

Minnesota
 University of Minnesota-Department of Agronomy and Plant Genetics
 Grand Rapids, Itasca County, NCROC
 Sown 2005

Entry (by total yield)	2008 Harvests (tons DM/acre)				2007 Total	2006 Total	3-Yr Total	Relative Yield
	24-Jun	4-Aug	8-Oct	Total				3-Yr % of Checks
Released Varieties								
4A421	2.88	2.73	0.95	6.55	4.19	7.29	18.03	107
6200HT	2.87	2.77	1.05	6.69	4.49	6.42	17.60	104
HYBRIFORCE 420-wet	2.83	2.47	1.20	6.49	3.93	6.90	17.32	102
6400 HT	2.63	2.57	0.98	6.18	4.05	6.52	16.75	99
AMERISTAND 403T	2.75	2.51	0.97	6.23	4.19	6.29	16.70	99
54V46	2.83	2.52	0.94	6.29	3.53	6.61	16.42	97
53Q30	2.77	2.53	0.94	6.25	3.73	6.30	16.27	96
LEGENDAIRY 5.0	2.75	2.61	0.92	6.28	3.62	6.01	15.91	94
Checks								
5312	2.83	2.83	1.02	6.68	4.62	7.07	18.37	109
ONEIDA VR	2.62	2.58	0.87	6.07	3.72	6.12	15.91	94
VERNAL	2.54	2.65	0.98	6.17	4.21	6.10	16.48	97
...3 Checks	2.67	2.68	0.96	6.30	4.19	6.43	16.92	100
Mean	2.75	2.61	0.98	6.35	4.03	6.51	16.88	100
Range	0.34	0.36	0.33	0.62	1.10	1.28	2.46	15
LSD 5%	0.32	0.33	0.15	0.49	0.91	0.78	1.38	8
CV %	8.0	8.2	10.5	5.3	15.5	8.3	5.6	5.6
MCV (LSD/Mean)	0.12	0.13	0.15	0.08	0.22	0.12	0.08	0.08
LSR (LSD/Range)	0.95	0.92	0.46	0.78	0.83	0.61	0.56	0.56

Minnesota
University of Minnesota-Department of Agronomy and Plant Genetics
Rosemount, Dakota County, UMore Park
Sown May 6, 2008

Entry (by total yield)	2008 Harvest (tons DM/acre)		Seeding Yr Total	Relative Yield
	10-Jul	22-Aug		Seeding-Yr % of Checks
<u>Released Varieties</u>				
6431	1.28	1.43	2.71	106
LEGEND EXTRA	1.21	1.42	2.63	103
VELOCITY	1.16	1.39	2.55	100
55V48	1.09	1.43	2.53	99
AMERISTAND 407TQ	1.15	1.38	2.53	99
6415	1.15	1.30	2.45	96
DKA 43-13	1.15	1.29	2.44	96
LIGHTNING IV	1.12	1.22	2.35	92
6417	1.17	1.17	2.33	92
<u>Experimentals</u>				
exp. 1	1.34	1.47	2.81	110
exp. 2	1.21	1.54	2.75	108
exp. 3	1.22	1.52	2.75	108
exp. 4	1.26	1.47	2.73	107
exp. 5	1.31	1.38	2.69	106
exp. 6	1.27	1.39	2.65	104
exp. 7	1.24	1.36	2.60	102
exp. 8	1.09	1.11	2.20	86
<u>Checks for FQ</u>				
CIMARRON	1.18	1.35	2.53	99
WL 322 HQ	1.08	1.29	2.37	93
<u>Checks</u>				
5312	1.14	1.48	2.62	103
ONEIDA VR	1.03	1.39	2.42	95
VERNAL	1.22	1.39	2.61	102
3 Check Mean	1.13	1.42	2.55	100
Mean (all entries)	1.18	1.37	2.55	100
Range	0.30	0.43	0.60	24
LSD 5%	0.24	0.30	0.44	17
CV %	14.6	15.6	12.3	12.3
MCV (LSD/Mean)	0.21	0.22	0.17	0.17
LSR (LSD/Range)	0.81	0.71	0.74	0.74

