

WINTER CEREALS

CANADA

Incorporating **SASKATCHEWAN Winter Cereals DEVELOPMENT COMMISSION** and **Winter Cereals News MANITOBA INC.**

GROWER

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OFFICIAL NEWSLETTER OF WINTER CEREALS

CANADA WESTERN RED WINTER WHEAT 2016 QUALITY REPORT. HOW GOOD WAS OUR CROP!

2016 WESTERN CANADIAN WHEAT QUALITY REPORT: CANADA WESTERN RED WINTER



Quality Parameter	No. 1 CWRW	
WHEAT (13.5% mb)		
Test weight, kg/hL	81.6	
Weight per 1000 kernels, g	27.4	
Protein content, %	11.4	
Protein (dry matter basis), %	13.2	
Falling number, s	415	
Ash content, %	1.61	
Particle size index, %	49	
MILLING YIELD		
Flour yield (total products basis), %	78.4	60.0
Flour yield (0.50% ash basis), %	80.3	na
FLOUR (14.0% mb)		
	Straight Grade	60%
Protein content, %	10.6	10.1
Protein loss on milling, %	0.8	1.3
Wet gluten, %	29.7	28.1
Ash content, %	0.46	0.34
Colour - L*	85.5	86.9
a*	0.01	-0.26
b*	13.3	13.2
Starch damage, UCD	19.5	19.1
Amylograph peak viscosity, BU	607	688
FARINOGRAM		
Absorption, %	53.8	53.6
Dough development time (DDT), min	2.2	1.6
Stability, min	12.6	11.6
Mixing tolerance index (MTI), BU	26	41
ALVEOGRAM		
P (height x 1.1), mm	51	61
L, mm	179	148
P/L	0.28	0.41
W (x 10 ⁻⁴), J	302	348
EXTENSOGRAM (135 min)		
R _{max} , BU	503	619
E, mm	216	209
A, cm ²	142	164
BAKING (NO TIME DOUGH)		
Absorption, %	58	nd
Mixing time, min	8.7	nd
Specific volume, cm ³ /g	7.8	nd
Total bread score (out of 10)	9.0	nd
BAKING (SPONGE & DOUGH)		
Absorption, %	57	nd
Mixing time, min	8.1	nd
Specific volume, cm ³ /g	7.2	nd
Total bread score (out of 10)	9.4	nd
NOODLES (WHITE SALTED)		
Colour (3 h / 24 h) - L*	74.9 / 71.6	77.9 / 75.3
a*	1.95 / 3.01	1.17 / 1.66
b*	22.3 / 20.7	22.8 / 21.8
COOKED NOODLES - Max. cutting stress, g/mm ²		
Cooking time - 2.5 min	29.5	31.4
3.5 min	24.8	25.6
5.0 min	19.9	18.5
STEAMED BREAD		
Specific volume, mL/g	nd	3.3
Skin colour - L*	nd	91.4
a*	nd	-1.49
b*	nd	16.3

- Data generated at Cigi.
- Data is reported on a 13.5% moisture basis for wheat and 14.0% moisture basis for flour.
- na = not applicable
- nd = not determined

Canadian International Grains Institute

cigi.ca

Conclusions:

Results from Cigi's Harvest Assessment on a composite sample of CWRW from the 2016 crop year showed that CWRW continues to have good milling yield, dough strength and flour colour. CWRW exhibited very good overall baking functionality and can be used at 100% or in a blend with other Canadian wheat classes or wheats of other origins depending on the end product application. The quality characteristics of CWRW also make it an excellent fit for the quality requirements of steamed bread and noodles.

Canada Western Red Winter (CWRW) 2016 Harvest Assessment Results

As part of the Canadian International Grains Institute's 2016 Harvest Assessment program a CWRW composite was prepared and analyzed. This composite was made up of CWRW samples representative of commercial shipments by grade from inland elevators of the grain handling companies across Western Canada. The 2016 CWRW harvest composite was evaluated for milling, analytical, baking, and Asian end product quality with the following results:

Milling and Analytical:

- Kernel test weight was high, this is desirable as it indicates good milling extraction, and the kernels were sound with high falling numbers.
- The milling characteristics were excellent (high flour yield, low ash and white colour) and are desirable to millers and typical of this class.
- Analytical tests for flour functionality (farinograph, alveograph and extensograph) showed that the 2016 CWRW harvest composite had good dough strength which was similar to the previous year. Adequate dough strength is required by commercial bakers as it helps ensure good baking performance and end-product quality.

