



2020-2021

ANNUAL REPORT

DELIVERING TECHNICAL EXPERTISE
TO ADVANCE THE CANADIAN MALTING
BARLEY INDUSTRY



CANADIAN MALTING BARLEY
TECHNICAL CENTRE



MALT ACADEMY

The CMBTC has an education and training centre called the Malt Academy. Through the centre, participants receive theoretical and hands-on instruction in the craft of malting, and learn about the benefits of malting and brewing with Canadian barley.

CMBTC VALUES

INTEGRITY Conduct affairs in honest, ethical manner; follow through on commitments.

PROFESSIONALISM Uphold consistent, high standard in all services, programs and communications; demonstrate respect and listen to members & stakeholders.

STEWARDSHIP Recognize responsibility to represent the Canadian malting barley industry; ensure services meet members' needs; demonstrate value for investment.

ACCOUNTABILITY AND TRANSPARENCY Execute mandate, achieve targets and report results and finances in open and transparent manner.

PURPOSE

The Canadian Malting Barley Technical Centre (CMBTC) was established in 2000 as a national, independent, non-profit industry organization that provides malting and brewing technical expertise to the Canadian malting barley value chain.

Based in Winnipeg, Manitoba, Canada, the CMBTC facilities include a state-of-the-art malting plant and pilot brewery.

The CMBTC offers a suite of activities including technical services, marketing support, applied research as well as education and training. The CMBTC also operates the Malt Academy which provides technical courses on malt processing and brewing.

Funding is provided by members of the malting barley, malt and brewing industries, producers as well as provincial and federal governments. The CMBTC is governed by a Board of Directors comprised of Voting members

VISION

In collaboration with our partners, our vision is to help ensure Canada is a leader in supplying high-quality malting barley to the global malting and brewing industries, meeting the needs of customers around the world.

MISSION

To enhance the competitiveness of Canadian malting barley through technical services, applied research, marketing support, communications, as well as training and education.



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MESSAGE FROM THE CMBTC CHAIR



The 2020-21 marketing year saw the transition to newer malting barley varieties advance as testing and acceptance of the promising slate of new cultivars broadens among end-users at home and around the world. This is significant as brewers are notoriously cautious with respect to the uptake of new varieties, concerned over changes in brewing performance and sensory qualities, typically requiring a number of trials over a several seasons prior to giving the green light.

Canada's domestic malting industry are the early testers and adopters of new varieties, contracting with producers and gauging performance in the field and in processing. In parallel, the CMBTC feeds international customers with quality and performance data in the early years after registration, and once sufficient quantities of a new variety are available, the CMBTC works with seed companies, Canadian grain exporters and customers to coordinate commercial production trials with containers of new varieties shipped to end-users. In 2020-21, the CMBTC facilitated two production trials in China with a new variety CDC Fraser with promising results.

Today AAC Synergy is generally accepted by malting and brewing companies at home and abroad, while varieties such as AAC Connect, CDC Bow and CDC Fraser are increasingly being tested and accepted by both domestic and international end-users, gradually replacing stalwart, internationally recognized varieties such as AC Metcalfe and CDC Copeland, whose lives have already spanned 20 years. Of course producers play a vital role in this transition as there must be supply to drive uptake by end-users. Producers are taking some risk growing by a new variety, and it doesn't always work out, but this is a critical piece of the process as our industry addresses the proverbial chicken-or-the-egg dilemma.

Through communications such as the annual "Malting Barley Variety Recommended List", the CMBTC provides guidance to producers on which varieties have demonstrated agronomic and end-use quality characteristics, and which are in demand in the market place, ensuring Canada's farmers have the knowledge to make informed production and marketing decisions with respect to malting barley.

In summary, the current transition to new malting barley varieties is encouraging and a testament to the concerted promotional efforts on the part of Canada's barley sector and to the valuable work at the CMBTC to support the value proposition of our industry.

Sincerely,
Lorelle Selinger

MESSAGE FROM THE CMBTC MANAGING DIRECTOR



The global barley industry registered a significant milestone in 2020-21 – a record trade volume of 36.1 million tonnes according to the United States Department of Agriculture. Global barley production was also strong in 2020 at 160 million tonnes, the highest output since 1994 and 15% above the previous 10 year average with good crops in many countries including Russia, Australia, Canada and the United Kingdom.

The strong trade volumes were driven primarily by a strong Chinese barley import program that reached a record 12.0 million tonnes, making it the top importer in 2020-21 and breaking their previous record of 9.9 million tonnes of imports in 2014-15. About 30% of China's barley imports in 2020-21 were destined for the malting and brewing industries, similar to previous years in terms of volume of roughly 3.0-3.5 million tonnes, with the surge in imports driven by demand for feed barley from China's livestock sector.

