WINTER CEREALS CANADA GROWER

Incorporating Saskatchewan Winter Cereals Development Commission and Winter Cereals Manitoba Inc. News

ISSUE NO. 50 FALL / WINTER 2013 OFFICIAL NEWSLETTER OF WINTER CEREALS

NEW COLD TOLERANCE RESEARCH ON THE HORIZON

MANITOBA AND SASKATCHEWAN COMBINE FORCES TO PARTICIPATE IN VALUABLE RESEARCH

It is commonly known that winter wheat has the potential to produce 20-30% higher yields than spring wheat by more efficiently utilizing spring moisture, out-competing weeds and circumventing the peak of Fusarium head blight infections. Unfortunately winter wheat can be risky in some regions in the Prairies due to insufficient winter-hardiness. This can lead to reluctance among producers to incorporate winter wheat in to their cropping programs, despite the clear yield advantage. Thus, varieties with improved winter hardiness are required to expand cultivation of winter wheat and also provide insurance against frost damage due to sudden cold snaps in spring.

Winter field survival is controlled by two major processes: (i) the level of frost hardiness developed during cold acclimation in the fall and (ii) rate of de-acclimation (loss of cold-hardiness) during the winter months. Cold acclimation is influenced by low temperature signaling pathways and plant developmental factors, which in combination determine winter survival potential at the start of the frost season.

SWCDC and WCMI have agreed to participate in funding the work of Dr. Ravindra Chibbar and Dr. Monica Båga from the Department of Plant Sciences, College of Agriculture & Bioresources at the University of Saskatchewan on a new project "Genomic strategies to improve field survival of winter cereals and stabilized yield".

The proposed project, will in collaboration with winter cereal breeders (Graf and Larsen) and molecular biologists (Laroche, Foroud) at AAFC, Lethbridge test in the field the effect of U of S characterized candidate genes conferring better winter field survival in winter wheat. Successful completion of this research will provide the genetic markers and germplasm needed to accelerate the development of 'Resilient Winter Wheat' using a non-GMO (conventional) approach. These markers may also be useful to improve winter survival in other winter cereals. The development of robust winter cereals will provide farmers with added business opportunities and introduction of environmentally friendly crops into their production system.

The main objectives of the research proposal will be to (i) Characterize by DNA sequencing the variation in selected candidate genes for enhanced field survival in winter wheat and rye. (ii) Identify the optimal gene arrangement for developmental traits in autumn-seeded wheat, (iii) Validate the model of optimal gene arrangement of low temperature tolerance and developmental traits using field survival tests of winter wheat,fall rye varieties and breeding lines at various locations in Western Canada, (iv) Develop DNA-based perfect markers for selected genes for use in marker assisted selection to accelerate the development of winter wheat and rye genotypes with improved field survival capacity.

The proposed research is based on more than one decade of research on understanding the molecular basis of low temperature tolerance in winter wheat. The proposed research will also complement and extend a recently funded NSERC discovery grant awarded for 2013 – 2018 that is aimed at identification of important developmental traits associated with cold hardiness. The experiments proposed in this research are necessary to validate key candidate genes for winter survival under variable field conditions. Genetic markers for validated genes will be an important tool for development of 'Resilient Winter Wheat' with consistent survival under the prairie winters and cold snaps in the spring.

To successfully complete this project, the group at the U of S (Chibbar and Båga) will collaborate with the group at AAFC Lethbridge (Laroche, Foroud, Graf, Larsen) to complete the structural and functional genomics in a timely fashion within the five years term of the project. Drs Graf and Larsen will provide the necessary field expertise so that the concepts developed in the laboratory can be simultaneously and rigorously tested in the field to validate the hypothesis proposed from the ongoing research.

The proposed study will use plant material consisting of wheat and rye genotypes, wheat recombinant inbred lines and mapping populations that are available from ongoing research projects at both U of S and AAFC. Selected genotypes will be grown in the field at various sites in Western Canada to study winter cereals survival under natural conditions (Graf and Larsen). As part of our current project, very winter hardy winter wheat and rye lines have been identified and the work on molecular analyses to identify and characterize genes associated with increased cold tolerance is already in progress. We will use the same winter wheat and rye genotypes and recombinant inbred lines previously characterized for enhanced cold tolerance to identify the candidate genes underlying the desired developmental traits. Candidate genes will be DNA sequenced, undergo expression analysis and expressed in a bacteria *(Escherichia coli)* to produce recombinant proteins for structural and functional analysis and antibody production. The DNA sequences of genes confirmed to participate in winter field survival will be used to develop DNA markers to assemble a package of genes needed to accelerate the development of winter cereals with a high survival index for Western Canada.