Baking:

- Pan bread results indicate very good baking quality producing loaves with high volume and bright white crumb colour. Water absorption was low, which is undesirable to commercial bakers, but typical of the class.

Asian End Products:

- Steamed bread was of high quality with bright white exterior and interior colour, excellent texture (high springiness, low stickiness, high firmness). These quality characteristics are desirable to consumers who seek steamed bread with excellent appearance and textural properties.
- White salted noodles had bright white colour with good colour retention and a smooth but firm texture which are all desirable characteristics.

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Canadian Grain Commission seeks input on proposed user fee updates and use of surplus funds

WINNIPEG, The Canadian Grain Commission launched a consultation on proposed changes to its user fees and began a discussion about potential uses of surplus funds. Grain producers, farm groups, licensed grain companies and industry associations are invited to provide their input on proposed changes to Canadian Grain Commission user fees and service standards. The Canadian Grain Commission is proposing to reduce user fees for most of its services. The consultation closes on May 1, 2017.

The updated fees would take effect on April 1, 2018 after the current five-year user fee review cycle ends on March 31, 2018. Following the consultation period, the Canadian Grain Commission will consider stakeholder input and make a formal proposal through the Canada Gazette process.

The Canadian Grain Commission is also asking for input on potential uses for surplus funds. As a result of higher than expected grain volumes and lower than expected spending, the Canadian Grain Commission reported an accumulated surplus of \$95.9 million in the 2015 to 2016 fiscal year. As of September 30, 2016, the Canadian Grain Commission has accumulated a surplus of \$107.2 million.

The discussion period also ends on May 1, 2017. Comments received will be reviewed before options for use of the available surplus are presented to the Minister of Agriculture and Agri-Food.

Quick facts

- Updating user fees is a regulatory process that requires the approval of the Governor in Council
- A proposed new formula-based fee structure will better align revenues with the costs of providing Canadian Grain Commission services
- The Canadian Grain Commission must retain a surplus of approximately \$36 million (representing approximately six months of operating costs) to address variabilities in revenues and employee severance obligations
- The surplus may only be spent on programs and activities that are related to services that the Canadian Grain Commission is authorized to provide under the Canada Grain Act
- The Canadian Grain Commission needs approval from the Treasury Board of Canada to spend the surplus

Related details: Visit the following websites for more detailed information on how you can participate.

- User Fees Consultation and Pre-proposal Notification: www.grainscanada.gc.ca/consultations/2017/user-fees-17-en.htm
- Potential use of accumulated surplus: www.grainscanada.gc.ca/consultations/2017/accumulated-surplus-en-17.htm

Editor's Note: This is a once in a lifetime opportunity for producers to voice their opinions on the dispensation of a considerable amount of money that originated from on farm sales of your grains. The choices range from a 5-year reduction in the user fees charged to inspect and certify your grain on export to a significant expansion of the Grain Commissions research laboratory.

Do not miss this opportunity to have a voice in the future of your industry. It's your money – Have your say!

Minister MacAulay Announces Appointments to the Canadian Grain Commission

Agriculture Minister Lawrence MacAulay announced January 3, 2017 the appointment of Patricia (Patti) Miller as Chief Commissioner of the Canadian Grain Commission (CGC). The appointment is for a six-year term effective February 13, 2017.

Patricia (Patti) Miller has extensive experience in both government and the grains and oilseeds industry. In April 2012, Ms. Miller joined the Canola Council of Canada as President. While at the Council Ms. Miller led the development and implementation of a new strategic plan and guided the industry to successful resolution of several challenging trade issues. Prior to joining the Council, Ms. Miller worked at Agriculture and Agri-Food Canada (AAFC) in Winnipeg where she managed large-scale program delivery for several years. During her career with AAFC she was responsible for working with Canadian grains and oilseeds producers and industry on policy, trade, market development and research issues in order to facilitate sustainable, profitable market growth in the sector. Prior to her executive work with AAFC, Ms. Miller was Communications Manager with a multi-national agri-food company in Winnipeg where she provided leadership on government relations, corporate and employee communications.

