

APPENDIX A

Table 2 Requirements of Breeding Cattle (Nutrient Concentration in Dry Matter)

Wt ^a lbs.	ADG lbs.	DM ^b lbs.	Prot ^c %	NE _m ^d Mcal/lb	NE _g Mcal/lb	TDN %	Ca %	P %
Pregnant Yearling Heifers - Last Third of Pregnancy								
700	0.9	15.3	8.4	0.52	NA	55.4	0.27	0.20
700	1.4	15.8	9.0	0.60	0.34	60.3	0.33	0.21
700	1.9	15.8	9.8	0.70	0.43	67.0	0.33	0.21
750	0.9	16.1	8.3	0.52	NA	55.1	0.27	0.19
750	1.4	16.6	8.9	0.60	0.33	59.9	0.32	0.21
750	1.9	16.6	9.5	0.69	0.42	66.5	0.37	0.23
800	0.9	16.8	8.2	0.51	NA	54.8	0.28	0.20
800	1.4	17.4	8.8	0.59	0.33	59.6	0.33	0.21
800	1.9	17.5	9.3	0.69	0.42	66.1	0.35	0.21
850	0.9	17.6	8.2	0.51	NA	54.5	0.26	0.20
850	1.4	18.2	8.6	0.59	0.32	59.3	0.30	0.21
850	1.9	18.3	9.1	0.68	0.41	65.7	0.34	0.22
900	0.9	18.3	8.1	0.51	NA	54.3	0.26	0.20
900	1.4	19.0	8.5	0.58	0.32	59.1	0.30	0.21
900	1.9	19.2	9.0	0.68	0.41	65.4	0.32	0.21
950	0.9	19.0	8.0	0.50	NA	54.1	0.27	0.20
950	1.4	19.8	8.4	0.58	0.32	58.9	0.29	0.21
950	1.9	20.0	8.8	0.67	0.40	65.1	0.32	0.21
Dry pregnant mature cows - Middle third of pregnancy								
800	0.0	15.3	7.1	0.42	NA	48.8	0.17	0.17
900	0.0	16.7	7.0	0.42	NA	48.8	0.18	0.18
1000	0.0	18.1	7.0	0.42	NA	48.8	0.18	0.18
1100	0.0	19.5	7.0	0.42	NA	48.8	0.19	0.19
1200	0.0	20.8	6.9	0.42	NA	48.8	0.19	0.19
1300	0.0	22.0	6.9	0.42	NA	48.8	0.20	0.20
1400	0.0	23.3	6.9	0.42	NA	48.8	0.20	0.20
Dry pregnant mature cows - Last third of pregnancy								
800	0.9	16.8	8.2	0.51	NA	54.5	0.26	0.20
900	0.9	18.2	8.0	0.50	NA	54.0	0.27	0.21
1000	0.9	19.6	7.9	0.50	NA	53.6	0.26	0.20
1100	0.9	21.0	7.8	0.49	NA	53.2	0.26	0.21
1200	0.9	22.3	7.8	0.49	NA	52.9	0.26	0.21
1300	0.9	23.6	7.7	0.48	NA	52.7	0.26	0.21
1400	0.9	24.9	7.6	0.48	NA	52.5	0.26	0.21
Two-year-old heifers nursing calves - First 3-4 months postpartum - 10 lb milk/day								
700	0.5	15.9	11.3	0.67	0.40	65.1	0.36	0.24
750	0.5	16.7	11.0	0.66	0.40	64.4	0.34	0.24
800	0.5	17.6	10.8	0.66	0.39	63.8	0.34	0.24
850	0.5	18.4	10.6	0.65	0.38	63.2	0.33	0.23
900	0.5	19.2	10.4	0.64	0.37	62.7	0.32	0.23
950	0.5	20.0	10.2	0.63	0.37	62.3	0.31	0.23
1000	0.5	20.8	10.0	0.62	0.36	61.9	0.31	0.23

From *Nutrient Requirements for Growing and Finishing Beef Cattle (G2067)*, University Extension, University of Missouri-Columbia