September, 2021

The American Malting Barley Association (AMBA) strives to be the leader in improvement, development, and understanding of malting barley. We work with researchers, growers and federal agencies to ensure that the US remains self-sufficient in malting barley production.

In order to maintain ample barley supplies, AMBA:
· Directs and coordinates the US public sector malting barley research infrastructure of personnel, facilities, and funding.
· Coordinates the evaluation of new varieties and provides growers with a recommended list each season.
· Secures substantial increased federal research funding through lobbying by the National Barley Improvement Committee.
· Promotes increased production of malting barley and management practices to increase quality selection.
· Ensures favorable federal agricultural policies for growers and industry.
· Provides a unified industry voice on supply chain issues.

AMBA’s Mission: To encourage and support an adequate supply of high quality malting barley for the malting, brewing, distilling, and food industries and increase our understanding of malting barley.

Barley acres have declined substantially over the past thirty years due to competition with other crops, declines in feed use, changes in federal policies, diseases and other issues. Yet the US has maintained enough malting barley production to meet its needs. AMBA contributes to a robust barley supply chain in many different ways.

<table>
<thead>
<tr>
<th>Research and Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMBA provides $0.42 million to 25 projects aimed at improving the agronomic and quality of malting barley. Breeders are given quality targets for various malt markets in our breeding guidelines (above). This direct support gives AMBA influence in the staffing and direction of many state and federal barley research programs with staff sitting on advisory committees and panels.</td>
</tr>
</tbody>
</table>

The National Barley Improvement Committee is run by AMBA and has procured over $76.5 million for barley research since 1998 and another $20 million for USDA facilities that house barley projects.

There are many priority research areas that require these resources of interest to all end users regardless of their size, including:
· Two-row varieties that have processing or flavor advantages.
· Lines that reduce the risks of growing barley to the producer or provide for sustainable production.
· Winter types which require less irrigation, reduce erosion, and avoid some of the hottest summer weather.
· Varieties with resistance to diseases and insects.
· Increased nitrogen and water use efficiencies.

AMBA’s Quality Evaluation Program identifies new breeder lines that have the necessary quality, with member companies conducting malting, brewing and distilling trials. After completing pilot malting trails, lines that have satisfactory quality in plants scale testing may be added to
AMBA’s annual recommended list of malting barley varieties.

**Agricultural Policy**

AMBA partners with many other groups on farm policy and other matters of importance to the barley supply chain. Staff works with federal agencies on issues like crop insurance, farm programs, food safety, statistics, transportation, and grain grading. Research yields the necessary varieties, but agricultural policy is essential to provide the safety net that growers need to produce the crop. AMBA keeps abreast of the activities of state and national grower organizations and sponsors meetings in major production regions.

**An Industry Voice**

AMBA has established standard practices for the measurement of deoxynivalenol (DON) a mycotoxin produced by the *Fusarium* fungus, as well as, a method for measuring sprout damage. It voiced concerns about the use of desiccants and made sure that glyphosate and saflufenacil were not labeled for use on malting barley. AMBA periodically identifies issues that cause concern and educates the public on the industries position. Several grain treatments to prevent insects or suppress dust have been opposed by AMBA.

---

**Associate members** have a voting representative on the AMBA Board of Directors and Technical Committee, with input into malting barley variety development and all other programs. Maltsters pay dues of $4.77 per 1,000 bushels of barley steeped, and distillers and food companies pay $5.58 per 1,000 bushels of malt consumed the previous calendar year or minimum dues of $5,250. Brewers pay dues per the following tier system based on barrels of beer shipped the previous calendar year.

<table>
<thead>
<tr>
<th>Range</th>
<th>Dues</th>
</tr>
</thead>
<tbody>
<tr>
<td>80,000,000-100,000,000</td>
<td>$294,000</td>
</tr>
<tr>
<td>70,000,000-80,000,000</td>
<td>$245,000</td>
</tr>
<tr>
<td>60,000,000-70,000,000</td>
<td>$212,000</td>
</tr>
<tr>
<td>50,000,000-60,000,000</td>
<td>$180,000</td>
</tr>
<tr>
<td>40,000,000-50,000,000</td>
<td>$147,000</td>
</tr>
<tr>
<td>35,000,000-40,000,000</td>
<td>$122,500</td>
</tr>
<tr>
<td>30,000,000-35,000,000</td>
<td>$106,000</td>
</tr>
<tr>
<td>25,000,000-30,000,000</td>
<td>$90,000</td>
</tr>
<tr>
<td>20,000,000-25,000,000</td>
<td>$73,500</td>
</tr>
<tr>
<td>15,000,000-20,000,000</td>
<td>$57,200</td>
</tr>
<tr>
<td>10,000,000-15,000,000</td>
<td>$41,000</td>
</tr>
<tr>
<td>6,000,000-10,000,000</td>
<td>$28,200</td>
</tr>
<tr>
<td>&lt; 10,000,000</td>
<td>$5,250</td>
</tr>
</tbody>
</table>

**Associate Members**

- Alaskan Brewing
- Ballast Point Brewing
- Bear Republic Brewing
- Bently Heritage Estate Distillery
- Blue Ox Malthouse
- Boulevard Brewing
- Colorado Malting
- Copperworks Distilling
- Deer Creek Malthouse
- Diageo
- Epiphany Craft Malt
- Firestone Walker Brewing
- Flying Dog Brewery
- Full Sail Brewing
- Georgetown Brewing
- Great Lakes Brewing
- Great Western Malting
- Green Mountain Malting
- Malteurop North America
- Molson Coors Beverage
- New Belgium Brewing
- New Glarus Brewing
- Odell Brewing
- Origin Malt
- Proximity Malt
- Rahr Malting
- Schell’s Brewing
- Sierra Nevada Brewing
- Summit Brewing
- Lakefront Brewery
- Leopold Bros Distillery
- Lost Coast Brewery
- Madtree Brewing
- Market Garden Brewery
- Matt Brewing
- Mountain Malt
- New Holland Brewing
- Ninkasi Brewing
- Roadhouse Brewery
- Russian River Brewing
- Skagit Valley Malting
- Sun King Brewing
- Thrall Family Malt
- Troegs Brewing
- Urban Chestnut Brewing

Associate membership is for companies that want to help AMBA meet its mission, vision, and objectives, with some membership benefits. Associate members are welcome to attend AMBA Board and Technical Committee meetings as nonvoting members. Malting, distilling, and food companies pay the same dues rate as regular members in their category, with minimum dues of $525. Brewing companies pay dues of $3.33 per thousand barrels of beer shipped the previous calendar year, or minimum dues of $525.