With a healthy barley crop of 10.7 million tonnes in 2020, Canada capitalized on the demand from China, exporting over 3.7 million tonnes of barley from August 2020 through July of 2021, the largest program since 1990. With Australia out of the Chinese market due to prohibitive import duties, another milestone was reached with Canada exporting a record 1.6 million tonnes of malting barley. Canada's malt processing industry also had a good export program of 556,728 tonnes of malt, up 5% from the previous year, despite challenges facing the global brewing industry due to the pandemic.

The banner year for Canada in terms of exports was felt at the Canadian Malting Barley Technical Centre (CMBTC). The first export cargo sample was received in mid-September, followed by 62 more over the course of the marketing season, a record year for cargo quality evaluations (CQCs) at the CMBTC. Every cargo sample is analyzed for 10 barley quality parameters including protein, germination energy and plump kernels, and processed in the CMBTC's 50-kilogram pilot malting system to evaluate malting performance and finished malt quality. The CQC reports are a pillar of Canada's value proposition, helping customers optimize the performance of Canadian malting barley, and supporting the premiums earned over other origins in the global marketplace.

Another important factor impacting Canada's barley industry in recent years is the rise in demand for feed barley, supporting prices and ultimately production. Canada itself is one of the largest feed barley markets in the world, with the livestock sector using some 6 million tonnes annually. Only a handful of countries in the world use this much feed barley domestically. With feed barley exports flirting with 1 million tonnes in both 2018-19 and 2019-20, followed by nearly 2 million tonnes sold for export in 2020-21, its clear there will be demand for Canadian feed barley in the future. This bodes well for the entire sector, as a large demand base allows producers to grow barley knowing there are marketing options.

Cheers!
Peter Watts

CMBTC
BOARD OF DIRECTORS
2020-21



CHAIR

Lorelle Selinger
 Canadian Barley Supply
 Chain Manager
 Cargill-Prairie Malt



SECRETARY

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 Research Scientist and
 Program Manager,
 Barley and Other Grains
 Grain Research Laboratory



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MEMBER

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 Cargill



MEMBER

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 Barley Merchandiser
 Richardson



MEMBER

Jon White
 Barley Merchandiser
 Viterra

CMBTC MEMBERSHIP 2020-2021

CMBTC membership includes representatives from the full Canadian malting barley value chain from breeders and producers through to end users in export markets. The following is the list of members as of March 31, 2021.

VOTING



Alberta Barley



TIER 1



TIER 2



TIER 3



Dalian Xingze Malt Processing CO



HIGHLIGHTS 2020-21



MARKETING YEAR HIGHLIGHTS

CANADA BARLEY PRODUCTION

10.7
MILION TONNES

MALTING BARLEY EXPORTS

1.6
MILION TONNES
\$640 MILLION

PROCESSED MALT EXPORTS

556K
TONNES
\$405 MILLION

FEED BARLEY EXPORTS

2.1M
TONNES
\$630 MILLION

TOTAL VALUE OF CDN BARLEY & MALT EXPORTS

\$1.675
BILLION

CMBTC PROCESSING SUMMARY

PILOT MALTING TRIALS*

76

* INCLUDES CQCS

BARLEY ANALYSES

1,200

CARGO QUALITY EVALUATIONS (CQCS)

