus tectorum</i> L.	Cool season
Early hairgrass, <i>Aira praecox</i> L.	Cool season
European alkaligrass, <i>Puccinellia distans</i> (Jacq.) Parl.	Cool season
European beachgrass, <i>Ammophila arenaria</i> Link	Cool season
European sloughgrass, <i>Beckmannia eruciformis</i> (L.) Host	Cool season
Fairway wheatgrass, <i>Agropyron cristatum</i> (L.) Gaertn.	Cool season
Field brome grass, <i>Bromus arvensis</i> L.	Cool season
Flatleaf red fescue, <i>Festuca rubra</i> L. subsp. fallax (Thuill.) Nyman	Cool season
Flatstem oatgrass, <i>Danthonia compressa</i> Austin	Cool season
Floating foxtail, <i>Alopecurus geniculatus</i> L.	Cool season
Fowl bluegrass, <i>Poa palustris</i> L.	Cool season
Fowl mannagrass, <i>Glyceria striata</i> (Lam.) Hitchc.	Cool season
Gen jing bing cao, <i>Agropyron michnoi</i> Roskev.	Cool season
Giant cane, <i>Arundinaria gigantea</i> (Walter) Muhl.	Cool season
Giant wild rye, <i>Leymus condensatus</i> (J. Presl) A. Love	Cool season
Green fescue, <i>Festuca viridula</i> Vasey	Cool season
Green needlegrass, <i>Nassella viridula</i> (Trin.) Barkworth	Cool season
Guai gun zhu, <i>Fargesia robusta</i> T. P. Yi	Cool season
Hairy chess, <i>Bromus commutatus</i> Schrad.	Cool season
Hill wallabygrass, <i>Rytidosperma erianthum</i> (Lindl.) Connor & Edgar	Cool season
Hoffmann's wheatgrass, <i>Elymus hoffmannii</i> K. B. Jensen & K. H. Asay	Cool season
Hookygrass, <i>Ancistrachne uncinulata</i> (R. Br.) S. T. Blake	Cool season
Idaho fescue, <i>Festuca idahoensis</i> Elmer subsp. idahoensis	Cool season
Indian ricegrass, <i>Achnatherum hymenoides</i> (Roem. & Schult.) Barkworth	Cool season
Intermediate ryegrass, <i>Lolium x hybridum</i>	Cool season
Japanese brome grass, <i>Bromus japonicus</i> Schrenk	Cool season
Jian chi que mai, <i>Bromus oxyodon</i> Schrenk	Cool season
Junegrass, <i>Koeleria macrantha</i> (Ledeb.) Schul.t	Cool season
Kentucky bluegrass, <i>Poa pratensis</i> L	Cool season
Lai cao, <i>Leymus secalinus</i> (Georgi) Tzvelev	Cool season
Lesser canarygrass, <i>Phalaris minor</i> Retz	Cool season
Letterman's needlegrass, <i>Achnatherum lettermanii</i> (Vasey) Barkworth	Cool season
Lobed wallabygrass, <i>Rytidosperma auriculatum</i> (J. M. Black) Connor & Edgar	Cool season

Grass Commodities	Related subgroups
Mammoth wild rye, <i>Leymus ramosus</i> (Trin.) Tzvelev	Cool season
Mandan ricegrass, <i>Achnella caduca</i> (Beal) Barkworth	Cool season
Many-stem wild rye, <i>Leymus multicaulis</i> (Kar. & Kir.) Tzvelev	Cool season
Meadow brome grass, <i>Bromus riparius</i> Rehmman	Cool season
Meadow fescue, <i>Festuca pratensis</i> Huds.	Cool season
Meadow foxtail, <i>Alopecurus pratensis</i> L.	Cool season
Mediterranean brome grass, <i>Bromus lanceolatus</i> Roth	Cool season
Mediterranean grass, <i>Schismus barbatus</i> (L.) Thell.	Cool season
Mosquitograss, <i>Dasypyrum villosum</i> (L.) P. Candargy	Cool season
Mountain brome grass, <i>Bromus carinatus</i> Hook. & Arn. var. <i>marginatus</i> (Steud.) Barkworth & Anderton	Cool season
Mountain rye, <i>Secale strictum</i> (C. Presl) C. Presl subsp. <i>strictum</i>	Cool season
Mutton bluegrass, <i>Poa fendlerian</i> (Steud.) Vasey	Cool season