Ms. Miller holds an M.Sc., Agricultural Economics from the University of Saskatchewan.

Agriculture Minister Lawrence MacAulay announced January 31, 2017 the appointment of **Lonny McKague** as Commissioner of the Canadian Grain Commission (CGC). The appointment is for a four-year term effective February 13, 2017.

Mr. McKague has extensive experience as an owner and operator of a farm in South Central Saskatchewan. His forty years of experience as a primary producer have provided him with knowledge of current social and economic issues facing producers and their businesses. He has successfully navigated a farming operation through all of the production, handling, transportation and

marketing challenges that have occurred in the ever-changing global market. Mr. McKague served as a Director and a Founding Member of Ogema Elevator Ltd, a provider of grain elevator products and services in Ogema, Saskatchewan. He is a former president of the Canadian Limousin Association, the Ogema Agricultural Society, and of the local Saskatchewan Stock Growers Association. He also served as a past director of the Ogema Credit Union.

Mr. McKague has studied Vocational Agriculture and Agriculture Business Management at the University of Saskatchewan.

Agriculture Minister Lawrence MacAulay announced January 31, 2017 the appointment of **Anthony Douglas (Doug) Chorney** as Assistant Chief Commissioner of the Canadian Grain Commission (CGC). The appointment is for a five-year term effective February 13, 2017.

Doug Chorney served as Keystone Agricultural Producers (KAP) president from 2011 to 2015. Prior to this, he was KAP vice-president and served as chair of KAP's Workplace and Employment Committee. Mr. Chorney has served on the board of directors of Manitoba Agricultural Services Corporation since June 2015. As well, he served on the Agricultural Risk Management Review Task Force in 2015. He has served on the board of directors of the Canadian Federation of Agriculture from 2011 to 2015. Also, he has been a member of the Manitoba Advisory Council on Workplace Safety and Health since 2012. Currently, Doug is Vice-Chair of the Canadian Agricultural Human Resource Council since 2014, board member since 2009.

Mr. Chorney is a professional engineer and holds an agricultural engineering degree from the University of Manitoba. Doug farms 1,500 acres of cereal, oilseed and vegetable crops near East Selkirk, Manitoba.

The Winter Cereals Group congratulates these three highly qualified individuals on their appointment to the Commission and looks forward to working with them on matters of mutual concern.

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Have an idea for an article in the Grower?

E-Mail jake@wintercerealscanada.org And we will try and get the information you want in our next issue.

Advertise in the Winter Cereals Grower

Winter Cereals Canada invites interested individuals and companies to advertise in the *Winter Cereals Grower*.

8 ½ x 11 \$550.00

6 ¼ x 8 ¼ \$385.00

4 ¼ x 5 ½ \$300.00

2 ½ x 2 ¾ \$150.00

Multiple insertion (3) discount 10% if booked together.
Copy can change.

GST will not be added to these prices. All advertising must be camera ready or suitable for scanning. Advertorial content is accepted at the standard rates. Advertising and copy deadlines are March 1st, June 1st and October 1st.

Material should be submitted to:

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If you no longer wish to receive the Winter Cereal Grower newsletter, please send us either an e-mail with your name and address or send us a note with your mailing label requesting that your name be removed from the mailing list.

Chairman’s AGM Report: Mr. Dale Hicks, Outlook, Saskatchewan. Chair of Saskatchewan Winter Cereals Development Commission and Winter Cereals Canada Inc.

Another year passed and yet again we had a wet miserable harvest that slowed down or stopped winter cereal seeding for the fall 2017 harvest. Approximately 400,000 seeded acres went into the ground in Manitoba and Saskatchewan, but this number does not reflect the rising interest in winter cereals. As I predicted a few years ago at our AGM's durum wheat is becoming more and more difficult to grow as fusarium infections continues to make durum quality nearly impossible to guarantee or market. Winter wheat, especially when earlier seeded is a good option, as most spring wheat continues to been hit hard with fusarium. The last few wet years in Saskatchewan have made durum and lentils a risky rotation. It seems canola acres will continue to rise therefore setting up winter wheat as a naturally good rotational choice. Plan your canola crop to fit in with winter cereal seeding. Straight cut canola has been working well in some areas, but it does delay harvest. Swathing a few acres, or perhaps a couple fields of an earlier variety will get stubble available to early seed winter cereals into.