68

PILOT BREWING TRIALS

15

MICRO MALTING TRIALS

700

MICRO BREWING TRIALS

45

CROP & MARKET OVERVIEW

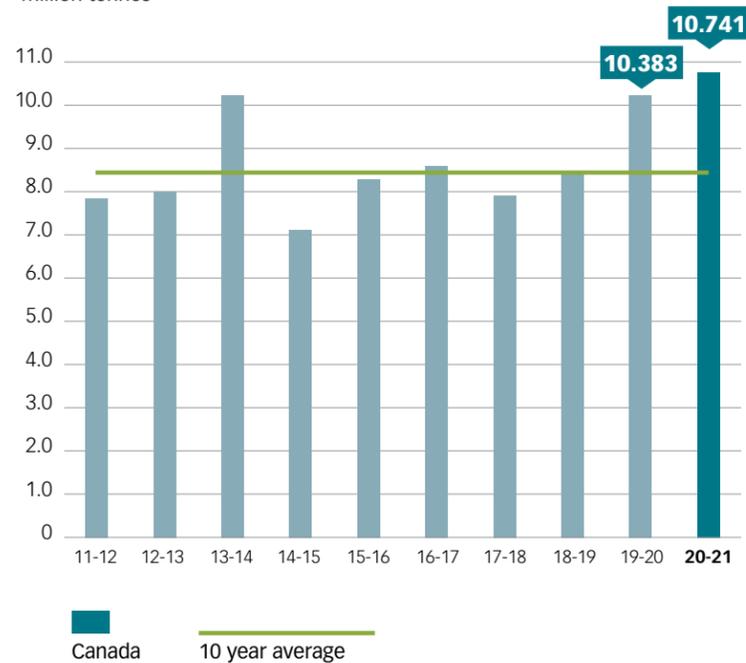
2020-21

GROWING SEASON & HARVEST

The 2020 crop year was a good one for many farmers in Western Canada. Adequate moisture and heat during the growing season in a large part of the Prairies, coupled with a relatively dry harvest, allowed farmers to produce one of the best malting barley crops in a decade. However, some regions did not fare so well. Northern Alberta suffered from cool, wet weather during much of the growing season and harvest, negatively impacting yields and quality. Much of Southern Saskatchewan was extremely dry, leading to lower yields, thin kernels and higher protein in some regions. Overall however, the 2020 barley crop was characterized by good quality and yields with many farmers achieving 80-90 bushels per acre, few issues with pre-harvest sprouting or disease, high test weights and excellent germination.

CANADIAN BARELY PRODUCTION

million tonnes



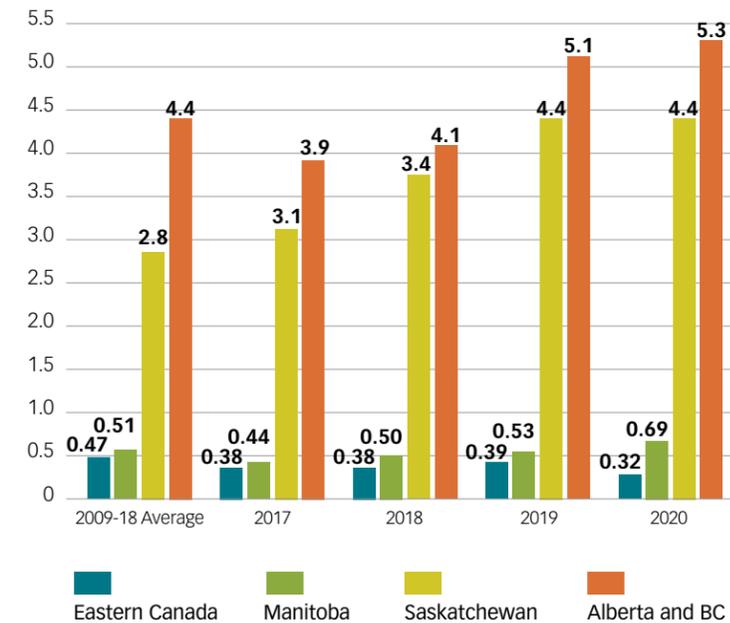
AREA, YIELD & PRODUCTION

With the highest seeded area since 2009-10 at 7.561 million (mln) acres (3.060 mln hectares), coupled with yields of 71.1 bu/acre (3.83 t/ha), just above the 2019 yield of 70.8 bu/acre (3.81 t/ha), final production is estimated by StatCan at 10.74 mln tonnes, up 4% from 2019's 10.26 mln tonnes.

Alberta (and BC) produced the most barley in 2020 at 5.3 mln tonnes, up slightly from 2019, while Saskatchewan's barley crop dropped marginally to just under 4.4 mln tonnes. Manitoba saw a big increase in barley production of 30% to 686,400 tonnes while Eastern Canada also saw a decline to 324,000 tonnes.

