Title: Barley Off Station – 2015

Objective: To evaluate the agronomic performance of barley varieties grown in environments representative of northwestern Montana.

Results:

Yields averaged 127.1 bu/A and ranged from 87.2 bu/A for Haybet to 151.1 bu/A for Champion. Heading dates averaged 172 Julian days (June 21) and ranged from 168 to 177 Julian days. Protein averaged 13.4 % with a range from 11.8% for MT100120 to 15.3% for Haybet. Percent plump averaged 93.9% and ranged from 70.6% for Haybet to 98.2% for Merit. Lodging was not experienced in the entire nursery.

Summary:

The 2015 growing season afforded an average barley yield of 127.1 bu/A which is comparable to the average yield in 2014 of 128.3 bu/A.

Table 1. Materials and Methods - Barley Off Station - 2015

Seeding Date:	4/23/2015	Harvest Date:	8/6/2015
Julian Date:	113	Julian Date:	218
Seeding Rate:	80 lb/A	Soil Test:	144-12-222
Previous Crop:	Canola	Soil Type:	Creston Sil
Tillage:	Conventional	Fertilizer:	250-40-90
Irrigation:	None	Herbicide:	Huskie plus 11 floz/A & Axial 16.4 floz/A

Table 2. Barley Off Station, Kalispell, MT- 2015

Culitivar	HD Julian	HT in	YLD[1] bu/A	PRO[2] %	TWT[1] lb/bu	PLMP %
Champion	171	33.0	151.1	13.4	51.8	97.2
MT100120	174	35.3	150.9	11.8	53.7	97.9
Craft	169	34.7	143.2	13.5	51.8	96.5
MT100126	173	34.3	141.8	11.9	53.0	97.2
MT124027	174	34.0	134.7	12.4	50.0	94.9
Merit	174	33.7	131.7	13.6	50.9	98.2
MT124728	171	33.0	131.2	13.4	50.8	96.3
Haxby	170	32.0	127.9	13.1	51.8	93.4
Conrad	176	31.3	127.0	13.9	50.7	96.0
Hockett	169	32.0	126.8	13.3	50.3	95.4
Harrington	173	33.7	122.3	13.8	48.4	91.7
AC Metcalfe	173	33.7	119.9	13.8	48.7	91.4
Stockford	172	33.0	112.7	13.8	48.4	97.4
Moravian 115	177	29.0	112.6	12.8	47.0	95.4
Lavina	168	32.0	112.3	14.1	45.5	82.3
Haybet	171	34.7	87.2	15.3	45.3	70.6
Mean	172	33.1	127.1	13.4	49.9	93.3
CV	0.8	4.4	6.3	2.6	1.4	2.0
LSD	2.3	2.5	13.3	0.6	1.2	3.1
Pr>F	0.0001	0.002	0.0001	0.0001	0.0001	0.0001

HD: heading, HT: height, YLD: yield, PRO: protein, TWT: test weight, PLMP: percent plump

[1] adjusted to 13% moisture

[2] reported on a dry matter bases