Needle-and-thread grass, <i>Hesperostipa comata</i> (Trin. & Rupr.) Barkworth subsp. <i>comata</i>	Cool season
Nelson's needlegrass, <i>Achnatherum nelsonii</i> (Scribn.) Barkworth subsp. <i>nelsonii</i>	Cool season
Northern wheatgrass, <i>Elymus lanceolatus</i> (Scribn. & J. G. Sm.) Gould subsp. <i>lanceolatus</i>	Cool season
Nuttall's alkaligrass, <i>Puccinellia nuttalliana</i> (Schult.) Hitchc.	Cool season
Oat brome grass, <i>Bromus danthoniae</i> Trin.	Cool season
One-sided wheatgrass, <i>Elymus trachycaulus</i> (Link) Gould ex Shinners subsp. <i>subsecundus</i> (Link) Å. Löve & D. Löve	Cool season
Orchardgrass, <i>Dactylis glomerata</i> L.	Cool season
Oriental false wheatgrass, <i>Eremopyrum orientale</i> (L.) Jaub. & Spach	Cool season
Parry oatgrass, <i>Danthonia parryi</i> Scribn.	Cool season
Pasto-arroz, <i>Piptatherum holciforme</i> (M. Bieb.) Roem. & Schult.	Cool season
Perennial ryegrass, <i>Lolium perenne</i> L.	Cool season
Perennial veldtgrass, <i>Ehrharta calycina</i> Sm.	Cool season
Pine reedgrass, <i>Calamagrostis rubescens</i> Buckley	Cool season
Polargrass, <i>Arctagrostis latifolia</i> (R. Br.) Griseb.	Cool season
Porter's melic, <i>Melica porter</i> Scribn	Cool season
Prairiegrass, <i>Bromus catharticus</i> Vahl var. <i>catharticus</i>	Cool season
Pubescent wheatgrass, <i>Thinopyrum intermedium</i> (Host) Barkworth & D. R. Dewey subsp. <i>barbulatum</i> (Schur) Barkworth & D. R. Dewey	Cool season
Purple needlegrass, <i>Nassella pulchra</i> (Hitchc.) Barkworth	Cool season
Quackgrass, <i>Elymus repens</i> (L.) Gould subsp. <i>repens</i>	Cool season
Quaking grass, <i>Briza media</i> L.	Cool season
Red brome grass, <i>Bromus rubens</i> L.	Cool season
Red fescue, <i>Festuca rubra</i> L. subsp. <i>rubra</i>	Cool season
Redtop, <i>Agrostis gigantean</i> Roth	Cool season
Reed canarygrass, <i>Phalaris arundinacea</i> L.	Cool season
Ringed wallabygrass, <i>Rytidosperma caespitosum</i> (Gaudich.) Connor & Edgar	Cool season
Rough fescue, <i>Festuca altaica</i> Trin.	Cool season
Roughstalk bluegrass, <i>Poa trivialis</i> L.	Cool season

Grass Commodities	Related subgroups
Rush wheatgrass, <i>Thinopyrum ponticum</i> (Podp.) Barkworth & D. R. Dewey	Cool season
Russian wild rye, <i>Psathyrostachys juncea</i> (Fisch.) Nevski	Cool season
Sand bluestem, <i>Andropogon hallii</i> Hack.	Cool season
Sandberg, <i>Poa secunda</i> J. Presl	Cool season
Sewangrass, <i>Lasiurus scindicus</i> Henrard	Cool season
Sha lu cao, <i>Agropyron mongolicum</i> Keng	Cool season
Sheep fescue, <i>Festuca ovina</i> L.	Cool season
Short wallabygrass, <i>Rytidosperma carphoides</i> (F. Muell. ex Benth.) Connor & Edgar	Cool season
Siberian wheatgrass, <i>Agropyron fragile</i> (Roth) P. Candargy	Cool season
Silver hairgrass, <i>Aira caryophyllea</i> L.	Cool season
Silvery hairgrass, <i>Aira cupanian</i> Guss.	Cool season
Slender oatgrass, <i>Avena barbata</i> Pott ex Link	Cool season
Slender wheatgrass, <i>Elymus trachycaulus</i> (Link) Gould ex Shinnars subsp. <i>trachycaulus</i>	Cool season
Small timothy, <i>Phleum nodosum</i> L.	Cool season
Small-flower wallaby grass, <i>Rytidosperma setaceum</i> (R. Br.) Connor & Edgar	Cool season