Minnesota
University of Minnesota-Department of Agronomy and Plant Genetics
Rosemount, Dakota County, UMore Park
Sown April 26, 2007

Entry (by total yield)	%Stand	2008 Harvest (tons DM/acre)				2008	1-Yr % of
	8-May-08	28-May	30-Jun	30-Jul	5-Sep	Total	Checks
<u>Released Varieties</u>							
FOREMOST II	94	1.69	1.77	1.14	1.29	5.88	112
PHABULOUS III	99	1.80	1.67	1.13	1.27	5.86	111
55V48	99	1.69	1.79	1.09	1.23	5.80	110
Ameristand 407TQ	99	1.76	1.78	1.03	1.17	5.74	109
FSG 406	99	1.73	1.66	1.09	1.23	5.71	108
SPRINGGOLD	99	1.68	1.74	1.07	1.21	5.70	108
6426	99	1.70	1.65	1.06	1.19	5.61	106
6417	99	1.64	1.67	1.05	1.20	5.57	106
<u>Experimentals</u>							
exp. 1	99	1.91	1.89	1.25	1.41	6.45	123
exp. 2	99	1.92	1.87	1.17	1.31	6.26	119
exp. 3	99	1.82	1.75	1.19	1.33	6.09	116
exp. 4	99	1.88	1.73	1.14	1.28	6.03	114
exp. 5	99	1.82	1.76	1.14	1.29	6.01	114
exp. 6	99	1.82	1.79	1.11	1.25	5.96	113
exp. 7	99	1.71	1.81	1.12	1.27	5.90	112
exp. 8	99	1.79	1.78	1.07	1.20	5.83	111
exp. 9	99	1.72	1.74	1.09	1.21	5.76	109
exp. 10	97	1.71	1.78	1.03	1.17	5.68	108
exp. 11	99	1.69	1.76	1.05	1.18	5.68	108
exp. 12	99	1.62	1.69	1.14	1.20	5.65	107
exp. 13	97	1.60	1.65	1.07	1.21	5.53	105
<u>Checks for FQ</u>							
CIMARRON	99	1.56	1.48	1.19	1.27	5.50	104
WL 322 HQ	99	1.56	1.60	1.12	1.18	5.46	104
<u>Checks</u>							
5312	99	1.71	1.66	1.02	1.15	5.55	105
ONEIDA VR	99	1.48	1.50	0.93	1.06	4.97	94
VERNAL	99	1.61	1.56	1.01	1.10	5.27	100
...3 Checks	99	1.60	1.57	0.98	1.10	5.26	100
Mean	99	1.72	1.71	1.09	1.22	5.75	109
Range	5	0.44	0.41	0.32	0.35	1.48	28
LSD 5%	3	0.13	0.15	0.13	0.16	0.47	9
CV %	2.3	5.5	6.2	8.7	9.1	5.8	5.8
MCV (LSD/Mean)	0.03	0.08	0.09	0.12	0.13	0.08	0.08
LSR (LSD/Range)	0.66	0.31	0.37	0.42	0.45	0.32	0.32

