

Evaluation of barley under dryland recrop conditions – EARC

Recrop Barley Evaluation - MSU					EARC, Sidney, MT 2019		
Variety	Plant Height (inch)	Days to Heading (Julian*)	Plump >6/64 (%)	Regular 5/64 (%)	Test Weight† (lb/bu)	Protein (%)	Grain Yield† (bu/ac)
Balster	26.2	176	97.2	2.5	51.2	12.0	100
Champion	30.4	174	93.3	5.9	52.6	11.5	105
Conrad	24.3	177	97.1	2.7	51.4	13.1	101
Copeland	31.9	178	96.5	3.1	51.8	12.1	108
Craft	28.3	175	96.5	3.2	52.4	13.5	74
Expedition	24.1	176	97.7	2.1	52.2	11.6	105
Fraser	25.3	176	98.1	1.8	49.8	12.1	90
Genie	24.7	175	92.0	6.7	52.2	11.9	120
Growler	27.2	177	96.8	3.0	50.8	11.9	105
Haxby	29.5	174	95.3	4.2	53.8	12.7	112
Haybet	31.5	174	68.4	27.7	47.6	14.6	59
Hays	29.5	175	79.6	15.9	48.0	13.1	82
Hockett	25.5	174	96.6	3.0	53.1	12.0	108
Lavina	30.4	174	79.1	18.5	46.9	13.7	89
Merit 57	27.6	177	91.7	7.0	50.8	12.0	104
Metcalfe	29.7	175	95.5	4.0	51.9	13.6	103
MT124112	25.5	175	97.0	2.8	50.4	11.4	74
MT124113	27.3	169	97.9	1.9	51.1	11.8	82
MT124128	24.8	169	97.8	1.9	51.3	11.8	82
MT124134	25.5	171	98.0	1.7	51.5	11.9	78
MT124664	26.2	174	98.0	1.8	51.5	12.6	81
Odyssey	25.2	178	96.6	3.0	50.0	11.3	104
Opera	23.4	180	95.6	3.8	48.7	10.9	98
Synergy	30.2	177	96.7	3.1	51.2	13.0	92
Voyager	27.3	174	98.0	1.8	50.5	12.9	82
Mean	27.3	175	93.9	5.33	50.9	12.4	93.6
P-Value	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.02
CV (%)	7.09	0.81	2.6	34.1	1.48	5.94	19.0
LSD (0.05)	3.17	2.31	3.97	2.98	1.24	1.21	29.5

Planted: 4/19/19

Harvested: 8/14/19

(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