Slender alkalgrass, <i>Puccinellia distans</i> (Jacq.) Parl.	Cool season
Smilgrass, <i>Piptatherum miliaceum</i> (L.) Coss.	Cool season
Smooth bromegrass, <i>Bromus inermis</i> Leyss. subsp. <i>inermis</i>	Cool season
Spike bentgrass, <i>Agrostis exarata</i> Trin.	Cool season
Spike oatgrass, <i>Helictochloa hookeri</i> (Scribn.) Romero Zarco subsp. <i>hookeri</i>	Cool season
Spike trisetum, <i>Trisetum spicatum</i> (L.) K. Richt.	Cool season
Spiked quakinggrass, <i>Briza humilis</i> M. Bieb	Cool season
Squirreltail, <i>Elymus elymoides</i> (Raf.) Swezey	Cool season
Straw Wallabygrass, <i>Rytidosperma richardsonii</i> (Cashmore) Connor & Edgar	Cool season
Swamp millet, <i>Isachne globose</i> (Thunb.) Kuntze	Cool season
Tall fescue, <i>Festuca arundinacea</i> Schreb.	Cool season
Tall oat grass, <i>Arrhenatherum elatius</i> (L.) P. Beauv. ex J. Presl & C. Presl ssp. <i>elatius</i>	Cool season
Tasselgrass, <i>Eustachys distichophylla</i> (Lag.) Nees	Cool season
Texas bluegrass, <i>Poa arachnifera</i> Torr.	Cool season
Tian shan lai cao, <i>Leymus tianschanicus</i> (Drobow) Tzvelev	Cool season
Timber oatgrass, <i>Danthonia intermedia</i> Vasey	Cool season
Timothy, <i>Phleum pretense</i> L.	Cool season
Tufted hairgrass, <i>Deschampsia cespitosa</i> (L.) P. Beauv.	Cool season
Tumid node bamboo, <i>Chimonobambusa tumidissinoda</i> Hsueh & T. P. Yi ex D.	Cool season
Upland bentgrass, <i>Agrostis perennans</i> (Walter) Tuck.	Cool season
Velvet bentgrass, <i>Agrostis canina</i> L.	Cool season
Velvetgrass, <i>Holcus lanatus</i> L.	Cool season
Velvet wallabygrass, <i>Rytidosperma pilosum</i> (R. Br.) Connor & Edgar	Cool season
Virginia wild rye, <i>Elymus virginicus</i> L.	Cool season
Volga fescue, <i>Festuca valesiaca</i> Schleich. Ex Gaudin	Cool season
Weepinggrass, <i>Microlaena stipoides</i> (Labill.) R. Br.	Cool season

Grass Commodities	Related subgroups
Western wheatgrass, <i>Pascopyrum smithii</i> (Rydb.) Barkworth & D. R. Dewey	Cool season
Wild oatgrass, <i>Avena fatua</i> L.	Cool season
Yang cao, <i>Leymus chinensis</i> (Trin.) Tzvelev	Cool season
Yellow oatgrass, <i>Trisetum flavescens</i> (L.) P. Beauv.	Cool season

Grass Commodities	Related subgroups
Acroceras, <i>Acroceras amplectens</i> Stapf	Warm season
African bermudagrass, <i>Cynodon nlemfuensis</i> Vanderyst	Warm season
African bristle grass, <i>Setaria sphacelata</i> (Schumach.) Stapf & C.E. Hubb. var. <i>sphacelata</i>	Warm season
African foxtail grass, <i>Pennisetum ciliare</i> (L.) Link	Warm season
African signalgrass, <i>Urochloa arrecta</i> (Hack. ex T. Durand & Schinz) Morrone & Zuloaga	Warm season
Agtdaepluimgrass, <i>Eragrostis nindensis</i> Ficalho & Hiern	Warm season
Aleppograss, <i>Sorghum halepense</i> (L.) Pers	Warm season
Alkali sacaton, <i>Sporobolus airoides</i> (Torr.) Torr	Warm season
Almum sorghum, <i>Sorghum</i> × <i>almum</i> Parodi	Warm season
Angleton bluestem, <i>Dichanthium aristatum</i> (Poir.) C. E. Hubb.	Warm season
Antelopegrass, <i>Echinochloa pyramidalis</i> (Lam.) Hitchc. & Chase	Warm season
Antigua haygrass, <i>Dichanthium caricosum</i> (L.) A. Camus	Warm season
Aquatic Job's tears, <i>Coix aquatic</i> Roxb.	Warm season
