

This patented prefresh feeding technology is a research-proven phosphorus binder that significantly increases fresh cow blood calcium via the following mechanism:



X-ZELIT FEEDING RATE RECOMMENDATIONS* (US-12,150,954-B1)

Dietary Phosphorus	Prefresh Dry Matter Intake (lb)					
	22 lb	24 lb	26 lb	28 lb	30 lb	32 lb
0.28 – 0.31%	0.50	0.55	0.60	0.65	0.70	0.75
0.32 – 0.35%	0.55	0.60	0.70	0.75	0.80	0.85
0.36 – 0.39%	0.65	0.70	0.80	0.85	0.90	0.95

*X-Zelit feeding rate listed is on a pound per day, as-fed basis (93% DM Product)

Dietary Phosphorus	Prefresh Dry Matter Intake (kg)					
	10 kg	11 kg	12 kg	13 kg	14 kg	15 kg
0.28 – 0.31%	235	260	285	305	330	355
0.32 – 0.35%	270	295	320	350	375	400
0.36 – 0.39%	300	330	360	390	420	450

*X-Zelit feeding rate listed is on a grams per day, as-fed basis (93% DM Product)

NUTRIENT GUIDELINES

42 – 48% Dry Matter	≥ 0.55 Calcium
> 1200 grams Metabolizable Protein	0.28 – 0.39% Phosphorus
16 – 20% Starch	≥ 0.40% Magnesium
36 – 42% aNDFom	0.22 – 0.28% Sulfur
Potassium/DCAD: Minimal Importance	
Can feed haylage/small grain forages	
Standard recommendations for all other minerals/vitamins	

MONITORING PROTOCOL (US-12,150,954-B1)

STEP 1:

TMR WET CHEMISTRY ANALYSIS

KEY METRIC GOALS:

Dietary Phosphorus:
0.28 – 0.39% (2800 – 3900 ppm)

Dietary Aluminum:
2800 – 3900 ppm

Dietary P:Alu Ratio:
0.80 – 1.20

STEP 2:

BLOOD PHOSPHORUS TESTING

KEY METRIC GOALS:

Pre-Fresh Cows:
2.0 – 3.0 mg/dL

Fresh Cows (< 6 hrs):
1.8 – 3.0 mg/dL

Post-Fresh Cows (≥ 2 days):
3.5 – 6.0 mg/dL