Table 7. Nutrient Requirements of Growing Steer and Heifer Calves[a]

Body Wt. (lb)	ADG (lb)	DMI (lb/day)	Diet Nutrient Density						Daily Nutrients per Animal						
			TDN (%DM)	NE_m (Mcal/lb)	NE_g (Mcal/lb)	CP (%DM)	Ca (%DM)	P (%DM)	TDN (lb)	NE_m (Mcal)	NE_g (Mcal)	CP (lb)	Ca (lb)	P (lb)	Vit. A (1000's IU)
1,100 lb @ Finishing															
300	0.5	7.9	54	0.50	0.24	9.2	0.30	0.16	4.3	3.07	0.42	0.73	.024	.013	8
	1.0	8.4	59	0.57	0.31	11.4	0.46	0.23	5.0	3.07	0.90	0.95	.039	.019	8
	1.5	8.6	64	0.64	0.37	13.6	0.62	0.29	5.5	3.07	1.40	1.17	.053	.025	9
	2.0	8.6	69	0.72	0.44	16.2	0.79	0.36	5.9	3.07	1.92	1.39	.068	.031	9
	2.5	8.5	75	0.81	0.52	18.9	0.96	0.40	6.4	3.07	2.46	1.61	.082	.034	9
	3.0	8.2	83	0.92	0.62	22.2	1.17	0.51	6.8	3.07	3.00	1.83	.096	.042	8
400	0.5	9.8	54	0.50	0.24	8.7	0.27	0.15	5.3	3.81	0.52	0.85	.026	.015	10
	1.0	10.4	59	0.57	0.31	10.4	0.39	0.20	6.1	3.81	1.12	1.08	.040	.021	10
	1.5	10.7	64	0.64	0.37	12.1	0.50	0.24	6.8	3.81	1.74	1.30	.053	.026	11
	2.0	10.7	69	0.72	0.44	14.1	0.62	0.29	7.4	3.81	2.39	1.51	.066	.031	11
	2.5	10.6	75	0.81	0.52	16.3	0.75	0.34	8.0	3.81	3.05	1.72	.079	.036	11
	3.0	10.2	83	0.92	0.62	19.0	0.90	0.41	8.5	3.81	3.72	1.94	.092	.042	10
500	0.5	11.6	54	0.50	0.24	8.4	0.25	0.15	6.3	4.50	0.62	0.97	.029	.017	12
	1.0	12.2	59	0.57	0.31	9.8	0.34	0.18	7.2	4.50	1.32	1.19	.041	.022	12
	1.5	12.6	64	0.64	0.37	11.2	0.42	0.22	8.1	4.50	2.06	1.41	.054	.027	13
	2.0	12.7	69	0.72	0.44	12.8	0.52	0.25	8.8	4.50	2.82	1.63	.066	.032	13
	2.5	12.5	75	0.81	0.52	14.7	0.62	0.30	9.4	4.50	3.60	1.84	.077	.037	13
	3.0	12.1	83	0.92	0.62	16.9	0.74	0.35	10.0	4.50	4.40	2.05	.089	.042	12
600	0.5	13.2	54	0.50	0.24	8.2	0.23	0.14	7.1	5.16	0.71	1.08	.031	.019	13
	1.0	14.0	59	0.57	0.31	9.4	0.30	0.17	8.3	5.16	1.51	1.31	.043	.024	14
	1.5	14.4	64	0.64	0.37	10.6	0.38	0.20	9.2	5.16	2.36	1.53	.054	.028	14
	2.0	14.6	69	0.72	0.44	11.9	0.44	0.22	10.1	5.16	3.23	1.74	.065	.033	15
	2.5	14.4	75	0.81	0.52	13.6	0.52	0.26	10.8	5.16	4.13	1.95	.075	.037	14
	3.0	13.8	83	0.92	0.62	15.7	0.62	0.30	11.5	5.16	5.04	2.17	.086	.041	14
700	0.5	14.9	54	0.50	0.24	8.0	0.22	0.14	8.0	5.79	0.79	1.19	.033	.021	15
	1.0	15.8	59	0.57	0.31	9.0	0.28	0.16	9.3	5.79	1.70	1.42	.044	.026	16
	1.5	16.2	64	0.64	0.37	10.1	0.33	0.19	10.4	5.79	2.65	1.64	.054	.030	16
	2.0	16.3	69	0.72	0.44	11.4	0.39	0.21	11.2	5.79	3.63	1.85	.064	.034	16