Arizona cottongrass, <i>Digitaria californica</i> (Benth.) Henrad	Warm season
Armgrass millet, <i>Urochloa distachya</i> (L.) T.Q. Nguyen, <i>Urochloa subquadripara</i> (Trin.) R. D. Webster	Warm season
Arrocillo, <i>Acroceras zizanioides</i> (Kuath) Daudy	Warm season
Atherstone lovegrass, <i>Eragrostis trichophora</i> Coss. & Durieu	Warm season
Australian bluestem, <i>Bothriochloa bladhii</i> (Retz.) S. T. Blake	Warm season
Australian cupgrass, <i>Eriochloa australiensis</i> Stapf ex Thell.	Warm season
Australian Rhodesgrass, <i>Chloris divaricata</i> R. Br.	Warm season
Awnless barnyard millet, <i>Echinochloa colona</i> (L.) Link	Warm season
Bahamagrass, <i>Cynodon dactylon</i> (L.) Pers. var. <i>dactylon</i>	Warm season
Bahiagrass, <i>Paspalum notatum</i> Flügge	Warm season
Bai bei yu shan zhu, <i>Yushania glauca</i> T. P. Yi & T. L. Long	Warm season
Barbwiregrass, <i>Cymbopogon refractus</i> (R. Br.) A. Camus	Warm season
Barley mitchellgrass, <i>Astrebala pectinata</i> (Lindl.) F. Muell.	Warm season
Barnyard millet, <i>Echinochloa frumentacea</i> Link	Warm season
Basilisk signalgrass, <i>Urochloa decumbens</i> (Stapf) R. D. Webster	Warm season
Beach dropseed, <i>Sporobolus virginicus</i> (L.) Kunth	Warm season
Bermudagrass, <i>Cynodon dactylon</i> (L.) Pers.	Warm season
Big alkali sacaton, <i>Sporobolus wrightii</i> Munro ex Scribn.	Warm season
Big bluestem, <i>Andropogon gerardi</i> Vitman	Warm season
Big galleta, <i>Pleuraphis rigida</i> Thurb.	Warm season
Big leaf bristlegrass, <i>Setaria megaphylla</i> (Steud.) T. Durand & Schinz	Warm season
Black grama, <i>Bouteloua eriopoda</i> (Torr.) Torr.	Warm season
Blackheads, <i>Enneapogon nigricans</i> (R. Br.) P. Beauv.	Warm season
Blady grass, <i>Imperata cylindrical</i> (L.) P. Beauv.	Warm season
Blowoutgrass, <i>Redfieldia flexuosa</i> (Thurb.) Vasey	Warm season
Blue grama, <i>Bouteloua gracilis</i> (Kunth) Lag. ex Griffiths	Warm season
Blue panicgrass, <i>Panicum antidotale</i> Retz.	Warm season
Bottle washers, <i>Enneapogon avenaceus</i> (Lindl.) C. E. Hubb.	Warm season

Grass Commodities	Related subgroups
Bristle pigeongrass, <i>Setaria verticillata</i> (L.) P. Beauv.	Warm season
Bristly crabgrass, <i>Digitaria setigera</i> Roth	Warm season
Bristly foxtailgrass, <i>Setaria barbata</i> (Lam.) Kunth	Warm season
Bristly lovegrass, <i>Eragrostis setifolia</i> Nees	Warm season
Broadleaf carpetgrass, <i>Axonopus compressus</i> (Sw.) P. Beauv.	Warm season
Broadleaf setaria, <i>Setaria sphacelata</i> (Schumach.) Stapf & C.E. Hubb. var. <i>splendida</i> (Stapf) Clayton	Warm season
Broomsedge, <i>Andropogon virginicus</i> L.	Warm season
Brown's lovegrass, <i>Eragrostis brownie</i> (Kunth) Nees	Warm season
Brownseed paspalum, <i>Paspalum plicatum</i> Michx.	Warm season
Browntop millet, <i>Urochloa ramosa</i> (L.) T.Q. Nguyen	Warm season
Browntop signalgrass, <i>Urochloa fusca</i> (Sw.) B. F. Hansen & Wunderlin	Warm season
Brunswick grass, <i>Paspalum nicorae</i> Parodi	Warm season
Buffalograss, <i>Bouteloua dactyloides</i> (Nutt.) Columbus	Warm season
Buffelgrass, <i>Pennisetum pennisetiforme</i> (Hochst. & Steud.) Wipff	Warm season
Bugseed grass, <i>Alloteropsis cimicina</i> (L.) Stapf	Warm season
