2013

Alltech®

Global Feed Summary

EXECUTIVE SUMMARY

Global feed production statistics have traditionally been difficult to quantify because many countries lack national feed associations. For this reason, Alltech began in late 2011 to leverage its global presence to obtain a more accurate estimate of the world's feed tonnage. The results of the annual year-end assessment were announced in January as an industry outlook resource for the new calendar year.

For its second report, Alltech assessed the compound feed production of 134 countries in December 2012. Where possible, information was obtained in partnership with local feed associations and, when not possible, it was done utilizing information gathered by the more than 500 members of Alltech's global salesforce, who visit more than 26,000 feed mills on an annual basis.

When reviewing the data, there are two considerations to bear in mind. First, numbers for less developed countries may be less accurate, but given their size, this will have little numerical influence on the overall dataset. Second, the definition of feed, feed mill and species varies from country to country.

Overall, the new results affirm a growing feed industry with a global feed tonnage of 954.4 million, a 9 percent increase over the late 2011 estimates of 873 million. The actual underlying growth is likely to be about 4 to 5 percent since the latest results include new sources of information not available in 2011 and identify more accurately the statistics for individual species.
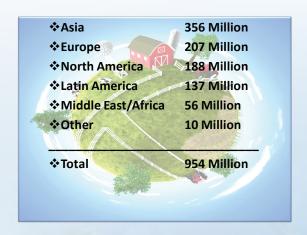
China, Brazil, India and Russia (BRIC) represented 33 million tons of the increase.

	Country	Total Tonnage (million) 2012		Country	Total Tonnage (million) 2012		Country	Total Tonnage (million) 2012		Country	Total Tonnage (million) 2012
1	China	198.340	33	Ukraine	5.160	67	Austria	0.965	101	Reunion	0.230
2	USA	168.460	34	Saudi Arabia	4.530	68	Kenya	0.955	102	Kuwait	0.230
3	Brazil	66.285	35	Chile	4.523	69	New Zealand	0.899	103	Georgia	0.200
4	Mexico	28.536	36	Malaysia	4.400	70	Bulgaria	0.887	104	Kyrgyzstan	0.200
5	Spain	28.231	37	Denmark	4.200	71	Dubai	0.850	105	Turkish Cyprus	0.200
6	India	26.837	38	Algeria	4.000	72	Costa Rica	0.821	106	Cote D'ivoire	0.160
7	Japan	25.220	39	Belarus	4.000	73	UAE	0.767	107	Bahrain	0.150
8	Russia	23.350	40	Hungary	3.832	74	Croatia	0.750	108	Caribbean	0.146
9	Germany	22.252	41	Israel	3.500	75	Cuba	0.750	109	Senegal	0.125
10	France	21.613	42	Peru	3.391	76	El Salvador	0.744	110	Turkmenistan	0.101
11	Canada	19.642	43	Serbia	3.391	77	Nepal	0.739	111	Ghana	0.100
12	Thailand	15.750	44	Greece and Cyprus	3.221	78	Honduras	0.703	112	Kosovo	0.100
13	Netherlands	14.762	45	Portugal	3.085	79	Iraq	0.700	113	Sudan	0.100
14	Italy	14.633	46	Morocco	2.995	80	Sri Lanka	0.615	114	Trinidad & Tobago	0.094
15	Indonesia	13.801	47	Norway	2.940	81	Myanmar	0.600	115	Iceland	0.090
16	UK	13.551	48	Bangladesh	2.730	82	Slovakia	0.600	116	Mauritius	0.090
17	Korea	13.515	49	Romania	2.295	83	Panama	0.568	117	Haiti	0.090
18	Turkey	12.995	50	Ecuador	2.245	84	Lebanon	0.500	118	Luxembourg	0.090
19	Iran	12.000	51	Czech Republic	1.986	85	Macedonia	0.500	119	Malta	0.080
20	Vietnam	12.000	52	Bosnia	1.962	86	Moldova	0.500	120	Botswana	0.057
21	Phillipines	11.917	53	Sweden	1.925	87	Uzbekistan	0.500	121	Namibia	0.052
22	South Africa	11.027	54	Nigeria	1.900	88	Armenia	0.500	122	Zimbabwe	0.040
23	Argentina	10.115	55	Uruguay	1.419	89	Estonia	0.480	123	Barbados	0.039
24	Poland	8.255	56	Finland	1.395	90	Uganda	0.467	124	Mozambique	0.030
25	Taiwan	7.893	57	Paraguay	1.345	91	Oman	0.464	125	Guyana	0.022
26	Australia	7.548	58	Bolivia	1.313	92	Lithuania	0.462	126	Seychelles	0.015
27	Pakistan	7.410	59	Kazakhstan	1.280	93	Slovenia	0.450	127	Suriname	0.012
28	Ireland	6.728	60	Switzerland	1.265	94	Jamaica	0.320	128	Bahamas	0.008
29	Belgium	6.281	61	Dominican Republic	1.162	95	Azerbaijan	0.320	129	Cameroon	0.000
30	Colombia	5.500	62	Guatemala	1.137	96	Nicaragua	0.318	130	Lesotho	0.000
31	Egypt	5.400	63	Jordan	1.100	97	Puerto Rico	0.276	131	Mongolia	0.000
32	Venezuela	5.315	64	Libya	1.060	98	Tanzania	0.258	132	Montenegro	0.000
			65	Albania	1.000	99	Zambia	0.240	133	San Marino	0.000
			66	Tunisia	1.000	100	Latvia	0.234	134	Singapore	0.000