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

Entry (by total yield)	%Stand		2008 Harvest (tons DM/acre)				2007	2-Yr	Relative Yield
	May-08	28-May	30-Jun	1-Aug	11-Sep	Total	Total	Total	2-Yr % of Checks
<u>Released Varieties</u>									
MAGNUM VI	83	2.31	1.65	1.49	1.07	6.52	6.56	13.07	111
GENOA	75	2.49	1.69	1.47	1.02	6.67	6.34	13.01	111
PERFORM	81	2.43	1.59	1.47	1.09	6.57	6.14	12.71	108
53Q30	80	2.33	1.62	1.46	1.05	6.47	6.20	12.67	108
WL 343 HQ	82	2.59	1.76	1.53	1.06	6.94	5.71	12.65	108
MARINER III	79	2.37	1.56	1.32	0.96	6.20	6.43	12.62	107
DKA34-17RR	89	2.41	1.61	1.44	0.96	6.41	5.96	12.37	105
6443 RR	78	2.21	1.67	1.46	1.06	6.40	5.95	12.35	105
54V46	89	2.41	1.64	1.35	0.96	6.36	5.93	12.28	105
DKA41-18RR	79	2.06	1.51	1.37	0.97	5.90	5.93	11.83	101
6415	88	2.30	1.56	1.31	0.91	6.09	5.67	11.76	100
<u>Experimentals</u>									
exp. 1	76	2.38	1.80	1.72	1.30	7.19	6.78	13.97	119
exp. 2	85	2.57	1.82	1.73	1.29	7.41	6.44	13.84	118
exp. 3	88	2.40	1.65	1.57	1.26	6.87	6.95	13.83	118
exp. 4	78	2.58	1.69	1.60	1.22	7.10	6.61	13.70	117
exp. 5	91	2.64	1.82	1.50	1.06	7.02	6.66	13.69	117
exp. 6	86	2.44	1.66	1.52	1.17	6.79	6.84	13.63	116
exp. 7	80	2.52	1.76	1.58	1.11	6.97	6.58	13.55	115
exp. 8	89	2.44	1.71	1.54	1.04	6.72	6.70	13.42	114
exp. 9	86	2.43	1.87	1.72	1.15	7.16	6.25	13.42	114
exp. 10	89	2.44	1.66	1.49	1.04	6.62	6.74	13.37	114
exp. 11	78	2.17	1.64	1.48	1.12	6.41	6.72	13.13	112
exp. 12	80	2.47	1.59	1.40	0.96	6.41	6.26	12.67	108
exp. 13	83	2.34	1.56	1.32	0.91	6.13	6.15	12.29	105
exp. 14	81	2.35	1.51	1.32	0.92	6.10	5.98	12.08	103
<u>Checks</u>									
5312	84	2.33	1.61	1.44	1.07	6.44	6.21	12.65	108
ONEIDA VR	75	2.12	1.41	1.20	0.93	5.66	5.49	11.14	95
VERNAL	71	2.11	1.41	1.22	0.95	5.69	5.75	11.44	97
...3 Checks	77	2.19	1.48	1.29	0.98	5.93	5.82	11.75	100
Mean	82	2.38	1.64	1.47	1.06	6.54	6.28	12.83	109
Range	20	0.58	0.46	0.53	0.39	1.75	1.47	2.83	24
LSD 5%	10	0.36	0.21	0.29	0.31	0.96	0.64	1.39	12
CV %	9.0	10.7	9.1	14.0	21.1	10.9	7.2	7.7	7.7
MCV (LSD/Mean)	0.13	0.15	0.13	0.20	0.30	0.15	0.10	0.11	0.11
LSR (LSD/Range)	0.52	0.62	0.46	0.55	0.81	0.55	0.44	0.49	0.49