Bulb panicgrass, <i>Zuloagaea bulbosa</i> (Kunth) Bess	Warm season
Bush muhly, <i>Muhlenbergia porteri</i> Scribn. ex Beal	Warm season
Cane bluestem, <i>Bothriochloa barbinodis</i> (Lag.) Herter	Warm season
Caribgrass, <i>Eriochloa polystachya</i> Kunth	Warm season
Carpetgrass, <i>Axonopus fissifolius</i> (Raddi) Kuhlms.	Warm season
Centipedegrass, <i>Ischaemum timorense</i> Kunth	Warm season
Chalky bluestem, <i>Andropogon glomeratus</i> (Walter) Britton et al. var. <i>glaucopsis</i> (Elliott) C. Mohr	Warm season
Channel millet, <i>Echinochloa turneriana</i> (Domin) J.M. Black	Warm season
Chinese fountaingrass, <i>Pennisetum alopecuroides</i> (L.) Spreng.	Warm season
Chinese lovegrass, <i>Eragrostis uniolooides</i> (Retz.) Nees	Warm season
Cockatograss, <i>Alloteropsis semialata</i> (R. Br.) Hitchc.	Warm season
Common crabgrass, <i>Digitaria ciliaris</i> (Retz.) Koeler	Warm season
Common thatching grass, <i>Hyparrhenia hirta</i> (L.)	Warm season
Common wild sorghum, <i>Sorghum bicolor</i> (L.) Moench subsp. <i>verticilliflorum</i> (Steud.) de Wet ex Wiersema & J. Dahlb.	Warm season
Congo signalgrass, <i>Urochloa ruziziensis</i> (R. Germ. & C.M. Evrard) Crins	Warm season
Corigrass, <i>Urochloa subquadripara</i> (Trin.) R. D. Webster	Warm season
Couch paspalum, <i>Paspalum distichum</i> L.	Warm season
Crabgrass, <i>Digitaria cruciata</i> (Nees) A. Camus	Warm season
Creeping lovegrass, <i>Eragrostis reptans</i> (Michx.) Nees	Warm season
Crowfootgrass, <i>Dactyloctenium aegyptium</i> (L.) Willd.	Warm season
Cupgrass, <i>Eriochloa crebra</i> S. T. Blake	Warm season
Curly bluegrass, <i>Dichanthium fecundum</i> S. T. Blake	Warm season
Curly mitchellgrass, <i>Astrebla lappacea</i> (Lindl.) Domin	Warm season
Curlyleaf, <i>Eragrostis rigidior</i> Pilg.	Warm season
Curly mesquite, <i>Hilaria belangeri</i> (Steud.) Nash	Warm season
Cutgrass, <i>Leersia hexandra</i> Sw.	Warm season

Grass Commodities	Related subgroups
Dallisgrass, <i>Paspalum dilatatum</i> Poir.	Warm season
Desertgrass, <i>Panicum turgidum</i> Forssk.	Warm season
Desert saltgrass, <i>Distichlis spicata</i> (L.) Greene var. <i>stricta</i> (Torr.) Scribn.	Warm season
Diaz bluestem, <i>Dichanthium annulatum</i> (Forssk.) Stapf var. <i>annulatum</i>	Warm season
Digitgrass, <i>Digitaria milaniana</i> (Rendle) Stapf	Warm season
Eastern gamagrass, <i>Tripsacum dactyloides</i> (L.) L.	Warm season
Ellicotts lovegrass, <i>Eragrostis elliottii</i> S. Watson	Warm season
Feather fingergrass, <i>Chloris virgata</i> Sw.	Warm season
Feathery pennisetum, <i>Pennisetum polystachion</i> (L.) Schult. subsp. <i>setosum</i> (Sw.) Brunken	Warm season
Fine thatchinggrass, <i>Hyparrhenia filipendula</i> (Hochst.) Stapf	Warm season
Flaccidgrass, <i>Pennisetum flaccidum</i> Griseb.	Warm season
Foxtail millet, <i>Setaria italica</i> (L.) P. Beauv.	Warm season
Galletagrass, <i>Pleuraphis jamesii</i> Torr.	Warm season
Gambagrass, <i>Andropogon gayanus</i> Kunth var. <i>bisquamulatus</i> (Hochst.) Hack.	Warm season
Gang you zhu, <i>Microstegium ciliatum</i> (Trin.) A. Camus	Warm season
Garaji, <i>Urochloa lata</i> (Schumach.) C.E. Hubb.	Warm season
Giant bermudagrass, <i>Cynodon dactylon</i> (L.) Pers. var. <i>aridus</i> J. R. Harlan & de Wet	Warm season