BARLEY PRODUCTION BY PROVINCE / REGION IN CANADA

million tonnes



CROP & MARKET OVERVIEW

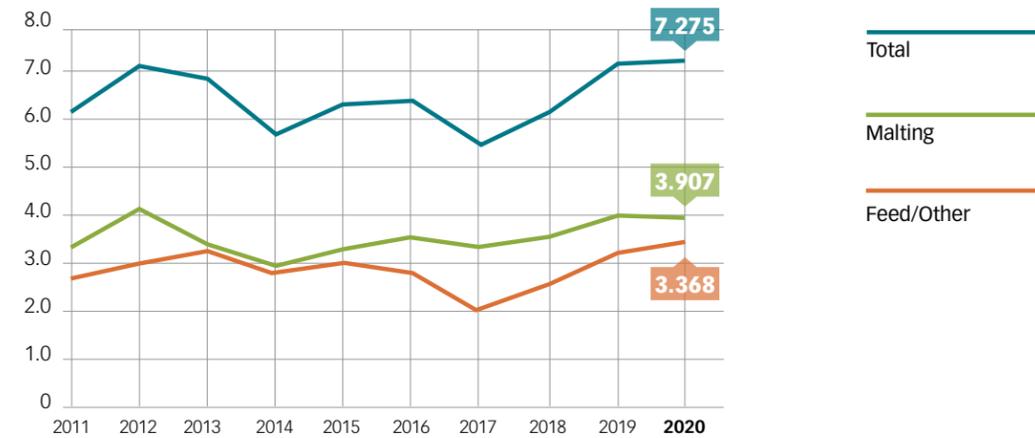
2020-21 (CONTINUED)

MALTING BARLEY PRODUCTION IN 2020

With 54% of barley seeded area, or 3.9 mln acres of malting barley varieties in Western Canada, total output was estimated at some 5.2 mln tonnes. Given the dry harvest in many areas, an estimated 65% of malting barley was of selectable quality, or just over 3.4 mln tonnes. This year saw another significant drop in area seeded to AC Metcalfe and an increase in seeded area to new varieties such as AAC Synergy, AAC Connect, CDC Bow and CDC Fraser.

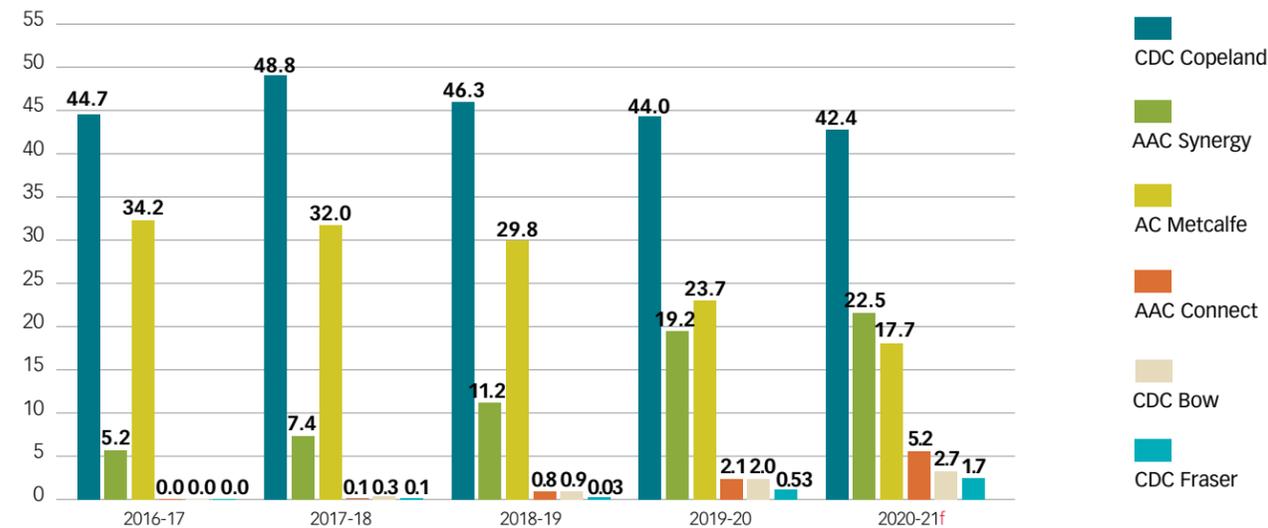
BARLEY SEEDING AREA IN WESTERN CANADA

million hectares



TWO-ROW SEEDING AREA BY VARIETY

% of total malting barley



WESTERN CANADA MALTING BARLEY SEEDING AREA BY VARIETY*

(% of total malting barley seeded area)

