

Table 1: Nutrient composition of commonly available feeds for cattle and sheep

Feedstuff	DM (%)	Cr protein (g/kg DM)	ME content (MJ/kg DM)	Mineral content (g/kg DM)				Av. Range of yield t/ha
				Ca	P	Mg	Na	
GREEN FEEDS								
Grass/clover mixes Spring, leafy	14	240	11.8	6.0	4.5	1.5	1.5	5-7
Summer, leafy	20	150	10.0	8.5	4.0	2.0	2.0	
Summer, dry & stalky	25	100	8.0	7.0	3.0	2.0	1.0	
Winter, autumn saved	17	200	10.0	7.0	4.0	1.8	1.5	
Winter, leafy	14	260	11.2	7.0	4.5	1.5	1.5	
Kikuyu grass, summer	22	140	8.5	6.0	3.9	1.8	0.6	
Lucerne, leafy	18	280	12.0	16.0	3.0	2.5	0.6	10-15
Lucerne, 10-20% flower	23	220	10.0	13.0	2.8	2.4	0.5	
Maize, 1.3 - 1.6m	22	90	10.3	4.0	2.5	1.5	0.2	
Oats, leafy	18	180	12.3	6.0	3.0	1.5	4.0	5-8
Paspalum, leafy	18	180	10.5	7.5	4.0	2.5	0.6	
Paspalum, flowering	23	100	9.3	5.6	3.0	2.5	0.4	
Red clover, spring	17	280	11.5	11.0	3.5	3.0	0.8	6-8
Sorghum, Sudax (1m)	20	180	10.0	4.7	2.3	2.0	0.2	
Tama ryegrass	12	240	12.0	4.0	4.0	1.5	2.5	
White clover	15	280	12.2	12.0	4.0	3.0	3.0	6-8
SILAGES								
Pasture, high quality	23	200	10.0	7.0	4.3	1.7	1.7	
Pasture, poor quality	28	150	8.0	5.5	2.8	1.4	1.6	
Lucerne	20	200	9.5	10.0	2.6	2.0	0.5	10-16
Maize, early dent	30	80	10.3	3.0	2.0	1.2	0.1	15-18
HAYS (pasture)								
good quality	85	170	9.7	8.0	4.0	2.0	2.0	
medium	85	110	8.5	6.0	3.5	1.9	1.7	
poor	85	70	7.3	4.0	3.0	1.8	1.5	
STRAWS								
Barley	85	40	6.5	3.0	0.8	1.7	1.1	4-10
Maize stover	85	50	7.5	6.0	1.0	4.5	0.7	
Pea	85	80	7.0	16.0	1.2	-	-	4-6
Ryegrass	85	60	7.5	4.0	3.0	1.5	1.5	
CROPS/BYPRODUCTS								
Carrots	12	9.9	13.2	0.4	0.4	0.2	1.0	60-70
Choumoellier	15	145	11.5	15.0	2.4	2.7	3.3	
Fodder beet	18	100	11.5	1.2	1.7	-	-	22-28
Mangolds (roots)	10	100	11.5	1.5	1.8	2.0	6.0	
Potatoes	24	90	12.0	0.3	2.5	1.0	1.0	60-80
Pumpkin	8.4	16	12.9	0.3	0.5	0.1	0.0	20-30
Rape	17	160	12.0	15.0	4.0	0.7	0.5	5-12
Swedes, bulbs	10	120	12.4	1.3	2.0	2.0	1.0	10-16
Swedes, tops	15	150	12.8	25.0	2.7	4.0	2.0	
Turnips, bulbs	9	150	12.4	6.0	3.0	2.0	2.0	5-10
Turnips, tops	13	180	12.8	35.0	3.4	4.0	3.0	
Barley	86	110	13.0	0.6	4.4	1.8	0.3	8-14
Bran (wheat)	86	160	9.8	1.0	12.0	6.0	0.4	
Linseed cake	87	300	12.0	4.4	8.0	6.0	0.7	3
Lucerne meal	87	200	11.0	16.0	3.0	3.0	1.5	
Maize	86	80	13.6	0.03	4.2	2.0	0.03	11
Oats	86	130	11.5	1.1	3.9	1.4	0.1	8-15
Palm kernel extract (PKE)	90	161	1.0	0.3	0.7	0.3	0.0	
Peas	87	240	13.0	1.4	4.3	1.7	0.1	
Wheat	86	130	12.6	0.6	4.0	1.6	0.1	8-17