

Evaluation of spring wheat under dryland recrop conditions

25 barley, 17 spring wheat, and 24 durum wheat varieties were planted at EARC dryland farm under re-cropped conditions with three replicates in April 2019. The previous crop is dry pea. We received good amount of rain in June and recrop wheat, barley, and durum all yielded very well. The results are attached in the following tables.

Recrop Spring Wheat Evaluation - MSU			EARC, Sidney, MT 2019		
Variety	Plant Height (inch)	Days to Heading (Julian*)	Test Weight† (lb/bu)	Protein (%)	Grain Yield‡ (bu/ac)
Brennan	28.5	171	64.5	16.8	60.3
Choteau	29.5	175	63.2	14.6	60.5
Corbin	29.1	172	63.8	15.3	64.7
CP3888	30.6	174	63.3	14.6	79.1
CP3939	31.1	172	64.5	15.6	74.7
CPX36619	25.6	171	64.3	16.2	62.2
Duclair	32.7	172	63.1	14.8	66.6
Egan	30.7	176	62.3	17.1	71.9
Lanning	28.3	172	64.1	16.2	72.2
MT 1617	31.4	175	63.4	14.3	77.2
MT 1621	30.3	172	64.1	15.4	69.9
MT 1716	29.5	174	64.3	14.9	71.6
MT 1749	30.7	175	63.6	16.2	66.1
NS Presser CLP	31.0	175	63.3	14.6	79.2
Reeder	31.0	175	64.5	15.1	64.3
SY Soren	29.4	173	65.0	15.8	68.4
Vida	33.5	175	63.9	14.0	79.7
Mean	30.2	173	63.8	15.4	69.9
P-Value	0.0003	<0.0001	<0.0001	0.001	0.02
CV (%)	4.99	0.53	0.53	5.34	10.9
LSD (0.05)	2.50	1.53	0.56	1.37	12.4

Planted: 4/19/19

Harvested: 8/22/19

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

† Test weight and grain yield adjusted to 12.0% moisture

Soil Test N Avail (lb/ac): 22

N added (lb/ac): 60

Previous crop: Pea

Soil Type: William Clay Loam

Plot Width: 5 ft.

Precipitation (2019): 21.5"

Soil Test P<sub>2</sub>O<sub>5</sub> (ppm): 29

P<sub>2</sub>O<sub>5</sub> added (lb/ac): 20