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

Entry (by total yield)	%Stand	2008 Harvests (tons DM/acre)					2007	2-Yr	Relative
	8-May-08	27-May	27-Jun	29-Jul	29-Aug	Total	Total	Total	Yield 1-Yr % of Checks
Released Varieties									
L447HD	75	1.43	1.08	1.22	0.93	4.65	5.54	10.19	115
54V46	84	1.70	1.16	1.21	0.80	4.87	5.27	10.14	114
6415	76	1.52	1.11	1.25	0.81	4.68	5.36	10.04	113
GENOA	84	1.56	1.12	1.21	0.80	4.69	5.35	10.04	113
GH727	79	1.53	1.07	1.12	0.84	4.57	5.34	9.90	111
6443 RR	74	1.44	1.05	1.32	0.89	4.69	5.17	9.85	111
DKA41-18RR	76	1.43	1.09	1.19	0.88	4.58	5.25	9.83	111
MAGNUM VI	76	1.45	1.01	1.26	0.82	4.52	5.30	9.83	110
PHABULOUS III	84	1.44	0.96	1.29	0.85	4.54	5.21	9.75	110
AMERISTAND 407TQ	80	1.46	1.02	1.18	0.82	4.47	5.25	9.72	109
PERFORM	70	1.42	1.02	1.13	0.73	4.29	5.22	9.51	107
53Q30	75	1.35	1.02	1.12	0.75	4.24	5.20	9.44	106
WL 343 HQ	79	1.54	0.96	1.11	0.78	4.38	4.99	9.37	105
4A421	75	1.42	1.03	1.02	0.74	4.20	5.09	9.29	104
4G418RR	71	1.40	1.04	1.11	0.73	4.27	5.01	9.28	104
Experimentals									
exp. 1	80	1.54	1.13	1.32	0.99	4.97	5.24	10.21	115
exp. 2	78	1.55	1.12	1.25	0.86	4.78	5.23	10.01	113
exp. 3	73	1.60	1.13	1.18	0.87	4.78	5.23	10.00	112
exp. 4	73	1.46	1.05	1.25	0.77	4.53	5.38	9.91	111
exp. 5	73	1.49	1.05	1.13	0.80	4.47	5.30	9.77	110
exp. 6	75	1.46	1.10	1.08	0.74	4.38	5.14	9.53	107
exp. 7	73	1.49	1.06	1.06	0.76	4.37	5.10	9.46	106
exp. 8	69	1.39	1.00	1.16	0.73	4.28	5.00	9.28	104
exp. 9	70	1.33	1.01	1.00	0.66	4.00	5.11	9.10	102
Checks									
5312	69	1.39	0.97	1.17	0.77	4.30	5.21	9.51	107
ONEIDA VR	68	1.22	0.87	0.92	0.58	3.59	4.80	8.40	94
VERNAL	55	1.29	0.94	1.06	0.67	3.95	4.84	8.78	99
...3 Checks	64	1.30	0.92	1.05	0.67	3.95	4.95	8.90	100
Mean	74	1.45	1.04	1.16	0.79	4.44	5.19	9.63	108
Range	29	0.48	0.30	0.39	0.41	1.38	0.73	1.82	20
LSD 5%	11	0.17	0.12	0.26	0.20	0.58	0.40	0.84	9
CV %	11.0	8.2	8.5	16.1	18.0	9.2	5.5	6.2	6.2
MCV (LSD/Mean)	0.15	0.12	0.12	0.23	0.25	0.13	0.08	0.09	0.09
LSR (LSD/Range)	0.40	0.35	0.42	0.67	0.49	0.42	0.55	0.46	0.46

Minnesota
 University of Minnesota-Department of Agronomy and Plant Genetics
 Lamberton, Redwood County, SWROC
 Sown May 1, 2007

Entry (by total yield)	%Stand	2008 Harvests (tons/acre)				1	Relative
	5/8/2008	4-Jun	10-Jul	18-Aug	Total	Year Total	Yield 1-Yr % Checks
<u>Released Varieties</u>							
6417	94	1.50	2.63	1.59	5.72	5.72	108
55V48	95	1.49	2.32	1.43	5.23	5.23	99
6415	90	1.45	2.31	1.35	5.10	5.10	96
SPRINGGOLD	94	1.37	2.37	1.37	5.10	5.10	96
6426	93	1.38	2.35	1.32	5.05	5.05	95
<u>Experimental Varieties</u>							
exp. 1	94	1.69	2.66	1.41	5.75	5.75	108
exp. 2	95	1.30	2.66	1.62	5.57	5.57	105
exp. 3	94	1.53	2.57	1.44	5.55	5.55	105
exp. 4	87	1.29	2.52	1.69	5.50	5.50	104
exp. 5	95	1.48	2.44	1.40	5.32	5.32	100
exp. 6	93	1.46	2.37	1.44	5.26	5.26	99
exp. 7	94	1.41	2.29	1.41	5.12	5.12	96
<u>Checks</u>							
5312	96	1.65	2.52	1.44	5.61	5.61	106
ONEIDA VR	86	1.11	2.12	1.30	4.53	4.53	85
VERNAL	92	1.47	2.70	1.60	5.77	5.77	109
...3 Checks	91	1.41	2.45	1.45	5.30	5.30	100
Mean	93	1.44	2.45	1.45	5.34	5.34	101
Range	9	0.58	0.58	0.39	1.24	1.24	23
LSD 5%	5	0.23	0.31	0.34	0.71	0.71	13
CV %	3	11.4	8.8	16.2	9.4	9.4	9.4
MCV (LSD/Mean)	0.05	0.16	0.13	0.23	0.13	0.13	0.13
LSR (LSD/Range)	0.49	0.41	0.53	0.86	0.58	0.58	0.58

