

MINNESOTA
Forage Quality Test Results

2004 Forage Quality Trials, Rosemount, MN ...Seeded 2003

(rows sorted by season total lbs milk/acre)

Entry	6/7/04							7/15/04							8/20/04		
	yield ton/a	milk lbs/ton	milk lbs/a	RFQ	CP %	NDF %	dig. %	yield ton/a	milk lbs/ton	milk lbs/a	RFQ	CP %	NDF %	dig. %	yield ton/a	milk lbs/ton	milk lbs/a
6415	2.24	3051	6827	162	21	40	50	2.26	3044	6885	161	20	41	52	1.59	3247	5172
BARALFA 53 HR	2.19	3023	6605	160	21	40	50	2.29	2980	6817	152	20	43	52	1.59	3188	5083
DKA33-16	2.30	2982	6855	157	20	40	48	2.20	3124	6861	173	20	39	53	1.42	3268	4640
4A421	2.26	3039	6868	163	21	40	50	2.11	3043	6433	162	21	41	53	1.59	3146	4991
EXTREME	2.22	3023	6697	164	21	39	50	2.17	2988	6470	153	19	43	52	1.54	3217	4954
VERNAL	2.42	2991	7229	156	21	42	50	2.00	2961	5930	150	20	44	52	1.40	3242	4532
54Q25	2.25	2964	6683	150	20	43	49	2.02	3110	6297	169	20	40	54	1.44	3273	4703
WL 322 HQ	2.15	2997	6433	162	21	40	49	1.97	3167	6228	180	22	38	54	1.49	3236	4819
CIMARRON	2.02	3015	6084	161	22	40	50	2.12	3014	6383	156	20	42	52	1.40	3229	4517
Mean	2.23	3010	6698	160	21	41	50	2.13	3048	6478	162	20	41	53	1.50	3227	4823
LSD 5%																	
CV %																	

WISCONSIN
Forage Quality Test Results

2004 Forage Quality Trials, Arlington, WI ...Seeded 2003

(rows sorted by season total lbs milk/acre)

Entry	6/8/04							7/12/04							8/16/04		
	yield ton/a	milk lbs/ton	milk lbs/a	RFQ ^a	CP %	NDF %	dig. ^b %	yield ton/a	milk lbs/ton	milk lbs/a	RFQ	CP %	NDF %	dig. %	yield ton/a	milk lbs/ton	milk lbs/a
BARALFA 53 HR	3.28	2696	8844	141	24	41	46	2.61	2966	7725	156	22	43	55	1.94	3020	5851
EXTREME	3.16	2689	8490	140	24	42	46	2.69	2838	7621	144	22	45	54	1.94	3078	5978
54Q25	3.23	2668	8605	134	23	44	46	2.37	2984	7064	158	22	43	56	2.09	3068	6396
VERNAL	3.31	2651	8761	133	23	44	46	2.80	2825	7902	140	21	47	56	1.66	3141	5222
4A421	3.30	2675	8815	139	24	42	46	2.23	2958	6589	155	22	43	55	2.04	3032	6185
6415	3.20	2737	8759	146	24	41	47	2.39	2827	6742	144	22	45	54	1.89	3088	5828
DKA33-16	3.35	2676	8959	138	24	42	46	2.35	2894	6801	149	22	44	55	1.83	3032	5533
Mean	3.26	2685	8748	139	24	42	46	2.49	2899	7206	149	22	44	55	1.91	3065	5856
LSD 5%																	
CV %																	

RFQ^a = Relative Forage Quality. For a technical discussion of RFQ see:

<http://www.uwex.edu/ces/forage/pubs/rfq.htm>

dig.^b = NDF digestibility. For a technical discussion of NDF digestibility see:

<http://www.uwex.edu/ces/forage/pubs/milk2000.htm>

CP = Crude Protein

NDF = Neutral Detergent Fiber

Season totals and averages
(NIRS values, weighted averages)

RFQ	CP	NDF	dig.	yield	milk	milk	RFQ	CP	NDF	dig.
	%	%	%	ton/a	lbs/ton	lbs/a		%	%	%
189	20	36	52	6.09	3100	18884	169	20	40	51
182	21	37	52	6.07	3051	18510	163	20	40	51
198	21	35	52	5.91	3102	18349	172	20	39	51
177	20	38	51	5.96	3070	18297	166	21	40	51
187	20	37	52	5.92	3059	18106	166	20	40	51
197	22	35	52	5.82	3040	17683	164	21	41	51
193	21	36	53	5.72	3092	17673	167	20	40	52
190	21	36	52	5.60	3116	17458	175	21	38	52
194	22	35	52	5.53	3070	16992	168	21	40	51
190	21	36	52	5.85	3078	17995	168	21	40	51
				ns	ns	ns	ns	ns	ns	ns
				7.0	1.7	7.1	4.5	3.0	3.4	1.9

Season totals and averages
(NIRS values, weighted averages)

RFQ	CP	NDF	dig.	yield	milk	milk	RFQ	CP	NDF	dig.
	%	%	%	ton/a	lbs/ton	lbs/a		%	%	%
163	22	41	55	7.82	2866	22416	152	23	42	51
171	23	40	56	7.79	2838	22105	149	23	42	51
166	22	41	55	7.68	2874	22070	150	22	43	52
182	24	38	58	7.77	2819	21906	146	23	44	52
163	22	42	55	7.56	2854	21578	150	23	42	51
171	22	40	56	7.47	2855	21327	152	23	42	51
165	22	41	55	7.52	2828	21268	148	23	43	51
169	22	41	56	7.66	2848	21810	149	23	42	51
				ns	30	ns	4	ns	1	ns
				7.8	0.7	7.7	1.6	1.8	1.3	0.9