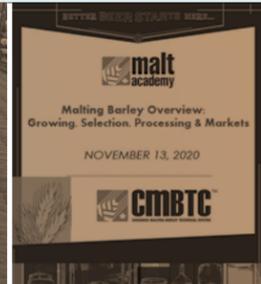
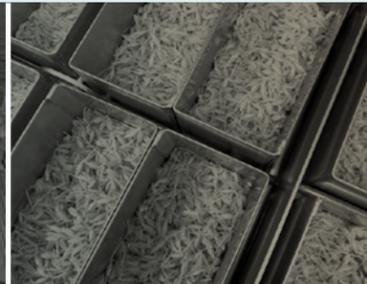
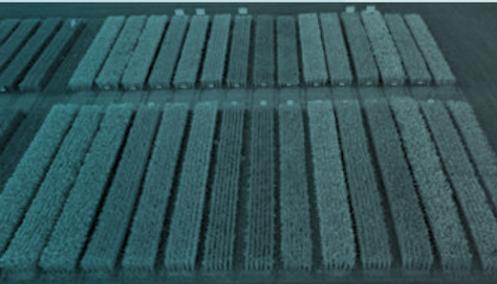
Variety	2016-17	2017-18	2018-19	2019-20	2020-21
CDC Copeland	44.7	48.8	46.3	44.03	42.44
AAC Synergy	5.2	7.4	11.2	19.20	22.54
AAC Metcalfe	34.2	32.0	29.8	23.70	17.66
AAC Connect	0.01	0.1	0.8	2.06	5.19
CDC Bow	0.01	0.3	0.9	2.01	2.71
Legacy	3.2	3.2	3.2	2.51	2.11
CDC Fraser	-	0.01	0.03	0.53	1.67
Newdale	3.1	2.3	2.2	1.55	1.15
Celebration	1.17	0.79	0.85	0.98	0.69
CDC Platinum Star	-	0.4	0.7	0.69	0.46
Bentley	2.7	1.8	1.4	0.73	0.36
Tradition	0.63	0.42	0.35	0.23	0.25
Cerveza	-	-	-	0.05	0.25
Bill Coors 100	-	-	-	0.05	0.15
CDC Meredith	1.8	0.7	0.7	0.7	0.13
CDC Copper	-	-	0.01	0.03	0.12
CDC Kinderley	0.9	0.5	0.2	0.10	0.07
Lowe	-	0.01	0.01	0.02	0.02
CDC Churchill	0.0	0.0	0.0	0.0	0.02
TOTAL	97.6	98.7	98.8	99.16	97.99

Source: CGC (Provincial Crop Insurance data)

ACTIVITIES 2020-21

HIGHLIGHTS

The 2020-2021 was a busy year at the CMBTC, here are some of the highlights:



WESTERN CANADIAN FIELD TRIALS

The CMBTC initiated an on-going project, the Western Canadian Field Trials, to evaluate new malting varieties at 25 stations across the Prairies.

CARGO QUALITY EVALUATIONS

A record 68 CQCs conducted between September 2020-August 2021 representing 1.5 million tonnes of exports.

2020 NEW CROP QUALITY EVALUATION AND SEMINARS

Issued *2020 New Crop Barley Quality Report*. Held 16 virtual webinars with customers in China and North America to review 2020 new crop quality and new varieties.

PROCESSING & ANALYSIS

1,200 new crop barley analyses; 700 micro maltings; 75 pilot maltings; 40 micro and 15 pilot brewing trials carried out in 2020-21.

NEW VARIETY PRODUCTION TRIALS

Containers of new variety CDC Fraser shipped to two Chinese malting companies for commercial malting and brewing trials.

MALT ACADEMY IN 2020-21 (VIRTUAL)

Held 5 virtual Malt Academy courses for industry and producer groups in 2020-21.

VARIETY ACCEPTANCE COMMITTEE (VAC)

VAC established in collaboration with the Brewing and Malting Barley Research Institute. Committee mandate to review experiences with new varieties, determine required seed quantities for coming season for further quality evaluation and brewing trials.

PRODUCER TARGETED COMMUNICATIONS

Issued *2021-22 Variety Recommended List* and *2021 Seeding Considerations* report.

APPLIED RESEARCH PROJECTS

Three studies carried out during 2020-21 including the Flavour Project, Origins and Preventing Premature Yeast Flocculation, and Manitoba Farm Trials.

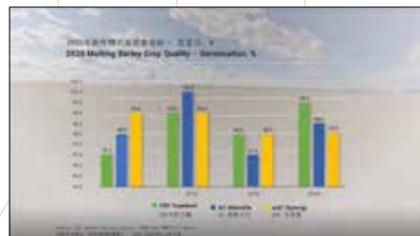
MARKETING SUPPORT

CARGO QUALITY EVALUATIONS (CQCS)

With one of the largest malting barley export programs on record in 2020-21—over 1.5 million tonnes shipped off shore—the CMBTC had a commensurately record year of cargo quality evaluations (CQCs) with 68 completed with 2020 crop exports. With each cargo of barley exported, the grain company seller sends a 75 kilogram composite sample from the export terminal to the CMBTC to be evaluated for quality and pilot malted. A report is compiled with barley analysis data, as well as processing performance and malt analysis results, for each lot and supplied to the seller and buyer. The primary export destinations in 2021 were China, the United States, Japan and Mexico.

