

**Montana State University Lime x Cultivar Trial** established in acidic soils in a no-till system near Geraldine, MT (NT) and a conventional-till system near Highwood, MT (CT) in 2018 and 2019. Spring wheat yield (lbs per acre) and test weight (lbs per bushel) are reported for nine cultivars, averaged across limed and unlimed conditions. Aglime was applied at 5 tons per acre in the fall of 2017.

CULTIVAR	2018		2019		2018		2019	
	NT	CT	NT	CT	NT	CT	NT	CT
	-----lbs per acre-----				-----lbs per bushel-----			
Alum	<b>2669</b>	2027	<b>2708</b>	<b>1981</b>	<b>60.2</b>	53.9	<b>59.4</b>	<b>59.2</b>
Brennan	2438	2417	2089	1545	<b>59.4</b>	<b>56.7</b>	<b>59.5</b>	<b>60.4</b>
Duclair	<b>2593</b>	2357	<b>2345</b>	<b>1752</b>	57.6	54.5	57.3	57.8
Lanning	<b>3115</b>	2149	<b>2805</b>	1507	57.6	51.4	58.2	<b>59.2</b>
MT 1621	<b>3105</b>	2291	<b>2636</b>	<b>1721</b>	<b>58.8</b>	<b>56.3</b>	58.1	<b>59.2</b>
MT 1673	<b>2720</b>	2464	<b>2460</b>	<b>1735</b>	57.2	54.8	56.1	56.8
SY Soren	<b>2554</b>	2293	<b>2486</b>	1512	<b>58.4</b>	<b>56.1</b>	<b>59.0</b>	<b>60.0</b>
Vida	<b>2859</b>	2196	<b>2512</b>	<b>2038</b>	58.2	54.5	58.0	57.8
WB Gunnison	2473	2196	<b>2300</b>	<b>1976</b>	<b>60.0</b>	<b>57.1</b>	<b>59.6</b>	<b>59.2</b>
Mean	2725	2266	2482	1752	58.6	55.0	58.4	58.8
CV%	13.1	20.2	12.7	12.7	2.0	2.4	1.3	1.3
HSD	581	NS	511	361	1.9	2.2	1.2	1.2
P-Value (Rep)	0.4089	0.6385	0.0251	0.1910	0.5721	0.8721	0.3245	0.0072
P-Value (Lime)	0.3158	0.4103	0.0027	0.5178	0.8383	0.2131	0.2746	0.0225
P-Value (Cultivar)	0.0011	0.6681	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001
P-Value (Lime:Cultivar)	0.2131	0.8319	0.0077	0.2141	0.3978	0.2899	0.1490	0.1182

**Bold** = top-performing cultivar

**Bold** = statistically equivalent to top-performer

Tukey's HSD not significant when P-Value (Cultivar) > 0.05

NT = No-till system near Geraldine, MT

CT = Conventional-till system near Highwood, MT