The completed project hopes to result in; 1) New winter wheat and rye germplasm with enhanced low-temperature tolerance and field survival in Western Canada. 2) Optimal gene combinations at low temperature tolerance chromosomes and other wheat chromosomal locations for developmental traits. 3) DNA markers for genes participating in enhanced winter field survival.

Winter Wheat – and more winter wheat. Located at the Paterson Grain elevator in Morris, Manitoba this new bulk storage system will hold 31,000 tonnes (1.5 million bushels of winter wheat for future sale and shipment. (Photo Leighton Siemens)

As a result of previous research scientists have identified and characterized two or three genes which have a very stable structure and are very strong candidate genes to enhance low temperature tolerance in winter cereals. It is believed that the selected genes when combined with suitable developmental traits can enhance winter field survival of winter cereals. Identification and characterization of genes for developmental traits and their interaction with low temperature tolerance genes is the focus of proposed research in the next five years.

In addition to funds coming from the SWCDC and WCMI this project has applied for funding by the Saskatchewan Agriculture Development Fund, Western Grains Research Foundation and **Natural Sciences and Engineering Research Council of Canada (NSERC)**. The total estimated cost to fund this valuable research will be over $1,500,000.00 over a 5 year period.

For more information please contact Dr. Ravinder Chibbar. rnc841@mail.usask.ca

The Saskatchewan Winter Cereals Development Commission and Winter Cereals Manitoba Inc. are focused on future improvements in winter wheat varieties and related agronomic issues. Money collected from the Manitoba and Saskatchewan levies is used to assist with the funding requirements of research projects like the one described above.

The SWCDC and WCMI are pleased to announce that we have agreed to provide a total of $200,000.00 to help Dr. Chibbar complete this valuable research project.

In This Issue

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WINTER CEREALS MANITOBA AGM

The annual general meetings for Winter Cereals Manitoba and Winter Cereals Canada in 2014 will be moving to the home of Chuck the Channel Catfish, Selkirk Manitoba. Located a short 22 kilometres north east of Winnipeg Selkirk is in the heart of winter wheat country. Join fellow winter wheat producers for an informative day of presentations and networking with researchers and other winter wheat producers.

Manitoba Winter Wheat Variety Market Share Comparison Report. (Source MAFRI)

2013			2012		
Total Winter Wheat Top 10 Varieties	614,654 Acres % Market Share	Number of Acres	Total Winter Wheat Top 10 Varieties	593,906 Acres % Market Share	Number of Acres
CDC FALCON	77.3	475,128	CDC FALCON	68.0	403,856
CDC BUTEO	12.5	76,832	CDC BUTEO	17.7	105,121
CDC PTARMIGAN	2.9	17,825	CDC PTARMIGAN	4.2	24,944
MCCLINTOCK	1.8	11,064	MCCLINTOCK	3.2	19,005
BROADVIEW	1.7	10,449	PEREGRINE	1.7	10,096
ACCIPITER	1.3	7,991	SUNRISE	1.3	7,721
FLOURISH	0.7	4,303	ACCIPITER	1.2	7,127
SUNRISE	0.5	3,073	NO VAR	1.0	5,939
NO VAR	0.5	3,073	CDC HARRIER	0.7	4,157
PEREGRINE	0.3	1,844	CDC KESTREL	0.4	2,376

NOTICE OF ANNUAL GENERAL MEETING SASKATCHEWAN WINTER CEREALS DEVELOPMENT COMMISSION

JANUARY 13, 2014

Saskatoon Inn Hotel & Conference Centre
2002 Airport Drive
Saskatoon, SK, Canada, S7L 6M4

REGISTRATION 8:30 AM

BUSINESS MEETING 9:00AM TO 10:00 AM

INDUSTRY INFORMATION SESSIONS 10:00 AM TO 12:30 PM

LOOK FOR US IN A NEW LOCATION

Hear about research being funded by the SWCDC to enhance the production of winter cereals and much, much more!

All producers are invited. Only producers who have paid the Winter Cereals levy since August 1, 2011 and not requested a refund are eligible to vote.

