

Nutrient Requirements

Medium-Frame Steer Calves



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EXTENSION

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Legend

DMI = Dry Matter Intake

CP = Crude Protein

TDN = Total Digestible Nutrients

Ca = Calcium

P = Phosphorus

	Requirements				
	DMI	CP	TDN	Ca	P
	% of BW		-----%		
BW 400 lb					
ADG - 1.0 lb/d	2.60%	10.3	58.5	0.38	0.21
1.5 lb/d	2.70%	11.5	63	0.47	0.25
2.0 lb/d	2.75%	12.7	67.5	0.56	0.26
2.5 lb/d	2.75%	14.2	73.5	0.68	0.30
3.0 lb/d	2.50%	16.6	85	0.86	0.37
BW 500 lb					
ADG - 1.0 lb/d	2.46%	9.5	58.5	0.32	0.20
1.5 lb/d	2.56%	10.5	63	0.40	0.22
2.0 lb/d	2.62%	11.4	67.5	0.47	0.24
2.5 lb/d	2.60%	12.5	73.5	0.56	0.27
3.0 lb/d	2.36%	14.4	85	0.69	0.32
BW 600 lb					
ADG - 1.0 lb/d	2.35%	9.0	58.5	0.28	0.19
1.5 lb/d	2.45%	9.8	63	0.35	0.21
2.0 lb/d	2.50%	10.5	67.5	0.40	0.22
2.5 lb/d	2.48%	11.4	73.5	0.46	0.24
3.0 lb/d	2.25%	12.9	85	0.57	0.29
BW 700 lb					
ADG - 1.0 lb/d	2.26%	8.6	58.5	0.27	0.18
1.5 lb/d	2.36%	9.2	63	0.31	0.20
2.0 lb/d	2.40%	9.8	67.5	0.34	0.21
2.5 lb/d	2.39%	10.5	73.5	0.40	0.22
3.0 lb/d	2.17%	11.7	85	0.49	0.26
BW 800+ lb					
ADG - 1.0 lb/d	2.19%	8.0	58.5	0.23	0.18
1.5 lb/d	2.28%	8.4	63	0.25	0.19
2.0 lb/d	2.33%	8.8	67.5	0.28	0.20
2.5 lb/d	2.31%	9.3	73.5	0.31	0.20
3.0 lb/d	2.10%	10.1	85	0.37	0.23

Source: NRC, 2000. Adapted from NRC Nutrient Requirement of Beef Cattle