

Minnesota
 University of Minnesota-Department of Agronomy and Plant Genetics
 Rosemount, Dakota County, UMore Park
 Sown April 27, 2006

Entry (by total yield)	2007 Harvest (tons DM/acre)		Relative Yield 1-Yr % of Checks
	31-May	Total	
Released Varieties			
MARINER III	1.94	1.94	108
GENOA	1.85	1.85	103
54V46	1.81	1.81	101
53Q30	1.81	1.81	101
6443 RR	1.81	1.81	101
DKA34-17RR	1.78	1.78	99
DKA41-18RR	1.73	1.73	97
WL 343 HQ	1.65	1.65	92
6415	1.60	1.60	90
Checks			
5312	1.94	1.94	108
ONEIDA VR	1.70	1.70	95
VERNAL	1.74	1.74	97
...3 Checks	1.79	1.79	100
Mean	1.78	1.78	99
Range	0.34	0.34	19
LSD 5%	0.23	0.23	13
CV %	8.7	8.7	8.7
MCV (LSD/Mean)	0.13	0.13	0.13
LSR (LSD/Range)	0.67	0.67	0.67

Minnesota
 University of Minnesota-Department of Agronomy and Plant Genetics
 Rosemount, Dakota County, UMore Park
 Sown May 5, 2005

Entry (by total yield)	2007 Harvest (tons DM/acre)		2006 Total	2-Yr Total	Relative Yield 2-Yr % of Checks
	30-May	Total			
<u>Released Varieties</u>					
54V46	2.96	2.96	6.59	9.54	114
4S419	3.09	3.09	6.42	9.51	113
L-311	3.00	3.00	6.41	9.41	112
WL 348AP	2.85	2.85	6.54	9.39	112
INTEGRITY	2.98	2.98	6.24	9.21	110
53Q30	2.82	2.82	6.36	9.17	109
ESCALADE	2.85	2.85	6.31	9.16	109
MARVEL	2.81	2.81	6.29	9.10	109
6420	2.84	2.84	6.06	8.90	106
6400 HT	2.85	2.85	6.00	8.85	106
6415	2.77	2.77	5.98	8.75	104
GOLDLEAF	2.68	2.68	6.06	8.75	104
ENFORCER	2.73	2.73	6.02	8.75	104
VIKING 357	2.79	2.79	5.81	8.60	103
8630	2.67	2.67	5.88	8.55	102
STAMPEDE	2.54	2.54	5.77	8.32	99
BARALFA 42 IQ	2.63	2.63	5.45	8.08	96
<u>Checks</u>					
5312	2.79	2.79	5.90	8.70	104
ONEIDA VR	2.53	2.53	5.58	8.11	97
VERNAL	2.64	2.64	5.71	8.34	100
...3 Checks	2.65	2.65	5.73	8.38	100
Mean	2.79	2.79	6.07	8.86	106
Range	0.57	0.57	1.14	1.46	17
LSD 5%	0.40	0.40	0.53	0.77	9
CV %	10.1	10.1	6.2	6.1	6.1
MCV (LSD/Mean)	0.14	0.14	0.09	0.09	0.09
LSR (LSD/Range)	0.71	0.71	0.47	0.52	0.52

Minnesota
 University of Minnesota-Department of Agronomy and Plant Genetics
 Rosemount, Dakota County, UMore Park
 Sown May 19, 2004

Entry (by total yield)	2007 Harvest (tons DM/acre)		2006 Total	2005 Total	3-Yr Total	Relative Yield 3-Yr % of Checks
	30-May	Total				
<u>Released Varieties</u>						
6415	2.43	2.43	7.32	6.35	16.10	111
LIGHTNING III	2.35	2.35	7.44	6.25	16.04	111
SUMMERGOLD	2.40	2.40	7.09	6.13	15.62	108
REBOUND 5.0	2.44	2.44	6.87	6.16	15.46	107
54V46	2.39	2.39	6.86	6.12	15.37	106
PHABULOUS II	2.44	2.44	6.53	6.36	15.34	106
6400HT	2.52	2.52	6.69	6.05	15.26	105
GENOA	2.33	2.33	6.95	5.97	15.25	105
DKA42-15	2.41	2.41	6.71	6.12	15.24	105
JADE III	2.38	2.38	6.66	6.11	15.15	104
ABUNDANCE	2.40	2.40	6.74	6.01	15.15	104
54Q25	2.34	2.34	6.86	5.94	15.14	104
MACON	2.39	2.39	6.59	6.05	15.02	104
Wyo. BRR - Resistant	2.26	2.26	6.30	6.38	14.94	103
LEGENDAIRY 5.0	2.36	2.36	6.47	5.83	14.65	101
6200HT	2.27	2.27	6.27	5.92	14.46	100
4R429	2.21	2.21	6.57	5.46	14.24	98
VIKING 357	2.24	2.24	6.54	5.44	14.21	98
HYBRIFORCE-420/WET	2.31	2.31	6.14	5.73	14.18	98
SHAW	2.26	2.26	6.07	5.85	14.18	98
<u>Checks</u>						
5312	2.36	2.36	6.64	6.12	15.11	104
ONEIDA VR	2.03	2.03	5.78	5.63	13.44	93
VERNAL	2.43	2.43	6.35	6.20	14.97	103
...3 Checks	2.27	2.27	6.25	5.98	14.51	100
Mean	2.34	2.34	6.76	6.01	14.98	103
Range	0.49	0.49	1.66	1.03	2.66	18
LSD 5%	0.26	0.26	0.62	0.45	1.03	7
CV %	7.7	7.7	6.5	5.3	4.8	4.8
MCV (LSD/Mean)	0.16	0.11	0.09	0.07	0.07	0.07
LSR (LSD/Range)	0.47	0.53	0.37	0.44	0.39	0.39