Minnesota
 University of Minnesota-Department of Agronomy and Plant Genetics
 Richmond, Stearns County Farm
 Sown May 3, 2007

Entry (by total yield)	%Stand	2008 Harvests (tons/acre)					Total	One	Relative
	5/7/2008	2-Jun	2-Jul	4-Aug	8-Sep	Year		Yield	
							Total	1-Yr %	
								Checks	
Released Varieties									
SPRINGGOLD	99	2.42	1.86	2.02	1.62	7.92	7.92	116	
6417	97	2.25	1.85	2.13	1.61	7.84	7.84	114	
L333HD	98	2.32	1.81	2.01	1.61	7.74	7.74	113	
SUMMERGOLD	99	2.27	1.79	1.95	1.59	7.59	7.59	111	
WL343HQ	99	2.25	1.89	1.96	1.48	7.58	7.58	111	
AMERISTAND 407TQ	98	2.29	1.92	1.93	1.37	7.51	7.51	110	
55V48	97	2.30	1.85	1.89	1.41	7.44	7.44	109	
6400HT	99	2.33	1.74	1.94	1.43	7.43	7.43	109	
PHABULOUS III	99	2.10	1.86	1.94	1.37	7.27	7.27	106	
Experimental Varieties									
exp. 1	98	2.48	1.97	2.16	1.67	8.28	8.28	121	
exp. 2	98	2.27	1.92	2.15	1.62	7.95	7.95	116	
exp. 3	95	2.44	1.84	2.03	1.51	7.82	7.82	114	
exp. 4	95	2.48	1.90	1.91	1.46	7.74	7.74	113	
exp. 5	99	2.28	1.85	2.02	1.57	7.72	7.72	113	
exp. 6	93	2.30	1.90	1.95	1.40	7.54	7.54	110	
exp. 7	97	2.21	1.82	1.98	1.52	7.52	7.52	110	
Checks									
5312	99	2.38	1.74	1.75	1.31	7.18	7.18	105	
ONEIDA VR	97	2.22	1.54	1.50	1.27	6.53	6.53	95	
VERNAL	92	2.20	1.49	1.73	1.42	6.84	6.84	100	
...3 Checks	96	2.27	1.59	1.66	1.33	6.85	6.85	100	
Mean	97	2.30	1.82	1.94	1.48	7.55	7.55	110	
Range	7	0.38	0.48	0.66	0.40	1.75	1.75	26	
LSD 5%	6	0.29	0.14	0.24	0.24	0.68	0.68	10	
CV %	4	8.8	5.4	8.6	11.6	6.4	6.4	6.4	
MCV (LSD/Mean)	0.06	0.13	0.08	0.12	0.16	0.09	0.09	0.09	
LSR (LSD/Range)	0.79	0.76	0.29	0.36	0.61	0.39	0.39	0.39	

