

Table 2.2. Nutrient composition of common feedstuffs and range plants.^a

Feedstuff	Dry matter (%)	TDN (%)	CP (%)	Ca (%)	P (lb)
Grazed plants					
Brome, fresh, early vegetative	34	74	18	0.50	0.30
Dropseed, sand, fresh, stem-cured	88	59	5	0.57	0.06
Galleta, fresh, stem-cured	71	48	5.5	1.05	0.07
Needle and thread grass, fresh, stem-cured	92	49	4.4	1.09	0.06
Orchardgrass, fresh, early vegetative	23	72	18.4	0.58	0.54
Orchardgrass, fresh, midbloom	31	57	11	0.23	0.23
Redtop, fresh	29	63	11.6	0.46	0.29
Ryegrass, fresh	27	68	10.4	0.55	0.27
Sage, black, browse, fresh, stem-cured	65	49	8.5	0.81	0.17
Sagebrush, big, browse, fresh, stem-cured	65	50	9.3	0.71	0.18
Sagebrush, bud, browse, fresh, late vegetative	32	52	17.5	0.60	0.42
Saltbush, browse, fresh, stem-cured	55	36	7.2	2.21	0.12
Saltgrass, fresh, post ripe	74	53	4.2	0.23	0.07
Squirreltail, fresh, stem-cured	50	50	3.1	0.37	0.06
Summer cypress (kochia), fresh, stem-cured	85	50	9	2.36	0.12
Timothy, fresh, late vegetative	26	72	18	0.39	0.32
Timothy, fresh, midbloom	29	63	9	0.80	0.30
Wheatgrass, crested, fresh, early vegetative	28	75	21.5	0.46	0.34
Wheatgrass, crested, fresh, full bloom	45	61	9.8	0.39	0.28
Wheatgrass, crested, fresh, post ripe	80	49	3.1	0.27	0.07
Winterfat, fresh, stem-cured	80	35	10.8	1.98	0.12
Other roughage					
Alfalfa hay, early bloom	90	60	18	1.41	0.22
Alfalfa hay, midbloom	90	58	17	1.41	0.24
Alfalfa hay, late bloom	90	52	14	1.43	0.25
Alfalfa hay, mature	91	50	12.9	1.13	0.18
Barley straw	91	40	4.3	0.30	0.07
Brome hay, sun-cured, late vegetative	88	60	16	0.32	0.37
Brome hay, sun-cured, late bloom	89	55	10	0.30	0.35
Corn, silage	33	68	8.1	0.23	0.22
Fescue hay, sun-cured, early vegetative	91	61	12.4	0.51	0.36
Fescue hay, sun-cured, late vegetative	92	48	9.5	0.30	0.26
Oat hay	91	55	9.3	0.24	0.22
Oat straw	92	45	4.4	0.24	0.06
Orchardgrass, hay, sun-cured, late bloom	91	54	8.4	0.26	0.30
Redtop, hay, sun-cured, midbloom	94	57	11.7	0.63	0.35

^aTDN = total digestible nutrients; CP = crude protein; Ca = Calcium; P = Phosphorus

Table 2.2. Nutrient composition of common feedstuffs and range plants.^a

Feedstuff	Dry matter (%)	TDN (%)	CP (%)	Ca (%)	P (lb)
Other roughage (continued)					
Ryegrass, hay, sun-cured, midbloom	86	60	8.6	0.65	0.32
Sedge hay, sun-cured	89	52	9.4	—	—
Sweetclover, yellow, hay, sun-cured, midbloom	87	54	15.7	1.27	0.25
Timothy hay, sun-cured, full bloom	89	56	8.1	0.43	0.20
Wheatgrass, crested, hay, sun-cured	93	53	12.4	0.33	0.21
Wheat hay	88	58	8.5	0.15	0.39
Wheat straw	89	41	3.6	0.18	0.05
Concentrates (protein and energy)					
Barley	88	84	13.5	0.05	0.38
Beet molasses	78	79	8.5	0.17	0.03
Brewers grains	92	66	28.1	0.29	0.54
Corn	88	90	10	0.02	0.35
Cottonseed meal	91	76	45.2	0.22	1.21
Milo	89	80	12.4	0.04	0.33
Oats	89	77	13.3	0.07	0.38
Soybean meal, 44%	90	85	47.7	0.29	0.68
Wheat	89	88	16	0.04	0.42
Wheat middlings	89	69	18	0.18	0.99

Source: Adapted from National Research Council. 1984. *Nutrient Requirements of Beef Cattle*. National Academies Press, Washington, DC.