NEW CROP SEMINARS

To promote the crop this year, a series of new crop webinars were offered to CMBTC members and end use customers in China using virtual platforms in place of outgoing missions. While the virtual experience couldn't replace in-person visits, ultimately the webinars allowed the CMBTC to reach a larger audience this year with companies often having dozens of participants attend the meetings from multiple offices and processing facilities across the country. And while the CMBTC annual New Crop Tour for international customers could not be held this year, in its place a new crop video was created to showcase the highlights of the 2020 crop year and harvest. The video was produced in both English and Chinese (Mandarin).



FEED BARLEY

In 2020, the CMBTC assumed responsibility for feed barley market development, which had previously been conducted in collaboration with the Barley Council of Canada. Work this year included the development of technical fact sheets for each major segment of the livestock industry (beef, pork, poultry). Ultimately the industry must continue to advance research in relation to feed barley nutrition and processing for livestock rations for both the domestic and international market. With the rise in demand for feed from China, Canada ultimately exported its largest feed barley program since the 1990s at over 2 million tonnes.

NEW VARIETY ACCEPTANCE

With a promising suite of new malting barley varieties characterized by excellent malting and brewing qualities, the trademark of Canadian barley, as well as improved agronomics and disease packages compared with older varieties, the CMBTC worked with its partners including malting and grain companies, seed companies and grower associations in 2020-21 to promote acceptance by end users. These new varieties will help Canada maintain competitiveness in the international markets in the future, and support our reputation for high quality barley and barley products. Varieties registered in recent years such as AAC Connect, CDC Bow and CDC Fraser represent the next generation that will succeed older cultivars such as AC Metcalfe and CDC Copeland.

SAMPLE DISTRIBUTION, COMMERCIAL TRIALS

In addition to the in-house evaluation of new varieties at the CMBTC, it's important to get samples of new varieties into the hands of our end-use customers to do their own testing and trials. Small samples (e.g. 2-5 kgs) of new malting barley varieties are sent to interested customers in end-use markets. In addition, in 2020-21 the CMBTC worked with our grain company partners to supply containers (approximately 1,500 tonnes) of the new variety CDC Fraser to two malting companies in China for commercial evaluation purposes. This follows container shipments to China of new varieties AAC Connect and CDC Bow the previous year.



WESTERN CANADIAN FIELD TRIALS

In 2020, the CMBTC began a new initiative entitled the Western Canadian Field Trials to generate samples for new crop and new variety evaluation. Working in collaboration with each of the Prairie provinces, 10 malting barley varieties were grown and sourced at 25 locations across the Prairies in established plot locations managed respectively by the Manitoba Crop Variety Evaluation Team (McVet), the Saskatchewan Variety Performance Group (SVPG) and Nutrien Ag in Alberta. The results generated through the analysis of these samples offer a reflection of new crop barley quality by variety and by region, and provide comparative barley and malt quality and performance among varieties at each location. In the first year of this new initiative, the CMBTC evaluated 750 individual samples and micro-malted 250 composite samples from the 25 sites, and generated malt analysis from 7 selected locations.



TECHNICAL SERVICES

In addition to using the CMBTC micro and pilot malting and brewing facilities to provide marketing support to the Canadian barley value chain, the CMBTC also provides technical services to its members that are evaluating the quality and processing performance of existing or new malting barley lines including the breeding centres, seed companies, provincial governments, malting companies as well as end-use customers. The CMBTC's technical services were in strong demand in 2020-21 with a number of project initiatives for CMBTC members as well as some external fee-for-service work including:

- Evaluation of new seed company barley lines being tested in plot trials;
- Evaluation of new varieties in development, or recently registered varieties, from breeding stations (FCDC Lacombe, AAFC Brandon, CDC Saskatoon);
- Collaboration with Government of Saskatchewan on the Barley Max project testing different agronomic packages in malting barley varieties;
- As part of the Rack Barley Trial (sponsored by SeCan, CANTERRA and FP Genetics) supplied barley analysis, micro malting and malt analysis data to evaluate barley and malting quality with variable fertilizer rates;
- Evaluated performance of loxless barley malt in brewing performance as well as beer flavour and shelf life stability.



