

Table 11. HARD RED WINTER : Yield (bu/a) in Winter-kill Environments, 1999-2002

Cultivar/Line	Sidney		Williston			Moccasin	6 Loc./	% Winter
	2002	2000	2002	2000	1999	1999	Year Avg.	Survival
Above (IMI)++	32.3		9.4					
Bighorn (P)+	39.7	66.0	26.8	55.8	51.7	62.9	49.7	52.1
BigSky ++	42.7	59.7	35.4	59.5	66.2*	54.3	53.8	68.1*
BZ9W96-895 (P)	39.0	67.5*	21.4	63.5				
BZ9W97-761 (P,HWW)	38.2	61.2	22.6	54.7				
CDC Falcon (P)+	53.0**	68.8*	40.8*	64.6				
DW ++^{1/}	39.2	65.8	27.2	58.7	62.9	59.6	52.1	58.3
Elkhorn +	40.9	63.7	38.8*	57.5	62.7	47.1	51.7	72.3*
Erhardt	42.1	57.5	35.5	53.6	58.1	51.9	49.9	71.4*
Expedition (SD97457) ++	43.0		30.5					
Gary (HWW) ++^{1/}	34.8	67.5*	30.1	59.3				
Golden Spike (HWW)+^{1/}	38.7	61.8	17.2	58.3				
Jerry	51.8*		45.1**					
Judith	42.2	64.2	32.3	57.2	62.2	68.8*	54.4	59.7
McGuire	31.7	53.0	25.1	46.0	57.7	52.0	44.3	60.4
Morgan (P)+	47.8*	68.4*	40.0*	62.6	63.3	58.7	56.9	75.7**
MT00117	32.9		26.8					
MT00118	34.5		24.4					
MT00154	32.9		31.8					
MT00159	47.4*		42.8*					
MT0088	45.0		37.9*					
MT0097	43.3		42.4*					
MT0099	37.3		27.4					
MT9904	39.1		36.5					
MT9951	41.0		37.2					
MT9982	47.6*		36.3					
MT9989	40.0		41.4*					
MTR9997	36.5		23.3					
MTS0023	9.1		7.7					
MTS0031	32.2		22.5					
MTW0049	40.8		32.1					
Neeley	45.1	69.5*	36.0	71.3**	67.5*	63.7*	58.9*	62.4
Norstar	43.8	70.1*	41.3*	62.3	65.5	50.8	55.0	71.5*
NuFrontier (P,HWW) ++	35.3	61.3	23.2	62.9				
NuHorizon (P,HWW) ++	21.3	69.7*	10.6	51.5				
Nuplains (HWW) +	36.8	62.6	23.6	54.5	52.5	49.0	46.4	58.2
NuSky (HWW) ++	46.9	63.4	36.8	60.9	64.0	62.9	55.9	70.0*
NuWest (HWW) +	43.8	62	34.2	59.6	68.7*	53.1	54.1	69.6*
Paul (MT9426) ++	45.2	72.1*	38.5*	66.7*	77.4**	70.1**	62.1**	67.2*
Promontory ^{1/}	42.2	65.9	30.4	58.2	51.1	60.8	51.7	48.8
Prowers 99 +	30.9	53.8	19.1	55.2				
Pryor (BZ9W96-919)(P)++	45.0	75.4**	32.1	68.3*				
Quantum 542 (P)	41.2	67.7*	24.0	58.8	64.3	61.1	52.5	56.6
Rampart ^{2/}	-	60.8	-	50.4	28.4	53.5	-	-
Ransom +	49.1*	64.7	42.7*	59.7	66.4*	53.2	56.1	72.7*
Rocky	39.9	69.1*	29.7	59.6	54.8	54.7	51.1	58.1
Tiber	39.6	67.1*	28.4	59.0	67.7*	53.5	52.0	62.5
Vanguard	24.0	59.7	20.8	53.9	57.5	46.9	43.6	46.1
Wahoo +	45.6		34.3					
Average	39.5	64.7	30.4	56.9	56.5	56.6	52.6	63.1
LSD (0.05)	6.2	8.8	7.4	5.3	11.6	7.1	4.8	11.0
C.V.	9.2	8.3	15.0	5.7	11.9	7.6	7.9	15.2

** = 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)

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

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

^{2/} = Rampart not planted in 2002