

# Nutrient Requirements

## Heifers



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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

	<u>Requirements</u>				
	DMI	CP	TDN	Ca	P
<b>GROWING HEIFERS</b>	<u>% of BW</u>	<u>-----%</u>			
<b>BW 400 lb</b>					
ADG - 1.0 lb/d	2.48%	10.2	62	0.36	0.20
1.5 lb/d	2.55%	11.4	68.5	0.45	0.24
2.0 lb/d	2.50%	12.9	77	0.57	0.29
<b>BW 500 lb</b>					
ADG - 1.0 lb/d	2.36%	9.4	62	0.30	0.21
1.5 lb/d	2.42%	10.3	68.5	0.38	0.22
2.0 lb/d	2.36%	11.4	77	0.45	0.24
<b>BW 600 lb</b>					
ADG - 1.0 lb/d	2.25%	8.8	62	0.28	0.20
1.5 lb/d	2.30%	9.5	68.5	0.32	21.00
2.0 lb/d	2.25%	10.4	77	0.38	0.23
<b>BW 700 lb</b>					
ADG - 1.0 lb/d	2.16%	8.4	62	0.25	0.19
1.5 lb/d	2.21%	9.0	68.5	0.28	0.20
2.0 lb/d	2.17%	9.6	77	0.32	0.22
<b>BW 800 lb</b>					
ADG - 1.0 lb/d	2.09%	8.1	62	0.22	0.18
1.5 lb/d	2.15%	8.5	68.5	0.24	0.19
2.0 lb/d	2.10%	9.0	77	0.28	0.19
<b>PREGNANT HEIFERS</b>					
ADG - 1.0 lb/d	2.02%	8.5	55.1	0.26	0.20
1.5 lb/d	2.11%	9.0	60	0.30	0.21
2.0 lb/d	2.14%	9.5	66	0.34	0.22
<b>LACTATING HEIFERS</b>					
	2.12%	11	63	0.34	0.24

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