

WINTER MALTING BARLEY TRIAL – 2020 RESULTS

Variety	Yield (bu/ac)	Test Weight (lbs/bu)	Heading Date	Maturity Date	Fall Vigor# (0-10)
08ARS509-1	113.0	45.0	5/25	6/26	8.3
08ARS632-5	118.2	44.2	5/27	6/27	9.3
13ARS537-13	102.7	45.8	5/24	6/25	8.7
13ARS537-19	77.4	46.2	5/24	6/25	10.0
AC13/028/53*	117.7	43.4	5/23	6/26	10.0
Charles	85.0	38.9	5/24	6/25	9.3
Delicatesse	114.9	45.2	5/26	6/25	9.3
DH130910	101.9	46.5	5/25	6/27	9.3
DH140088	108.4	45.6	5/25	6/29	8.7
DH140963	120.4	43.8	5/27	6/26	9.3
DH141132	114.4	43.1	5/28	6/27	9.0
Endeavor	85.0	43.9	5/27	6/27	10.0
Flavia	112.6	47.2	5/26	6/26	9.0
Hirondella*	104.3	44.2	5/27	6/28	9.7
KWS Donau*	103.2	43.5	5/27	6/27	9.0
KWS Faro*	131.6	46.0	5/23	6/28	9.0
KWS Flemming*	98.6	40.4	5/27	6/28	9.0
KWS Orbit*	86.8	40.4	5/26	6/29	10.0
KWS Scala	99.7	41.3	5/27	6/26	9.7
KWS Somerset*	128.8	46.1	5/27	6/28	10.0
LCS Calypso	104.2	43.2	5/25	6/25	10.0
LCS Casanova	132.5	48.7	5/26	6/25	10.0
LCS Nenea	104.0	44.1	5/24	6/25	9.7
LCS Puffin	112.7	48.6	5/25	6/25	9.7
LCS Violetta	71.7	37.2	5/27	6/27	5.3
Lyberac	121.8	46.2	5/25	6/27	9.3
MW12_4007-001*	81.3	39.7	5/23	6/25	8.3
Nomini	106.0	42.3	5/21	6/25	8.7
Pixel*	123.2	43.5	5/25	6/28	9.3
Rossignola*	115.9	44.1	5/24	6/28	10.0
Secretariat	100.1	40.7	5/21	6/28	6.3
Thoroughbred*	114.3	44.7	5/23	6/28	8.7
Thunder	96.1	44.2	5/25	6/25	9.0
VA16M-81	113.5	48.9	5/25	6/28	9.3
VA16M-84	92.0	47.4	5/26	6/27	9.3
Visuel*	117.0	42.0	5/25	6/27	9.0
Wintmalt	103.5	39.9	5/28	6/27	8.3
Grand Mean	107.2	43.98	5/25	6/26	9.1
CV	17.12	4.37	1.6	1.2	8.45
LSD @ 10%	24.97	2.61	1.67	1.1	1.04

HICKORY CORNERS

Planting date: 10/10/2019

Fertility: 10/8/2018 – 32 lbs
N/acre, 52 lbs P/acre, 12 lbs
S/acre.

3/27/2020 60 lbs K/acre, 100 lbs
N/acre, 10 lbs S/acre.

Fungicide: 5/27/2020 13.7
oz/acre Miravis Ace

Harvest: 6/30/2020

Growing season conditions: A
cool and wet period in April
and early May was followed by
intermittent dry periods until
harvest.

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

*Six-row varieties, all others two-
row

#Fall Vigor Scores

7-10: Thick stand with lush,
multi leafed plants ~4" tall.

5-6: Occasionally spotty. Plants
~3" tall.

3-4: Has bare spots. Stand is thin
with small plants.

0-2: Few to no plants.



WINTER MALTING BARLEY TRIAL – 2020 RESULTS

Variety	Yield (bu/ac)	Test Weight (lbs/bu)	Heading Date	Maturity Date	Fall Vigor# (0-10)
08ARS509-1	92.6	42.6	NA	NA	3.7
08ARS632-5	59.4	40.5	NA	NA	3.0
13ARS537-13	78.9	44.2	NA	NA	4.0
13ARS537-19	92.1	43.2	NA	NA	3.7
AC13/028/53*	106.9	42.3	NA	NA	2.7
Charles	57.2	38.5	NA	NA	3.0
Delicatesse	70.5	40.3	NA	NA	3.0
DH130910	54.1	43.0	NA	NA	3.0
DH140088	95.9	40.8	NA	NA	3.7
DH140963	71.9	40.0	NA	NA	3.0
DH141132	68.0	40.9	NA	NA	2.7
Endeavor	62.5	39.7	NA	NA	3.0
Flavia	79.8	41.8	NA	NA	2.0
Hirondella*	90.2	41.1	NA	NA	3.3
KWS Donau*	43.5	36.7	NA	NA	2.7
KWS Faro*	103.7	43.6	NA	NA	2.0
KWS Flemming*	68.3	41.0	NA	NA	2.7
KWS Orbit*	76.6	42.8	NA	NA	2.7
KWS Scala	70.6	41.8	NA	NA	2.0
KWS Somerset*	65.3	40.0	NA	NA	2.0
LCS Calypso	56.3	41.5	NA	NA	2.3
LCS Casanova	74.5	44.9	NA	NA	3.0
LCS Nenea	86.4	43.4	NA	NA	2.0
LCS Puffin	64.5	45.1	NA	NA	3.0
LCS Violetta	25.5	39.4	NA	NA	0.0
Lyberac	41.0	43.8	NA	NA	2.7
MW12_4007-001*	47.2	40.1	NA	NA	2.3
Nomini	64.8	42.6	NA	NA	0.0
Pixel*	74.3	42.8	NA	NA	2.7
Rossignola*	77.2	44.8	NA	NA	2.3
Secretariat	66.2	41.3	NA	NA	0.0
Thoroughbred*	64.6	41.8	NA	NA	2.0
Thunder	70.2	41.9	NA	NA	2.3
VA16M-81	59.1	35.9	NA	NA	2.3
VA16M-84	33.3	38.0	NA	NA	2.5
Visuel*	60.2	41.6	NA	NA	2.7
Wintmalt	28.0	36.0	NA	NA	3.0
Grand Mean	68.6	41.2	NA	NA	2.5
CV	27.1	3.4	NA	NA	1.3
LSD @ 10%					

KAWKAWLIN

Planting date: 10/26/2019

Fertility: 10/26/2019 – 15 lbs N/acre, 15 lbs P/acre, 45lbs K/acre.

5/16/2020 100 lbs N/acre (urea)

Fungicide: None

Harvest: 7/17/2020

Growing season conditions:
Late planting led to limited fall growth, including no fall emergence for a few varieties. A portion of the plot area was removed from analysis due to winter injury from ponding.

Research site details:

Cooperating Farmers: Don Shelagowski and Chris Schmidt.

Previous crop: Dry beans

Soil type: Wixom Sandy Loam

*Six-row varieties, all others two-row

#Fall Vigor Scores

Fall Vigor Scores

7-10: Thick stand with lush, multi leafed plants ~4" tall.

5-6: Occasionally spotty. Plants ~3" tall.

3-4: Has bare spots. Stand is thin with small plants.

0-2: Few to no plants.