CDC Churchill Demo Plot—Wylie Farms September 1, 2020



CDC Bow Demo Plot—Wylie Farm, September 1, 2020



APPLIED RESEARCH

Applied research remains an important part of the work at the CMBTC to address commercial challenges facing the industry and support the value proposition of Canadian malting barley. The CMBTC had 3 applied research initiatives underway 2020-21 including:

An investigation of Factors leading to Premature Yeast Flocculation (PYF) during Brewing (funded under the Science Cluster);

Brewers around the world have to contend with the problem of yeast that flocculates (combines into clumps) prematurely during fermentation, which in turn leads to incomplete fermentation, undesirable beer quality and potentially substantial economic losses. This phenomenon is referred as premature yeast flocculation (PYF). The objectives of this project are to examine the relationship between PYF in brewing and raw barley, malt, and process conditions in malting, to identify the factors that can trigger PYF, and to improve methods for the rapid assessment of malt PYF potential in brewing. The study is also looking to identify the processing factors in malting, which have the greatest impacts on the production of PYF positive malt and develop procedures to control these factors.

Flavours and Aromas in Canadian Malting Barley Varieties; (funded under the Science Cluster);

Canadian malting barley is recognized by domestic and international malting and brewing industries for its high quality, and brewers often point to the sensory attributes that Canadian malting barley/ malt impart on the end product that contribute

in a beneficial way, such as flavour. The objective of this project is to address the growing interest of both main stream and all malt brewers in the sensory characteristics of specific barley varieties by developing an understanding of the sensory/flavour profile of different malting barley varieties, identify underlying compounds (flavour precursors) in barley and malt that are linked sensory/flavours and aromas in beer that may be considered by end-users to contribute in a beneficial or non-beneficial way to the end product, and understand the impact of processing on and sensory/flavour attributes.

Assessing New Malting Barley Varieties for Production and Selection in Manitoba (funded under Manitoba's Ag Action Manitoba as part of the Canadian Agricultural Partnership with AAFC);

The objective of this project is to demonstrate the potential to grow new malting barley varieties in Manitoba that can be selected for malting, leading to the expanded production of good quality malting barley in Manitoba. The results will include a list of new Canadian malting barley varieties which suit the growing conditions in Manitoba, will suggest the regions/locations with the potential for growing malting barley in the context of soil type, rainfall pattern and prevalent barley diseases, and will offer recommendations for farming practices applied to achieve the greatest potential for successfully producing malt quality.

COMMUNICATIONS & EDUCATION

The CMBTC continued to expand its communications programming in 2020-21 to ensure members and customers receive the information they need to optimize their production, sourcing, sales and marketing decisions. And while the pandemic limited the ability to hold in-person Malt Academy courses, the CMBTC was able to use on-line platforms to deliver education and training programming throughout the year.

COMMUNICATION HIGHLIGHTS

The CMBTC continued to provide regular barley seeding and crop progress updates to its members during the 2020 growing season and harvest. These reports provide detailed assessments on seeding progress, weather conditions and crop development from April to October. The CMBTC also issued the 2020-21 Recommended List, which provides producers with a list of varieties that have the greatest potential for selection and marketing. Additionally, fact sheets were published for new varieties including AAC Connect, CDC Bow and CDC Fraser, translated into English, Spanish, French, Chinese and Japanese. A feed barley brochure was also created to promote Canadian feed barley in global markets.



Communications highlights included:

- Issued regular Crop Progress Updates during growing season (in English and Chinese)
- Issued the CMBTC 2021-22 Recommended List in November
- Issued 2020 New Crop Report
- Translated New Variety Quality fact sheets into Chinese, Japanese, Spanish (also available in English and French)
- Created barleyharvest.ca webpage
- Created Harvest 2020 video and circulated to customers
- Issued 2021 Seeding Recommendations in January
- Created Canadian Feed Barley fact sheet

TRAINING & EDUCATION

In-person Malt Academy courses were not possible in 2020-21 due to travel and gathering restrictions, and as a result the CMBTC held five Virtual Malt Academy courses for industry and producer groups during the year.

- April 2020—Alberta Producer Course
- August 2020—Cargill Elevator Staff Training
- November 2020—Saskatchewan Producer Course
- November 2020—Manitoba Producer Course
- March-April 2021—Boortmalt Staff Training

CONFERENCES & COMMITTEES

With significant travel restrictions, there were limited opportunities for participation in conferences and events in the 2020-21 marketing year, however the CMBTC was able to participate and present virtually at a number of conferences to promote Canadian barley and malt, discuss new varieties, and disseminate research results. The CMBTC also sits on a number of committees and was able to attend meetings virtually.

