

WINTER MALTING BARLEY TRIAL – 2018 RESULTS

The Winter Malting Barley Trial (WMBT), through the University of Minnesota, was planted in Hickory Corners and Kawkawlin, MI in the fall of 2017. The plots included 27 varieties with three replications in a lattice design.

Hickory Corners, MI

Variety	Yield (bu/ac)	Test Weight (lbs/bu)	% Plump	Height (Inches)	Lodging # of plots
05ARS561-208	80.6	44.4	87.8	33.3	1
06ARS617-25	88.4	46.0	92.1	34	0
07ARS515-7	52.6	45.8	79.0	38.3	2
07ARS518-13	84.2	47.0	94.5	39.7	1
2WI15-8674	49.2	40.9	90.6	36	2
2WI15-8688	89.0	46.2	95.5	36	0
2WI15-8775	82.4	45.2	87.3	39.3	2
AC09/327/3 ^a	106.3	48.3	98.5	36	0
AC11/341/28	105.0	47.3	96.1	36.3	2
AC11/367/2	107.0	45.0	96.3	35.3	0
CHARLES	67.9	43.2	96.6	33	1
DH120304	103.5	48.6	99.0	36.3	0
DH130910	97.2	49.6	99.1	37	0
DH130939	87.4	48.7	98.3	35.3	1
DH140088	89.8	48.2	98.4	37.3	2
ENDEAVOR	88.1	47.0	91.6	38.3	1
Flavia	95.7	47.0	99.0	32.3	1
Hirondella*	89.6	46.6	99.1	36	0
LGGB13-W102*	102.3	45.7	97.9	34.3	0
MCGREGOR*	82.0	45.7	82.5	35	0
MW12_4007-001*	61.5	46.2	89.4	42.3	1
MW12_4028-007*	58.4	46.6	81.5	28.3	0
MW13_4122-012*	71.8	45.5	84.0	41	1
MW13_4159-012*	83.6	45.4	79.3	41	1
SU_Mateo	90.4	47.9	98.2	40.3	0
THOROUGHbred*	81.5	47.5	89.9	35.3	0
WINTMALT	76.7	47.1	98.3	31.3	0
Grand Mean	84.2	46.4	92.6	36.2	
CV	12.1	1.5	3.7	5.3	
LSD @ 5%	16.7	1.1	5.7	3.2	

*Six-row varieties, all others two-row

^a Also Known As "Lyberac"

HICKORY CORNERS TRIAL DETAILS

Planting date: 9/26/17 @ 120 lbs/A

Fertility: 9/26/17 – 20 lbs N/acre, 65 lbs K/acre

4/5/18 – 12 S/acre, 102.5 lbs N/acre (50 lbs AMS + 200 lbs urea/acre)

Fungicide: 5/29/18 – 8 oz/acre Prostar®

Harvest: 7/2/18

Growing season conditions: September was warm and very dry, but a switch to wet and cool conditions occurred mid-October, and cool conditions persisted through April delaying crop development. Temperatures turned warm in May with adequate rainfall until mid-June when conditions turned dry.

Research site details:

W.K. Kellogg Biological Station (KBS): Project managed by Brook Wilke, Dean Baas, Josh Dykstra and Christian Kapp

Previous crop: Soybeans

Soil type: Kalamazoo Sandy Loam



WINTER MALTING BARLEY TRIAL – 2018 RESULTS

The Winter Malting Barley Trial (WMBT), through the University of Minnesota, was planted in Hickory Corners and Kawkawlin, MI in the fall of 2017. The plots included 27 varieties with three replications in a lattice design.

Kawkawlin, MI

Variety	Yield (bu/ac)	Test Weight (lbs/bu)	% Plump	Height (Inches)	Lodging # of plots
05ARS561-208	54.3	41.7	74.0	22.3	0
06ARS617-25	55.8	42.9	63.3	25	0
07ARS515-7	55.8	44.6	68.3	25	0
07ARS518-13	56.8	47.0	82.4	26	0
2WI15-8674	73.5	43.0	86.6	22.7	0
2WI15-8688	43.5	41.3	78.4	24.7	0
2WI15-8775	55.2	43.6	58.2	26	0
AC09/327/3 ^a	65.8	43.2	89.7	23.3	0
AC11/341/28	50.3	44.7	72.6	22.7	0
AC11/367/2	77.6	47.6	93.5	24	0
CHARLES	58.2	44.4	88.9	20.3	0
DH120304	79.1	47.1	96.1	25.3	0
DH130910	67.2	47.5	87.2	27	0
DH130939	65.0	47.6	89.5	26	0
DH140088	79.0	48.1	90.0	27.7	0
ENDEAVOR	54.4	44.2	61.6	28	0
Flavia	67.4	46.3	92.1	22.7	0
Hirondella*	48.1	43.2	86.9	25.7	0
LGGB13-W102*	62.7	43.3	86.0	24	0
MCGREGOR*	64.1	45.4	55.5	26.7	0
MW12_4007-001*	61.7	48.2	87.9	30	0
MW12_4028-007*	47.4	47.1	74.7	21	0
MW13_4122-012*	58.0	47.8	82.9	27	0
MW13_4159-012*	77.2	47.3	83.8	30	0
SU_Mateo	52.3	41.1	84.4	26.3	0
THOROUGHbred*	43.7	48.6	77.5	21	0
WINTMALT	50.1	43.0	91.5	24.7	0
Grand Mean	60.2	45.2	80.9	25	
CV	20.3	4.1	10.4	7.6	
LSD @ 5%	20.0	3.1	13.8	3.1	

*Six-row varieties, all others two-row

^a Also Known As "Lyberac"

KAWKAWLIN TRIAL DETAILS

Planting date: 10/3/17 @ 120 lbs/A

Fertility: Fall of 2017- 150 lbs./ac of 10-10-30 was broadcast and then incorporated.

Spring of 2018- 35 gals/ac of 28% N plus 9 lbs./ac S.

Fungicide: 8.2 oz./acre of Prosaro® at heading.

Harvest: 7/6/18

Growing season conditions: Similar to Hickory Corners, cooler than average temperatures persisted from planting through April. Subsequently, this site experienced drought conditions during grain fill. Crop height was short and lodging was not present at harvest.

Research site details:

Cooperating Farmers: Don Shelagowski and Chris Schmidt.

Previous crop: Dry beans

Soil type: Wixom Sandy Loam