Minnesota
 University of Minnesota-Department of Agronomy and Plant Genetics
 Zumbro Falls, Wabasha County Farm
 Sown August 23, 2006

Entry (by total yield)	2007 Harvests (tons DM/acre)		1-Yr Total	Relative Yield 1-Yr % of Checks
	22-May	Total		
<u>Released Varieties</u>				
GH727	1.44	1.44	1.44	113
DKA41-18RR	1.43	1.43	1.43	112
L447HD	1.43	1.43	1.43	112
GENOA	1.39	1.39	1.39	109
PHABULOUS III	1.38	1.38	1.38	108
53Q30	1.37	1.37	1.37	107
6443 RR	1.37	1.37	1.37	107
6415	1.34	1.34	1.34	105
54V46	1.30	1.30	1.30	102
AMERISTAND 407TQ	1.29	1.29	1.29	101
WL 343 HQ	1.25	1.25	1.25	98
4A421	1.24	1.24	1.24	97
4G418RR	1.17	1.17	1.17	92
<u>Checks</u>				
5312	1.30	1.30	1.30	102
ONEIDA VR	1.29	1.29	1.29	101
VERNAL	1.23	1.23	1.23	97
...3 Checks	1.27	1.27	1.27	100
Mean	1.32	1.32	1.32	104
Range	0.27	0.27	0.27	21
LSD 5%	0.20	0.20	0.20	15
CV %	10.6	10.6	10.6	10.6
MCV (LSD/Mean)	0.15	0.15	0.15	0.15
LSR (LSD/Range)	0.73	0.73	0.73	0.73

Minnesota
University of Minnesota-Department of Agronomy and Plant Genetics
Lamberton, Redwood County, SWROC
Sown May 27, 2005

Entry (by total yield)	2007 Harvest (tons DM/acre)		2006 Total	2-yr Total	Relative Yield 2-Yr % of Checks
	30-May	Total			
<u>Released Varieties</u>					
6420	2.14	2.14	7.63	9.77	106
6415	2.09	2.09	7.62	9.71	106
54V46	2.11	2.11	7.57	9.67	105
GENOA	2.13	2.13	7.48	9.60	104
4S419	2.14	2.14	7.42	9.56	104
REBOUND 5.0	2.22	2.22	7.29	9.51	103
8630	1.95	1.95	7.24	9.19	100
WL 357HQ	1.90	1.90	7.08	8.98	98
INTEGRITY	1.98	1.98	7.00	8.98	98
53Q30	1.99	1.99	6.96	8.95	97
6400 HT	1.95	1.95	6.87	8.82	96
<u>Checks</u>					
5312	1.99	1.99	7.49	9.48	103
ONEIDA VR	1.90	1.90	7.29	9.19	100
VERNAL	1.90	1.90	7.00	8.89	97
...3 Checks	1.93	1.93	7.26	9.19	100
Mean	2.03	2.03	7.28	9.31	101
Range	0.32	0.32	0.76	0.95	10
LSD 5%	0.18	0.49	0.49	0.59	6
CV %	6.1	4.7	4.7	4.4	4.4
MCV (LSD/Mean)	0.09	0.24	0.07	0.06	0.06
LSR (LSD/Range)	0.56	1.53	0.64	0.62	0.62

Minnesota
 University of Minnesota-Department of Agronomy and Plant Genetics
 St. Martin, Stearns County Farm
 Sown May 24, 2005

