

EU + UK Feed Protein Balance Sheet

2012/13	Million tonnes						Protein content (feed use) (G)	Million tonnes (crude protein)			
	Total EU production (A)	EU imports (B)	EU exports (C)	Total EU domestic use (D)	EU total feed use (E)	Feed use EU origin (F)		EU total feed use (H) = (E) * (G)	Feed use EU origin (I) = (F) * (G)	% feed use of EU origin (I) / (H)	% of total feed use
CROPS					166.7	152.3		16.81	15.47	92%	21%
CEREALS (of which)	276.0	16.9	31.6	261.3	163.2	149.1		15.87	14.61	92%	20%
Common wheat	123.9	3.8	20.3	107.4	45.0	41.2	11.0%	4.95	4.53		
Barley	54.3	0.1	7.8	46.6	37.2	37.2	10.0%	3.72	3.72		
Durum	8.3	1.5	1.4	8.4	0.2	0.2	12.0%	0.02	0.02		
Maize	58.1	11.0	1.8	67.2	57.2	47.3	8.0%	4.58	3.79		
Rye	8.5	0.1	0.1	8.5	3.5	3.5	11.0%	0.39	0.39		
Sorghum	0.4	0.3	0.0	0.7	0.7	0.4	11.0%	0.08	0.04		
Oats	7.7	0.0	0.1	7.6	6.2	6.2	11.0%	0.68	0.68		
Triticale	9.9	0.0	0.0	9.9	8.8	8.8	11.0%	0.97	0.97		
Others	4.9	0.1	0.0	5.0	4.4	4.3	11.0%	0.48	0.47		
OILSEEDS (feed use without crushing) (columns (E) and (F))	27.4	16.0	0.6	42.8	1.5	1.5		0.45	0.45	100%	1%
Soya beans	1.0	12.4	0.1	13.3	1.2	1.2	33.0%	0.40	0.40		
Rapeseed	19.2	3.4	0.1	22.5	0.2	0.2	18.8%	0.04	0.04		
Sunflowerseed	7.2	0.2	0.4	7.0	0.1	0.1	14.8%	0.02	0.02		
PULSES (of which)	2.3	0.5	0.4	2.5	2.0	1.6		0.49	0.40	82%	1%
Field Peas	1.2	0.4	0.1	1.5	1.2	0.9	22.5%	0.26	0.21		
Broad beans	1.0	0.0	0.3	0.7	0.6	0.6	26.0%	0.15	0.15		
Lupins	0.1	0.1	0.0	0.2	0.2	0.1	35.0%	0.08	0.04		
CO-PRODUCTS					80.5	44.6		23.32	8.99	39%	29%
OILSEED MEALS	24.8	24.1	1.1	47.7	47.6	13.3		18.59	4.46	24%	23%
SOYA BEAN MEALS (of which)	8.5	17.0	0.7	24.9	24.7	-0.3		11.30	-0.11	-1%	14%
Soya bean meal (from EU soyabean production)	-0.3			-0.3	-0.3	-0.3	43.0%	-0.11	-0.11		
Soya bean meal (imported soyabeans crushing)	8.5		0.7	7.8	7.6	0.0	45.5%	3.48	0.00		
Soya bean meal (traded as such)		17.0		17.0	17.0	0.0	45.5%	7.75	0.00		
Soya bean Protein Concentrate	0.3			0.3	0.3	0.0	62.5%	0.19	0.00	0%	0%
RAPSEED MEALS (of which)	12.3	0.4	0.3	12.5	12.5	10.2		4.12	3.37	82%	5%
Rapeseed meal (from EU rapeseed production)	10.5		0.3	10.2	10.2	10.2	33.0%	3.37	3.37		
Rapeseed meal (imported rapeseed crushing)	1.9			1.9	1.9	0.0	33.0%	0.61	0.00		
Rapeseed meal (traded as such)		0.4		0.4	0.4	0.0	33.0%	0.14	0.00		
SUNFLOWER MEALS (of which)	3.3	3.7	0.1	6.9	6.9	3.1		2.50	1.13	45%	3%
Sunflower meal (from EU sunflowerseed production)	3.2		0.1	3.1	3.1	3.1	36.0%	1.13	1.13		
Sunflower meal (imported sunflowerseed crushing)	0.1			0.1	0.1	0.0	36.0%	0.04	0.00		
Sunflower meal (traded as such)		3.7		3.7	3.7	0.0	36.0%	1.33	0.00		
OTHER OILSEED MEALS (of which)	0.6	2.9	0.0	3.5	3.5	0.2		0.67	0.07	11%	1%
Palmkern meal	0.0	2.9	0.0	2.9	2.9	0.0	16.0%	0.46	0.00		
Linseed meal	0.3	0.0	0.0	0.3	0.3	0.0	34.0%	0.11	0.00		
Other oilseed meals	0.2	0.1	0.0	0.3	0.3	0.2	37.0%	0.10	0.07		
OTHERS CO-PRODUCTS	32.8	4.3	0.4	36.7	32.9	31.3		4.73	4.53	96%	6%
Starch industry's medium protein products (15%-30%)	3.9	0.4	0.1	4.1	4.2	4.2	19.0%	0.80	0.80		
Starch industry's super protein products (60%-90%)	0.7	0.0	0.0	0.7	0.7	0.7	73.0%	0.48	0.48		
Distiller's Dried Grains with Solubles	3.1	0.4	0.1	3.4	3.4	3.0	30% wheat 27% maize	1.01	0.91		
Wet Distillers Grain	6.9	0.0	0.0	6.9	6.9	6.9	5.4%	0.37	0.37		
Wheat bran	8.3	0.0	0.1	8.2	8.2	8.2	15.5%	1.27	1.27		
Citrus pulp	0.0	0.5	0.0	0.5	0.5	0.0	7.5%	0.03	0.00		
Beet pulp pellets	6.6	0.8	0.1	7.3	7.3	6.5	7.9%	0.57	0.51		
Molasses	3.4	2.2	0.0	5.6	1.8	1.8	10.7% beet 4.2% cane	0.19	0.19		
NON-PLANT SOURCES					9.2	8.9		2.61	2.44	94%	3%
(excluding on-farm use)											
Fish Meal	0.4	0.4	0.2	0.6	0.6	0.4	65.0%	0.37	0.24		
Whey Powder	1.8	0.1	0.5	1.3	0.9	0.9	12.5%	0.11	0.11		
Skimmed Milk Powder	1.1	0.0	0.4	0.6	0.2	0.2	34.0%	0.06	0.06		
Processed Animal Proteins	2.9	0.0	0.4	2.5	2.5	2.5	62.3%	1.59	1.56		
Former Foodstuff					5	5	9.5%	0.48	0.48		
ROUGHAGE					1317	1317		37	37	100%	46%
Grass	1023			1023	1023	1023	2.5%	26	26		
Silage maize	236			236	236	236	2.9%	7	7		
Fodder legumes	56			56	56	56	7.2%	4	4		
Dried Fodder	3.3	0.0	1.6	1.7	1.7	1.7	17.0%	0.3	0.3		
TOTAL								80	64	80%	

Legend

Low-Pro: Less than 15% protein content

Medium-Pro: 15-30% protein content

High-Pro: 30-50% protein content

Super-Pro: Over 50% protein content

There is only limited inter-changeability between proteins from different categories, for instance between proteins from cereals and proteins from soya meal (due to its amino acid pattern, soya protein is used more efficiently than other plant proteins in animal nutrition).