

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



CASTA LIQUID: RECOMMENDED FEEDING RATES* (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%	2	2.2	2.4	2.6	2.8	3
0.32 – 0.35%	2.2	2.4	2.8	3	3.2	3.4
0.36 – 0.39%	2.6	2.8	3.2	3.4	3.6	3.8

*Casta Liquid feeding rate listed is on a pound per day, as-fed basis (61% 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%	0.95	1.05	1.15	1.25	1.35	1.45
0.32 – 0.35%	1.10	1.20	1.30	1.40	1.50	1.60
0.36 – 0.39%	1.20	1.35	1.45	1.55	1.70	1.80

*Casta Liquid feeding rate listed on a kilogram per day daily, as-fed basis (61% DM Product)

NUTRIENT GUIDELINES

42 – 48% Dry Matter	0.55 – 0.80% 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 Phosphorous:
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