

EU + UK Feed Protein Balance Sheet

2017/18	Million tonnes						Protein content (feed use) (G)	Million tonnes (crude protein)			
	Protein source	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)
CROPS					179.6	158.8		18.50	16.65	90%	22%
CEREALS (of which)	305.3	24.6	33.6	296.2	174.1	153.5		17.04	15.26	90%	20%
Common wheat	142.0	4.0	21.4	124.6	52.2	48.2	11.0%	5.74	5.30		
Barley	58.3	0.5	9.0	49.8	39.3	39.3	10.0%	3.93	3.93		
Durum	8.7	1.5	1.1	9.1	0.8	0.8	12.0%	0.10	0.09		
Maize	64.8	17.9	1.8	80.9	57.4	41.3	8.0%	4.59	3.30		
Rye	7.2	0.1	0.1	7.2	2.1	2.1	11.0%	0.23	0.23		
Sorghum	0.7	0.4	0.0	1.1	0.7	0.4	11.0%	0.08	0.05		
Oats	8.1	0.0	0.2	7.9	6.2	6.2	11.0%	0.68	0.68		
Triticale	11.5	0.0	0.0	11.5	10.9	10.9	11.0%	1.20	1.20		
Others	4.0	0.2	0.0	4.1	4.5	4.3	11.0%	0.50	0.48		
OILSEEDS (feed use without crushing) (columns (E) and (F))	35.1	18.7	1.0	52.7	1.6	1.6		0.47	0.47	100%	1%
Soya beans	2.7	14.1	0.3	16.5	1.2	1.2	33.0%	0.40	0.40		
Rapeseed	22.0	4.0	0.1	25.9	0.2	0.2	18.8%	0.04	0.04		
Sunflowerseed	10.4	0.6	0.6	10.3	0.2	0.2	14.8%	0.03	0.03		
PULSES (of which)	5.2	0.6	1.0	4.8	3.9	3.7		0.99	0.92	93%	1%
Field Peas	2.8	0.4	0.7	2.5	1.9	1.9	22.5%	0.43	0.43		
Broad beans	2.2	0.0	0.3	1.9	1.5	1.5	26.0%	0.40	0.40		
Lupins	0.3	0.2	0.0	0.5	0.5	0.3	35.0%	0.16	0.09		
CO-PRODUCTS					89.7	50.5		26.54	10.65	40%	31%
OILSEED MEALS	30.7	24.8	1.3	54.2	54.0	17.0		21.39	5.84	27%	25%
SOYA BEAN MEALS (of which)	10.7	18.8	0.4	29.2	29.0	0.9		13.21	0.39	3%	16%
Soya bean meal (from EU soyabean production)	0.9			0.9	0.9	0.9	43.0%	0.39	0.39		
Soya bean meal (imported soyabeans crushing)	9.5		0.4	9.1	9.0	0.0	45.5%	4.07	0.00		
Soya bean meal (traded as such)		18.8		18.8	18.8	0.0	45.5%	8.56	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)	14.2	0.2	0.5	14.0	14.0	11.6		4.63	3.82	83%	5%
Rapeseed meal (from EU rapeseed production)	12.0		0.5	11.6	11.6	11.6	33.0%	3.82	3.82		
Rapeseed meal (imported rapeseed crushing)	2.2			2.2	2.2	0.0	33.0%	0.73	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)	5.1	3.7	0.4	8.4	8.4	4.4		3.01	1.58	52%	4%
Sunflower meal (from EU sunflowerseed production)	4.8		0.4	4.4	4.4	4.4	36.0%	1.58	1.58		
Sunflower meal (imported sunflowerseed crushing)	0.3			0.3	0.3	0.0	36.0%	0.10	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	2.0	0.1	2.6	2.6	0.1		0.54	0.05	10%	1%
Palmkern meal	0.0	2.0	0.0	2.0	2.0	0.0	16.0%	0.32	0.00		
Linseed meal	0.4	0.0	0.0	0.5	0.5	0.0	34.0%	0.15	0.00		
Other oilseed meals	0.2	0.1	0.0	0.2	0.2	0.1	37.0%	0.07	0.05		
OTHERS CO-PRODUCTS	36.8	4.6	1.2	40.3	35.7	33.4		5.16	4.80	93%	6%
Starch industry's medium protein products (15%-30%)	4.2	0.6	0.4	4.3	4.2	4.2	19.0%	0.80	0.80		
Starch industry's super protein products (60%-90%)	1.0	0.0	0.0	1.0	0.7	0.7	73.0%	0.50	0.50		
Distillers' Dried Grains with Solubles	3.6	0.9	0.3	4.3	4.3	3.4	30% wheat 27% maize	1.25	1.01		
Wet Distillers' Grain	6.9			6.9	6.9	6.9	5.4%	0.37	0.37		
Wheat bran	8.4	0.0	0.2	8.2	8.2	8.2	15.5%	1.27	1.27		
Citrus pulp	0.0	0.3	0.0	0.2	0.2	0.0	7.5%	0.02	0.00		
Beet pulp pellets	8.3	1.1	0.2	9.2	9.2	8.1	7.9%	0.73	0.64		
Molasses	4.3	1.8	0.1	6.0	1.9	1.9	10,7% beet 4,2% cane	0.21	0.21		
NON-PLANT SOURCES					9.1	9.0		2.56	2.49	97%	3%
(excluding on-farm use)											
Fish Meal	0.4	0.2	0.1	0.5	0.5	0.4	65.0%	0.32	0.29		
Whey Powder	1.9	0.1	0.7	1.3	0.9	0.9	12.5%	0.11	0.11		
Skimmed Milk Powder	1.6	0.0	0.8	0.9	0.2	0.2	34.0%	0.05	0.05		
Processed Animal Proteins	3.1	0.1	0.6	2.6	2.6	2.5	62.3%	1.60	1.56		
Former Foodstuff					5	5	9.5%	0.48	0.48		
ROUGHAGE					1336	1336		38	38	100%	44%
Grass	1015			1015	1015	1015	2.5%	25	25		
Silage maize	263			263	263	263	2.9%	8	8		
Fodder legumes	57			57	57	57	7.2%	4	4		
Dried Fodder	3.4	0.0	1.5	1.9	1.9	1.9	17.0%	0.3	0.3		
TOTAL								85	67	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

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).