

Table 11. 2020 Intrastate Winter Wheat Test (Exp. 35): Multi-Location Yield (bu/a)

	Cultivar/Line	Bozeman RCB	Havre LAT	Sidney LAT	Williston RCB	Kalispell RCB	Moccasin RCB	Huntley LAT	Conrad	Ft. Benton RCB	x Loc Avg.
	lattice efficiency		150%	196%				191%			
#+	Mpress (SWW)	97.9	57.1	63.5	50.8	170.7		90.3		78.0	86.9
	Keldin	100.1	58.1	63.3	52.3	167.6		92.3		62.2	85.1
	Northern	100.0	49.4	65.2	57.8	164.0		84.1		73.2	84.8
#	Byrd CL Plus	93.3	57.7	59.6	51.9	158.7		98.4		71.2	84.4
	MT1642	93.7	53.6	68.8	56.1	166.2		83.5		64.4	83.8
#	LCS Jet	95.6	52.5	58.0	52.6	171.1		84.2		70.9	83.6
	SY Clearstone 2CL	92.1	52.4	66.8	53.5	162.1		88.5		62.7	82.6
+	MT1855	99.6	53.1	59.7	51.7	153.6		84.0		72.3	82.0
	Yellowstone	92.9	53.5	71.1	48.7	161.6		84.2		60.3	81.8
	MTCL1737	92.7	51.8	63.5	52.3	156.7		85.9		68.8	81.7
	MT1683	92.1	53.6	65.9	53.1	158.5		87.8		59.9	81.6
	Loma	96.5	53.0	60.5	50.2	162.8		83.8		61.9	81.2
#+	WB4792	89.6	54.0	61.8	54.1	173.5		72.6		60.3	80.8
	MT1745	92.9	50.1	58.0	50.7	166.8		82.7		63.7	80.7
#	AAC Wildfire	93.8	52.0	59.5	55.2	156.9		77.0		69.4	80.5
+	MTS18116	96.5	56.3	61.6	50.1	156.0		71.0		71.9	80.5
+	MT1867	94.0	53.2	52.9	43.3	168.1		86.8		64.5	80.4
+	MTS1831	93.5	52.2	60.2	49.0	166.1		76.9		63.3	80.2
+	MT1848	94.5	53.1	56.8	49.9	159.8		80.2		65.9	80.0
	FourOsix	104.0	53.1	61.1	53.5	143.7		84.0		60.0	79.9
+	MT1872	94.8	52.9	57.8	42.7	154.8		91.9		64.6	79.9
	MTCL1732	85.3	54.9	55.2	50.7	158.7		78.4		74.0	79.6
+	MTS18149	93.1	56.6	60.1	50.8	146.6		77.1		71.4	79.4
#+	LCS-18-7071	93.3	54.3	54.7	56.2	150.4		81.3		63.8	79.1
+	MT1845	93.1	53.3	67.0	52.0	145.2		82.4		57.8	78.7
#	Incline AX	94.0	52.0	56.0	49.0	150.5		84.2		62.6	78.3
+	MTS1810	87.3	57.4	54.2	52.9	148.6		83.0		64.7	78.3
	StandClear CLP	89.5	53.5	54.6	49.9	149.3		84.7		62.5	77.7
+	MT1866	91.1	49.9	47.6	46.3	155.1		89.1		63.2	77.5
#r	Langin	89.2	49.9	51.6	46.3	161.9		86.0		56.4	77.3
#	Long Branch	86.4	51.6	53.8	43.9	155.0		83.8		62.6	76.7
	Bobcat	90.5	59.5	58.6	50.7	139.5		77.5		59.8	76.6
	Flathead	80.6	50.4	60.2	46.7	159.6		81.3		57.5	76.6
	MT1787	89.9	52.0	61.3	48.1	140.8		85.4		55.1	76.1
#+	LCS15ACC-8-21 (LCS He	80.4	51.8	57.1	49.3	159.3		78.5		55.4	76.0
	Judee	92.2	50.8	50.4	47.8	146.3		78.9		61.8	75.5
#	SY Wolverine	79.8	49.0	50.9	45.4	156.9		82.9		54.2	74.2
	MT1746	89.4	49.3	52.9	41.2	146.6		82.7		56.6	74.1
#	WB4311	80.6	50.0	51.6	44.0	148.9		83.1		57.7	73.7
#	SY Monument	84.2	49.8	52.3	46.5	145.2		79.0		57.7	73.5
#	WB4418	73.7	46.3	56.5	47.7	145.8		75.5		68.9	73.5
	MT1793	87.5	46.2	60.7	46.5	138.0		73.0		60.2	73.2
#	SY Legend CL2	74.8	48.5	55.1	46.5	141.9		74.7		59.9	71.6
7	Warhorse	73.8	51.4	53.0	43.7	138.5		76.7		63.7	71.5
#	WB4269	73.5	49.0	53.4	49.6	144.7		73.8		55.8	71.4
	Brawl CL Plus	73.8	47.1	55.8	46.1	135.6		80.4		52.6	70.2
#+	LCS Photon AX	75.7	49.9	51.3	46.5	123.7		68.7		51.5	66.8
#+	CP7909	74.4	29.8	50.5	44.3	122.5		77.6		46.5	63.7
#	SY 517 CL2	61.5	44.7	45.1	46.3	122.0		75.2		48.0	63.3
	Average	88.5	51.7	57.7	49.3	152.4		81.7		62.3	77.7
	LSD (0.05)	8.2	5.8	6.5	4.7	15.0		7.3		9.5	5.9
	C. V. (%)	5.7	6.4	6.4	5.9	6.2		5.1		9.4	7.2
	P-value (Varieties)	<.0001	<.0001	<.0001	<.0001	<.0001				<.0001	<.0001

+ = new for 2020, # = paid entry

d = cultivars/lines dropped for 2021 test

bold = indicates highest value within a column

bold = indicates varieties with values equal to highest variety within a column based on Fisher's Protected LSD (p =0.05)