



Statistical Report

2013

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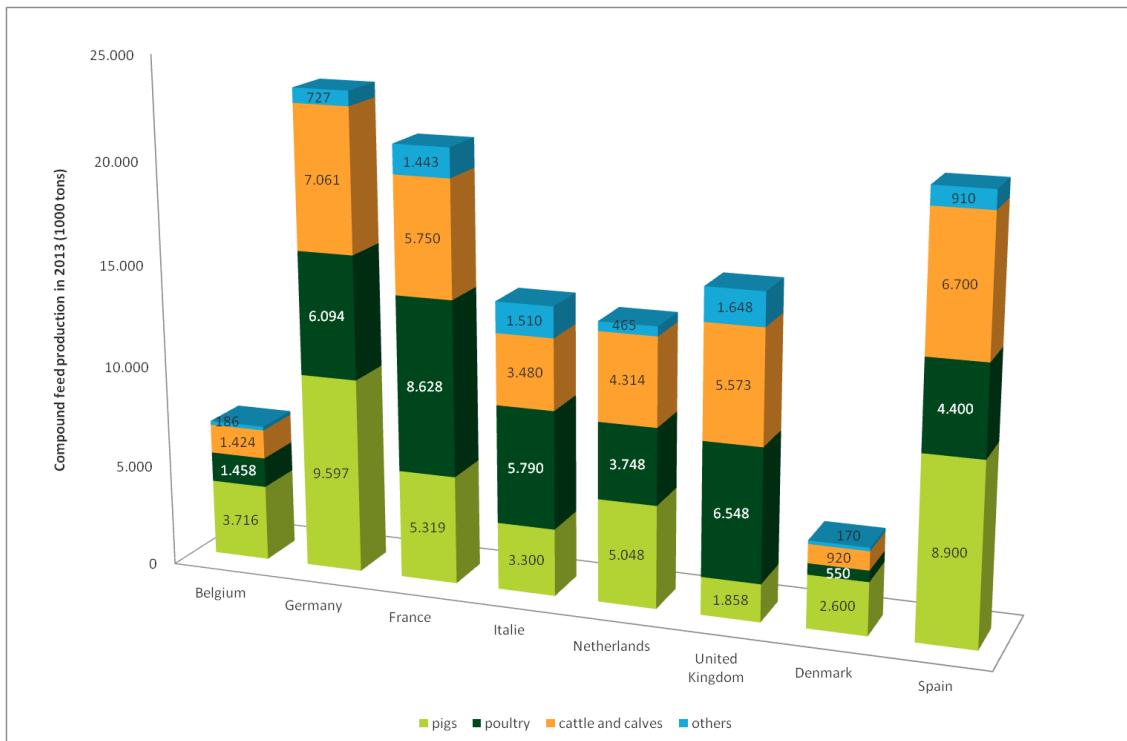
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1 European animal feed industry

1.1 Compound feed production in the main EU member states in 2013 (1000 tons)

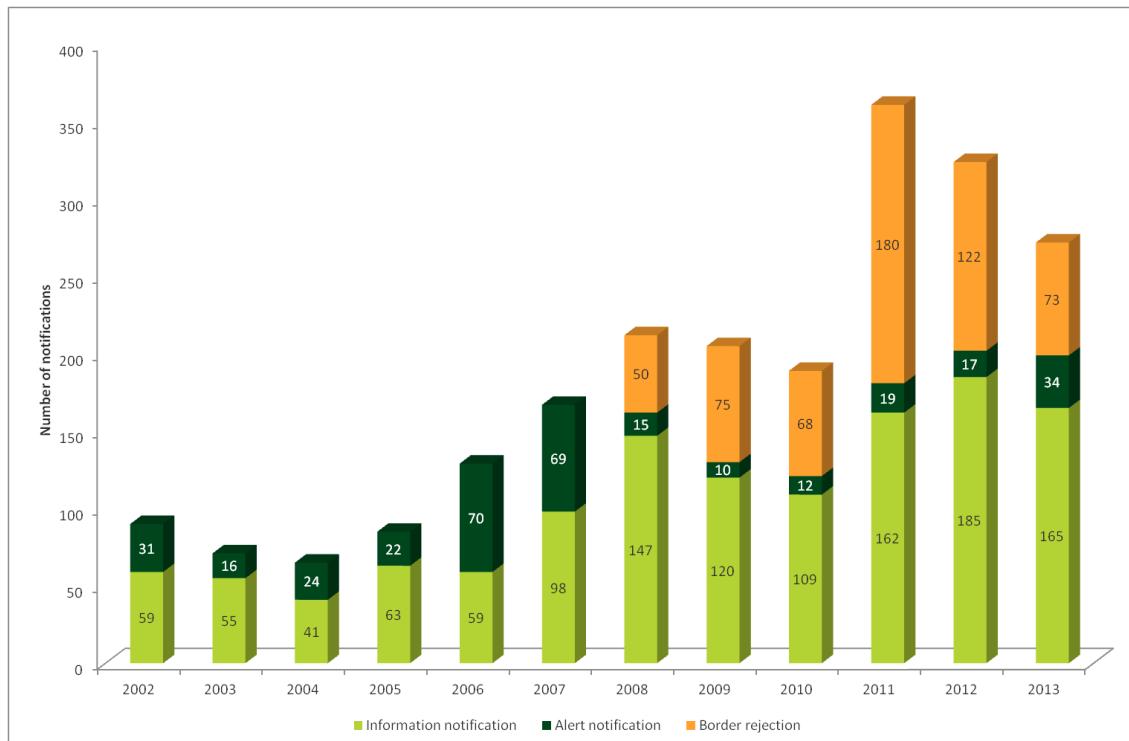


Source: Fefac, European Commission, own calculations (cf. annex 2 p. 40)

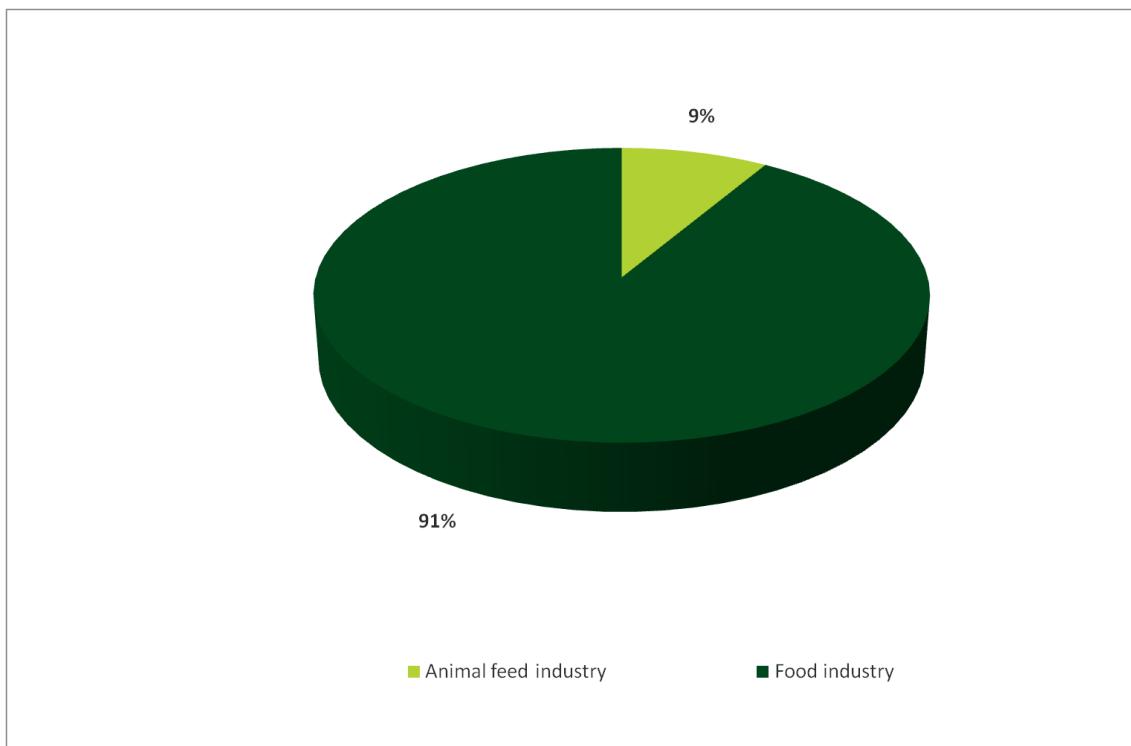
1.2 Overview RASFF notifications (*Rapid Alert System for Food and Feed*) for the feed industry

Source: Fefac

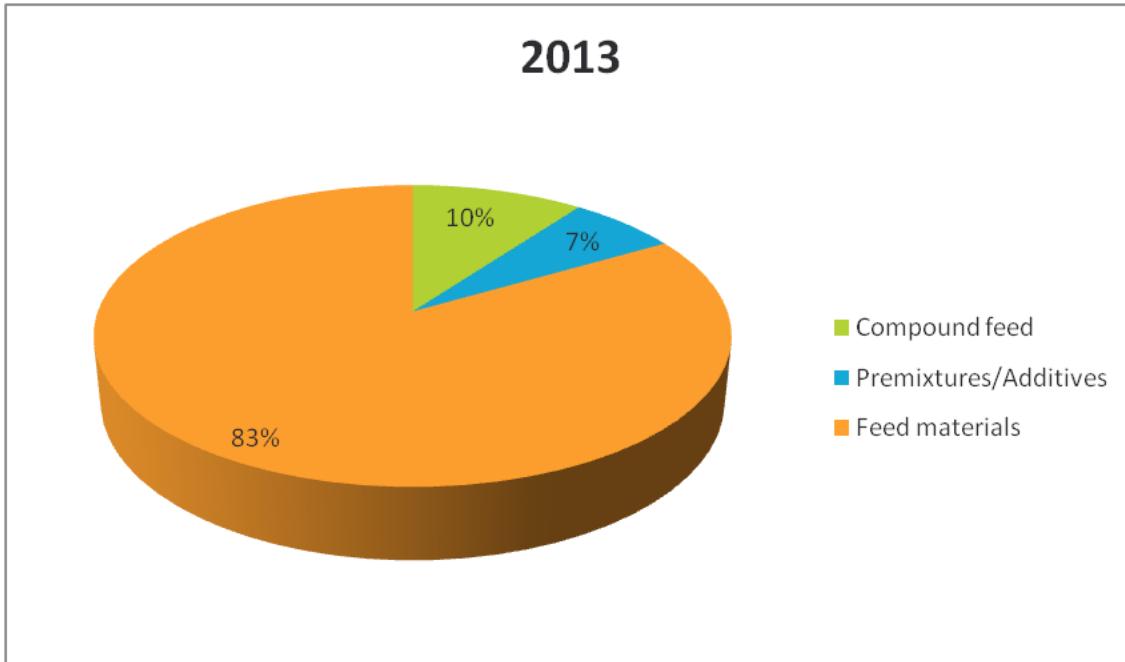
1.2.1 Alerts transmitted by the feed industry (2002 – 2013)



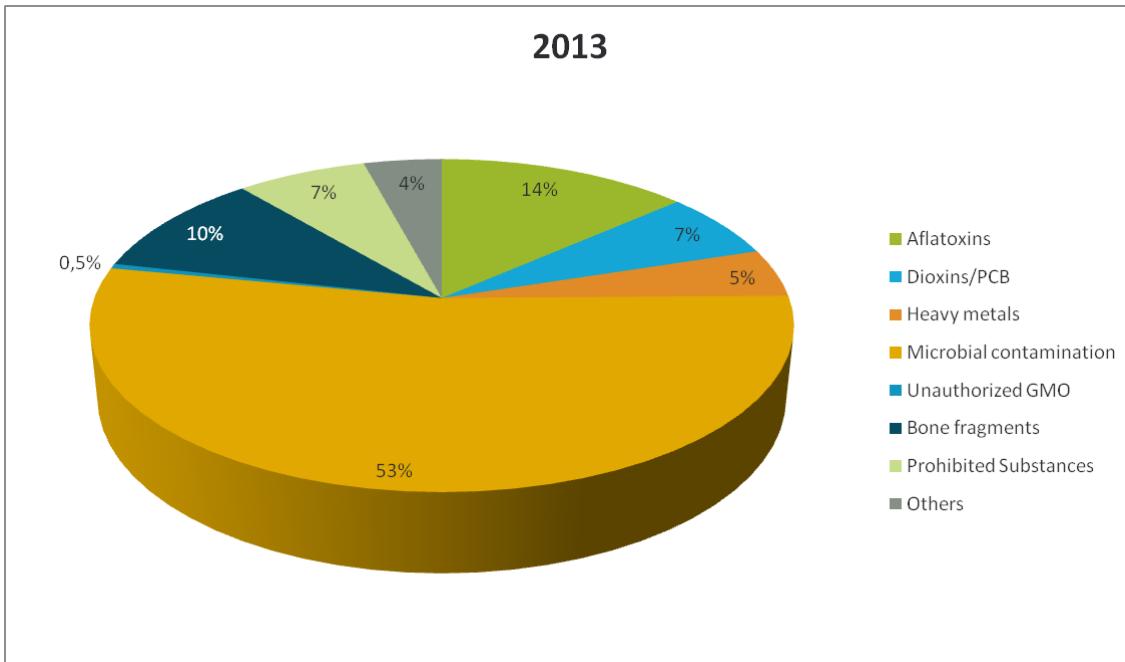
1.2.2 Share of feed industry in total number alerts (2013)