Giant stargrass, <i>Cynodon plectostachyus</i> (K. Schum.) Pilg	Warm season
Giant thatchinggrass, <i>Hyparrhenia rufa</i> (Nees) Stapf	Warm season
Giant thorny bamboo, <i>Bambusa bambos</i> (L.) Voss	Warm season
Goatgrass, <i>Aegilops speltoides</i> Tausch	Warm season
Golden beardgrass, <i>Chrysopogon fulvus</i> (Spreng.) Chiov	Warm season
Golden bristlegrass, <i>Setaria sphacelata</i> (Schumach.) Stapf & C.E. Hubb. var. <i>anceps</i> (Stapf) Veldkamp	Warm season
Grazing brome grass, <i>Bromus catharticus</i> Vahl var. <i>elatus</i> (E. Desv.) Planchuelo	Warm season
Green muhly, <i>Muhlenbergia racemosa</i> (Michx.) Britton et al.	Warm season
Green sprangletop, <i>Disakisperma dubia</i> (Kunth) P. M. Peterson & N. Snow	Warm season
Guang gao liang, <i>Sorghum nitidum</i> (Vahl) Pers.	Warm season
Guatemalan grass, <i>Tripsacum andersonii</i> J. R. Gray	Warm season
Guineagrass, <i>Megathyrsus maximus</i> (Jacq.) B. K. Simon & S. W. L. Jacobs	Warm season
Hairy awn muhly, <i>Muhlenbergia capillaris</i> (Lam.) Trin.	Warm season
Hairy crabgrass, <i>Digitaria sanguinalis</i> (L.) Scop.	Warm season
Hairy grama, <i>Bouteloua hirsuta</i> Lag.	Warm season
Hairy flower woollybuttgrass, <i>Eragrostis laniflora</i> Benth.	Warm season
Hairy sheath lovegrass, <i>Eragrostis polytricha</i> Nees.	Warm season
Halfagrass, <i>Desmostachya bipinnata</i> (L.) Stapf	Warm season
Hooded windmillgrass, <i>Chloris cucullata</i> Bisch.	Warm season
Hoop mitchellgrass, <i>Astrelba elymoides</i> F. Muell. Ex F.M. Bailey	Warm season
Imperialgrass, <i>Axonopus scoparius</i> (Flüggé) Kuhlms.	Warm season
Indiangrass, <i>Sorghastrum nutans</i> (L.) Nash	Warm season
Indian muraingrass, <i>Ischaemum ciliare</i> Retz.	Warm season

Grass Commodities	Related subgroups
Indian paspalum, <i>Paspalum scrobiculatum</i> L.	Warm season
Japanese millet, <i>Echinochloa esculenta</i> (A. Braun) H. Scholz	Warm season
Johnsongrass, <i>Sorghum halepense</i> (L.) Pers.	Warm season
Kikuyugrass, <i>Pennisetum clandestinum</i> Hochst. Ex. Chiov.	Warm season
King ranch bluestem, <i>Bothriochloa ischaemum</i> (L.) Keng var. <i>songarica</i> (Rupr. ex Fisch. & C. A. Mey.) Celarier & J. R. Harlan	Warm season
Kleingrass, <i>Panicum coloratum</i> L. var. <i>coloratum</i>	Warm season
Knottybuttgrass, <i>Eragrostis xerophylla</i> Domin	Warm season
Koleagrass, <i>Phalaris elongate</i> Braun-Blanq.	Warm season
Kyasuwagrass, <i>Pennisetum pedicellatum</i> Trin.	Warm season
Landgrass, <i>Panicum schinzii</i> Hack.	Warm season
Lehmann's lovegrass, <i>Eragrostis lehmanniana</i> Nees	Warm season
Lesser speargrass, <i>Chrysopogon aciculatus</i> (Retz.) Trin	Warm season
Limpograss, <i>Hemarthria altissima</i> (Poir.) Stapf & C. E. Hubb.	Warm season
Little bluestem, <i>Schizachyrium scoparium</i> (Michx.) Nash	Warm season
Maidencaue, <i>Panicum hemitomon</i> Schult.	Warm season
Makarikarigrass, <i>Panicum coloratum</i> L. var. <i>makarikiariense</i> Gooss.	Warm season
Mallee lovegrass, <i>Eragrostis dielsii</i> Pilg.	Warm season
Manilagrass, <i>Zoysia matrella</i> (L.) Merr.	Warm season
Marshhay cordgrass, <i>Spartina patens</i> (Aiton) H.L. Muhl.	Warm season
