

EU + UK Feed Protein Balance Sheet

2018/19	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					180.7	153.5		18.28	15.84	87%	22%
CEREALS (of which)	289.8	31.0	34.2	286.7	175.9	149.3		17.01	14.74	87%	21%
Common wheat	128.3	4.1	21.5	110.9	52.0	47.9	11.0%	5.72	5.27		
Barley	56.0	0.1	8.0	48.1	35.0	35.0	10.0%	3.50	3.50		
Durum	8.7	1.3	0.9	9.1	0.8	0.8	12.0%	0.10	0.09		
Maize	69.0	24.2	3.5	89.8	66.4	44.6	8.0%	5.31	3.57		
Rye	6.1	0.3	0.2	6.2	1.6	1.6	11.0%	0.18	0.17		
Sorghum	0.8	0.8	0.0	1.5	1.1	0.6	11.0%	0.12	0.06		
Oats	7.7	0.0	0.1	7.6	6.0	6.0	11.0%	0.65	0.65		
Triticale	9.6	0.0	0.0	9.6	8.8	8.8	11.0%	0.97	0.97		
Others	3.7	0.1	0.0	3.8	4.3	4.1	11.0%	0.47	0.45		
OILSEEDS (feed use without crushing) (columns (E) and (F))	32.8	19.8	0.8	51.9	1.6	1.6		0.46	0.46	100%	1%
Soya beans	2.8	15.1	0.2	17.8	1.2	1.2	33.0%	0.40	0.40		
Rapeseed	20.0	4.2	0.1	24.2	0.2	0.2	18.8%	0.04	0.04		
Sunflowerseed	10.0	0.5	0.5	10.0	0.2	0.2	14.8%	0.03	0.03		
PULSES (of which)	3.6	0.9	0.5	4.0	3.2	2.6		0.80	0.64	80%	1%
Field Peas	2.0	0.6	0.2	2.5	1.9	1.5	22.5%	0.43	0.34		
Broad beans	1.4	0.0	0.3	1.1	0.9	0.9	26.0%	0.23	0.23		
Lupins	0.2	0.2	0.0	0.4	0.4	0.2	35.0%	0.14	0.06		
CO-PRODUCTS					88.1	47.7		26.28	10.21	39%	32%
OILSEED MEALS	30.4	24.6	1.2	53.9	53.7	16.1		21.18	5.56	26%	26%
SOYA BEAN MEALS (of which)	11.6	18.0	0.3	29.3	29.1	1.1		13.27	0.49	4%	16%
Soya bean meal (from EU soyabean production)	1.2			1.2	1.1	1.1	43.0%	0.49	0.49		
Soya bean meal (imported soyabeans crushing)	10.2		0.3	9.9	9.7	0.0	45.5%	4.39	0.00		
Soya bean meal (traded as such)		18.0		18.0	18.0	0.0	45.5%	8.20	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)	13.3	0.5	0.4	13.4	13.4	10.5		4.41	3.47	79%	5%
Rapeseed meal (from EU rapeseed production)	11.0		0.4	10.5	10.5	10.5	33.0%	3.47	3.47		
Rapeseed meal (imported rapeseed crushing)	2.3			2.3	2.3	0.0	33.0%	0.77	0.00		
Rapeseed meal (traded as such)		0.5		0.5	0.5	0.0	33.0%	0.17	0.00		
SUNFLOWER MEALS (of which)	4.9	3.5	0.4	8.0	8.0	4.3		2.88	1.54	53%	4%
Sunflower meal (from EU sunflowerseed production)	4.6		0.4	4.3	4.3	4.3	36.0%	1.54	1.54		
Sunflower meal (imported sunflowerseed crushing)	0.3			0.3	0.3	0.0	36.0%	0.09	0.00		
Sunflower meal (traded as such)		3.5		3.5	3.5	0.0	36.0%	1.25	0.00		
OTHER OILSEED MEALS (of which)	0.6	2.6	0.1	3.2	3.2	0.2		0.63	0.06	10%	1%
Palmkern meal	0.0	2.6	0.0	2.6	2.6	0.0	16.0%	0.41	0.00		
Linseed meal	0.4	0.0	0.0	0.5	0.5	0.0	34.0%	0.16	0.00		
Other oilseed meals	0.2	0.0	0.1	0.2	0.2	0.2	37.0%	0.06	0.06		
OTHERS CO-PRODUCTS	34.4	5.3	1.0	38.7	34.4	31.6		5.09	4.66	91%	6%
Starch industry's medium protein products (15%-30%)	4.0	0.6	0.4	4.2	4.0	4.0	19.0%	0.76	0.76		
Starch industry's super protein products (60%-90%)	1.1	0.0	0.0	1.1	0.7	0.7	73.0%	0.51	0.51		
Distillers' Dried Grains with Solubles	3.6	1.1	0.2	4.5	4.5	3.4	30% wheat 27% maize	1.33	1.02		
Wet Distillers' Grain	6.8	0.0	0.0	6.8	6.8	6.8	5.4%	0.37	0.37		
Wheat bran	8.4	0.1	0.2	8.3	8.3	8.3	15.5%	1.29	1.29		
Citrus pulp	0.0	0.3	0.0	0.3	0.3	0.0	7.5%	0.02	0.00		
Beet pulp pellets	6.9	1.3	0.2	8.1	8.1	6.8	7.9%	0.64	0.53		
Molasses	3.6	1.8	0.1	5.2	1.7	1.7	10,7% beet 4,2% cane	0.18	0.18		
NON-PLANT SOURCES					8.2	8.0		2.19	2.04	93%	3%
(excluding on-farm use)											
Fish Meal	0.5	0.3	0.1	0.6	0.6	0.5	65.0%	0.41	0.30		
Whey Powder	1.9	0.1	0.7	1.3	0.6	0.6	12.5%	0.07	0.07		
Skimmed Milk Powder	1.5	0.0	0.9	0.6	0.1	0.1	34.0%	0.05	0.05		
Processed Animal Proteins	2.6	0.1	0.8	1.9	1.9	1.8	62.3%	1.18	1.14		
Former Foodstuff					5	5	9.5%	0.48	0.48		
ROUGHAGE					1249	1249		35	35	100%	43%
Grass	949			949	949	949	2.5%	24	24		
Silage maize	237			237	237	237	2.9%	7	7		
Fodder legumes	62			62	62	62	7.2%	4	4		
Dried Fodder	3.3	0.0	1.8	1.5	1.5	1.5	17.0%	0.2	0.2		
TOTAL								82	63	77%	

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).

53.94	51.54	96%
4.73	3.93	83%
21.18	6.07	29%
2.29	1.95	85%