1.2.3 Alerts transmitted by the feed industry (2013) for different types of products (except petfood humid and dry)



1.2.4 Alerts transmitted by the feed industry (2013) for different types of contaminations (except petfood humid and dry)



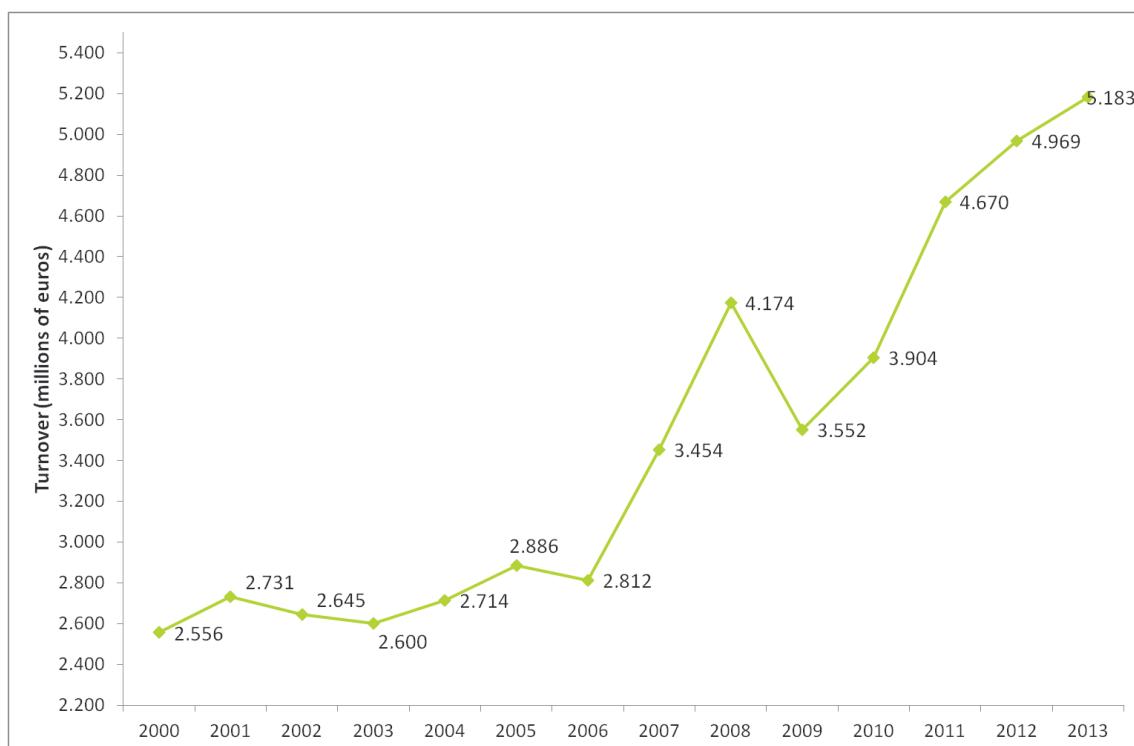
2 Animal feed production in Belgium

2.1 Turnover of the Belgian compound feed industry

Source: CRB (Central Economic Council): turnover based on the VAT declarations

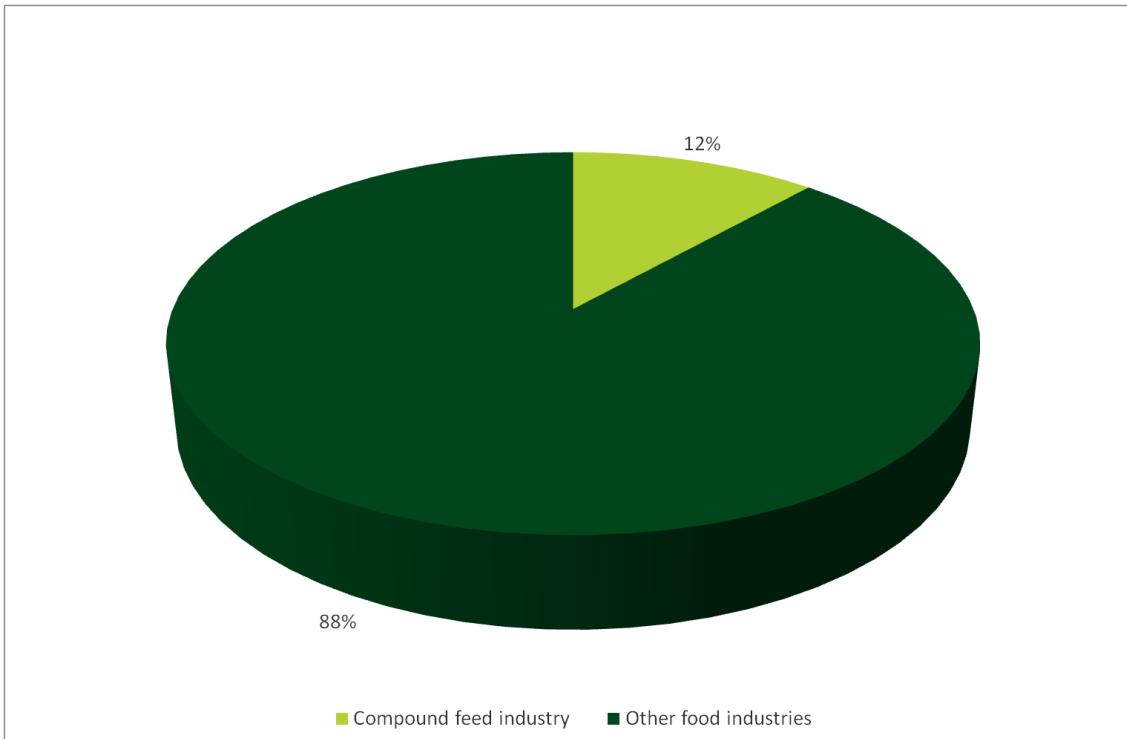
2.1.1 Turnover of the Belgian compound feed manufacturers (2000 – 2013) (in millions of euros)

Compound animal feed (including premixtures and petfood)



Notice: Because of a changes to the privacy legislation, figures of the past years might be different from those that have been published in older reports.

2.1.2 Share of the compound feed industry in relation to the food industry (2013)

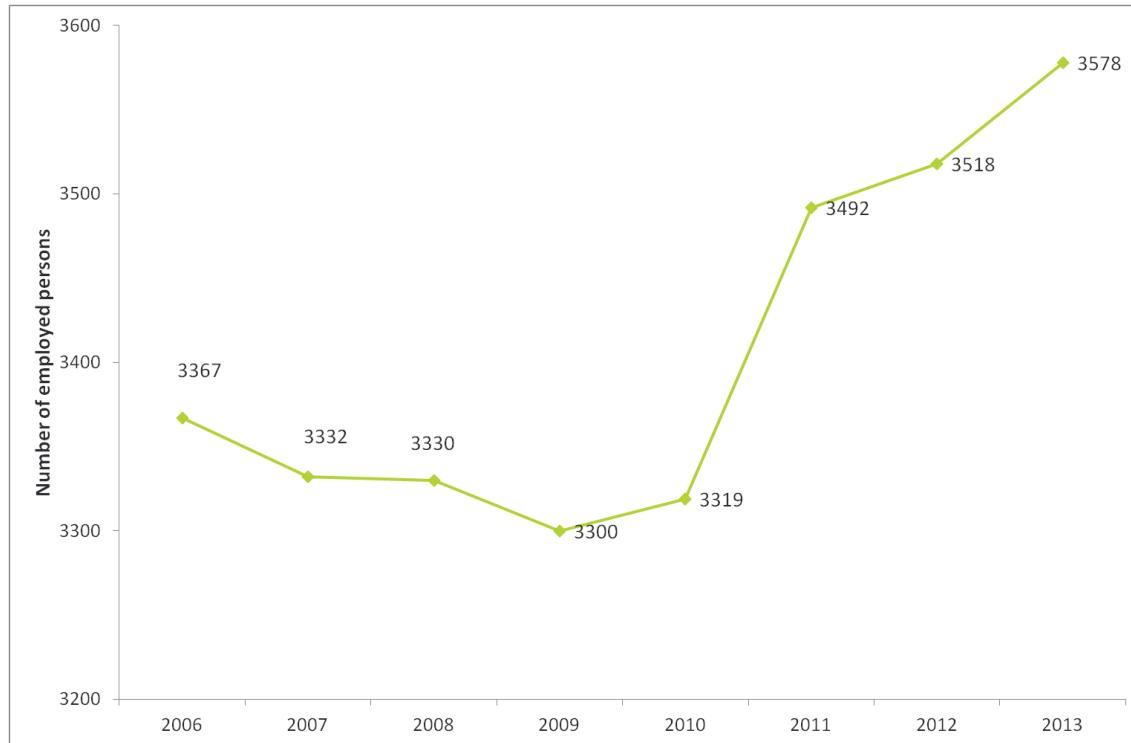


2.2 Employment in the Belgian compound feed industry

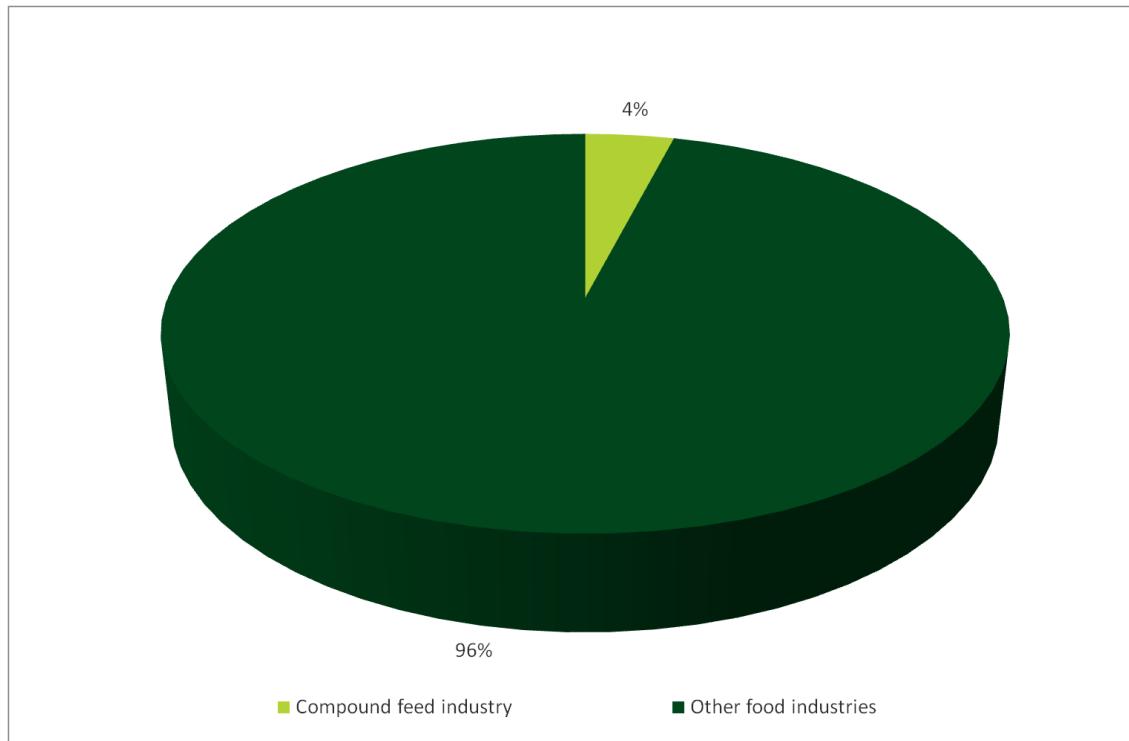
Because of changes in the methodology (other source), it is not possible to back very far in time.