	2.5	16.1	75	0.81	0.52	12.8	0.46	0.24	12.1	5.79	4.64	2.06	.074	.038	16
	3.0	15.5	83	0.92	0.62	14.6	0.54	0.27	12.9	5.79	5.66	2.27	.084	.042	16
1,200 lb @ Finishing															
300	0.5	7.8	54	0.49	0.24	9.4	0.31	0.17	4.2	3.07	0.39	0.73	.025	.013	8
	1.0	8.3	58	0.56	0.30	11.5	0.48	0.23	4.8	3.07	0.84	0.95	.040	.019	8
	1.5	8.6	63	0.63	0.36	13.7	0.63	0.29	5.4	3.07	1.31	1.17	.054	.025	9
	2.0	8.6	68	0.70	0.42	16.2	0.80	0.36	5.8	3.07	1.80	1.40	.069	.031	9
	2.5	8.6	73	0.78	0.50	18.7	0.96	0.43	6.3	3.07	2.30	1.61	.083	.037	9
	3.0	8.3	80	0.88	0.58	22.0	1.18	0.52	6.6	3.07	2.81	1.83	.098	.043	8
400	0.5	9.7	54	0.49	0.24	8.8	0.28	0.16	5.2	3.81	0.49	0.85	.027	.015	10
	1.0	10.3	58	0.56	0.30	10.4	0.39	0.20	6.0	3.81	1.04	1.07	.041	.021	10
	1.5	10.6	63	0.63	0.36	12.2	0.51	0.25	6.7	3.81	1.63	1.30	.054	.026	11
	2.0	10.7	68	0.70	0.42	14.1	0.63	0.30	7.3	3.81	2.23	1.51	.068	.032	11
	2.5	10.7	73	0.78	0.50	16.1	0.76	0.35	7.8	3.81	2.85	1.72	.081	.037	11
	3.0	10.4	80	0.88	0.58	18.7	0.90	0.41	8.3	3.81	3.49	1.94	.094	.043	10
500	0.5	11.5	54	0.49	0.24	8.4	0.25	0.15	6.2	4.50	0.58	0.97	.029	.017	12
	1.0	12.2	58	0.56	0.30	9.8	0.34	0.18	7.1	4.50	1.23	1.19	.042	.022	12
	1.5	12.6	63	0.63	0.36	11.2	0.43	0.22	7.9	4.50	1.93	1.41	.055	.028	13
	2.0	12.6	68	0.70	0.42	12.9	0.53	0.26	8.6	4.50	2.64	1.63	.067	.033	13
	2.5	12.6	73	0.78	0.50	14.6	0.63	0.30	9.2	4.50	3.37	1.84	.079	.038	13
	3.0	12.2	80	0.88	0.58	16.8	0.75	0.35	9.8	4.50	4.12	2.05	.092	.043	12
600	0.5	13.2	54	0.49	0.24	8.2	0.24	0.15	7.1	5.16	0.66	1.08	.031	.019	13
	1.0	14.0	58	0.56	0.30	9.3	0.31	0.17	8.1	5.16	1.42	1.31	.043	.024	14
	1.5	14.4	63	0.63	0.36	10.6	0.38	0.20	9.1	5.16	2.21	1.52	.055	.029	14
	2.0	14.4	68	0.70	0.42	12.1	0.46	0.23	9.8	5.16	3.03	1.74	.067	.034	14
	2.5	14.4	73	0.78	0.50	13.5	0.54	0.26	10.5	5.16	3.87	1.95	.078	.038	14
	3.0	14.0	80	0.88	0.58	15.4	0.64	0.31	11.2	5.16	4.73	2.16	.089	.043	14
700	0.5	14.8	54	0.49	0.24	8.0	0.23	0.14	8.0	5.79	0.74	1.18	.034	.021	15
	1.0	15.7	58	0.56	0.30	9.0	0.29	0.17	9.1	5.79	1.59	1.42	.045	.026	16
	1.5	16.2	63	0.63	0.36	10.1	0.34	0.19	10.2	5.79	2.48	1.64	.056	.030	16
	2.0	16.3	68	0.70	0.42	11.3	0.41	0.21	11.1	5.79	3.40	1.85	.067	.035	16
	2.5	16.2	73	0.78	0.50	12.7	0.47	0.24	11.8	5.79	4.34	2.05	.077	.039	16
	3.0	15.8	80	0.88	0.58	14.4	0.55	0.27	12.6	5.79	5.30	2.27	.087	.043	16

[a]1,100 or 1,200 lb @ finishing (28 percent body fat) or maturity (replacement heifers).