Over the years, winter cereals were heralded as the cheap crop to seed, which maybe worked, but left yield potential lagging behind. Think of winter cereals as a high input crop, that if done properly - seeding date, top fertility, weed control, fungicides - can deliver 100 bushel yields, of a quality product well before the weather goes wet, and the early winter cereals harvest aids in getting other crops off in time.

Winter wheat and fall rye research are delivering new varieties, and even a new market class. Agronomy research is continuing as well to answer

questions on best management practices to obtain high yields and manage seeding dates for both winter wheat and fall rye. Let's make 2017 the year we all plan to get some winter wheat in the ground, and slowly get off the treadmill of hoping a drier year will alleviate problems with spring crops...and hit and miss pulses.

In Manitoba, we have new challenges as soybeans replace canola, and how can winter wheat follow up on these bean acres? High yielding CNH class wheats are also yielding well and competing with winter wheat acres. These are the reasons your winter cereals organizations are supporting ongoing agronomy research into these areas.

Marketing the HRW class will also be a priority, and plans are being made to do this. One thing not to rule out is a good high yielding GP class, as \$5 wheat to the hog or chicken barn still beats the \$3.00 USD Kansas farmers are currently getting for their crop. Domestic millers are showing an interest in including a larger blend of HRW into flour products, as in many years we are the low fusarium wheat available to meet spec. New classes of hard white winter, and ongoing work on soft white winter may be an avenue to grow a higher value product, which is a much better alternative than competing against the hard red grown in the USA. I'm proud of the progress your Winter Cereals organizations have made on our limited budget, and we will continue to work hard to bring these projects to reality.

May 2017 be a normal year, and a good bountiful, dry, early harvest be with you all.

Snapshots From Our Annual Meetings

Dr. Rob Graf from AAFC Lethbridge summarized the traits of multiple new winter wheat varieties that producers will have access to over the next 2 to 3 years at the march 15th meeting in Brandon, Mb.



New Format = Great Success

On March 15th 2017 for the first-time Winter Cereals Manitoba Inc. and Winter Cereals Canada Inc. held their annual general meeting in conjunction with Ducks Unlimited Canada at the AAFC Brandon Research Center. By joining together, the 3 groups were able to attract over 45 participants interested in topics as diverse as genetic mapping to the utilization of winter cereals as cover crops.

In addition to the standard General Meeting business producers heard from 4 excellent presenters and much lively discussion.



Dr. Ravi Chibbar explains how his research team at the University of Saskatchewan are learning to differentiate lines of winter wheat for cold hardiness in his lab before actually seeding test plot trials.

Dr. Yvonne Lawley from the University of Manitoba discussed ongoing agronomy studies at the U of M.



Producers from across Western Manitoba attended the joint full day meeting held by Ducks Unlimited Canada, Winter Cereals Manitoba Inc. and Winter Cereals Canada Inc. at the AAFC, Brandon Research Center. This first-time event attracted over 45 participants.



Dr. Monica Baga from the University of Saskatchewan explains the difficulties involved in mapping the cold hardiness gene in Winter Wheat at the January 2017 SWCDC Annual General meeting held in Saskatoon

Chairman’s AGM Message: Doug Martin – East Selkirk, Manitoba. Chair of Winter Cereals Manitoba Inc

For the 2016 crop year winter wheat yield and quality was quite good. Using Manitoba Crop Insurance figures the average yield for winter wheat was 72 bushels / acre - a new record.

Winter wheat acres were down 8% from the year previous and down 59% from the 10-year average. Weather again has reduced acres in Manitoba due to wet conditions at harvest and delayed harvest of canola, our preferred stubble crop.

In some areas, Rye is replacing winter wheat in rotations. In 2016 Rye acres were up 101% over 2015 and up 78% over the 10-year average. Producer are switching to Rye for high yield (hybrids) and winter hardiness. In my area (East Selkirk), Rye is going in on soybean stubble in October. Winter Cereals Manitoba will be consulting with the Minister of Agriculture concerning the possibility of our becoming the representative organization for rye producers in the near future so that we can invest with our Saskatchewan sister organization in ongoing research that will benefit Manitoba producers .

Other crops competing with winter wheat are the high yielding feed wheats which were up 14% from 2015. Hard red spring wheat was down 13% from 2015. According to yield Manitoba data winter wheat yield was 7 bushels greater than the feed wheat category.