Source: RSZ

2.2.1 Number of workers in the Belgian compound feed industry (2006 – 2013)



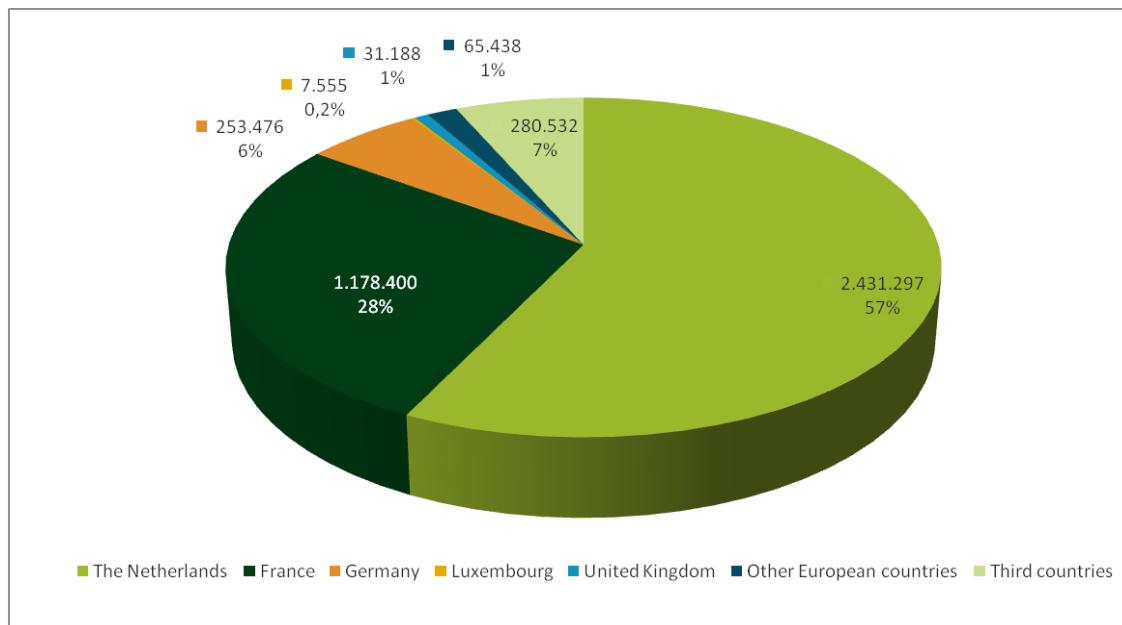
2.2.2 Share of the compound feed industry in relation to the food industry



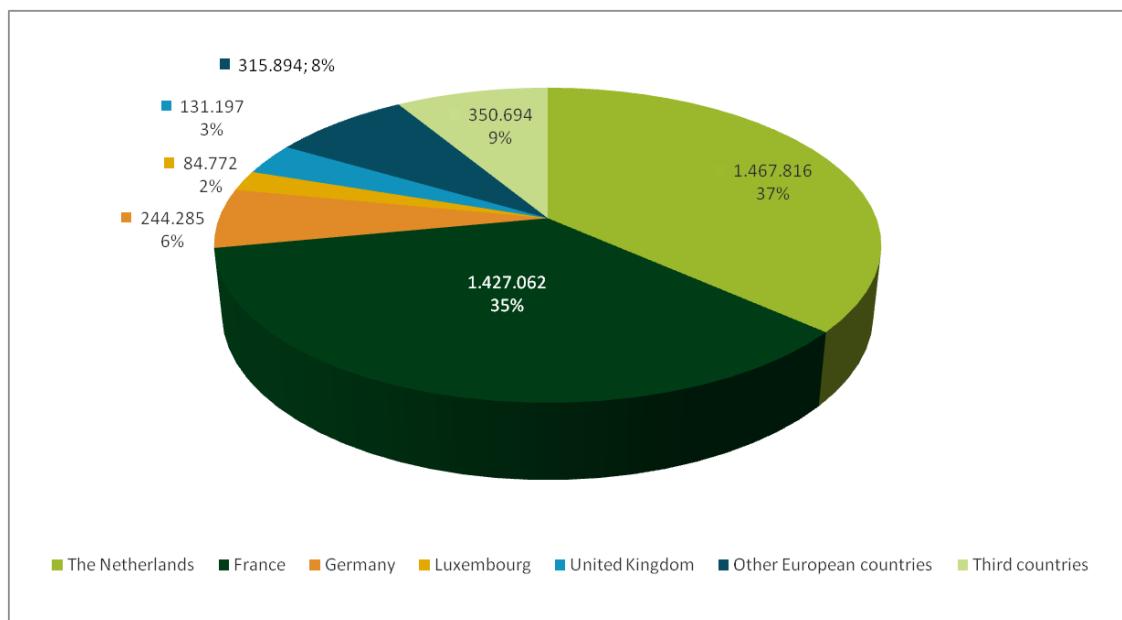
2.3 Import and export of animal feed in 2013

Source: National Bank from Belgium, export statistics of products with nomenclature 23091011 to 23099095 (including petfood, fish solubles and marine mammal solubles, beet pulp-molassed and premixtures)

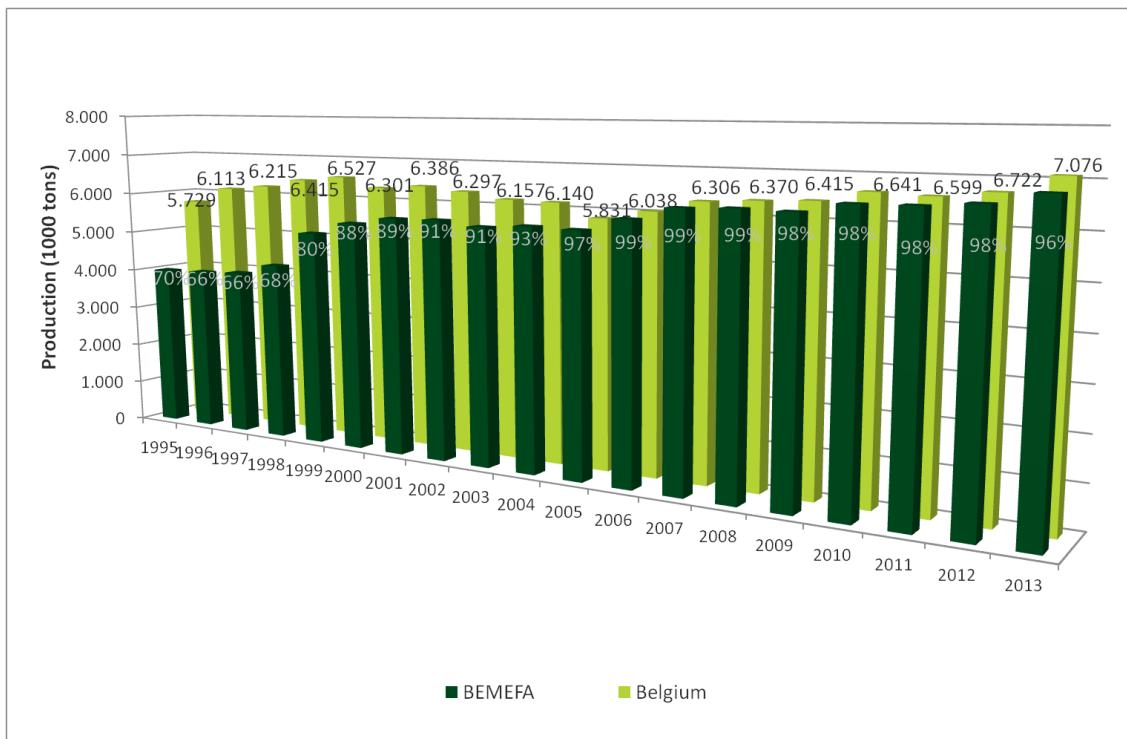
2.3.1 Import of animal feed into Belgium in 2013 (tons; % of the total imports)



2.3.2 Export of animal feed from Belgium in 2013 (tons; % of the total exports)



2.4 Production by the Belgian affiliates of BEMEFA vs the total Belgian compound feed production (1000 tons)



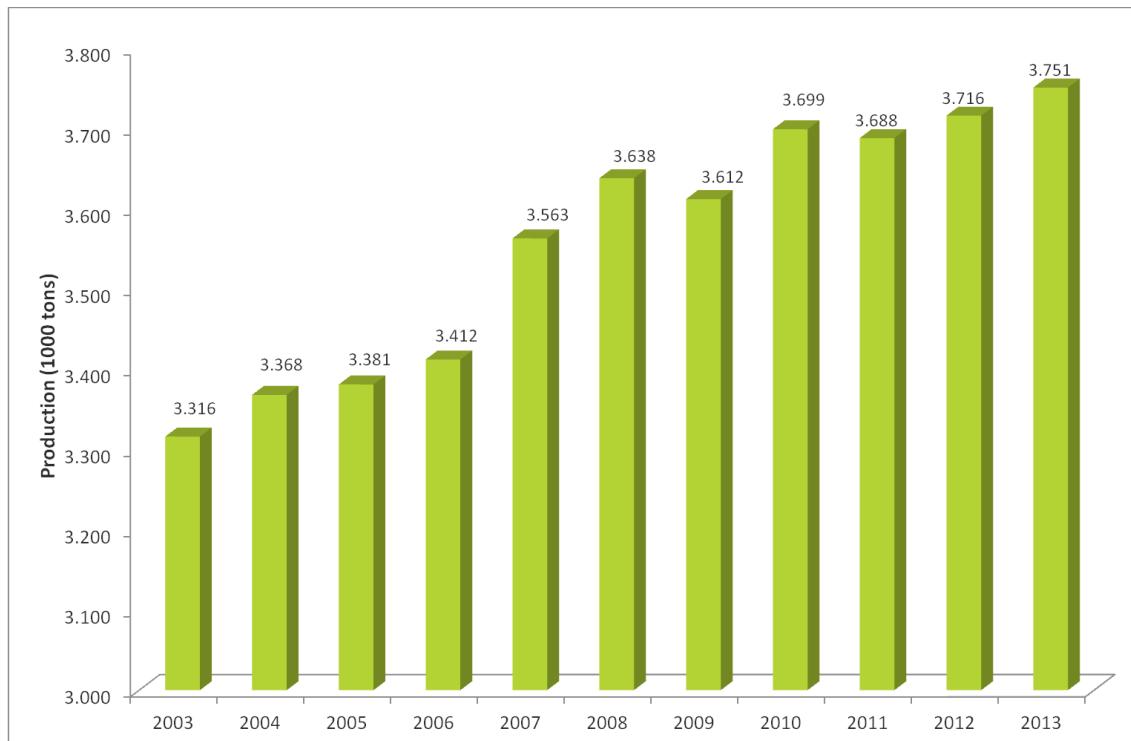
Source: Production by the affiliates of BEMEFA: BEMEFA statistics (including export by Belgian affiliates, except import of animal feed from the Netherlands and Luxemburg, premixtures are not included).
 Total Belgian production: NIS- monthly statistics (premixtures are not included)

2.5 Evolution of the production of pork, poultry, cattle, calf feed and other feed (Belgian affiliates of BEMEFA)

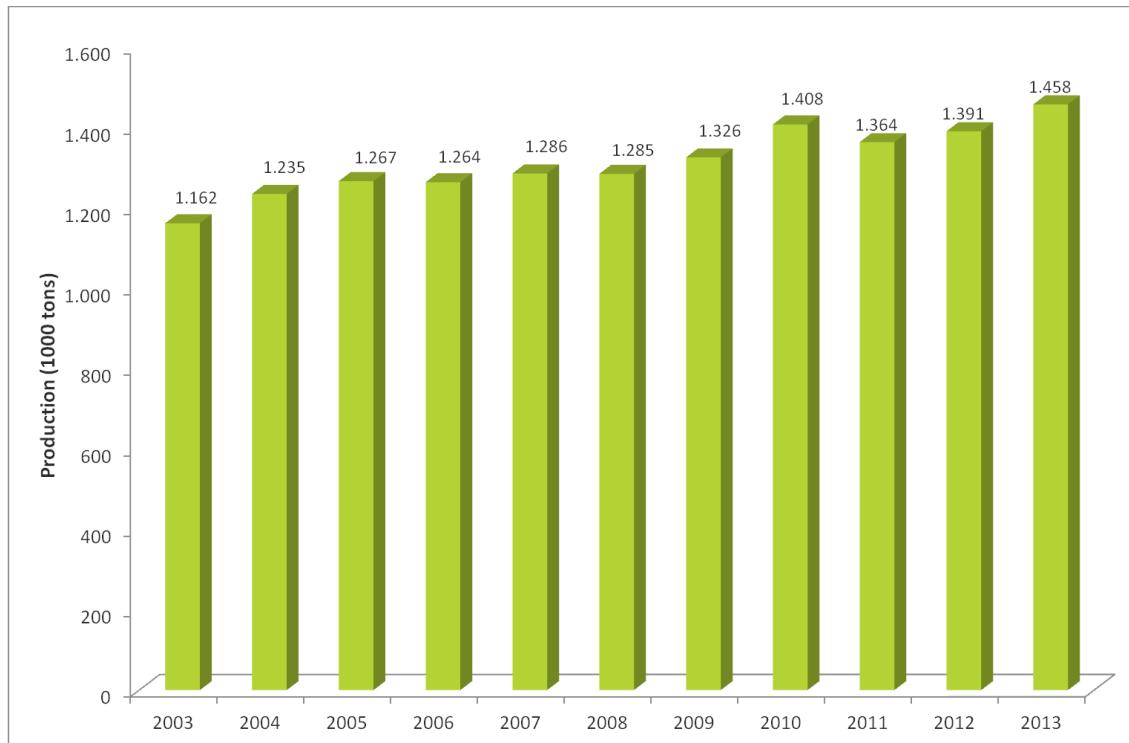
Because of changes in the methodology (other source), it is not possible to back very far in time.

