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Grain Prep® Processing Aid

Makes better feed and *REDUCES* feed cost $7+ per head

Shown below is a summary of data for steam flaked corn and rolled barley processed with Grain Prep Processing Aid compared to grain processed with water only:

Parameter	Steam Flaked Corn	Rolled Barley
Ruminal degradation	4.2%[A,2,3]	9.4%[B,1]
Dry matter intake	-3.1%[C]	0
Average daily gain	0	0
Feed efficiency	0	-6.5%[B,1]
Longissimus muscle (rib eye) area	2.1%[C]	11%[B,1]
Return on Investment*	>10:1	>8:1

A (P<0.01) B (P<0.05) C (P=0.05)

*Data used in steam flaked corn ROI Calculation:

- Average daily corn intake = 20 lbs
- Feeding period = 140 days
- Corn cost = $5.00/bu.
- Reduced feed consumption = 3.1%
- Grain Prep Processing Aid use cost = $0.50 per ton of corn processed

References:

1. Wang, Y., D. Greer and T. A. McAllister.2003.Effects of moisture, roller setting, and saponin-based surfactant on barley processing, ruminal degradation of barley and growth performance by feedlot steers. J. Anim. Sci. 2003. 81:2145-2154
2. Hristov, A. N., K. L. Grandeen, J. K. Ropp, and D. Greer.2004.Effect of grain type and Yucca Schidigera based surfactant on ammonia utilization *in vitro* and *in situ* degradability of corn grain. Anim. Feed Sci. Technol. 115:341-355
3. Hristov, A. N., S. Zaman, M. VanderPol, P. Szasz, K. Huber, and D. Greer.2007.Effect of a saponin-based surfactant and aging time on ruminal degradability of flaked corn grain dry matter and starch. J. Anim. Sci. 85:1459-1466