Among the 134 countries reviewed, China was once again the leading producer of feed with 198.3 million tons manufactured in the official estimate of more than 10,000 feed mills. Consistent with late 2011 assessments, the United States and Brazil followed in second and third places, with 168.5 million tons from 5,251 feed mills and 66 million tons from 1,237 feed mills respectively.

Asia continues to be the world's leading feed producing region at 356 million tons. One region, however, exceeded Asia in percent growth over 2011 results. Africa was found to be the fastest growing area in terms of tons of feed manufactured, increasing its tonnage 19 percent from 47 million in 2011 to 56 million in 2012. The Middle East was estimated to have the largest feed mills, with an average of more than 63,000 tons produced per mill.

❖ Asia		356 Million
❖ Europe		207 Million
❖ North America		188 Million
❖ Latin America		137 Million
❖ Middle East/Africa		56 Million
❖ Other		10 Million
❖ Total		954 Million

Average Feed Tonnage per Million

Region	Total Number of Feed Mills	Total Tonnage	Average Tonnage per region
Africa	794	30,305,000	38,168
Asia	12,149	356,542,000	29,347
Europe	4,449	208,400,000	46,842
Latin America	2,975	137,048,000	46,067
Middle East	385	25,411,000	66,003
North America	5,323	188,102,000	35,338
Other	165	8,593,000	52,079
Total	**26,240**	**954,401,000**	**36,372**

When analyzed by species, poultry continues to dominate with a 44 percent share of the feed market at 417.8 million tons, likely due to religious and taste preferences as well as cost. It grew by approximately 10 percent over 2011 estimates. Sixty percent of all poultry tonnage is dedicated to broilers, with the rest fed to egg layers, turkeys, duck and other fowl.

Number of Feed Mills (Estimate)	Total Tonnage (million) 2012
26,240	954.4

Total Tonnage per million

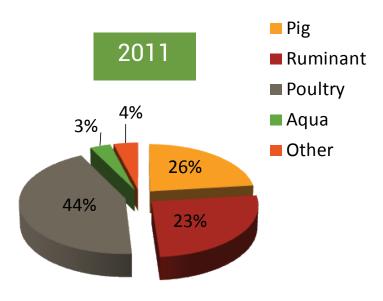| Pig	Ruminant				Poultry				Aqua	Other	
	Dairy	Beef	Calf	*Other Ruminant	Layers	Broilers	Turkeys	**Other Poultry		Pets	Horse
218.1	130.7	97.9	1.4	22.5	141.1	246.1	13.2	17.2	34.4	20.4	10.8
	Total Ruminant				Total Poultry						
	252.6				417.8						

The pig feed sector matched poultry's 8 percent growth, moving to 218 million tons globally. The ruminant feed market, comprising dairy, beef and small ruminants, grew more than 13 percent between late 2011 and December 2012, and now requires 254 million tons. Equine feed tonnage increased almost 17 percent to 10.8 million tons.