Source: BEMEFA (cf. annex 1 p. 31: 2013)

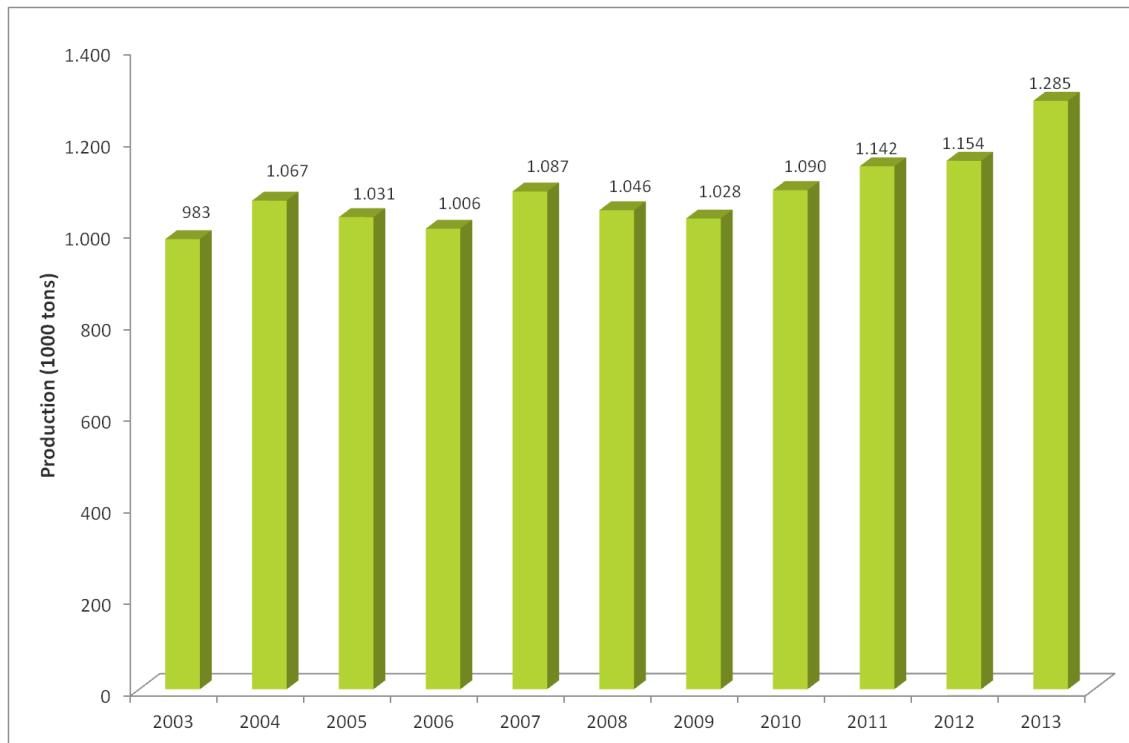
2.5.1 Evolution of the production of pork feed (1000 tons)



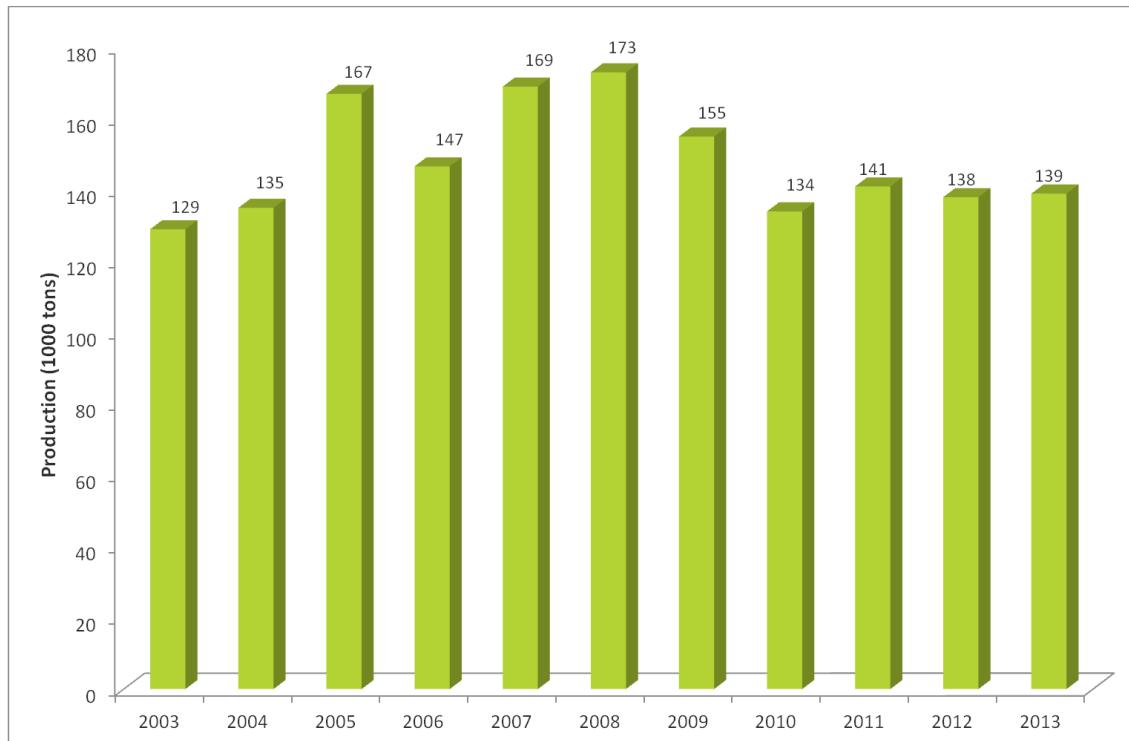
2.5.2 Evolution of the production of poultry feed (1000 tons)



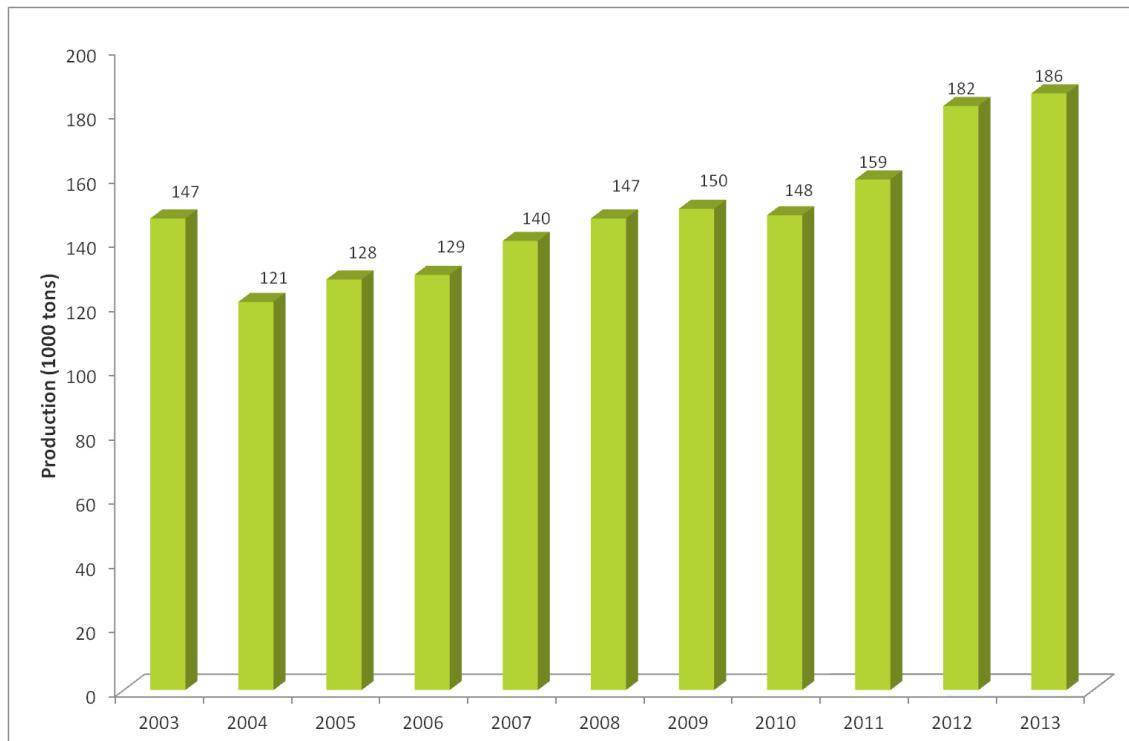
2.5.3 Evolution of the production of cattle feed, except calf feed (1000 tons)



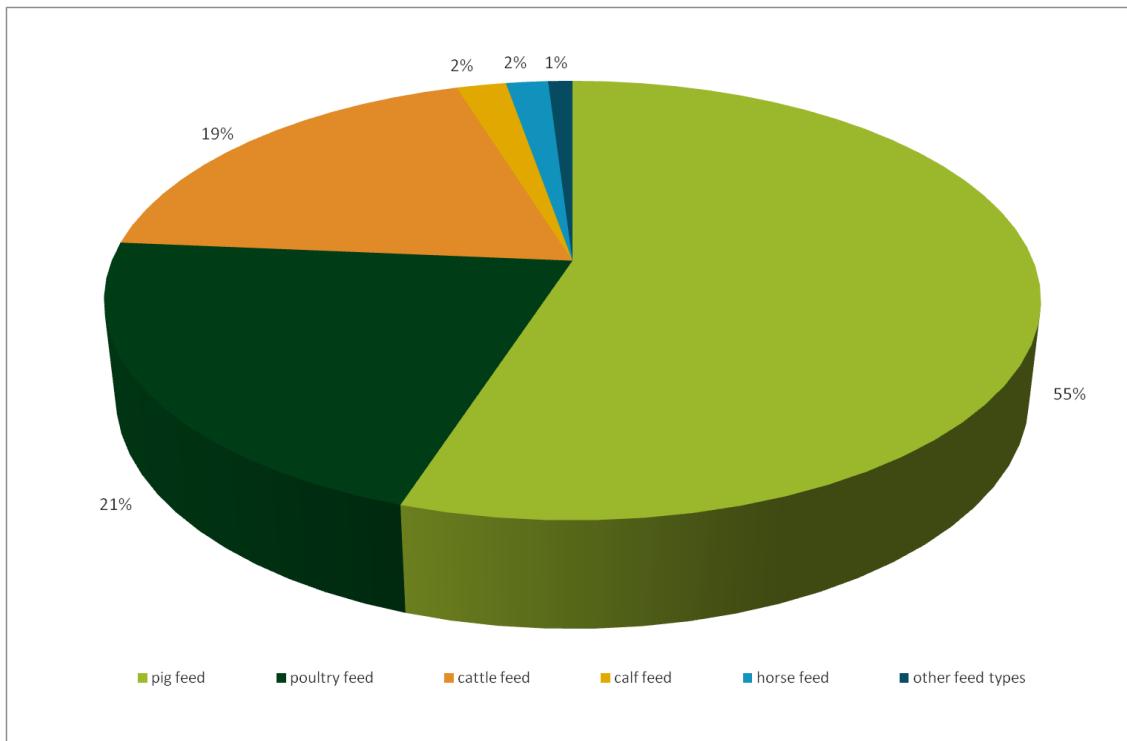
2.5.4 Evolution of the production of calf feed (1000 tons)



2.5.5 Evolution of the production of other feed, including horse feed (1000 tons)



2.6 Share of different feed types in total production by the Belgian affiliates of BEMEFA in 2013

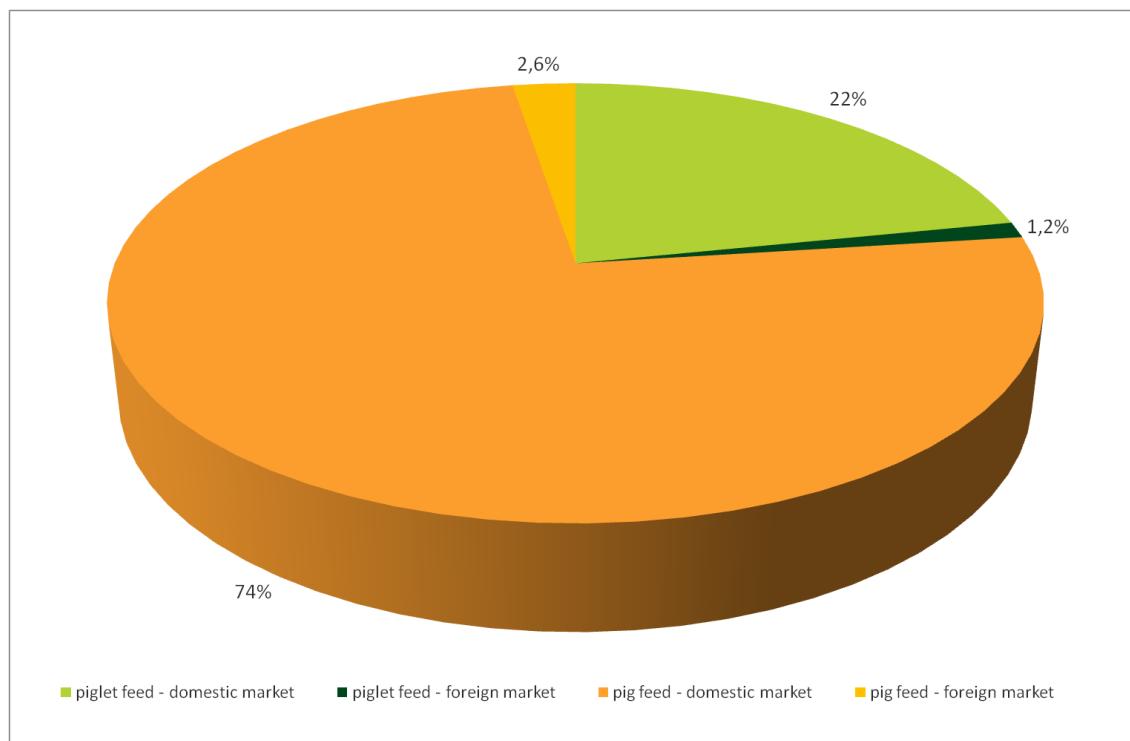


Source: BEMEFA (cf. annex 1 p. 31)