The following are the conferences and committees the CMBTC participated in during 2020-21:

WBC (World Brewing Congress) Connect 2020

August 13-17, 2020

CMBTC staff (Y. Li, A. Nguyen, A. Onio, B. Lodge) attended the virtual conference.

CMBTC Poster: "Influence of blending high and low-protein barley on malt quality"

CMBTC Poster: "New Canadian Malting Barley Varieties: Meeting the Quality Requirements of the Global Malting and Brewing Industries"

US Craft Maltsters Guild Conference

February 21-24, 2021

CMBTC staff (A. Onio, S. Santiano) attended the virtual conference.

Prairie Grain Development Committee Conference

March 1-3, 2020

P. Watts, Y. Li and A. Onio sit as members of the Barley Quality Evaluation Team (BQET) on the Prairie Recommending Committee for Oats & Barley (PRCOB).

BMBRI Technical Committee

Y. Li, P. Watts attended the BMBRI Technical Committee meetings during 2020-21.

Strategic Barley Research Planning

Y. Li, P. Watts participated in the Strategic Barley Research Planning discussions led by Gina Feist and the Canadian Barley Research Coalition (CBRC).

New Variety Acceptance committee (VAC)

The VAC, led by the BMBRI and the CMBTC, held two meetings in the 2020-21 marketing year to discuss the technical merits of new malting barley varieties.

North American Barley Researchers Workshop (NABRW)

P. Watts sat on the on the organizing committee for the North American Barley Researchers Workshop planning for the 2021 conference.

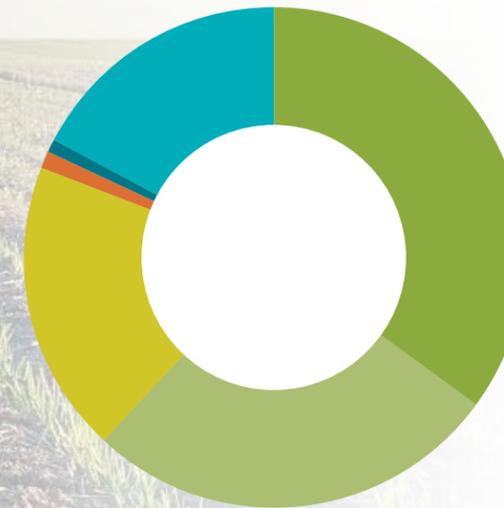
CMBTC FINANCIAL STATEMENTS

Year Ended March 31, 2021

In 2020-21, funding under Agriculture and Agri-Food Canada's AgriMarketing Program, which matches CMBTC member contributions and funding from barley producer organizations, accounted for the largest portion of CMBTC revenues at 32.8%. Producer contributions, which accounted for 18.4% of total CMBTC revenues, were up over 20% from the previous year due to the larger crop and higher resulting deliveries into the elevator system. And with research and project funding up 15%, total revenues were up 8% year over year to \$1.418 million.

On the expenditure side of the ledger, research expenses, external services and salaries were higher year over year, while operations, rent costs and travel were lower. The net result is that the CMBTC recorded a small surplus in the 2020-21 fiscal year.

2020-21 REVENUES



AAFC (AGRIMARKETING) \$488,969	33%
MEMBERSHIP \$385,331	26%
PRODUCER CONTRIBUTIONS \$273,490	18%
TECHNICAL CONSULTING \$18,888	1%
RESEARCH AND PROJECT FUNDING \$233,935	16%
OTHER REVENUES \$17,534	1%

2020-21 EXPENDITURES



OPERATIONS \$181,934	13%
RESEARCH \$137,515	10%
RENT, MEETING ROOMS, PHONE \$150,312	11%
EXTERNAL SERVICES \$77,255	6%
SALARIES \$840,009	57%
TECHNICAL CONSULTING \$18,888	1%

CMBTC
STAFF LISTING
2020-21



MANAGING DIRECTOR
Peter Watts



BREWING & RESEARCH TECHNOLOGIST
Bryce Lodge



OFFICE MANAGER
Rose Marie Bemrose



MALTING TECHNICIAN
Sherwin Santiano



DIRECTOR OF MALTING & BREWING OPERATIONS
Dr. Yueshu Li, PHD



RESEARCH & PROGRAM MANAGER
Shelley Lagasse



MALTING & BREWING TECHNICAL SPECIALIST
Aaron Onio



STATISTICAL CLERK
Jillian Li



MALTING & BREWING TECHNICAL SPECIALIST
Andrew Nguyen

CO-OP STUDENT
Hannah Exner





CANADIAN MALTING BARLEY
TECHNICAL CENTRE

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