



Building Resilience within the Malting Barley Industry

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American Malting Barley Association

WHO WE ARE

AMBA strives to encourage and support production of an adequate supply of high quality malting barley for the malting, brewing, distilling, and food industries



OUR WORK

Research Grant Program



Quality Evaluation Program



Advocacy & Policy



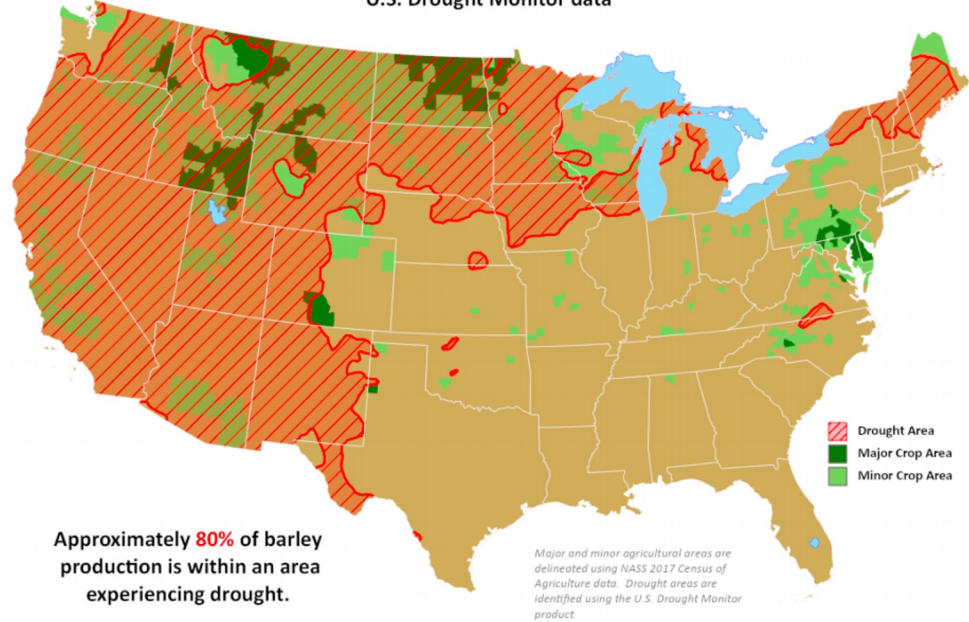
2021 BARLEY CROP: PRODUCTION

- Widespread drought throughout dominant growing region
 - Impacts to dryland and irrigated crops
 - Reminiscent of 1988 U.S. drought
- Production was 70% of 5-year average
 - Lower yields
 - Fewer harvested acres

USDA United States
Department of
Agriculture
This product was prepared by the
USDA Office of the Chief Economist (OCE)
World Agricultural Outlook Board (WAOB)

Barley Areas in Drought

Reflects **July 6, 2021**
U.S. Drought Monitor data



2021 BARLEY CROP: QUALITY

- Drought stress produced quality challenges
 - High protein
 - Low kernel plumpness
- Untimely moisture
 - Preharvest sprouting
 - Idaho and Montana



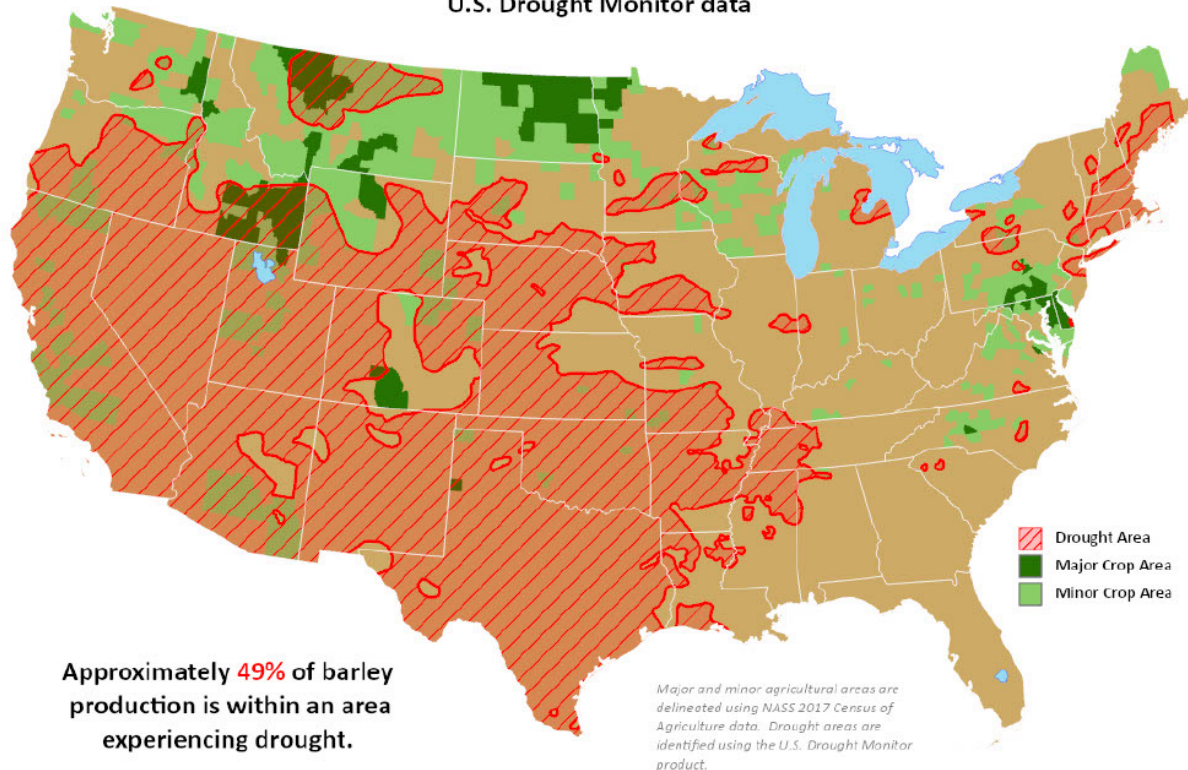
BARLEY CROP: STOCKS

- Low stocks leading into 2021; further depleted due to 2021 crop
- Increased demand for U.S. exports to Canada
- Increased imports (beyond Canada) in 2022
- International conflicts creating chaos in markets



Barley Areas in Drought

Reflects August 9, 2022
U.S. Drought Monitor data



BUILDING RESILIENCE: FINDING A SPROUT BALANCE

- Dr. Mark Sorrells
- Cornell University
- Germination traits and relationships to pre-harvest sprouting and malting quality



BUILDING RESILIENCE: PROMOTING QUALITY

- Dr. Jason Walling
- USDA-ARS-CCRU, Madison
- Study of the malting quality of new barley selections



BUILDING RESILIENCE: BREEDING WINTER HARDINESS

- Dr. Kevin Smith
- University of Minnesota
- Focused breeding program and coordination of the Winter Malting Barley Trial



BUILDING RESILIENCE: TACKLING CARBON

Carbon Neutral Toolkit for brewers



NATIONAL BARLEY IMPROVEMENT COMMITTEE

- Represents the U.S. barley community of growers, researchers, processors, users, and allied industries
- Advocates on behalf of sound federal policy and funding for barley research
- Initiatives focused on sustainability and resilience





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