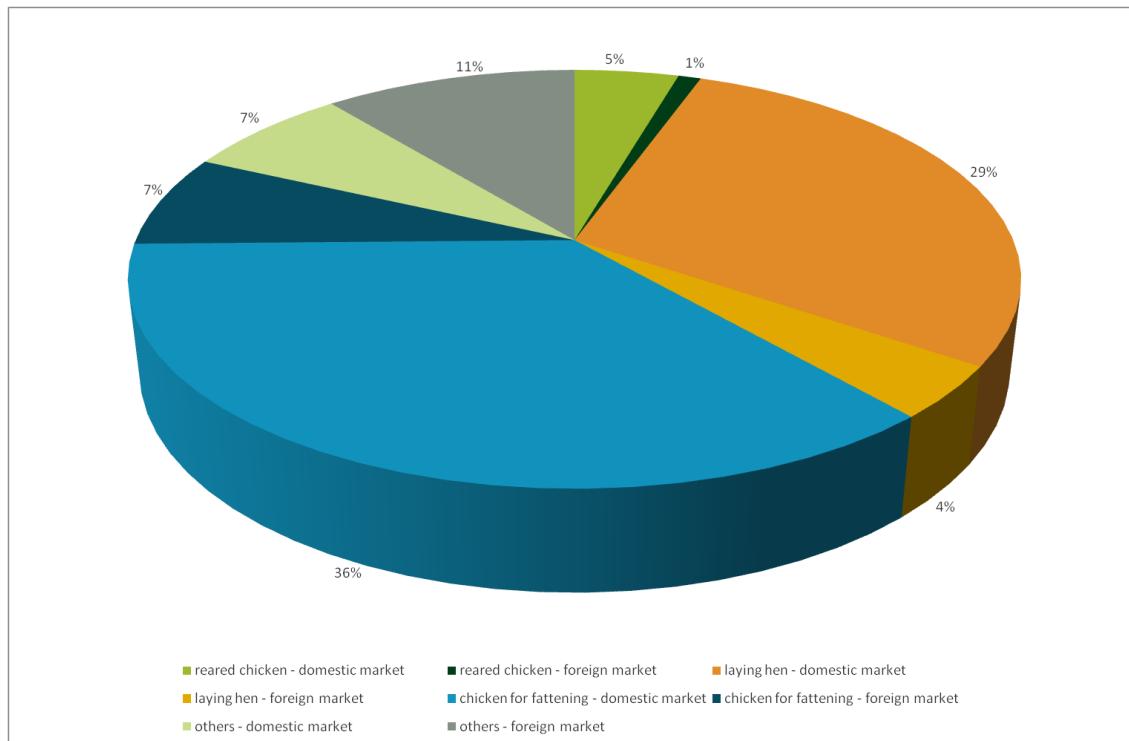
2.7 Production of feed and premixes for different species of animals in 2013 (Belgian affiliates of BEMEFA)

Source: BEMEFA (cf. annex 1 p. 31)

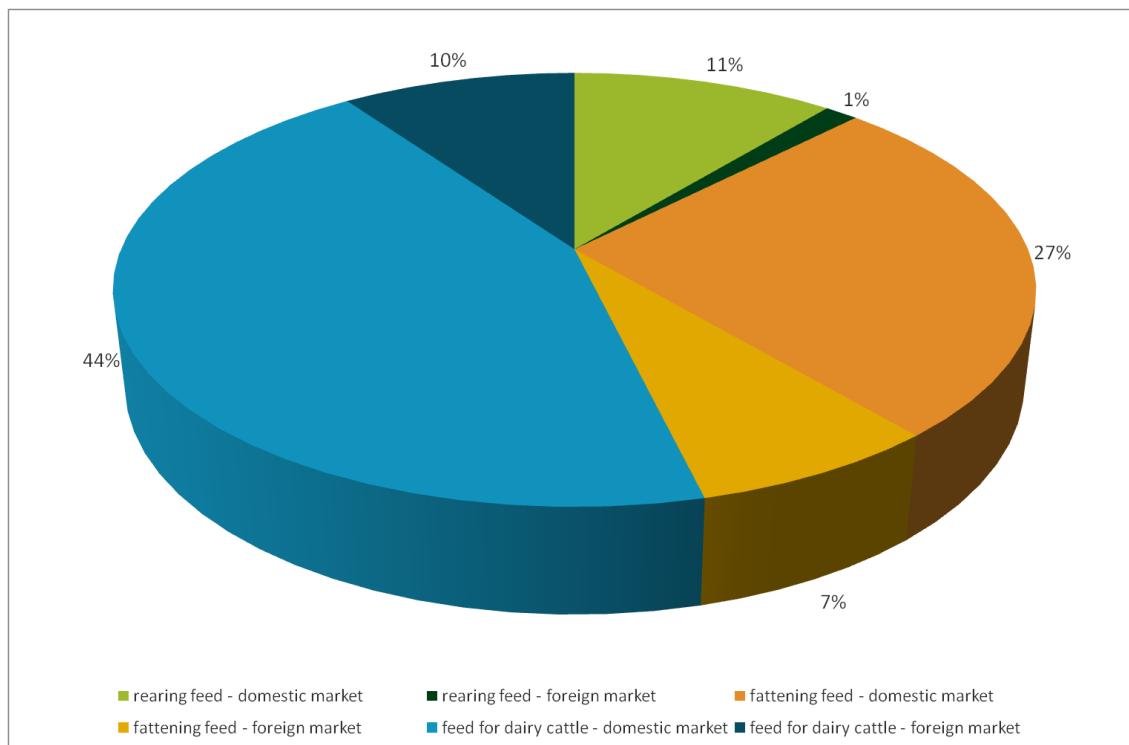
2.7.1 Production of different types of pork feed in 2013 (%)



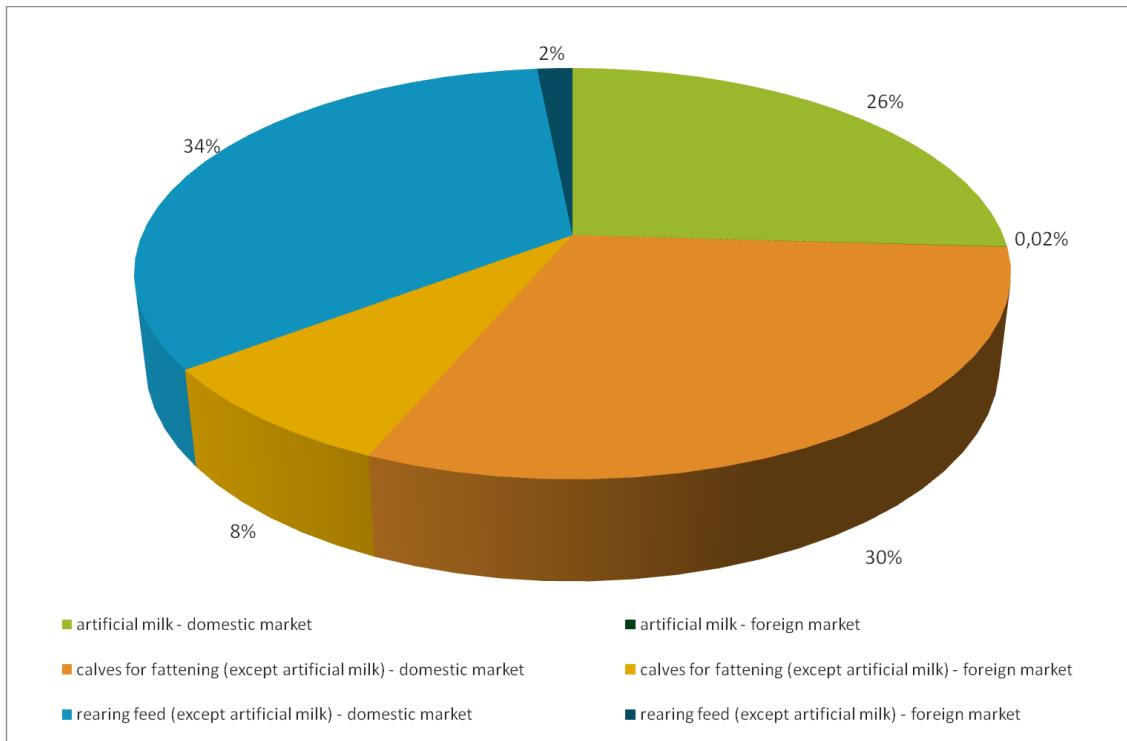
2.7.2 Production of different types of poultry feed in 2013 (%)



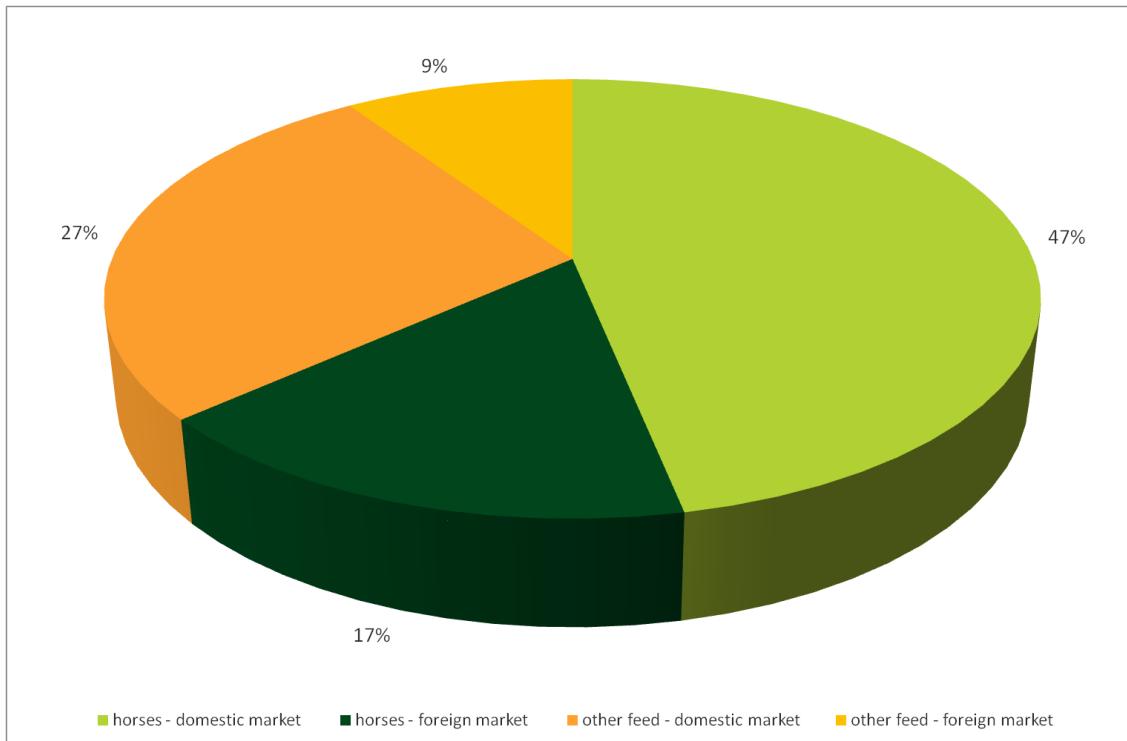
2.7.3 Production of different types of cattle feed in 2013, except calf feed (%)



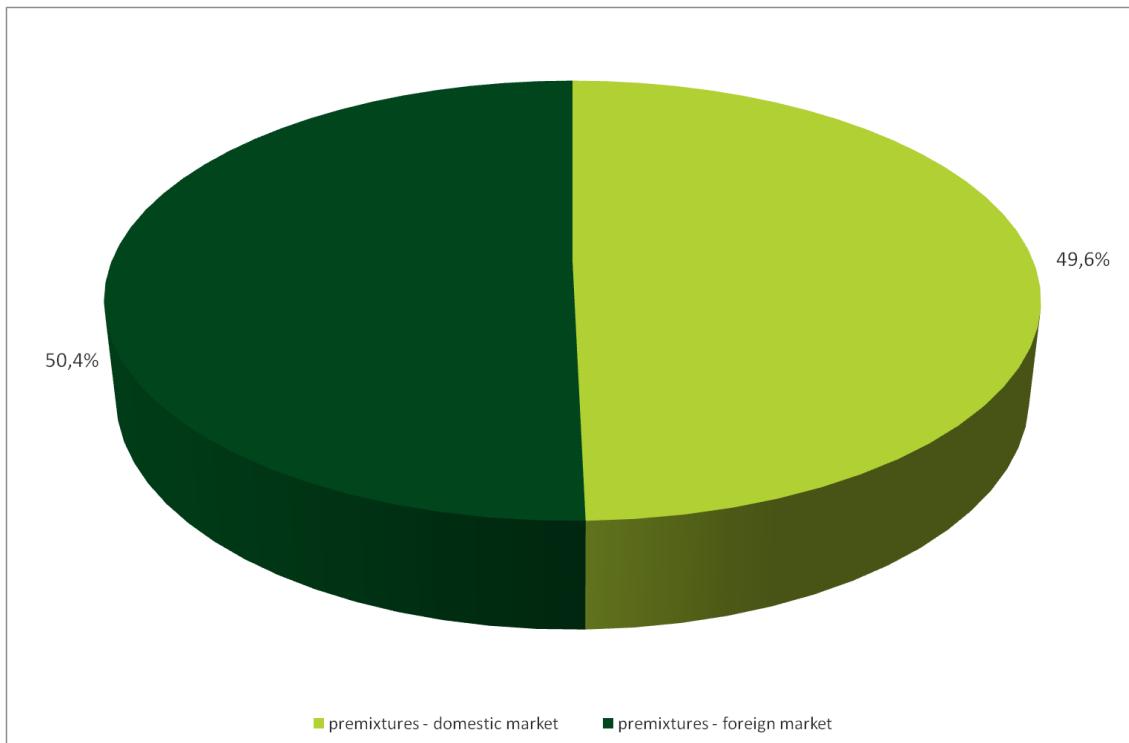
2.7.4 Production of different types of calf feed in 2013 (%)