FOR MORE INFORMATION CONTACT
J. DAVIDSON, EXECUTIVE DIRECTOR
1-866-GRAIN-11
jake@swcdc.info

SWCDC CALL FOR NOMINATIONS

BECOME A DIRECTOR OF THE SASKATCHEWAN WINTER CEREALS DEVELOPMENT COMMISSION

The SWCDC has openings for 3 positions on the producer elected Board of Directors. Three directors will be elected for a two year term ending at the annual General Meeting in January of 2016. SWCDC Directors participate in approximately 5 board meetings a year and contribute time to the SWCDC. Directors are called on to represent the SWCDC at conferences that impact the winter cereals industry. Expenses are reimbursed to Directors and a daily per diem remuneration is paid.

Registered winter cereals growers interested in joining the Board can contact the SWCDC business office at 1-866-472-4611 for nomination forms. Nomination forms must be returned to the Returning Officer no later than 12:00 p.m. (noon) October 25, 2013.

Note: Only registered growers may vote, nominate or hold office.

A registered grower means any grower who has had a Saskatchewan Winter Cereals Development Commission check-off deducted since August 1, 2011 . A registered grower is not eligible to be nominated as a director if he or she has requested or received a refund of the check-off since August 1, 2011.

An election (if required) will be held by mail ballot with election results announced at the Annual General Meeting in Saskatoon, Sk. on January 13, 2014.

October 25, 2013 Nominations Close at 12:00 p.m. (Noon)
November 22, 2013 Ballots mailed if necessary.
December 13, 2013 Last day for ballots to be received.
January 13, 2014, Results announced at SWCDC Annual General Meeting

Saskatchewan Winter Wheat Regional Trial

Some of the most important data that farmers rely upon are those for variety performance. In late 2012, Dr. Rob Graf of Agriculture and Agri-Food Canada in Lethbridge assumed the role of Saskatchewan winter wheat coordinator. As the coordinator, he's responsible for compiling the winter wheat table that appears in the annual "Varieties of Grain Crops for Saskatchewan" publication.

The Saskatchewan Winter Cereals Development Commission is proud to be the financial backer for this important endeavor. This fall, the Saskatchewan winter wheat regional trial was seeded at seven sites (Saskatoon, Kamsack, Redvers, Indian Head, White City, Swift Current and Melfort) and consists of 16 varieties of the CWRW and CWGP classes: CWRW varieties consist of Radiant, Flourish, Emerson, AAC Gateway, CDC Buteo, Moats, CDC Chase, DH00W31N*34; CWGP varieties consist of CDC Falcon, Accipiter, Peregrine, Broadview, Swainson, CDC Ptarmigan, Sunrise and Pintail.

Plans are to increase the number of sites in the future. For 2014/2015, another two to three sites are already in the discussion phase.

Editors Note: *The Saskatchewan Winter Cereals Development Commission has committed to funding three years of the Saskatchewan Regional Trials. The investment of levy funds to enhance the selection of new varieties is a SWCDC core objective.*

WINTER CEREALS MANITOBA INC NOTICE OF ELECTION OF DIRECTORS AND ANNUAL GENERAL MEETING

The Annual General Meeting of Winter Cereals Manitoba Inc. will be held in Selkirk, Manitoba on March 12, 2014 at the Selkirk Inn and Conference Center. During the meeting elections will be held for several positions on the Winter Cereals Manitoba Inc. board of directors.

If you are interested in becoming involved with promotion and research pertaining to Winter Wheat in the Province of Manitoba through participation on the Board of Directors please contact the Winter Cereals Manitoba Inc. office to learn more about this rewarding possibility. Directors participate in approximately 5 board meetings a year and contribute time to WCMI. Directors are called on to represent the WCMI at conferences and meetings that impact the winter wheat industry in Manitoba. Expenses are reimbursed to Directors.

FOR MORE INFORMATION CONTACT
J. DAVIDSON, EXECUTIVE DIRECTOR 1-866-GRAIN-11
jake@wcmi.info

WINTER CEREALS CANADA INC NOTICE OF ELECTION AND ANNUAL GENERAL MEETING

The Annual General Meeting of Winter Cereals Canada Inc. will be held in Selkirk, Manitoba on March 12, 2014 at the Selkirk Inn and Conference Center. During the meeting elections may be held for several positions on the Winter Cereals Canada Inc. board of directors.

