

WINTER MALTING BARLEY TRIAL
2025 HICKORY CORNERS RESULTS

Variety	Yield (bu/A)	Test Weight (lb/bu)	Protein (%)
20211573~	83.7	60.9	12.7
15ARS607-1	129.8	47.8	11.3
16/449/71*	156.8	50.9	9.6
16ARS622-248	117.0	46.3	10.7
16ARS627-037	110.2	50.5	11.0
16ARS634-2	98.7	43.7	11.4
2MW19_3013-004	142.9	55.3	10.7
2MW19_3346-014	138.4	51.5	10.4
Avalon	116.2	54.4	11.4
DH141947	138.0	49.3	10.9
DH171854	86.4	52.4	11.7
DH190077	157.3	51.8	10.6
DH200620	159.1	54.3	10.4
Flavia	138.0	52.5	9.5
GHRIL0201-088	83.4	49.1	12.9
GHRIL02OPL-190	143.2	50.8	11.0
GHRIL02SCL-010	138.2	51.9	9.8
Hirondella*	145.4	48.8	10.0
KWS Orbit*	164.6	52.2	9.3
KWS Delis*	135.8	53.1	10.0
KWS Donau	166.3	51.7	10.2
LCS Calypso	144.1	54	11.3
LCS Violetta	134.0	52.7	10.5
Marouetta*	159.9	51.8	9.3
NB22259	67.4	53	11.9
NB22260	115.4	51.8	11.7
NYBS811-31	123.9		12.2
NYBS811-33	143.3	52.7	9.8
NYBS811-34	154.1	53.6	9.9
NYBS811-43	132.2	50.9	10.5
RIL0257-01-011	96.7	48.6	11.3
Secretariat*	88.3	52.9	11.2
TM17.167-008	108.4	50.4	11.5
TM18.236-016	129.6	50.8	11.4
VA22M-158	147.3	54	10.3
VA22M-160	97.0	53.5	12.4
VA22M-30	136.3	55.1	10.8
VT Beahm**	110.0	48.7	12.5
Wintmalt	136.0	48.8	11.3
Grand Mean	127.5	51.6	10.9
STDEV	25.4	2.9	0.9

SITE DETAILS

HC = Hickory Corners, MI

GA = Garden, MI

Planting date: HC- 10/04/24
GA – 9/19/24 (**winter killed**)

Fertility: HC-18 lbs N/A, 46 lbs P/A, 60 lbs K/A Fall Applied. 108 lbs N/A, 20 lbs S/A, 0.13 lb B/A Spring Applied.

Herbicide: 13.5 oz/A Huskie on 11/7/24

Fungicide: 13.7 oz/A Miravis Ace on 5/19/25

Harvest: HC-7/1/25

Growing season conditions:

Winter was colder than previous years, resulting in winter-kill of all varieties at the Garden location. Spring at HC was mild, but was followed by a warm June that accelerated the grain fill period and maturity.

*Six-row varieties

**Awnless six -row varieties, had substantial wildlife damage

~Hulless varieties

#Test Weights were recorded after cleaning grain for quality analysis

Varieties were sourced from the Winter Malting Barley Trial (WMBT), Virginia Crop Improvement Association, & local seed retailers.

Funding for the trial was provided by the American Malting Barley Association, Bells Brewery, Michigan Brewers Guild, Michigan Crop Improvement Association, & Michigan Craft Beverage Council.

WINTER MALTING BARLEY TRIAL 2025 HICKORY CORNERS GRAIN QUALITY

Variety	Plump (%)	Thin (%)	GE (%) 4 ml	GE (%) 8 ml	GC (%)	SN (RVU)	DON (ppm)
20211573~	90.3	0.7	99	99	99	155	0.27
15ARS607-1	89.5	1.1	92	72	94	122	0.38
16/449/71*	94.4	0.2	96.5	72.5	98	133	0.37
16ARS622-248	72.1	4.1	97.5	87.5	94	134	0.36
16ARS627-037	85.6	1.1	88.5	76.5	95	135	0.38
16ARS634-2	86.4	2.0	86.5	67.5	94	87	0.31
2MW19_3013-004	95.5	0.6	97.5	93	89	184	0.40
2MW19_3346-014	97.8	0.1	96.5	85	96	146	0.37
Avalon	98.3	0.2	100	91	99	166	0.32
DH141947	94.1	0.6	97	81.5	94	150	0.40
DH171854	89.6	0.8	95	66.5	97	144	0.49
DH190077	98.0	0.2	98	93.5	97	166	0.29
DH200620	97.0	0.4	96.5	75.5	96	147	0.60
Flavia	95.1	0.4	98	61.5	95	148	0.36
GHRIL0201-088	79.9	6.4	94.5	91.5	94	127	0.44
GHRIL02OPL-190	91.6	0.7	98.5	97	96	150	0.39
GHRIL02SCL-010	97.3	0.3	95	80.5	95	147	0.43
Hirondella*	81.0	1.6	100	94	92	120	0.37
KWS Orbit*	93.6	0.9	95.5	58.5	94	142	0.41
KWS Delis*	92.5	0.5	99.5	69	92	174	0.34
KWS Donau	98.6	0.2	97	85.5	96	151	0.32
LCS Calypso	95.7	0.2	98	65	96	143	0.31
LCS Violetta	95.8	0.4	93.5	67	98	149	0.33
Marouetta*	96.7	0.1	98.5	89	98	152	0.43
NB22259	95.7	0.6	96.5	71.5	97	153	0.54
NB22260	96.1	0.6	93.5	88.5	99	156	0.50
NYBS811-31	93.6	1.3	88.5	57	90	144	0.40
NYBS811-33	95.3	0.3	97.5	88.5	98	159	0.50
NYBS811-34	96.4	0.4	95.5	77	90	151	0.40
NYBS811-43	91.7	0.8	100	89.5	99	162	0.35
RIL0257-01-011	88.1	3.5	98	82.5	92	148	0.46
Secretariat*	90.0	0.9	92.5	70	93	183	0.33
TM17.167-008	89.7	2.0	99.5	87.5	96	144	0.38
TM18.236-016	93.7	1.2	96	71	97	147	0.40
VA22M-158	97.2	0.2	99.5	70	98	152	0.28
VA22M-160	93.6	0.8	96.5	55.5	95	145	0.28
VA22M-30	97.7	0.2	100	82.5	98	144	0.34
VT Beahm**	71.6	5.2	26	10	30	183	0.27
Wintmalt	92.6	0.8	92	61.5	98	136	0.35
Grand Mean	92.0	1.1	94.4	76.5	93.8	148	0.4
STDEV	6.5	1.4	11.7	16.2	10.8	17.8	0.1

GRAIN QUALITY

Grain quality is the most important characteristic for malting barley.

If the barley doesn't meet quality specifications, it may be rejected by the malthouse. Conversely, premiums may be offered for barley that meets or exceeds quality standards.

Ideal values for the quality data shown on this page are shown below.

- GC >95%
- Plump >90%
- CP <12.5%
- 4 ml GE >95
- DON <1.0 ppm
- SN >120 – lower indicates pre-harvest sprout
- Water sensitivity
4ml - 8ml GE
(difference over 30 indicates WS)

Grain quality from the Hickory Corners site was analyzed 6 months after harvest. This timing provided enough time for most varieties to break dormancy.

Grain was harvested prior to rainy conditions early in July which avoided pre-harvest sprout conditions.