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

Entry (by total yield)	% Stand	2008 Harvests (tons DM/acre)				2007 Total	2006 Total	3-Yr Total	Relative Yield
	7-May-08	2-Jun	2-Jul	4-Aug	Total				3-Yr % of Checks
Released Varieties									
LEGENDAIRY 5.0	85	2.46	2.06	1.76	6.27	6.74	6.49	19.49	116
SOMERSET	88	2.38	2.05	1.64	6.07	6.74	6.44	19.26	114
DKA33-16	86	2.35	2.04	1.66	6.05	6.70	6.50	19.25	114
4S419	85	2.38	2.03	1.60	6.01	6.74	6.67	19.42	115
6415	83	2.29	2.06	1.55	5.89	6.85	6.74	19.49	116
GENOA	86	2.32	2.03	1.65	6.00	6.62	6.68	19.29	115
LABRADOR	85	2.20	1.96	1.59	5.76	6.70	6.77	19.22	114
WL 357HQ	85	2.16	2.05	1.62	5.82	6.53	6.43	18.79	112
54V46	86	2.17	1.89	1.59	5.65	6.43	6.75	18.83	112
53Q30	78	1.94	1.88	1.64	5.45	6.58	6.37	18.40	109
6420	88	2.20	1.83	1.50	5.53	6.43	6.61	18.57	110
8630	86	2.20	1.77	1.42	5.38	6.36	6.39	18.13	108
4R429	81	2.12	1.92	1.57	5.60	6.06	6.47	18.13	108
6200HT	79	2.16	1.73	1.29	5.18	5.91	6.14	17.22	102
6400 HT	86	2.01	1.70	1.41	5.12	5.77	6.11	16.99	101
Experimentals									
exp. 1	88	2.34	2.09	1.66	6.09	6.99	6.91	19.99	119
exp. 2	90	2.22	2.11	1.74	6.07	7.01	6.85	19.93	118
exp. 3	90	2.33	2.13	1.64	6.09	6.80	6.79	19.68	117
exp. 4	86	2.24	1.98	1.62	5.83	6.45	6.55	18.83	112
exp. 5	84	1.96	1.67	1.44	5.07	6.27	6.63	17.96	107
exp. 6	83	1.90	1.69	1.43	5.02	5.79	6.11	16.91	101
Checks									
5312	88	1.98	1.70	1.52	5.20	6.35	6.30	17.84	106
Oneida VR	84	1.75	1.60	1.44	4.79	5.57	5.76	16.13	96
Vernal	83	2.17	1.67	1.25	5.09	5.64	5.77	16.49	98
...3 Checks	85	1.97	1.65	1.40	5.02	5.86	5.94	16.82	100
Mean	85	2.18	1.90	1.55	5.62	6.42	6.47	18.51	110
Range	13	0.71	0.53	0.51	1.48	1.44	1.15	3.87	23
LSD 5%	6.6	0.18	0.13	0.24	0.32	0.50	0.49	0.97	6
CV %	5.5	6.0	4.7	11.0	4.1	5.5	5.4	3.7	3.7
MCV (LSD/Mean)	0.08	0.08	0.07	0.15	0.06	0.08	0.08	0.05	0.05
LSR (LSD/Range)	0.53	0.26	0.24	0.47	0.22	0.34	0.43	0.25	0.25

Minnesota
University of Minnesota-Department of Agronomy and Plant Genetics
Underwood, Otter Tail County Farm
Sown May 21, 2008

Entry (by total yield)	2008 Harvests (tons DM/acre)		Relative
	13-Aug		Yield
			1-Yr % of
			Checks
<u>Released Varieties</u>			
LIGHTNING IV	1.20		108
420 PLUS	1.16		105
PGI 459	1.15		104
WL363HQ	1.13		102
6431	1.13		102
VELOCITY	1.09		98
6417	1.07		97
55V48	1.01		91
DKA43-13	1.00		91
WL343HQ	0.94		85
<u>Experimentals</u>			
exp. 1	1.34		121
exp. 2	1.29		116
exp. 3	0.94		85
<u>Checks</u>			
5312	1.14		103
ONEIDA VR	1.14		103
VERNAL	1.05		94
...3 Checks	1.11		100
Mean	1.11		100
Range	0.40		36
LSD 5%	0.23		21
CV %	14.8		14.8
MCV (LSD/Mean)	0.21		0.21
LSR (LSD/Range)	0.58		0.58

