

# Dairyland Laboratories, Inc.

Arcadia, WI ~ Stratford, WI ~ St. Cloud, MN

Arcadia Lab

608-323-2123

## UW Grain Evaluation System

Report Date: 04/29/2009

Sample # 123456

TO: Your Feed Dealership  
132 Main Street  
Your City, WI 54612

ACCOUNT# 693  
SAMPLED BY: Your Feed Dealership  
SAMPLED FOR: DAVE TAYSOM

PRODUCT: HM Corn

Moisture	%	28.00
Dry Matter	%	72.00

			<u>Average</u>	<u>Normal Range</u>
Crude Protein	%DM	9.12	9.13	6.07 - 12.19
NDF	%DM	8.45	8.85	5.48 - 12.22
Starch	%DM	68.90	68.00	60.12 - 75.88
Prolamin	%DM	5.00	5.00	1.00 - 10.00
Prolamin	% Starch	7.20		

Mean Particle Size - Microns	2000
Processing Classification	Medium-Course Grind
Relative Grain Quality	148

	Abbrev	Unit	Result
Total Digestible Nutrients, 1X	TDN	% of DM	88.20
Net Energy Lactation, 3X	NEL	Mcals/lb	0.89
Net Energy Maintenance	NEM	Mcals/lb	0.96
Net Energy Gain	NEG	Mcals/lb	0.65

Reducing the particle size of the grain will increase the starch digestibility and the Relative Grain Quality (RGQ). The following table is a projection of RGQ based on the mean particle size. (MPS)

<u>MPS</u>	<u>Projected RGQ</u>	<u>Projected TDN</u>
1650	155	89.22
1200	165	90.57
800	174	92.03
600	179	92.66