Mascarene grass, <i>Zoysia tenuifolia</i> Willd. ex Thiele	Warm season
Mediterranean lovegrass, <i>Eragrostis barrelieri</i> Daveau	Warm season
Missiongrass, <i>Pennisetum polystachion</i> (L.) Schult.	Warm season
Molassesgrass, <i>Melinis minutiflora</i> P. Beauv.	Warm season
Multiflower false Rhodesgrass, <i>Trichloris pluriflora</i> E. Fourn.	Warm season
Musalgrass, <i>Iseilema laxum</i> Hack.	Warm season
Napiergrass, <i>Pennisetum purpureum</i> Schumach.	Warm season
Natal crowfoot, <i>Dactyloctenium australe</i> Steud.	Warm season
Natalgrass, <i>Pennisetum unisetum</i> (Nees) Benth.	Warm season
Nilegrass, <i>Acroceras macrum</i> Stapf	Warm season
Olive hymenachne, <i>Hymenachne amplexicaulis</i> (Rudge) Nees	Warm season
Palisade signalgrass, <i>Urochloa brizantha</i> (Hochst. ex A. Rich.) R. D. Webster	Warm season
Pampasgrass, <i>Cortaderia selloana</i> (Schult. & Schult. f.) Asch. & Graebn.	Warm season
Pangolagrass, <i>Digitaria eriantha</i> Steud.	Warm season
Paragrass, <i>Urochloa mutica</i> (Forssk.) T. Q. Nguyen	Warm season
Pasto micay, <i>Axonopus micay</i> Garcia-Barr.	Warm season
Pata-de-gallo, <i>Eustachys retusa</i> (Lag.) Kunth	Warm season
Perennial cupgrass, <i>Eriochloa pseudoacrotricha</i> (Stapf ex Thell.) C. E. Hubb. ex S. T. Blake	Warm season
Pine dropseed, <i>Blepharoneuron tricholepis</i> (Torr.) Nash	Warm season
Pitted bluestem, <i>Bothriochloa pertusa</i> (L.) A. Camus	Warm season
Plain neverfail, <i>Eragrostis eriopoda</i> Benth.	Warm season
Plains bristlegrass, <i>Setaria macrostachya</i> Kunth	Warm season
Plains lovegrass, <i>Eragrostisintermedia</i> Hitch.	Warm season

Grass Commodities	Related subgroups
Prairie sandreed, <i>Calamovilfa longifolia</i> (Hook.) Scribn.	Warm season
Queensland bluegrass, <i>Dichanthium sericeum</i> (R. Br.) A. Camus	Warm season
Red oatgrass, <i>Themeda triandra</i> Forssk.	Warm season
Redleg grass, <i>Bothriochloa macra</i> (Steud.) S.T. Blake	Warm season
Rhodesgrass, <i>Chloris gayana</i> Kunth	Warm season
Ribbed murainagrass, <i>Ischaemum rugosum</i> Salisb.	Warm season
Ring muhly, <i>Muhlenbergia torreyi</i> (Kunth) Hitchc.	Warm season
Rothrock's grama, <i>Bouteloua barbata</i> var. <i>rothrockii</i> (Vasey) Gould	Warm season
Sabigrass, <i>Urochloa mosambicensis</i> (Hack.) Dandy	Warm season
Saltwater cordgrass, <i>Spartina alterniflora</i> Loisel.	Warm season
Sand dropseed, <i>Sporobolus cryptandrus</i> (Torr.) A. Gray	Warm season
Sand lovegrass, <i>Eragrostis trichodes</i> (Nutt.) Alph. Wood	Warm season
Scrub sandbur, <i>Centotheca lappacea</i> (L.) Desv.	Warm season
Seashore centipede-grass, <i>Ischaemum muticum</i> L.	Warm season
Shortleaf panicgrass, <i>Panicum brevifolium</i> L.	Warm season
Sideoats grama, <i>Bouteloua curtipendula</i> (Michx.) Torr.	Warm season
Silky bluegrass, <i>Dichanthium sericeum</i> (R. Br.) A. Camus subsp. <i>sericeum</i>	Warm season
Silver bluestem, <i>Bothriochloa laguroides</i> (DC.) Herter subsp. <i>torreyana</i> (Steud.) Allred & Gould	Warm season
Six weeks threeawn, <i>Aristida adscensionis</i> L.	Warm season
Slender bluegrass, <i>Dichanthium sericeum</i> (R. Br.) A. Camus subsp. <i>humilius</i> (J. M. Black) B. K. Simon	Warm season
