

PROJECT TITLE: Museum Spring Wheat Variety Comparison Nursery

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OBJECTIVES:
Demonstrate variety development effect on spring wheat yield levels.

RESULTS:
In general more recently released varieties had higher yields. No variety use decision should be made on this data (see Table 78 page 95) as it is un-replicated and a single year performance.

SUMMARY:

FUTURE:

Table 78. 2001 Spring Wheat Museum Nursery
Central Agricultural Research Center, Moccasin, Montana.

Entry	ID	Origin	Year	Market Class	Stand %	Head Date	Plant Ht	Test Wt	Grain Yield	Grain Protein	Protien Yield
						(days)	(in)	(lbs/bu)	(bu/a)	(%)	lbs/a
PURPLESTRAW	1		1822	SRW (FAC.)	97	191	30	56.7	19.6	13.5	158
BIG CLUB	2	CHILE	1870	SWS	97	189	29	62.0	24.5	12.7	186
HUSTON	3	BULGARIA	1876	SRW (FAC.)	98	185	33	58.9	24.5	13.9	204
DEFIANCE	4	VT	1878	SWS	98	183	34	56.6	25.5	13.7	210
PACIFIC BLUESTEM	5	AUSTRALIA	1882	SWS	98	184	36	58.1	25.6		
PRESTON	6	CANADA	1893	HRS	97	183	34	59.7	25.5	12.8	196
MARQUIS	7	CANADA	1911	HRS	98	181	32	56.6	24.3	13.4	196
RED CHAFF	8	WA	1900	SWS	98	185	26	56.1	30.1	12.7	229
RED BOBS	9	CANADA	1918	HRS	98	178	35	61.1	27.9	12.8	214
BLUE CHAFF	10	OR	1894	SWS	98	191	27	58.1	22.4	14.8	199
SUPREME	11	CANADA	1922	HRS	98	178	34	59.0	25.0	13.8	207
CERES	12	ND	1926	HRS	98	181	34	59.6	24.0	16.0	231
REWARD	13	CANADA	1928	HRS	97	177	34	62.0	22.8	15.0	205
KOMAR	14	ND	1930	HRS	98	180	35	57.5	25.9	13.0	202
THATCHER	15	MN	1934	HRS	97	178	33	59.0	26.4	13.7	217
CANUS	16	CANADA	1934	HRS	98	181	33	62.8	30.4	13.7	250
PILOT	17	ND	1939	HRS	98	180	32	59.4	23.8	15.1	216
PREMIER	18	ND	1938	HRS	97	177	37	58.6	22.0	15.4	204
RELIANCE	19	MT	1926	HRS	98	181	34	58.9	29.5	16.2	286
RIVAL	20	ND	1939	HRS	97	176	34	58.9	24.5	15.3	225
REGENT	21	CANADA	1939	HRS	98	175	36	59.3	25.0	15.5	232
COMET	22	MT	1940	HRS	97	179	33	58.7	33.9	15.6	318
MIDA	23	ND	1944	HRS	97	178	34	55.8	27.9	13.9	233
NEWTATCH	24	MN	1944	HRS	98	177	33	58.7	27.0	15.5	251
REDMAN	25	CANADA	1945	HRS	97	177	35	50.2	28.6	15.8	271
CADET	26	ND	1946	HRS	98	180	34	59.7	30.1	14.7	265
RESCUE	27	CANADA	1946	HRS	98	181	33	61.8	24.8	15.2	227
SAUNDERS	28	CANADA	1948	HRS	98	176	31	56.2	22.9	16.8	231
RUSHMORE	29	SD	1949	HRS	97	176	34	59.3	25.4	16.3	248
LEE	30	MN	1951	HRS	97	174	34	57.7	25.5	16.7	256
CHINOOK	31	CANADA	1952	HRS	98	175	34	61.5	27.8	15.9	265
SELKIRK	32	CANADA	1953	HRS	99	177	34	58.6	22.3	15.5	207
CENTANA	33	MT	1958	HRS	99	181	36	58.2	29.2	17.0	297
CANTHATCH	34	CANADA	1959	HRS	99	177	32	55.9	26.7	16.8	269
SAWTANA	35	CANADA	1961	HRS	98	178	33	56.5	25.4	15.9	242
ERA	36	MN	1970	HRS	98	179	26	53.9	29.6	15.0	267
SHORTANA	37	MT	1971	HRS	99	180	25	59.3	33.0	15.0	297
NORANA	38	MT	1973	HRS	97	179	25	59.1	35.2	15.1	319
FORTUNA	39	ND	1967	HRS	98	176	32	58.7	32.9	14.7	290
LEW	40	MT/ND	1977	HRS	97	178	33	62.0	36.1	14.3	310
NEWANA	41	MT	1977	HRS	98	179	25	61.7	43.3	13.3	346
HI-LINE	42	MT	1991	HRS	98	178	26	61.1	43.6	13.9	364
RAMBO	43	WPB	1986	HRS	98	178	25	60.5	49.8	13.9	416
WESTBRED 926	44	WPB	1987	HRS	98	176	25	58.8	42.1	15.0	379
AMIDON	45	ND	1988	HRS	97	177	31	59.6	33.5	15.7	315
MCNEAL	46	MT	1995	HRS	98	178	27	59.0	38.3	15.9	365
MTHW9420	47	MT	1998	HRS	98	177	25	57.2	30.7	15.7	289
SCHOLAR	48	MT	1998	HRS	97	178	30	60.4	31.5	16.9	319
REEDER	49	ND	1999	HRS	97	177	26	58.5	32.2	16.5	318
Average					97.7	179.4	31.5	58.7	28.9	14.9	259

Crop seeded on 4/19/01 and harvested on 8/20/01. Previous crop was fallow and 50 lbs of 20-20-0 was placed with the seed. Growing season precipitation was 7.29 inches and for the crop year was 10.6 inches. Bronate applied at 1 1/2 pts/a on 5/11.