

Protein source (Body mass)	Performance (per day)	Dry matter intake (kg day <sup>-1</sup> )	Roughage part (DM <sup>c</sup> basis, %) <sup>3</sup>	Edible protein yield (g day <sup>-1</sup> ) <sup>d</sup>	Water need for feed (m <sup>3</sup> day <sup>-1</sup> ) <sup>e</sup>	WF (m <sup>3</sup> kg product <sup>-1</sup> ) <sup>f</sup>	WF (m <sup>3</sup> kg edible protein <sup>-1</sup> )
Dairy cow (650 kg)	2 kg milk	8	100	67	1.62	0.82	24.6
	5 kg milk	10	95	163	2.55	0.52	16.0
	10 kg milk	12	90	323	3.45	0.35	10.9
	20 kg milk	16	75	646	6.63	0.34	10.5
	40 kg milk	25	50	1292	15.64	0.40	12.3
Dairy goat (60 kg)	0.5 kg milk	1	100	17	0.20	0.40	11.8
	1 kg milk	1.5	90	34	0.43	0.43	12.6
	2 kg milk	2	80	68	0.75	0.38	11.0
	5 kg milk	2.5	50	170	1.57	0.31	9.3
Beef cattle (350 kg)	200 g ADG <sup>a</sup>	6.0	100	19	1.22	6.20	64.7
	500 g ADG	6.5	95	48	1.60	3.26	34.0
	1000 g ADG	7.0	85	95	2.30	2.35	24.7
	1500 g ADG	7.5	70	143	3.43	2.33	24.5
Growing/ fattening pig (80 kg)	200 g ADG	1.5	30	18	1.18	6.00	66.1
	500 g ADG	1.8	20	45	1.58	3.22	35.8
	700 g ADG	2	10/	63	1.93	2.81	31.3
	1000 g ADG	2.2	0	90	2.31	2.36	26.1
Chicken for fattening (1.5 kg)	20 g ADG	0.06	15	2.4	0.055	2.75	23.0
	40 g ADG	0.07	10	4.8	0.068	1.75	14.4
	60 g ADG	0.08	0	7.2	0.084	1.45	11.8
Laying hen (1.8 kg)	20 % LP <sup>b</sup>	0.09	30	1.4	0.071	7.20	51.4
	50 % LP	0.10	20	3.4	0.088	3.60	26.5
	70 % LP	0.11	10	4.8	0.106	3.15	22.5
	90 % LP	0.12	0	6.2	0.126	2.90	20.8

<sup>a</sup> Average daily gain, <sup>b</sup> Laying performance, <sup>c</sup> Dry matter, <sup>d</sup> See Table S2, <sup>e</sup> WF of feed by Mekonnen and Hoekstra (2010): 1048 L kg concentrate<sup>-1</sup>; 203 L kg roughage<sup>-1</sup>, <sup>f</sup> Water for management (drinking and cleaning) is assumed to be about 2 % of water for feed.