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

Entry (by total yield)	% Stand		2008 Harvests (tons DM/acre)				2007 Total	2- Yr Total	Relative Yield 2-Yr % of Checks
	10-May-08	10-Jun	8-Jul	13-Aug	8-Oct	Total			
Released Varieties									
AMERISTAND 407TQ	85	1.96	1.49	0.96	0.88	5.28	5.71	11.00	112
MAGNUM VI	78	1.80	1.34	0.96	0.92	5.02	5.62	10.63	109
PERFORM	88	1.78	1.38	0.96	0.98	5.10	5.50	10.59	108
54V46	89	1.91	1.33	0.89	0.87	4.99	5.44	10.43	107
GENOA	81	1.82	1.34	0.80	0.77	4.73	5.47	10.20	104
WL 343 HQ	90	1.82	1.37	0.84	0.73	4.75	5.22	9.97	102
6400 HT	81	1.77	1.22	0.76	0.76	4.51	5.32	9.83	100
6415	86	1.72	1.29	0.85	0.82	4.67	5.15	9.82	100
6443 RR	81	1.73	1.31	0.85	0.73	4.61	5.13	9.74	100
6200 HT	79	1.59	1.14	0.79	0.80	4.32	5.20	9.52	97
PHABULOUS III	90	1.67	1.27	0.80	0.77	4.50	5.01	9.51	97
53Q30	75	1.55	1.05	0.75	0.72	4.07	4.95	9.02	92
Experimentals									
exp. 1	90	1.90	1.33	0.86	0.925	5.01	5.70	10.71	109
exp. 2	71	1.80	1.27	0.89	0.9425	4.91	5.68	10.59	108
exp. 3	90	1.77	1.31	0.93	0.8675	4.87	5.52	10.39	106
exp. 4	86	1.77	1.30	0.89	0.955	4.91	5.46	10.37	106
exp. 5	84	1.78	1.29	0.86	0.885	4.82	5.43	10.25	105
exp. 6	84	1.76	1.27	0.82	0.9025	4.75	5.46	10.21	104
exp. 7	88	1.83	1.35	0.89	0.865	4.93	5.19	10.12	103
exp. 8	83	1.81	1.23	0.82	0.82	4.68	5.41	10.09	103
exp. 9	83	1.72	1.25	0.78	0.8925	4.64	5.12	9.77	100
exp. 10	79	1.65	1.17	0.83	0.845	4.49	5.13	9.62	98
Checks									
5312	88	1.77	1.23	0.88	0.85	4.73	5.53	10.25	105
ONEIDA VR	83	1.62	1.10	0.79	0.91	4.42	5.03	9.44	96
VERNAL	76	1.71	1.15	0.82	0.84	4.51	5.16	9.67	99
...3 Checks	82	1.70	1.16	0.83	0.87	4.55	5.24	9.79	100
Mean	83	1.76	1.27	0.85	0.85	4.72	5.34	10.06	103
Range	19	0.41	0.43	0.21	0.27	1.21	0.76	1.97	20
LSD 5%	12	0.22	0.18	0.18	0.17	0.64	0.55	1.11	11
CV %	9.9	9.0	10.0	15.0	14.3	9.7	7.3	7.8	7.8
MCV (LSD/Mean)	0.1	0.13	0.14	0.21	0.20	0.14	0.10	0.11	0.11
LSR (LSD/Range)	0.6	0.55	0.41	0.86	0.64	0.53	0.72	0.56	0.56

Minnesota
 University of Minnesota-Department of Agronomy and Plant Genetics
 Grand Rapids, Itasca County, NCROC
 Sown 2007

Entry (by total yield)	2008 Harvests (tons DM/acre)				1-Yr Total	Relative Yield 1-Yr % of Checks
	17-Jun	4-Aug	8-Oct	Total		
Released Varieties						
6417	1.60	2.44	0.61	4.65	4.65	98
55V48	1.50	2.44	0.61	4.55	4.55	96
AMERISTAND 407TQ	1.50	2.49	0.55	4.54	4.54	96
Checks						
5312	1.66	2.54	0.59	4.79	4.79	101
ONEIDA VR	1.51	2.53	0.64	4.68	4.68	99
VERNAL	1.57	2.65	0.55	4.76	4.76	100
...3 Checks	1.58	2.57	0.59	4.74	4.74	100
Mean	1.56	2.51	0.59	4.66	4.66	98
Range	0.16	0.21	0.10	0.26	0.26	5
LSD 5%	0.13	0.37/ns	0.07	0.31/ns	0.31	7
CV %	5.6	9.8	7.8	4.4	4.4	4.4
MCV (LSD/Mean)	0.08	0.15	0.12	0.08	0.07	0.07
LSR (LSD/Range)	0.82	1.80	0.71	1.15	1.22	1.22