Aquaculture grew nearly 16 percent since 2011. Pet food represents 20.5 million tons, 40 percent of which are produced in the United States, but Brazil continues to make considerable advances in this sector.

The 2012 assessment identified a total of 26,240 feed mills globally, with Asia and North America being home to more than half of them. Sixty percent of the feed produced is pelleted, and this is even more prevalent in Europe.

❖ Poultry	418 Million
❖ Ruminant	253 Million
❖ Pig	218 Million
❖ Aqua	34 Million
❖ Pet	20 Million
❖ Equine	11 Million
❖ Total	954 Million

2012

Pig, Ruminant, Poultry, Aqua, Pets, Horse

3.6% 2% 1%
23%
26.5%
44%

2011

Pig, Ruminant, Poultry, Aqua, Other

3% 4%
26%
23%
44%

2012 Global Feed Tonnage Survey

	Country	Number of Feed Mills	Total Tonnage (million) 2012	Pig	Ruminant				Poultry				Aqua	Other	
					Dairy	Beef	Calf	*Other Ruminant	Layers	Broilers	Turkeys	**Other Poultry		Pets	Horse
1	China	10,000	198.34	58.14	35.5	30		0	29.4	20	0	11	13.3	1	0
2	USA	5,251	168.46	23.59	19.51	23.41	0.1	0	23.09	57.22	6.54	0	1	8	6
3	Brazil	1,237	66.285	15.4	5.1	2.9		0	5.1	33.2	0.84	0	0.635	2.5	0.61
4	Mexico	430	28.536	4.208	4.606	3.027		0.45	4.56	10.34	0	0	0.215	0.71	0.42
5	Spain	700	28.231	13.24	2.9	4		2.34	1.6	3	0.45	0	0.096	0.375	0.23
6	India	862	26.837	0	5.854	0		0.008	7.011	10.459	0	0.001	3.5	0.002	0.002
7	Japan	156	25.22	6.109	3.299	4.598		0.05	6.391	3.954	0	0.05	0.432	0.315	0.022
8	Russia	500	23.35	6.2	2	1.75		0	3.8	9.4	0.2	0	0	0	0
9	Germany	340	22.252	9.2	0	0	0.152	6.4	2.1	3.3	0	0	0	0.7	0.4
10	France	294	21.613	5.7	3.12	1.55	0.357	0.6	2.3	3.5	1.44	1.67	0.122	1	0.254
11	Canada	72	19.642	4	10	0.78		0.18	0.8	0.96	0.18	0.18	0.76	1.222	0.58
12	Thailand	30	15.75	6	0.6	0.2		0	0.7	6	0	0.3	1.6	0.25	0.1
13	Netherlands	50	14.762	5.5	0	0	0.652	2.8	2.8	2.5	0	0	0	0.31	0.2
14	Italy	340	14.633	3.5	2.02	1.755	0.15	0.235	3.5	2.75	0	0	0.105	0.57	0.048
15	Indonesia	70	13.801	0.5	0.6	0		0.05	5.063	6.188	0	0.1	1.3	0	0
16	UK	340	13.551	1.506	2.729	0.98	0.001	0.899	1.789	3.287	0.525	0.813	0.145	0.7	0.177
17	Korea	41	13.515	4.606	1.107	4.224		0	1.679	1.779	0	0	0.12	0	0
18	Turkey	350	12.995	0	5.5	1.7		0	1.5	4	0	0	0.25	0.045	0
19	Iran	240	12	0	3	0.9		0	4	4	0	0	0.1	0	0
20	Vietnam	230	12	6.5	0.125	0		0	0.855	1.24	0	0.36	2.92	0	0

ABOUT ALLTECH

Founded in 1980 by Dr. Pearse Lyons, Alltech improves the health and performance of animals, plants and people through natural nutrition and scientific innovation. With more than 3,000 employees in 128 countries, the company has developed a strong regional presence in Europe, North America, Latin America, the Middle East, Africa and Asia. For further information, visit www.alltech.com. For media assets, visit www.alltech.com/press.

CONTACT US

For more information on Alltech or if you have comments on the 2013 Alltech Global Feed Survey, please contact us via e-mail at info@alltech.com with the subject line "2013 Alltech Global Feed Survey" or via mail at the address below.