Slender bottle washers, <i>Enneapogon gracilis</i> (R. Br.) P. Beauv.	Warm season
Slender panicgrass, <i>Ottochloa nodosa</i> (Kunth) Dandy	Warm season
Smooth crabgrass, <i>Digitaria ischaemum</i> (Schreb.) Schreb. Ex Muhl.	Warm season
Sour paspalum, <i>Paspalum conjugatum</i> P.J. Bergius	Warm season
Spiderweb chloris, <i>Chloris pycnothrix</i> Trin.	Warm season
Spike dropseed, <i>Sporobolus contractus</i> Hitchc.	Warm season
Spikegrass, <i>Elytrophorus spicatus</i> (Willd.) A. Camus	Warm season
Spotted signalgrass, <i>Urochloa nigropedata</i> (Munro ex Ficalho & Hiern) A. M. Torres & C. M. Morton	Warm season
St. Augustinegrass, <i>Stenotaphrum secundatum</i> (Walter) Kuntze	Warm season
Stargrass, <i>Cynodon aethiopicus</i> Clayton & J.R. Harlan	Warm season
Streambed bristlegrass, <i>Setaria leucopila</i> (Scribn. & Merr.) K. Schum.	Warm season
Sudangrass, <i>Sorghum bicolor</i> (L.) Moench nothosubsp. <i>Drummondii</i> (Steud.) de Wet ex Davidse	Warm season
Sunolgrass, <i>Phalaris coerulescens</i> Desf.	Warm season
Sweet signalgrass, <i>Moorochloa eruciformis</i> (Sm.) Veldkamp	Warm season
Sweetcane, <i>Saccharum arundinaceum</i> Retz.	Warm season
Switchgrass, <i>Panicum virgatum</i> L.	Warm season
Tall dropseed, <i>Sporobolus composites</i> (Poir.) Merr.	Warm season
Tall mannagrass, <i>Glyceria elata</i> (Nash.) Hitchc.	Warm season
Tanglehead, <i>Heteropogon contortus</i> (L.) P. Beauv. ex Roem. & Schult.	Warm season
Tassel bluegrass, <i>Dichanthium sericeum</i> (R. Br.) A. Camus subsp. <i>polystachyum</i> (Benth.) B. K. Simon	Warm season

Grass Commodities	Related subgroups
Thalia lovegrass, <i>Eragrostis atrovirens</i> (Desf.) Trin. Ex Steud.	Warm season
Thurstongrass, <i>Urochloa glumaris</i> (Trin.) Veldkamp	Warm season
Tigergrass, <i>Thysanolaena latifolia</i> (Roxb. Ex Hornem.) Honda	Warm season
Tinloy, <i>Chrysopogon orientalis</i> (Desv.) A. Camus	Warm season
Tobosagrass, <i>Pleuraphis mutica</i> Buckley	Warm season
Torpedograss, <i>Panicum repens</i> L.	Warm season
Turkestan bluestem, <i>Bothriochloa ischaemum</i> (L.) Keng var. <i>ischaemum</i>	Warm season
Vaseygrass, <i>Paspalum urvillei</i> Steud.	Warm season
Weeping lovegrass, <i>Eragrostis curvula</i> (Schad.) Nees	Warm season
White fountaingrass, <i>Pennisetum orientale</i> Rich.	Warm season
Wilman lovegrass, <i>Eragrostis superba</i> Peyr.	Warm season
Wolvoet panicum, <i>Panicum lanipes</i> Mez	Warm season
Woolgrass, <i>Antheophora pubescens</i> Nees	Warm season
Woolly lovegrass, <i>Eragrostis ciliaris</i> (L.) R. Br.	Warm season
Yellow bristlegrass, <i>Setaria pumila</i> (Poir.) Roem. & Schult. subsp. <i>pumila</i>	Warm season
Yellow watercrowngrass, <i>Paspalidium flavidum</i> (Retz.) A. Camus	Warm season
Yi mi, <i>Coix lacryma-jobi</i> L. var. <i>ma-yuen</i> (Rom. Caill.) Stapf	Warm season
Yin hua cao, <i>Crypsis aculeata</i> (L.) Aiton	Warm season
Yushania, <i>Yushania microphylla</i> (Munro) R. B. Majumdar	Warm season
Zoysiagrass, <i>Zoysia japonica</i> Steud.	Warm season

APPENDIX III

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

LIST OF PARTICIPANTS

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