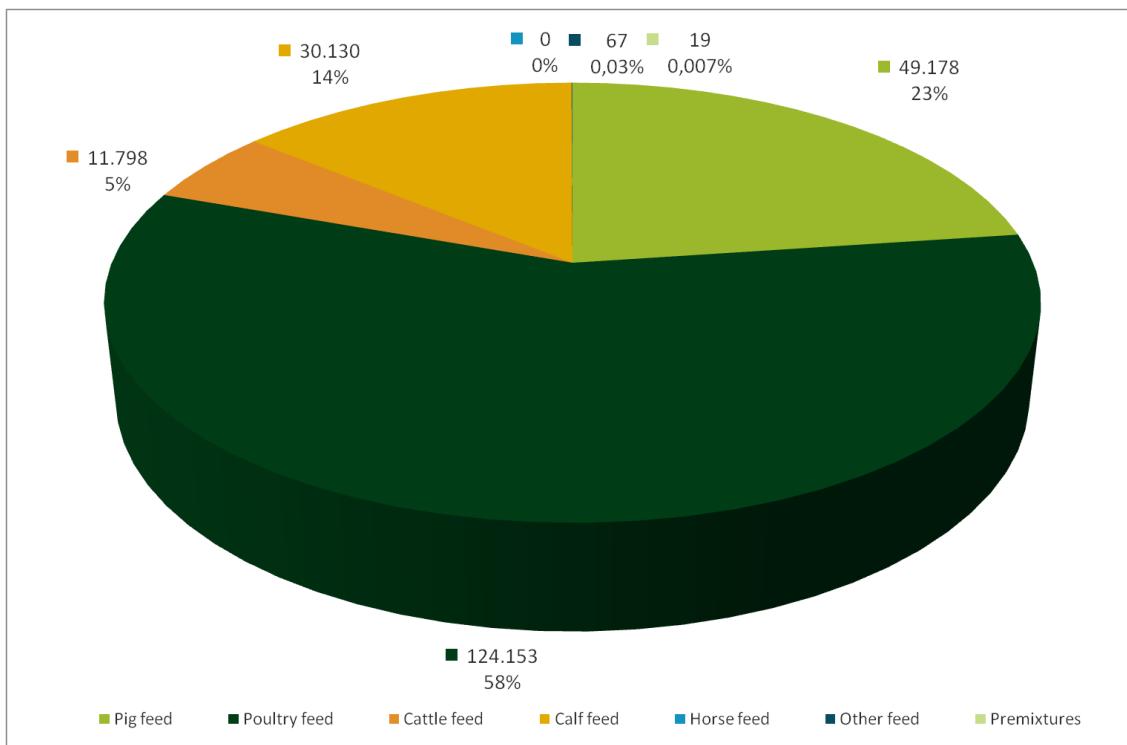
2.7.5 Production of different other types of feed in 2013, including horse feed (%)



2.7.6 Production of different types of premixes in 2013 (%)

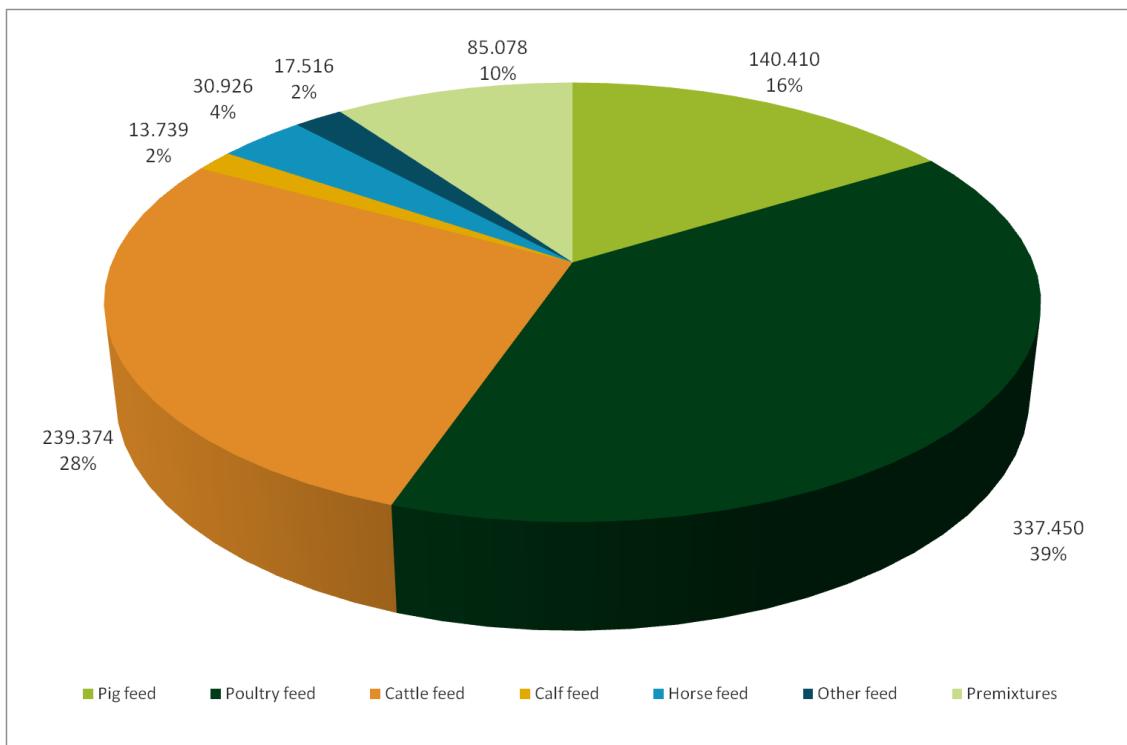


2.8 Import of compound feed and premixes into Belgium by non-affiliates of BEMEFA in 2013 (tons; % of total import)



Source: BEMEFA (cf. annex 1 p. 31)

2.9 Export of compound feed and premixes by Belgian affiliates of BEMEFA in 2013 (tons; % of total exports)



Source: BEMEFA (cf. annex 1 p. 31)

3 Raw materials used in the Belgian animal feed industry

Source: BEMEFA – The inventory, completed by the affiliates every year within the context of their participation in the monitoring plan for the food safety (monitoring of undesirable substances). The inventory contains data of the year before. In this case, the collected data are the data for 2012. (cf. annex 3)

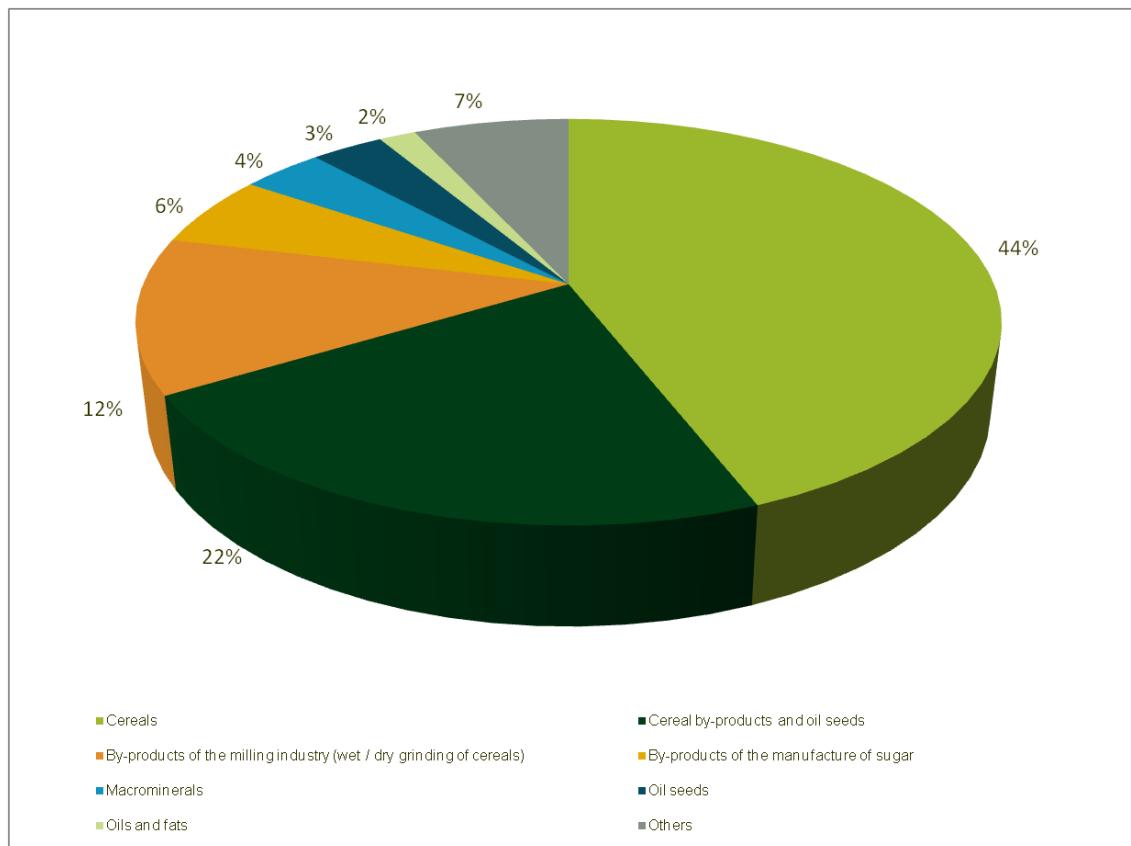
Notice: This information has to be treated with caution. The data are rather overestimated because,

- a) For some raw materials, the amount of goods for resale can be considerable;
- b) Sometimes the volumes of raw materials declared in the inventory are higher than actually imported in Belgium (Foreign companies can decide to cover the quantities of raw materials used for the production of compound feed with destination other markets than the Belgian market, by the sector based sampling plan);
- c) The volume of goods in transit cannot always be deducted from these figures;
- d) The export of some types of animal feed can be considerably higher

The majority of the materials used for the production of compound feed are feed materials (97% of total use). Besides feed materials, are also used: additives and premixes.

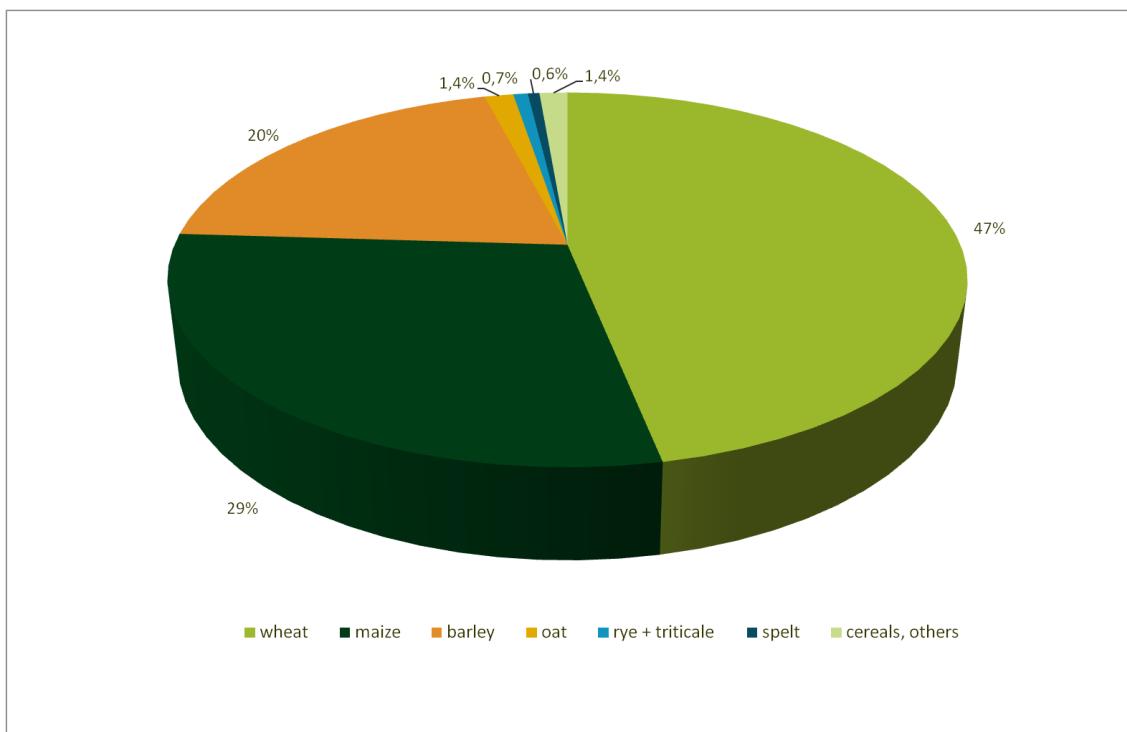
3.1 Raw materials used in the Belgian animal feed industry in 2012