Entry (by total yield)	2007 Harvests (tons DM/acre)		2006 Total	2-Yr Total	Relative Yield 2-Yr % of Checks
	29-May	Total			
Released Varieties					
4S419	3.22	3.22	6.67	9.89	113
LABRADOR	3.03	3.03	6.77	9.80	112
54V46	3.00	3.00	6.75	9.75	111
6415	3.00	3.00	6.74	9.75	111
6420	3.05	3.05	6.61	9.66	110
DKA33-16	3.09	3.09	6.50	9.59	110
GENOA	2.89	2.89	6.68	9.57	109
LEGENDAIRY 5.0	2.99	2.99	6.49	9.48	108
WL 357HQ	3.00	3.00	6.43	9.43	108
SOMERSET	2.93	2.93	6.44	9.37	107
53Q30	2.96	2.96	6.37	9.33	107
8630	2.86	2.86	6.39	9.25	106
4R429	2.77	2.77	6.47	9.23	106
6200HT	2.74	2.74	6.14	8.88	101
6400 HT	2.70	2.70	6.11	8.81	101
Checks					
5312	2.94	2.94	6.30	9.23	106
Oneida VR	2.64	2.64	5.76	8.40	96
Vernal	2.85	2.85	5.77	8.62	98
...3 Checks	2.81	2.81	5.94	8.75	100
Mean	2.92	2.92	6.41	9.33	107
Range	0.58	0.58	1.01	1.49	17
LSD 5%	0.17	0.17	0.49	0.57	7
CV %	4.0	4.0	5.4	4.3	4.3
MCV (LSD/Mean)	0.06	0.06	0.08	0.06	0.06
LSR (LSD/Range)	0.29	0.29	0.49	0.38	0.38

Minnesota
University of Minnesota-Department of Agronomy and Plant Genetics
Underwood, Otter Tail County Farm
Sown May 17, 2006

Entry (by total yield)	2007 Harvest (tons DM/acre)		Relative Yield 1-Yr % of Checks
	1-Jun	1- Yr Total	
<u>Released Varieties</u>			
6400 HT	2.56	2.56	106
GENOA	2.54	2.54	105
54V46	2.53	2.53	105
AMERISTAND 407TQ	2.45	2.45	101
WL 343 HQ	2.43	2.43	100
6200 HT	2.39	2.39	99
6443 RR	2.33	2.33	96
53Q30	2.31	2.31	96
PHABULOUS III	2.29	2.29	95
6415	2.26	2.26	94
<u>Checks</u>			
5312	2.53	2.53	105
ONEIDA VR	2.31	2.31	95
VERNAL	2.42	2.42	100
...3 Checks	2.42	2.42	100
Mean	2.41	2.41	100
Range	0.30	0.30	12
LSD 5%	0.25	0.25	10
CV %	7.2	7.2	7.2
MCV (LSD/Mean)	0.10	0.10	0.10
LSR (LSD/Range)	0.82	0.82	0.82

Minnesota
 University of Minnesota-Department of Agronomy and Plant Genetics
 Underwood, Otter Tail County Farm
 Sown May 6, 2004

Entry (by total yield)	2007 Harvests (tons DM/acre)		2006 Total	2005 Total	3-yr Total	Relative Yield
	1-Jun	Total				3-Yr % of Checks
Released Varieties						
REBOUND 5.0	2.44	2.44	9.18	7.31	18.92	115
6415	2.37	2.37	9.13	7.15	18.64	113
LIGHTNING III	2.50	2.50	8.63	7.03	18.16	110
EXTREME	2.30	2.30	8.47	7.25	18.02	109
BOBWHITE	2.18	2.18	8.74	6.88	17.80	108
FSG 408DP	2.32	2.32	8.18	7.13	17.63	107
FSG 351	2.28	2.28	8.18	7.10	17.56	107
54V46	2.44	2.44	8.39	6.72	17.55	107
WL 319 HQ	2.23	2.23	8.49	6.71	17.43	106
6400HT	2.23	2.23	8.15	7.03	17.40	106
54Q25	2.16	2.16	8.12	7.01	17.28	105
LEGENDAIRY 5.0	2.31	2.31	8.53	6.32	17.15	104
HYBRIFORCE-420/WET	2.12	2.12	8.11	6.70	16.93	103
Wyo. BRR - Resistant	2.10	2.10	7.59	6.53	16.22	98
6200HT	2.20	2.20	7.27	6.67	16.14	98
A 30-06	2.16	2.16	7.24	6.68	16.08	98
Checks						
5312	2.37	2.37	7.98	6.88	17.22	105
ONEIDA VR	1.96	1.96	7.67	6.42	16.05	97
VERNAL	2.21	2.21	7.45	6.49	16.15	98
...3 Checks	2.18	2.18	7.70	6.60	16.47	100
Mean	2.26	2.26	8.18	6.81	17.28	105
Range	0.54	0.54	1.94	1.03	2.87	17
LSD 5%	0.20	0.20	1.03	0.75	1.37	8
CV %	6.4	6.4	9.0	7.8	5.6	5.6
MCV (LSD/Mean)	0.09	0.09	0.13	0.11	0.08	0.08
LSR (LSD/Range)	0.38	0.38	0.53	0.73	0.48	0.48