

REGISTRATION FORM

Barley Malt Quality Evaluation

August 19 - 22, 2008

Northern Crops Institute • Fargo, North Dakota, USA

First Name	Last Name
Name for Badge	
Title	
Company	
Address	
City	
State	Zip/Postal Code
Country	
Phone	
Fax	
E-mail	

\$825 ASBC Member \$875 Nonmember

Payment Options

Payment by Check or Money Order. Amount enclosed \$ _____.
Make checks payable to Northern Crops Institute in US funds through a US bank.

Payment by wire transfer. Contact Northern Crops Institute for instructions.

Payment by credit card checked below:

VISA MasterCard Discover

Card No. Exp. Date *3 Digit V code

Name on Card

Signature

Credit Card Billing Address (If different than above)

***Required** – located on back of credit card on signature line.

Send completed form with payment to:

Northern Crops Institute
Bolley Drive – NDSU
Fargo, ND 58105-5183

Phone: +1.701.231.7736
Fax: +1.701.231.7235
E-mail: nci@ndsu.edu
Website: www.northern-crops.com

Registration forms are also available at:
www.northern-crops.com
www.asbcnet.org



Course Overview

Tuesday, August 19, 2008

8:00 a.m. Pickup at hotel

- Welcome/program orientation
- Barley variety development
- Barley quality evaluation
- Barley malt production technology

Wednesday, August 20, 2008

8:00 a.m. Pickup at hotel

- Malt biochemistry and analysis
- Specialty malts/extracts
- Biotechnology update in barley
- Greenhouse tour, gene mapping, and barley breeding

Thursday, August 21, 2008

8:00 a.m. Pickup at hotel

- World barley malt supply demand situation
- Food safety issues for malting barley
- Tours of barley elevator and malt house

Friday, August 22, 2008

8:00 a.m. Pickup at hotel

- Brewers perspective on malt
- 12:00 noon Adjourn

American Society of Brewing Chemists
3340 Pilot Knob Rd
St. Paul, MN 55121 U.S.A.



Brewing and Malting Professionals:
Gain practical knowledge about the quality components of barley and malt.

Register Early—Space is Limited!

Barley Malt Quality Evaluation

A practical short course

August 19-22, 2008

Northern Crops Institute
Fargo, North Dakota, USA

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Space is Limited!**

Co-sponsored by
American Society of Brewing Chemists
Northern Crops Institute
Institute of Barley and Malt Sciences

Barley Malt Quality Evaluation

August 19-22, 2008 • Northern Crops Institute • Fargo, North Dakota, USA

A practical short course

Course Description

The purpose of this course is to review, through lecture and demonstrations, the quality components of barley and malt necessary to produce an acceptable beer. Course content and laboratory demonstrations are designed to assist malting and brewing staff to round out their knowledge of the importance of various quality traits and various biochemical processes associated with the production of malt and beer.

Demonstration and Tours

Laboratory and greenhouse demonstrations will address barley breeding, gene mapping, malt analysis, and pilot brewing. Local elevator handling of barley will be observed, and a tour of a local malt plant will also be arranged.

Who should attend?

This course will appeal to maltsters, brew masters, quality assurance personnel, and anyone interested in the technical production of malt and beer. To fully appreciate the course lectures, participants should have a basic understanding of scientific principles.

Read what attendees had to say about previous offerings of this course:

Will the information I learn have an immediate and positive impact on how I perform my job?

"Yes, I have a better knowledge now of malt analysis and interpretation of those results."

"Yes, it will help me to evaluate malt entering into the brewery, as well as establishing a range of raw material specifications."

Course Faculty

Alain Caekaert

Director of Procurement and Logistics, ADM Malting Division
Milwaukee, Wisconsin

Dr. Lynn Dahleen

Research Geneticist, USDA Northern Crops Laboratory
Fargo, North Dakota

Joseph Hertrich

Group Director, Brewing Materials, Anheuser-Busch Inc.
St. Louis, Missouri

Dr. Richard Horsley

Professor, Plant Sciences Department, North Dakota State University
Fargo, North Dakota

David Kuske

Director of Malting Operations, Briess Malting Company
Chilton, Wisconsin

Dr. Paul Schwarz

Professor, Plant Sciences Department, North Dakota State University
Fargo, North Dakota

Jess Theis

VP of Malt Production, Engineering, and Plant Maintenance, Rahr
Malting Company
Shakopee, Minnesota

Registration Information

Registration Fee:

\$825 ASBC Member/\$875 Nonmember.

Classroom space is limited—register early.

Payment in full is due before the start of the course. Cancellations received after August 4, 2008, will be assessed a fee of \$100.

Course Schedule

Course participants should meet in the hotel lobby at 8:00 a.m., Tuesday, August 19, 2008, for transportation to the Northern Crops Institute (NCI). The course will adjourn at approximately 12:00 p.m. on Friday, August 22, 2008. The course fee includes written materials associated with the lectures and laboratory demonstrations. Also included are scheduled breaks, a luncheon on Thursday, and transportation to and from the hotel to the NCI and for field trips. Hotel accommodations and other meals are not included in the registration fee.

About the American Society of Brewing Chemists

ASBC was founded in 1934 to improve and bring uniformity to the brewing industry on a technical level. Today, ASBC is represented on nearly every continent, by more than 700 individual members and more than 50 corporate member firms.

About the Northern Crops Institute

The NCI is an international meeting and learning center that brings together customers, commodity traders, technical experts, and processors for discussion, education, and technical services. NCI short courses enable participants to learn about northern grown crops and their unique quality, marketing, and processing characteristics.

About the Institute of Barley and Malt Sciences (IBMS)

The IBMS provides targeted education, outreach and research for U.S. barley producers and domestic and international consumers of malting barley and malt. IBMS is part of North Dakota State University.

Hotel Information

Ramada Plaza Suites
1635 42nd St. SW
Fargo, ND 58103

Phone: +1.701.277.9000
Fax: +1.701.281.7169

Single Room: \$70
(Plus 9% tax per night.)

NCI has reserved rooms at the Ramada Plaza Suites at a special rate. Make your reservations directly with the hotel and mention that you are with the NCI/ASBC course to receive the special rate. Hotel reservations must be made by August 4, 2008, in order to receive the special rate.

Complimentary transportation will be provided between the Ramada Plaza Suites and the Northern Crops Institute each day.

This course will be conducted in a non-smoking environment. Casual business attire is appropriate.

If you have questions or special needs, please contact:

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Bolley Drive – NDSU
Fargo, ND 58105-5183

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AMERICAN SOCIETY OF
Brewing Chemists



NDSU

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Barley and
Malt
Sciences



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