

Table 4. HARD RED WINTER : District 2-- Bozeman - Dryland (High Rainfall)

Cultivar/Line	Grain Yield (bushels/acre)				2002 Data				
					Test weight	Heading Date		Plant height	Protein %
	2002	2001-2002	2000-2002	1999-2002		Julian	Calendar		
		2 yr	3 yr	4 yr	lb/bu				
Above (IMI)++	105.8**				58.4	166.3	15-Jun	37.5	13.9
R Bighorn (P)+	87.7	92.4	98.7	96.3	57.0	174.3	23-Jun	38.4	14.8
BigSky ++	72.5	83.5	92.0	93.1	56.4	175.0	24-Jun	45.7	15.9
BZ9W96-895 (P)	83.4	93.6	99.4		54.6	174.3	23-Jun	40.3	14.8
BZ9W97-761 (P,HWW)	81.3	90.4	95.2		55.7	175.3	24-Jun	45.2	14.8
R CDC Falcon (P)+	86.7	89.6	98.3		53.9	175.3	24-Jun	35.6	15.6
DW ++ ^{1/}	101.5*	101.4*	106.1*	109.0*	58.7	175.7	25-Jun	40.5	14.1
Elkhorn +	69.9	83.2	86.7	86.1	56.6	176.7	26-Jun	48.8	15.8
R Erhardt	81.9	86.3	91.8	96.5	58.0	175.0	24-Jun	41.7	15.2
Expedition (SD97457) ++	96.1				57.8	167.3	26-Jun	40.9	14.4
Gary (HWW) ++ ^{1/}	97.1	101.4*	108.7*		56.2	176.4	25-Jun	42.8	14.0
Golden Spike (HWW)+ ^{1/}	88.0	97.2	104.4		55.1	176.0	25-Jun	44.1	14.8
Jerry	87.7				56.3	175.7	25-Jun	47.1	14.9
R Judith	84.6	92.9	99.1	102.4	53.8	174.0	23-Jun	42.4	15.3
R McGuire	82.6	85.0	92.0	93.5	58.4	171.0	20-Jun	44.1	15.7
R Morgan (P)+	87.1	92.9	101.6	102.5	56.1	176.3	25-Jun	42.3	14.6
MT00117	90.2				53.9	175.0	24-Jun	42.7	14.8
MT00118	96.0				59.0	174.0	23-Jun	42.8	14.7
MT00154	96.6				60.6	173.7	23-Jun	45.4	14.3
MT00159	97.4				56.6	175.7	24-Jun	41.1	14.9
MT0088	87.9				55.0	174.7	24-Jun	39.3	13.0
MT0097	90.1				56.9	175.3	24-Jun	41.0	14.8
MT0099	90.4				54.6	172.0	21-Jun	41.1	15.8
MT9904	78.6	90.9			54.1	174.0	23-Jun	46.0	15.5
MT9951	86.5	99.0			56.0	175.0	24-Jun	47.4	15.1
MT9982	90.5	98.8			55.9	176.0	25-Jun	42.2	15.3
MT9989	82.5	95.4			53.9	174.0	23-Jun	43.3	15.5
MTR9997	90.7	105.9**			57.9	173.7	23-Jun	40.0	15.2
MTS0023	81.2				55.8	176.7	26-Jun	44.7	16.6
MTS0031	79.4				56.7	173.7	23-Jun	43.5	16.3
MTW0049	82.2				57.7	175.0	24-Jun	40.0	16.4
R Neeley	88.0	95.7	103.0	105.9	57.5	176.3	25-Jun	46.5	15.8
Norstar	70.9	81.4	82.9	80.8	58.3	180.3	29-Jun	53.3	15.0
NuFrontier (P,HWW) ++	85.6	92.2	101.4		56.6	170.0	19-Jun	41.0	14.6
NuHorizon (P,HWW) ++	87.2	89.6	101.9		57.6	168.0	17-Jun	38.6	14.5
Nuplains (HWW) +	93.3	92.2	100.8	102.7	58.7	171.7	21-Jun	41.4	15.0
NuSky (HWW) ++	81.7	89.8	96.8	99.3	56.1	175.0	24-Jun	43.7	15.5
NuWest (HWW) +	82.6	84.9	94.4	98.2	56.5	175.0	24-Jun	44.0	14.8
Paul (MT9426) ++	86.8	97.4	104.3	105.9	54.5	176.0	25-Jun	39.9	15.4
R Promontory ^{1/}	99.2*	99.7	108.2*	114.0**	58.5	174.0	23-Jun	39.7	14.8
Prowers 99 +	88.1	91.6	100.9		58.9	169.7	19-Jun	46.7	15.3
Pryor (BZ9W96-919)(P)++	83.4	97.7	104.8		54.7	175.7	25-Jun	40.4	15.3
R Quantum 542 (P)	98.4*	103.2*	110.3**	113.5*	57.8	172.3	21-Jun	45.8	14.6
Rampart ^{2/}	-	-	-	-	-	-	-	-	-
Ransom +	79.9	87.1	92.1	95.6	54.0	175.0	24-Jun	46.2	15.4
Rocky	86.4	88.7	97.2	100.3	57.6	173.3	22-Jun	46.2	14.9
R Tiber	81.0	93.5	96.4	97.3	58.7	175.0	24-Jun	48.3	15.4
Vanguard	81.3	83.9	95.1	97.5	57.1	174.3	23-Jun	45.3	16.4
Wahoo +	90.0				54.9	169.0	18-Jun	40.7	15.0
Average	87.0	92.7	98.8	99.5	56.6	174.0	23-Jun	43.1	15.1
LSD (0.05)	7.6	5.9	4.7	4.3	1.1	1.1		2.6	
C.V.	5.1	5.6	5.1	5.3	1.1	0.4		3.6	

** = indicates highest yielding variety within a column

* = indicates varieties yielding equal to highest yielding variety within a column based on Fisher's protected LSD (p=0.05)

R = Recommended Variety; (P) = Private Variety; + = Protected Variety; ++ = PVP Pending

^{1/} = Dwarf Smut Resistant; (HWW) = Hard White Winter Wheat

^{2/} = Rampart not planted in 2002: Yield in 2001 = 89.6, 2000 = 112.6, 1999 = 103.0 bu/a.