We will be assuming the Western Canadian Deduction Aug 1, 2017 and will be looking at where we can use the funds to promote market development through Cereals Canada.

In Manitoba commodity groups are investigating ways to work together to improve efficiency in their organizations. Winter Cereals Manitoba is very efficient but. however we will be looking at ways to work together with other organizations to get more value to our producers.

With reduced acres, there may be less new research until our new levy deduction kicks in, but we will continue to look at ways to leverage producer's money to get the most value.

Lend a helping hand (or crop) to your neighbour

Paul Thoroughgood P.Ag, Regional Agrologist, Ducks Unlimited Canada

With spring seeding rapidly approaching most of us are moving from planning to execution mode. For those of us who carried out our plan to seed winter wheat last fall there are many rewards ahead of us such as less ground to cover this spring, another tool to manage grassy weed resistance on our farm, early harvest, and likely avoidance of pests such as wheat midge and diseases such as fusarium head blight.

Dr. Brian Beres, an agronomy researcher from Agriculture and Agri-Food Canada Lethbridge, spoke at FarmTech this past winter regarding fusarium management. A few of his comments included:

- Fusarium is likely here to stay
- It will take several dry years to reduce inoculum loads
- Fungicides can help treat the problem, but are not the cure
- It is mind boggling why more growers are not switching some cereal acreage to winter wheat as part of their fusarium management plan

You can't attend a farm meeting this year without talking about fusarium. While winter wheat isn't immune to the challenges of fusarium it does usually have an advantage of flowering prior to the climatic conditions conducive to high levels of infection. Experienced winter wheat growers know that either fusarium isn't an issue (my area) or can be managed (eastern prairies). Unfortunately, many of our non-winter wheat growing neighbours are stuck in the spring crop paradigm and can't see the solution that is growing right in front of them.

Be a good neighbour. I challenge you to help three non-winter wheat growing neighbours successfully grow winter wheat on their farm.

Taking up this challenge isn't just about successfully seeding in the fall. Historically, seeding shallow into a sometimes-dry seed bed, managing seeding and harvest simultaneously, fertility management, and timely weed control were the predominant challenges. Today, I contend that marketing winter wheat is the biggest obstacle. With winter wheat being a smaller acreage crop, demand can be a challenge in traditional markets. The large grain handlers sometimes have competitive bids and are willing to take delivery of winter wheat, but at other times growers need to seek out alternate markets. Small domestic millers and local feed/ethanol markets have made many winter wheat growers considerable money this year. Helping our neighbours learn the subtleties of marketing winter wheat versus spring wheat and durum could be the difference in realizing net income from winter wheat equal to their spring cereals versus taking home a considerable profit.

Take up the challenge – be a good neighbour – help three neighbours experience the advantages of winter wheat on their farm this year!

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COOL CROP
PHOTO CONTEST

Here is your chance to show off both your photographic and farming skill at one time.

Winter Cereals have been known as the "Cool Crop" for years. This year e-mail us a photograph related to your 2017 Winter Cereals cool crop. From a panorama view of your best field, your crop greening up in spring to the view from your combine window.

The best three photographs will be featured in our Fall/Winter issue of the Winter Cereals Grower.

Just tell us where and when the photo was taken, the variety of winter wheat, fall rye or winter triticale in the photo and email it to jake@wcmi.info. If the photo is harvest related don't forget to brag about your yield.

The winner will receive a:
ASUS Z170C-A1-BK Zenpad 7 7" IPS Touchscreen Tablet, Intel Atom x3-C3200 (1.2GHz) Quad Core, 1GB RAM, Android 5.0, (or equal value substitute if not available at time of award).

The design of ASUS ZenPad C 7.0 carries modern influences and a simple, clean look that gives it a universal and stylish appeal. These elements are inspired by the ASUS Zen design philosophy of balancing beauty and strength.

- 1.2GHz Intel Atom x3-C3200 Quad Core
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- Bilingual
- Bluetooth 4.0
- 0.3MP Front & 2MP Rear Camera
- Android 5.0 (Lollipop)
- Warranty: 1 year International

Winter Cereals Manitoba Inc. is proud to provide funding for the MCVET trials on behalf of Manitoba winter wheat producers and our members.