

# Nutrient Requirements

## Growing Bulls



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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		-----%		
<b>BW 400 lb</b>					
ADG - 1.0 lb/d	2.58%	11.6	57.5	0.39	0.21
1.5 lb/d	2.68%	13.4	61.5	0.49	0.25
2.0 lb/d	2.75%	15.2	65.5	0.60	0.28
2.5 lb/d	2.78%	17.0	70	0.70	0.32
3.0 lb/d	2.70%	19.3	76.5	0.84	0.37
<b>BW 600 lb</b>					
ADG - 1.0 lb/d	2.32%	9.2	57.5	0.30	0.79
1.5 lb/d	2.42%	10.0	61.5	0.36	0.21
2.0 lb/d	2.48%	10.8	65.5	0.43	0.24
2.5 lb/d	2.50%	11.6	70	0.50	0.25
3.0 lb/d	2.45%	12.7	76.5	0.57	0.29
<b>BW 800 lb</b>					
ADG - 1.0 lb/d	2.16%	8.4	57.5	0.25	0.19
1.5 lb/d	2.25%	9.0	61.5	0.29	0.20
2.0 lb/d	2.31%	9.5	65.5	0.33	0.21
2.5 lb/d	2.33%	10.1	70	0.38	0.23
3.0 lb/d	2.28%	10.8	76.5	0.44	0.24
<b>BW 1,000 lb</b>					
ADG - 1.0 lb/d	2.04%	8.0	57.5	0.24	0.19
1.5 lb/d	2.13%	8.4	61.5	0.26	0.19
2.0 lb/d	2.18%	8.7	65.5	0.28	0.19
2.5 lb/d	2.20%	9.1	70	0.31	0.20
3.0 lb/d	2.15%	9.6	76.5	35.00	0.21
<b>BW 1,500 lb</b>					
ADG - 2.0 lb/d	1.70%	6.1	65	0.22	0.19
<b>BW 2,000 lb</b>					
ADG - 0.0 lb/d	2.10%	6.8	48.5	0.22	0.19

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