

**Table 1. Alfalfa variety dry matter yield, milk production (expressed as percent of Vernal), RFQ index, CP and NDF (% dry matter), and NDFD (% NDF); 2010 season totals and weighted averages from a trial seeded in 2009 at Rosemount, MN.**

Variety, listed in descending order of milk production	DM yield <sup>1</sup> Ton/ acre	Milk, (% of Vernal) <sup>2</sup>		RFQ <sup>3</sup> , index	CP <sup>3</sup> , % dm	NDF <sup>3</sup> , % dm	NDFD <sup>4</sup> , % NDF
		Lb/ acre	Lb/ ton				
CW 044026 <sup>5</sup>	5.7	126	102	142	18.3	42.0	46.0
CIMARRON	5.5	119	100	135	18.0	43.3	45.0
WL 322HQ	5.1	114	104	148	19.0	41.8	47.8
54Q32 <sup>5</sup>	5.1	113	102	144	18.3	42.3	46.0
VELOCITY	5.2	113	100	142	18.3	42.5	45.3
VERNAL	4.6	100	100	139	17.8	43.3	46.5
Vernal, actual values	4.6	12222	2641	139	17.8	43.3	46.5
Mean	5.2	13934	2671	142	18.3	42.5	46.1
LSD ( 5%)	0.67	15	4	8	0.7	1.7/ns	3.0/ns
CV (%)	8.5	8.6	2.4	5.4	3.3	2.6	4.3

<sup>1</sup> A seasonal 4-harvest total taken 2010.

<sup>2</sup> Milk production (pounds milk per acre and ton) are predicted using the MILK2006 spreadsheet, version milk2006alfalfagrass, developed at the University of Wisconsin.

<sup>3</sup> RFQ=relative forage quality index; CP=% crude protein; and NDF=% neutral detergent fiber. Variables expressed as average concentration for the season.

<sup>4</sup> NDFD=neutral detergent fiber digestibility, expressed as % NDF concentration.

<sup>5</sup> Entered as experimental germplasm by alfalfa breeder.