Winter Cereals Canada Inc. provides management services and co-ordinates the common interests of producer members of Winter Cereals Manitoba Inc. and the Saskatchewan Winter Cereals Development Commission. If you are interested in becoming involved with promotion and research pertaining to Winter Wheat in the provinces of Manitoba and Saskatchewan through participation on the Board of Directors please contact the Winter Cereals Canada Inc. office to learn more about this rewarding possibility. Directors participate in approximately 5 board meetings a year and contribute time to WCCI.

Potential Directors should be current members of either Winter Cereals Manitoba Inc. or the Saskatchewan Winter Cereals Development Commission. Directors are called on to represent WCCI at conferences and meetings that impact the winter wheat industry in Western Canada. Expenses are reimbursed to Directors.

FOR MORE INFORMATION CONTACT
J. DAVIDSON, EXECUTIVE DIRECTOR 1-866-GRAIN-11
jake@wintercerealscanada.org

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.

LEVY CENTRAL AND THE AGRICULTURE COUNCIL OF SASKATCHEWAN - SERVING YOUR COMMISSIONS AND PRODUCERS

It has been over three years since Levy Central moved under the umbrella of the Agriculture Council of Saskatchewan (ACS) Inc. If ACS has its way, the next three years will be just as successful and Levy Central will continue its phenomenal growth.

ACS took over Levy Central from Sask Canola in February of 2010. At the time, the program collected levies from nine commodity organizations across Saskatchewan and Manitoba. This past June, ACS added the fourteenth and fifteenth Levy Central clients: the Saskatchewan Wheat Development Commission and Saskatchewan Barley Development Commission.

"ACS currently operates levy collection services for thirteen Saskatchewan, Manitoba and Alberta provincial commodity organizations and two western Canadian check-offs," explains ACS Executive Director Blair Goldade . "We currently contract with 15 separate check-offs, which is almost double the original client number in just over the three years since Levy Central began operating under ACS ."

The levies collected through the commodity organizations fund research, market development and educational activities. Levy Central offers several services to their clients, including providing a powerful database which tracks levy reports and payments from each registered or licensed commodity buyer and which generates a wide range of reports and statistical information, regular communication with buyers and follow up for late reports and payments, and a weekly deposit and reporting of levy cheques received.

"Activity over the 2012/13 year focused on maintaining the high quality of service offered to existing clients, marketing the program to other commodity groups that might benefit from these unique services, as well as expanding the suite of services that might be offered to clients," said Levy Central Manager Ann Smith.

The Levy Central Advisory Group (LCAG) was established through ACS when Levy Central became a program of the organization. It is made up of members from the client commodity organizations and three directors from the ACS Board. The LCAG ensures that standards of quality, efficiency and accountability are met while providing the opportunity for client input directly to the ACS Board of Directors.

ACS has the goal of continuing Levy Central's growth, and as Smith points out, the unique services the program offers will be a key driver in its success.

"Each Levy client has unique access to their individual database via remote login to run reports and check statistical data at any and all times," she says. "We are also investigating the expansion of services to clients which may include full election services, mail out services for newsletters and communications, and the receipt of levy refund applications directly from producers."

While expanded services may play a part in attracting future clients, it is the quality of the core services and the proven track record with several commodity organizations across the Prairies that have successfully built the foundation of the program. As long as that remains, the future of the Levy Central program looks outstanding.

For more information on Levy Central, contact: Ann Smith, Levy Central Manager at 975-6853 or smitham@agcouncil.ca.

The Saskatchewan Winter Cereals Development Commission website is your home for winter wheat news in Saskatchewan. www.swcdc.info

The Winter Cereals Manitoba website is your home for winter wheat news in Manitoba. www.wcmi.info

CDC FALCON MOVED TO CWGP CLASS, AUGUST 1, 2014

On August 1, 2014, CDC Falcon, previously a Canada Western Red Winter (CWRW) variety, moved to the Canada Western General Purpose (CWGP) class.

When the Canadian Grain Commission first announced that certain CWRW varieties were moving to the CWGP class in 2013, we stated that CDC Falcon would not move until a sufficient amount of replacement variety or varieties(s) was available to producers. In October 2011, we had proposed keeping Falcon in the CWRW class until 2014.

Based on consultation with a broad representation of the industry, the Canadian Grain Commission has determined that there are sufficient supplies available for those producers who would like seed replacement varieties this fall.

CDC Falcon will continue to be a registered variety, but as of August 1, 2014, it can only be delivered to the CWGP class.

Replacement varieties

Replacement varieties for CDC Falcon have been developed that are more suited as milling and baking wheats. These registered varieties are eligible for delivery into the CWRW class.