3.1.1 Total volume of raw materials used in the Belgian animal feed industry in 2012 (%)



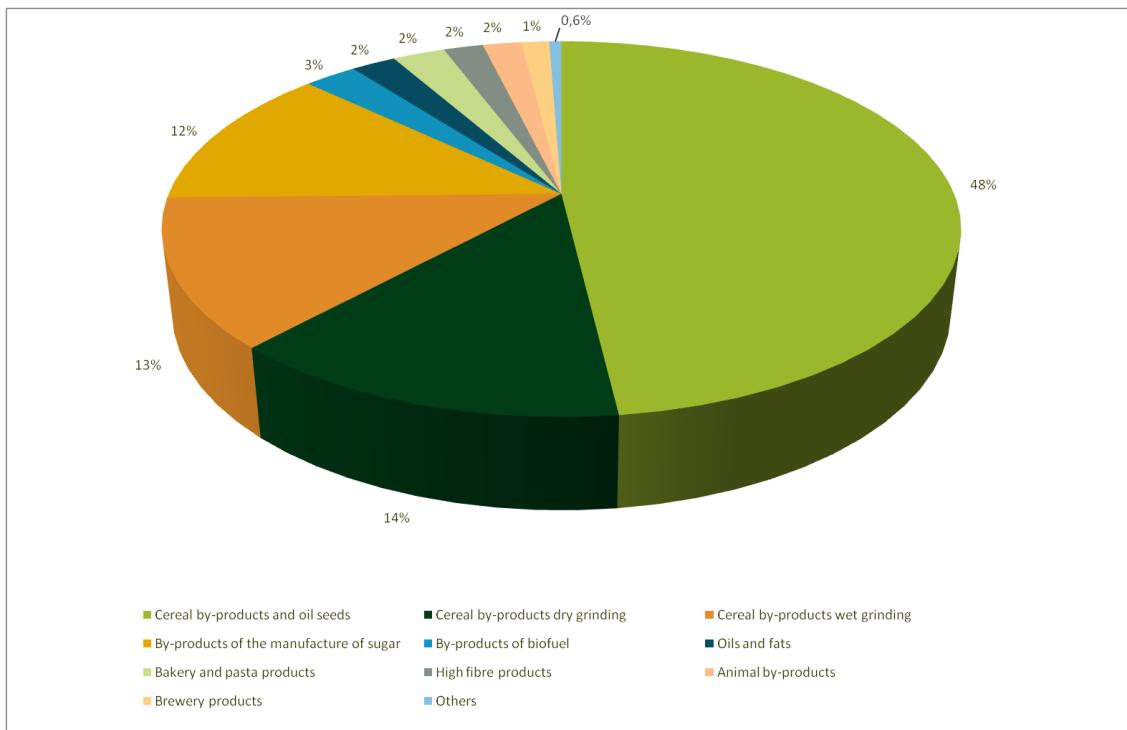
Notice: The group 'others' contains e.g. following raw materials: bakery products, by products of biofuel production, brewery products, animal by-products, fruits & vegetables, dried fodder, yeast, high fibre products, tubers and roots, seed and pulse.

3.1.2 Cereals used in the Belgian animal feed industry in 2012 (%)



Notice: The group 'cereals, others' contains e.g. rice, millet, sorghum, milo, dari and buckwheat.

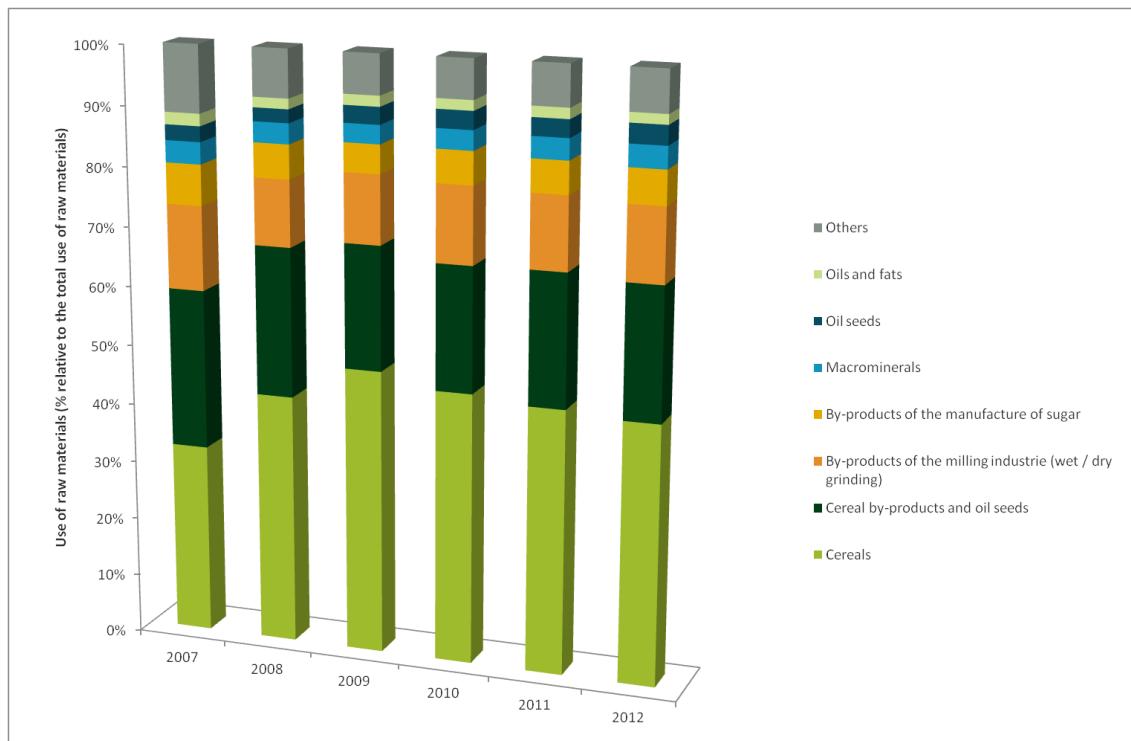
3.1.3 By-products used in the Belgian animal feed industry in 2012 (%)



Notice: Only raw materials that are cataloged as by-products have been taken into consideration.
The group 'others' contains e.g. following materials: fruits and vegetables, tubers and roots, macrominerals.

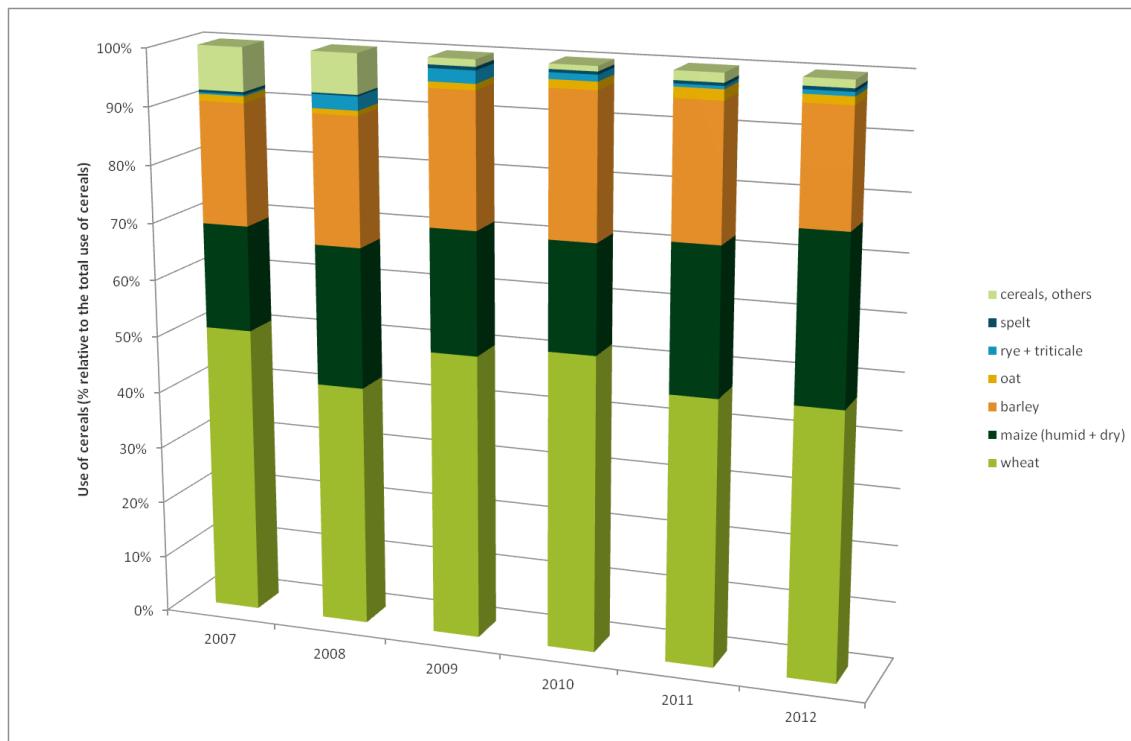
3.2 Evolution of the volume of raw materials used in the Belgian animal feed industry

3.2.1 Evolution of the total volume of raw materials used in the Belgian animal feed industry (2007-2012)



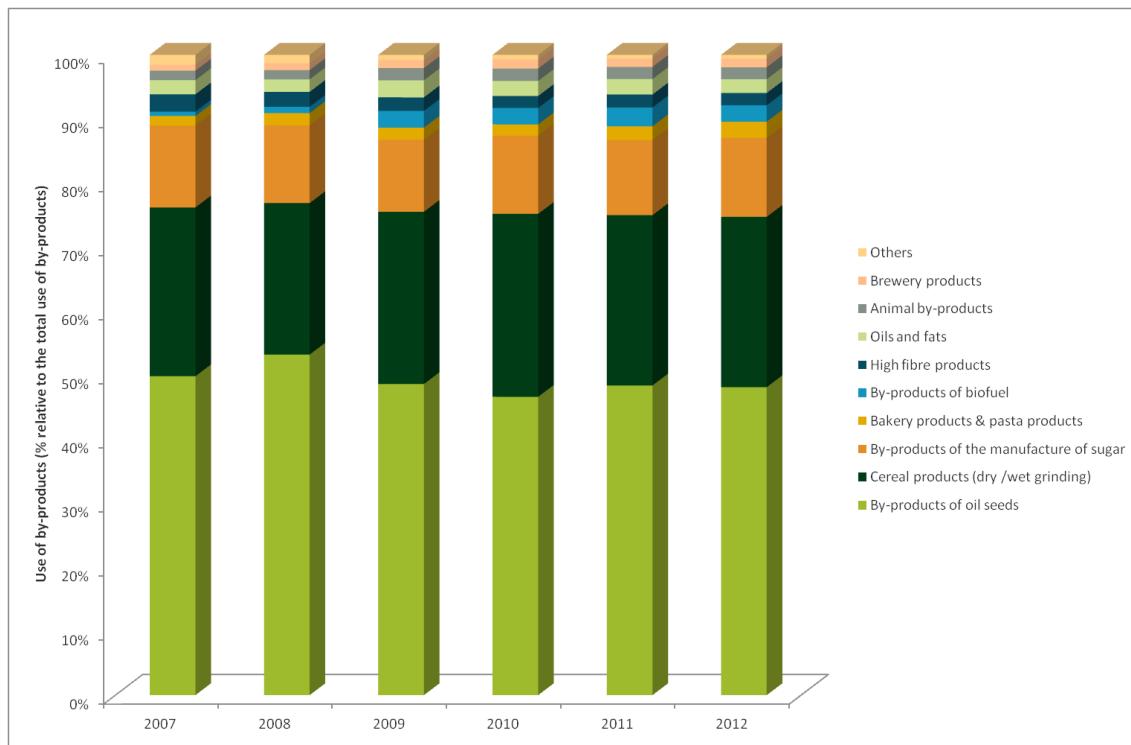
Notice: The group 'others' contains e.g. following raw materials: bakery products, by products of biofuel production, brewery products, animal by-products, fruits & vegetables, dried fodder, yeast, high fibre products, tubers and roots, seed and pulse.

3.2.2 Evolution of the total volume of cereals used in the Belgian animal feed industry (2007-2012)



Notice: The group 'cereals, others' contains e.g. rice, millet, sorghum, milo, dari and buckwheat.

3.2.3 Evolution of the total volume of by-products used in the Belgian animal feed industry (2007-2012)



Notice: Only raw materials that are catalogued as by-products have been taken into consideration.
The group 'others' contains e.g. following materials: fruits and vegetables, tubers and roots, macrominerals.

Annex 1: BEMEFA production in 2013

Source: BEMEFA

Notice: The manufacturers are classified in different categories according to their size (total compound feed production). Except for import, only the production of the Belgian affiliates has been taken into consideration.

