

**Project Title:**

Evaluation of spring wheat under dryland recrop conditions

**Personnel:**

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**Summary:**

Due to the dry soil condition at planting in 2020, the spring wheat had lower emergence than a normal year. Although the stand densities were improved from additional tillers in the late growing season, the recrop spring wheat grain yields might have been affected by the lower stands in some of the varieties. Therefore, the variety performance in 2020 needs to be compared with results from other years and locations.

Table 1. Recrop spring wheat at Eastern Agricultural Research Center, Sidney, MT 2020

Variety	Stand %	PlantHeight in	HeadingDate Julian*	TestWeight <sup>†</sup> lb/bu	Protein %	GrainYield <sup>†</sup> bu/a
Brennan	85.0	23.1	170	65.0	16.4	46.2
Choteau	85.0	21.9	175	64.3	16.4	44.4
CP3099A	76.7	26.4	179	62.1	13.6	45.6
CP3530	85.0	26.5	176	63.6	16.2	46.3
CP3903	88.3	24.7	173	65.9	16.1	46.9
CP3910	86.7	23.5	170	66.0	15.5	51.9
CP3915	83.3	23.3	175	65.4	17.0	43.1
Dagmar	86.7	26.0	171	65.0	16.3	50.5
Duclair	86.7	23.2	170	63.1	15.7	45.5
Egan	90.0	23.1	175	61.8	17.3	43.8
Lanning	83.3	22.5	169	64.0	16.6	46.6
Longmire	85.0	24.3	174	65.0	16.5	43.5
MT 1716	88.3	24.1	170	65.2	15.1	50.6
MT 1855	83.3	27.4	175	64.5	16.1	48.8
MT 1866	86.7	25.6	174	64.3	15.1	54.1
NS Presser CLP	86.7	23.4	175	62.6	17.1	42.7
Reeder	88.3	24.3	174	64.6	16.2	45.0
SY Ingmar	81.7	21.9	173	65.4	16.0	48.4
SY Soren	88.3	21.8	172	64.7	16.8	40.3
Vida	85.0	24.8	175	64.2	15.3	50.8
XY McCloud	90.0	23.7	172	65.3	16.2	47.8
XY Rockford	88.3	24.0	176	63.5	16.2	48.0
<b>Mean</b>	85.8	24.1	173.4	64.3	16.1	46.9
<b>Pr&gt;F</b>	0.75	<0.0001	<0.0001	<0.0001	<0.0001	0.10
<b>CV%</b>	7.0	4.9	0.8		3.0	9.9
<b>LSD (0.05)</b>	9.9	1.9	2.2		0.8	7.7

<sup>†</sup> Grain yield and test weight were adjusted to 12.0% moisture

\*Julian is a continuous count of days since January 1

#### Field Management

Previous crop:	Pea	Soil type:	Williams clay Loam
Seeding date:	4/22/2020	Soil residual nitrate:	21 lb NO <sub>3</sub> -N/a
Season precipitation:	8.16 in	Soil test P <sub>2</sub> O <sub>5</sub> :	21.3 ppm
Harvest date:	8/13/2020	Nutrient fertilizer applied ( N, P <sub>2</sub> O <sub>5</sub> , K <sub>2</sub> O; lb/A):	63-19-0