

EU + UK Feed Protein Balance Sheet

2011/12	Million tonnes						Protein content (feed use) (G)	Million tonnes (crude protein)		% feed use of EU origin (I) / (H)	% of total feed use
	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)		
CROPS					170.5	159.1		17.32	16.22	94%	21%
CEREALS (of which)	286.8	14.4	25.2	275.9	167.0	155.7		16.38	15.30	93%	20%
Common wheat	129.4	5.4	14.3	120.4	54.9	49.4	11.0%	6.03	5.44		
Barley	51.2	0.4	5.7	45.9	36.1	36.1	10.0%	3.61	3.61		
Durum	8.5	1.7	1.4	8.8	0.2	0.2	12.0%	0.02	0.02		
Maize	68.7	6.3	3.5	71.5	54.4	48.7	8.0%	4.35	3.90		
Rye	6.6	0.3	0.1	6.8	2.0	1.9	11.0%	0.22	0.21		
Sorghum	0.6	0.1	0.0	0.7	0.5	0.4	11.0%	0.06	0.05		
Oats	7.7	0.0	0.2	7.5	6.0	6.0	11.0%	0.66	0.66		
Triticale	9.9	0.0	0.0	9.9	9.1	9.1	11.0%	1.00	1.00		
Others	4.2	0.1	0.0	4.3	3.9	3.8	11.0%	0.43	0.42		
OILSEEDS (feed use without crushing) (columns (E) and (F))	29.0	16.0	0.9	44.1	1.6	1.6		0.46	0.46	100%	1%
Soya beans	1.2	11.9	0.1	13.1	1.2	1.2	33.0%	0.40	0.40		
Rapeseed	19.2	3.8	0.1	22.8	0.2	0.2	18.8%	0.04	0.04		
Sunflowerseed	8.6	0.3	0.7	8.2	0.2	0.2	14.8%	0.03	0.03		
PULSES (of which)	2.9	0.2	0.7	2.4	1.9	1.9		0.48	0.46	94%	1%
Field Peas	1.6	0.1	0.3	1.5	1.1	1.1	22.5%	0.25	0.25		
Broad beans	1.2	0.0	0.4	0.7	0.6	0.6	26.0%	0.16	0.16		
Lupins	0.1	0.1	0.0	0.2	0.2	0.1	35.0%	0.07	0.05		
CO-PRODUCTS					86.1	46.7		25.57	9.61	38%	31%
OILSEED MEALS	25.4	27.6	1.2	51.8	51.6	14.0		20.48	4.74	23%	25%
SOYA BEAN MEALS (of which)	8.4	21.3	0.8	28.9	28.8	0.0		13.15	-0.01	0%	16%
Soya bean meal (from EU soyabean production)	0.0			0.0	0.0	0.0	43.0%	-0.01	-0.01		
Soya bean meal (imported soyabeans crushing)	8.1		0.8	7.3	7.2	0.0	45.5%	3.27	0.00		
Soya bean meal (traded as such)		21.3		21.3	21.3	0.0	45.5%	9.69	0.00		
Soya bean Protein Concentrate	0.3			0.3	0.3	0.0	62.5%	0.19	0.00	0%	0%
RAPESEED MEALS (of which)	12.4	0.2	0.3	12.4	12.4	10.1		4.09	3.33	82%	5%
Rapeseed meal (from EU rapeseed production)	10.4		0.3	10.1	10.1	10.1	33.0%	3.33	3.33		
Rapeseed meal (imported rapeseed crushing)	2.0			2.0	2.0	0.0	33.0%	0.67	0.00		
Rapeseed meal (traded as such)		0.2		0.2	0.2	0.0	33.0%	0.08	0.00		
SUNFLOWER MEALS (of which)	4.0	3.4	0.1	7.2	7.2	3.7		2.59	1.33	51%	3%
Sunflower meal (from EU sunflowerseed production)	3.8		0.1	3.7	3.7	3.7	36.0%	1.33	1.33		
Sunflower meal (imported sunflowerseed crushing)	0.1			0.1	0.1	0.0	36.0%	0.05	0.00		
Sunflower meal (traded as such)		3.4		3.4	3.4	0.0	36.0%	1.21	0.00		
OTHER OILSEED MEALS (of which)	0.6	2.7	0.0	3.2	3.2	0.2		0.66	0.08	13%	1%
Palmkern meal	0.0	2.5	0.0	2.5	2.5	0.0	16.0%	0.41	0.00		
Linseed meal	0.3	0.0	0.0	0.4	0.4	0.0	34.0%	0.12	0.00		
Other oilseed meals	0.2	0.1	0.0	0.3	0.3	0.2	37.0%	0.13	0.08		
OTHERS CO-PRODUCTS	34.5	4.4	0.6	38.4	34.5	32.7		5.09	4.87	96%	6%
Starch industry's medium protein products (15%-30%)	3.8	0.5	0.1	4.2	4.2	4.2	19.0%	0.80	0.80		
Starch industry's super protein products (60%-90%)	0.6	0.0	0.0	0.6	0.6	0.6	73.0%	0.47	0.47		
Distiller's Dried Grains with Solubles	4.2	0.4	0.1	4.5	4.5	4.1	30% wheat 27% maize	1.34	1.23		
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	0.8	0.0	0.8	0.8	0.0	7.5%	0.06	0.00		
Beet pulp pellets	7.0	0.6	0.2	7.5	7.5	6.8	7.9%	0.59	0.54		
Molasses	3.7	2.1	0.0	5.7	1.8	1.8	10,7% beet 4,2% cane	0.20	0.20		
NON-PLANT SOURCES					8.8	8.5		2.35	2.20	93%	3%
(excluding on-farm use)											
Fish Meal	0.3	0.4	0.2	0.5	0.5	0.3	65.0%	0.33	0.20		
Whey Powder	1.7	0.1	0.6	1.2	0.9	0.9	12.5%	0.11	0.11		
Skimmed Milk Powder	1.2	0.0	0.6	0.6	0.2	0.2	34.0%	0.06	0.06		
Processed Animal Proteins	2.5	0.0	0.4	2.2	2.2	2.2	62.3%	1.38	1.35		
Former Foodstuff					5	5	9.5%	0.48	0.48		
ROUGHAGE					1302	1302		37	37	100%	45%
Grass	1003			1003	1003	1003	2.5%	25	25		
Silage maize	242			242	242	242	2.9%	7	7		
Fodder legumes	54			54	54	54	7.2%	4	4		
Dried Fodder	4.5	0.0	1.4	3.1	3.1	3.1	17.0%	0.5	0.5		
TOTAL								82	65	79%	

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			

54.29	53.11	98%
4.79	4.27	89%
20.41	5.24	26%
2.36	2.02	85%

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).