Suitable supplies of Flourish and Moats are available for seeding in 2013. Other new varieties are currently being multiplied and will be available when there are sufficient supplies available for seeding. All varieties registered in the CWRW class meet current milling and baking requirements and customers' end- use needs.

Variety designation lists

Producers are encouraged to consult the Canadian Grain Commission's variety designation lists to verify which class their wheat varieties are eligible for. These are available at www.grainscanada.gc.ca.

About the Canadian Grain Commission

The Canadian Grain Commission is the federal agency for establishing and maintaining Canada's grain quality standards. Its programs result in shipments of grain that consistently meet contract specifications for quality, safety and quantity. The Canadian Grain Commission regulates the grain industry to protect producers' rights and ensure the integrity of grain transactions.

Contact

Randy Dennis
Chief Grain Inspector for Canada
Canadian Grain Commission
Telephone: 204-983-2780
Email: randy.dennis@grainscanada.gc.ca

2013 FUSARIUM HEAD BLIGHT SURVEY OF WINTER WHEAT IN MANITOBA

Submitted by: Pam de Rocquigny, Provincial Cereal Crops Specialist, MAFRI

Every year since 1998, winter wheat crops in Manitoba are monitored during the growing season for fusarium head blight (FHB) to assess disease severity. The in-crop surveys are typically done by Agriculture and Agri-Food Canada staff at the Cereal Research Centre with assistance from Manitoba Agriculture, Food & Rural Initiatives (MAFRI). However, the 2013 survey was led by Holly Derksen, Field Crops Pathologist with the Crops Knowledge Centre, MAFRI.

How survey was conducted

The prevalence of FHB in winter wheat was assessed by surveying 43 farm fields when most crops were at the early milk to soft dough stage of growth. In contrast to other disease surveys conducted in Manitoba, the fields were not surveyed at random. Instead, information on their location was obtained from Farm Production Advisors with MAFRI.

Fusarium head blight in each field was assessed by non-destructive sampling of 100 plants to determine the percentage of infected spikes (disease incidence), and the mean spike proportion infected (SPI). The overall severity was expressed as the FHB Index = (% incidence x % SPI / 100).

Winter wheat acres, varieties and fungicide use

According to Manitoba Agricultural Services Corporation's Variety Market Share report, winter wheat was grown on 614,654 acres in Manitoba in 2013. In addition, there was 25,314 acres of pedigreed winter wheat production insured. Keep in mind these numbers represent what was planted in the fall of 2012 as reported to MASC and does not reflect the final number of winter wheat acres remaining after spring stand assessments/termination of fields.

CDC Falcon once again was the predominant winter wheat variety planted, occupying 77.3% of the winter wheat area. It was also the variety in 24 of the 43 fields sampled. CDC Buteo was the second most common variety grown in Manitoba occupying 12.5% of the acreage; it was sampled in 4 fields. However, in the field survey the second most common variety sampled (9 of the 43 fields) was Flourish. Interestingly, Flourish was the predominant variety planted for pedigreed seed production, occupying 63.2% of the pedigreed winter wheat area.

In terms of fungicide application by producers for FHB suppression, 39 of the 43 fields were sprayed with either tebuconazole-, metconazole-, prothioconazole- or prothioconazole + tebuconazole-based products.

Survey results

Symptoms of FHB were observed in 39 of the 43 winter wheat crops visited. The average disease incidence of the 43 fields was 5.6% (range 0 – 19.0%), mean SPI was 14.4% (range 0 – 42.4%) and the resulting average FHB Index was 1.0% (range 0 – 4.2%). Table 1 further illustrates the average FHB Index in the four regions of Central, Eastern/Interlake, Southwest and Northwest, and the number of fields surveyed per region.

The 2013 FHB Index was lower than the 10-year (2003-2012) average of 3.4% (see Table 2). While delayed maturity and good weather conditions in the 2013 growing season appeared favourable for inoculum development and subsequent infection, the low levels of FHB in Manitoba in 2011 and 2012 likely resulted in reduced carry-over of Fusarium in overwintered straw and stubble. Combined with foliar fungicide application in majority of fields surveyed, the result was reduced FHB severity and little to no yield or quality loss in winter wheat in 2013.

Special Thanks Goes To: *Holly Derksen (MAFRI) & Regan Bell (MAFRI), Farm Production Advisors (MAFRI), the various Producers who allowed their fields to be surveyed, & Brent McCallum (AAFC – Winnipeg) for their hard work and assistance with the 2013 FHB Winter Wheat Survey.*

References:

1: Manitoba Agricultural Services Corporation (MASC). 2013. 2013 Variety Market Share Report. September 11, 2013.