B1.1 Production of compound feed / premixes for different animal species and production classes: domestic market + export from Belgium (tons) by Belgian affiliates in 2013

Tons	< 50.000	50- 100.000	100-150.000	> 150.000	Total
pig feed	600.640	468.049	373.869	2.308.837	3.751.395
poultry feed	173.347	114.640	45.635	1.124.562	1.458.184
cattle feed	402.258	108.721	45.668	729.078	1.285.725
calf feed	50.514	17.275	5.287	66.204	139.280
horse feed	41.496	607	296	75.661	118.060
other feed types	51.558	1.894	2.936	11.729	68.117
Premixtures					168.903
TOTAL FEED	1.319.813	711.186	473.691	4.316.071	6.820.761
% feed production	19%	10%	7%	63%	100%
TOTAL FEED + PREMIXTURES					6.989.664
Number of manufacturers (premixtures included)	106	11	4	10	131
% of manufacturers	81%	8%	3%	8%	100%

B1.1.1 Pork feed for each production class in 2013: domestic market + export from Belgium (tons)

	Tons	< 50.000	50- 100.000	100-150.000	> 150.000	total
piglet feed	domestic market	141.876	90.271	92.601	494.234	818.982
		17%	11%	11%	60%	
	foreign market	19.421	4.709	297	19.084	43.511
		45%	11%	0,7%	44%	
	total	161.297	94.980	92.898	513.318	862.493
	domestic market	429.912	351.561	278.429	1.732.101	2.792.003
pig feed		15%	13%	10%	62%	
	foreign market	9.431	21.508	2.542	63.418	96.899
		10%	22%	3%	65%	
	total	439.343	373.069	280.971	1.795.519	2.888.902
Total domestic market		571.788	441.832	371.030	2.226.335	3.610.985
		16%	12%	10%	62%	
Total foreign market		28.852	26.217	2.839	82.502	140.410
Final total		600.640	468.049	373.869	2.308.837	3.751.395
Number of manufacturers		71	10	4	10	95
		75%	11%	4%	11%	

B1.1.2 Poultry feed for each production class in 2013: domestic market + export from Belgium (tons)

	Tons	< 50.000	50- 100.000	100-150.000	> 150.000	total
reared chicken	domestic market	9.443	12.041	1.939	42.463	65.886
		14%	18%	3%	64%	
	foreign market	847	227	1.112	12.124	14.310
		6%	2%	8%	85%	
	total	10.290	12.268	3.051	54.587	80.196
laying hen	domestic market	25.599	32.913	5.781	358.261	422.554
		6%	8%	1%	85%	
	foreign market	6.273	352	0	52.573	59.198
		11%	1%	0%	89%	
	total	31.872	33.265	5.781	410.834	481.752
chicken for fattening	domestic market	80.062	10.380	28.057	409.003	527.502
		15%	2%	5%	78%	
	foreign market	1.151	57.938	5.894	39.363	104.346
		1,1%	56%	6%	38%	
	total	81.213	68.318	33.951	448.366	631.848
others	domestic market	27.824	717	2.158	74.093	104.792
		27%	1%	2%	71%	
	foreign market	22.148	72	694	136.682	159.596
		14%	0,05%	0,4%	86%	
	total	49.972	789	2.852	210.775	264.388
Total domestic market		142.928	56.051	37.935	883.820	1.120.734
		13%	5%	3%	79%	
Total foreign market		30.419	58.589	7.700	240.742	337.450
Final total		173.347	114.640	45.635	1.124.562	1.458.184
Number of manufacturers		49	9	3	7	68
		72%	13%	4%	10%	

B1.1.3 Cattle feed for each production class in 2013: domestic market + export from Belgium (tons)

	Tons	< 50.000	50- 100.000	100-150.000	> 150.000	total
rearing feed	domestic market	65.074	26.143	6.009	44.202	141.428
		46%	18%	4%	31%	
	foreign market	3.917	1.205	607	12.276	18.005
		22%	7%	3%	68%	
total		68.991	27.348	6.616	56.478	159.433
fattening feed	domestic market	153.407	31.096	15.348	139.816	339.667
		45%	9%	5%	41%	
	foreign market	39.006	820	85	55.338	95.249
		41%	1%	0,1%	58%	
total		192.413	31.916	15.433	195.154	434.916
feed for dairy cattle	domestic market	131.663	39.081	23.288	371.224	565.256
		23%	7%	4%	66%	
	foreign market	9.191	10.376	331	106.222	126.120
		7%	8%	0,3%	84%	
total		140.854	49.457	23.619	477.446	691.376
Total domestic market		350.144	96.320	44.645	555.242	1.046.351
		33%	9%	4%	53%	
Total foreign market		52.114	12.401	1.023	173.836	239.374
		22%	5%	0,4%	73%	
Final total		402.258	108.721	45.668	729.078	1.285.725
		31%	8%	4%	57%	
Number of manufacturers		79	10	3	9	101
		78%	10%	3%	9%	

B1.1.4 Calf feed for each production class in 2013: domestic market + export from Belgium (tons)

	Tons	< 50.000	50- 100.000	100-150.000	> 150.000	total
artificial milk	domestic market	35.217	126	11	734	36.088
		98%	0,3%	0,03%	2%	
	foreign market	0	0	0	25	25
		0%	0%	0%	100%	
	total	35.217	126	11	759	36.113
calves for fattening (except artificial milk)	domestic market	1.237	670	0	40.555	42.462
		3%	2%	0%	96%	
	foreign market	30	0	0	11.516	11.546
	total	1.267	670	0	52.071	54.008
rearing feed (except artificial milk)	domestic market	13.314	16.108	5.043	12.526	46.991
		28%	34%	11%	27%	
	foreign market	716	371	233	848	2.168
	total	14.030	16.479	5.276	13.374	49.159
Total domestic market		49.768	16.904	5.054	53.815	125.541
		40%	13%	4%	43%	
Total foreign market		746	371	233	12.389	13.739
		5%	3%	2%	90%	
Final total		50.514	17.275	5.287	66.204	139.280
Number of manufacturers		62	7	3	8	80
		78%	9%	4%	10%	

B1.1.5 Horse feed and other feed for each production class in 2013: domestic market + export from Belgium (tons)

	Tons	< 50.000	50- 100.000	100-150.000	> 150.000	total
horses	domestic market	34.282	591	233	52.028	87.134
		39%	0,7%	0,3%	60%	
	foreign market	7.214	16	63	23.633	30.926
		23%	0,1%	0,2%	76%	
	Final total	41.496	607	296	75.661	118.060
		35%	0,5%	0,3%	64%	
	Number of manufacturers	51	6	2	7	66
		77%	9%	3%	11%	
other feed	domestic market	36.621	1.773	1.972	10.235	50.601
		72%	4%	4%	20%	
	foreign market	14.937	121	964	1.494	17.516
		85%	1%	6%	9%	
	Final total	51.558	1.894	2.936	11.729	68.117
		76%	2,8%	4,3%	17%	
	Number of manufacturers	50	7	2	4	63
		79%	11%	3%	6%	

B1.1.6 Premixes in 2013: domestic market + export from Belgium (tons)

	Tons	< 50.000	50- 100.000	100-150.000	> 150.000	total
premixtures	domestic market		83.825			83.825
	foreign market		85.078			85.078
	Final total		168.903			168.903
	Number of manufacturers		17			17

B1.2 Import of compound feed / premixes for different animal species by non-affiliates of BEMEFA in 2013

Tons	Total
Pig feed	49.178
Poultry feed	124.153
Cattle feed	11.798
Calf feed	30.130
Horse feed	0
Other feed	67
Premixtures	19
TOTAL FEED	215.326
TOTAL FEED + PREMIXTURES	215.345

B1.3 Export of compound feed / premixes for different animal species and production classes in 2013

Tons	< 50.000	50- 100.000	100-150.000	> 150.000	Total
Pig feed	28.852	26.217	2.839	82.502	140.410
Poultry feed	30.419	58.589	7.700	240.742	337.450
Cattle feed	52.114	12.401	1.023	173.836	239.374
Calf feed	746	371	233	12.389	13.739
Horse feed	7.214	16	63	23.633	30.926
Other feed	14.937	121	964	1.494	17.516
Premixtures					85.078
TOTAL FEED	134.282	97.715	12.822	534.596	779.415
TOTAL FEED + PREMIXTURES					864.493

B1.4 BEMEFA production in 2013: Overall total

Notice: The table below shows the production by the Belgian affiliates (domestic use + export from Belgium) and the import into Belgium by the affiliates of BEMEFA in the Netherlands, Luxembourg and Germany. This explains why the number of manufacturers mentioned in the tables above is different.

Tons	< 50.000	50.000 - 100.000	100.000 - 150.000	> 150.000	Total
Pig feed					
Domestic consumption	571.788	441.832	371.030	2.226.335	3.610.985
Export	28.852	26.217	2.839	82.502	140.410
Import BEMEFA members	32.821	0	16.357	0	49.178
BEMEFA production	633.461	468.049	390.226	2.308.837	3.800.573
Poultry feed					
Domestic consumption	142.928	56.051	37.935	883.820	1.120.734
Export	30.419	58.589	7.700	240.742	337.450
Import BEMEFA members	30.555	0	93.598	0	124.153
BEMEFA production	203.902	114.640	139.233	1.124.562	1.582.337
Cattle feed					
Domestic consumption	350.144	96.320	44.645	555.242	1.046.351
Export	52.114	12.401	1.023	173.836	239.374
Import BEMEFA members	4.386	0	7.412	0	11.798
BEMEFA production	406.644	108.721	53.080	729.078	1.297.523
Calf feed					
Domestic consumption	49.768	16.904	5.054	53.815	125.541
Export	746	371	233	12.389	13.739
Import BEMEFA members	30.130	0	0	0	30.130
BEMEFA production	80.644	17.275	5.287	66.204	169.410
Horse feed					
Domestic consumption	34.282	591	233	52.028	87.134
Export	7.214	16	63	23.633	30.926
Import BEMEFA members	0	0	0	0	0
BEMEFA production	41.496	607	296	75.661	118.060
Other feedtypes					
Domestic consumption	36.621	1.773	1.972	10.235	50.601
Export	14.937	121	964	1.494	17.516
Import BEMEFA members	67	0	0	0	67
BEMEFA production	51.625	1.894	2.936	11.729	68.184
FEED TOTAL					
Domestic consumption	1.185.531	613.471	460.869	3.781.475	6.041.346
Export	134.282	97.715	12.822	534.596	779.415
Import BEMEFA members	97.959	0	117.367	0	215.326
BEMEFA feed production	1.417.772	711.186	591.058	4.316.071	7.036.087
Number of manufacturers (except premixtures)	113	11	5	10	
% of the production	20%	10%	8%	61%	100%

Tons	Total
Premixtures	
Domestic consumption	83.825
Export	85.078
Import BEMEFA members	19
BEMEFA premix production	168.922
Number of premix manufacturers	18
BEMEFA production (feed + premixtures)	7.205.009

Annex 2: compound feed production by the main EU member states in 2013 (estimation, 1000 tons)

1000 tons	Belgium	Germany	France	Italie	Netherla nds	UK	Denmark	Spain
pigs	3.716	9.597	5.319	3.300	5.048	1.858	2.600	8.900
poultry	1.458	6.094	8.628	5.790	3.748	6.548	550	4.400
cattle and calves	1.424	7.061	5.750	3.480	4.314	5.573	920	6.700
ather	186	727	1.443	1.510	465	1.648	170	910
TOTAL	6.784	23.479	21.140	14.080	13.575	15.627	4.240	20.910

Source: Fefac

Annex 3: raw materials used in the Belgian animal feed industry

B3.1 Evolution of the total volume of raw materials (tons) used in the Belgian animal feed industry (2007-2012)

	2007	2008	2009	2010	2011	2012
Cereals	2.390.603	3.908.635	3.767.357	3.651.721	3.513.451	3.302.223
Ceral by-products and oil seeds	1.996.598	2.321.826	1.631.558	1.674.438	1.750.053	1.677.657
By-products of the milling industrie (wet / dry grinding)	1.056.943	1.032.822	903.328	1.026.408	962.152	927.665
By-products of the manufacture of sugar	512.426	530.355	377.908	439.071	424.313	430.242
Macrominerals	273.704	316.197	243.779	261.091	276.280	275.271
Oil seeds	193.652	208.250	224.790	241.532	230.688	241.979
Oils and fats	152.576	158.007	138.573	134.426	139.207	124.086
Others	842.319	740.795	523.855	520.044	537.609	521.425
TOTAL	7.418.822	9.216.886	7.811.149	7.948.732	7.833.752	7.500.549

Notice: The group 'others' contains e.g. following raw materials: bakery products, by products of biofuel production, brewery products, animal by-products, fruits & vegetables, dried fodder, yeast, high fibre products, tubers and roots, seed and pulse.

B3.2 Evolution of the total volume of cereals (tons) used in the Belgian animal feed industry (2007-2012)

3.3	2007	2008	2009	2010	2011	2012
wheat	1.213.778	1.658.867	1.884.260	1.899.199	1.639.258	1.546.429
maize (humid maize grain+ dry maize)	441.141	960.350	809.008	693.641	897.949	962.285
barley	507.891	879.450	882.222	914.922	819.898	660.905
oat	28.502	34.526	41.061	51.974	64.091	46.080
rye + triticale	6.798	93.637	82.920	40.896	18.102	23.297
spelt	10.477	10.305	22.444	18.475	18.014	18.511
cereals, others	182.015	271.498	45.434	32.614	56.138	44.717
TOTAL	2.390.603	3.908.635	3.767.350	3.651.721	3.513.451	3.302.223

Notice: the group 'cereals, others' contains e.g. rice, millet, sorghum, milo, dari and buckwheat.

B3.3 Evolution of the total volume of by-products (tons) used in the Belgian animal feed industry (2007-2012)

	2007	2008	2009	2010	2011	2012
By-products of oil seeds	1.996.598	2.321.826	1.631.558	1.674.438	1.750.053	1.677.657
Cereal products (dry /wet grinding)	1.056.943	1.032.822	903.328	1.026.408	962.152	927.665
By-products of the manufacture of sugar	512.426	530.355	377.908	439.071	424.313	430.242
Bakery products & pasta products	60.372	83.473	63.520	63.169	78.273	88.694
By-products of biofuel	27.092	42.744	88.105	92.432	106.259	89.118
High fibre products	108.220	101.654	70.609	66.887	72.883	66.809
Oils and fats	89.274	85.273	89.666	84.504	87.592	75.076
Animal by-products	58.778	62.716	63.713	69.588	68.600	65.286
Brewery products	37.282	47.204	41.693	50.439	47.410	47.180
Others	62.164	57.394	28.020	26.435	20.877	20.354
TOTAL	4.009.150	4.365.461	3.358.120	3.593.372	3.618.412	3.488.082

Notice: Only raw materials that are cataloged as by-products have been taken into consideration.

The group 'others' contains e.g. following materials: fruits and vegetables, tubers and roots, macrominerals.