





Choline is a Required Nutrient for a Healthy Transition

Choline plays an important role in metabolic health. Multiple studies have shown ReaShure's impact on transition cow health.

-Dr. Marcos Zenobi, Research Study from 2018





Precision Release Choline

The transition to lactation is a metabolically challenging period for a dairy cow as they biologically prepare for calving and the onset of lactation. ReaShure® *Precision Release Choline* has a 25-year track record of helping cows make a healthy transition from the dry period into a prosperous lactation.

HEALTHY TRANSITION

- · Approximately 180 cows per treatment
- Incidences of clinical ketosis, mastitis and morbidity were significantly reduced (P < 0.10) in ReaShure-fed cows
- Though not significant, metritis, DAs and mortality were all reduced by more than 30% in ReaShure-fed cows
- Study evaluated health benefits from ReaShure in a large commercial dairy
- The percent of cows involuntarily leaving the herd by 300 DIM was significantly (*P* < 0.05) reduced by 16.6% in cows fed ReaShure
- Liver fat accumulation decreased linearly with increasing doses of ReaShure
- Choline enhances the liver's ability to package and export fat out of the liver
- Managing liver fat accumulation during transition can help reduce the negative effects of fatty liver on cow health

In dairy cattle, choline is recognized by scientists as a required nutrient for a successful lactation, which must first begin with a healthy transition period. ReaShure is backed by new research that is demonstrating that choline is a required nutrient for essentially every cow regardless of milk production level, body condition score or health status.

	Control	ReaShure		
	Average, %	Average, %	%, Reduction	P Value
Retained Placenta	11.2	10.1	9.8	0.72
Fever	31.1	31.6	-1.6	0.77
Puerperal Metritis	3.4	3.4	0.0	0.69
Metritis	11.3	7.9	30.1	0.33
Clinical Ketosis	11.3	4.0	64.6	0.01
Displaced Abomasum	4.5	2.3	48.9	0.77
Mastitis	22.5	14.8	34.2	0.06
Morbidity	57.1	38.4	32.7	0.001
Mortality	7.1	4.5	36.6	0.27
Left Study	9.8	8.3	15.3	0.63

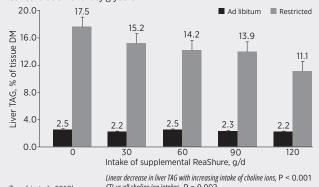
Table 1 The effects of feeding ReaShure during transition on health disorders

Table 2 Effect of feeding ReaShure prepartum on health events

	Control Average, %	ReaShure Average, %	%, Reduction	P Value
Retained Placenta	4.7	4.7	0.0	0.9
Metritis	20.5	22	-7.3	0.62
Milk Fever	2.4	0.9	62.5	0.08
Mastitis	5.5	5.6	-1.8	0.47
Morbidity	32.6	33.3	-2.1	0.62
Multiple Diseases	7.7	5.6	27.3	0.12
Subclinical Disease				
Hypocalcemia	45.9	56.1	-22.2	0.49
Hyperketonemia	18.1	18.3	-1.1	0.77
Left Herd by 300 DIM	30.7	25.6	16.6	0.05
Sold	27	23.3	13.7	0.08
Mortality	2.9	2.3	20.7	0.92

Poindexter et al., In Review

Figure 1 Effect of increasing intake of choline ion from ReaShure on liver concentration of triacylglycerol



Zenobi et al., 2018b

Download the complete research summary featuring five studies by snapping the QR code at right.