2: A. Tekauz, M. Stulzer, M. Beyene, and J. Gompf. 2013. Fusarium head blight of winter wheat in Manitoba – 2012. Can. Plant Dis. Surv. 93: 135-136 (2012). (www.phytopath.ca/cpds.shtml)

3: Tekauz, A., Stulzer, M., Meconnen, M., Harris, A., and Le Ba, N. 2012. Fusarium head blight of winter wheat – Manitoba 2011. Can. Plant Dis. Surv. 92: 111-112. (www.phytopath.ca/cpds.shtml)

Table 1: 2013 FHB Index by Agricultural Region

Region	FHB Index	# of Fields
Central	0.7	23
Eastern/Interlake	1.0	10
Southwest	1.1	6
Northwest	2.3	4
2013 Provincial Average	1.0	43

Table 2: Average FHB Index in Manitoba Winter Wheat (2003 - 2012)

Year	FHB Index
2012	0.2
2011	0.9
2010	11.8
2009	0.3
2008	0.3
2007	3.3
2006	0.3
2005	14.7
2004	1.3
2003	0.6
10-YEAR AVERAGE	3.4

HOW WELL DID YOUR FALL RYE YIELD

To get a better idea of the needs of fall rye producers we would like to continue to hear from you. How well did your crop do this year? Input from growers will be incorporated into research projects where possible, in order to provide solutions for fall rye production issues. Initial response to our request was impressive - but more is even better Please respond to Jamie.larsen@agr.gc.ca.

Start by knowing your grain's grade

Elwin Hermanson, Canadian Grain Commission

As you get ready to deliver this year's harvest, you may be wondering, "How do I know I'm getting a fair grade for my grain?" The Canadian Grain Commission has two programs that let you know your grade before delivery. As well, you have the right to get a binding decision on grade and dockage if you don't agree with the primary elevator's assessment at delivery.

Know your grain's grade before delivery

The Canadian Grain Commission offers two ways to find out more about your grain's quality, helping you when it comes time to talk to elevator managers and grain dealers.

Harvest Sample Program

This program gives producers a free grade on samples from the current year's crop. Producers can submit samples every fall. If you're not registered, sign up by October 15 to take part in this year's harvest.

Before harvest, the Canadian Grain Commission sends participating producers a personalized kit, including postage-paid envelopes. Producers fill the envelopes with representative grain samples and mail them to the Canadian Grain Commission.

For each sample, Canadian Grain Commission inspectors provide:
Grade and quality results
Protein content for cereal grains and pulses
Oil, protein, chlorophyll content and dockage for canola
Oil and protein content and iodine value for flaxseed
Oil and protein for mustard seed and soybeans

Grade and quality results apply to the sample submitted and not to the entire lot of grain. The Harvest Sample Program can be used for cereal grains, pulses, canola, flaxseed, mustard seed and soybeans.

Submitted sample services

The Canadian Grain Commission's submitted sample services are available to producers year-round. A fee is charged.

With our submitted sample services, producers send a representative sample of their grain to one of the Canadian Grain Commission's service centres for assessment. In return, producers receive a certificate that shows:
Grade (including main degrading reason if relevant)
Dockage
Moisture (if sample is received in a moisture-proof container)

Upon request, a Canadian Grain Commission inspector will also assess protein content for wheat samples. Grade and quality results apply to the sample submitted and not to the entire lot of grain. Submitted sample services can be used for any grain regulated by the Canadian Grain Commission.

Use Subject to Inspector's Grade and Dockage

A producer and a primary elevator operator may disagree on the delivery's grade. When this happens, producers can exercise their right to have a sample sent to the Canadian Grain Commission for a binding decision on grade and dockage. This right is guaranteed under the Canada Grain Act and is referred to as Subject to Inspector's Grade and Dockage.

With this service, a producer asks an elevator operator to send a sample to the Canadian Grain Commission for inspection. A Canadian Grain Commission inspector inspects the sample for grade, dockage and moisture content. Producers may also request an assessment of protein content on wheat samples.

The assessment made by a Canadian Grain Commission inspector is binding. The primary elevator must issue a cash purchase ticket that reflects the Canadian Grain Commission's quality assessment.

Subject to Inspector's Grade and Dockage can be used for any grain regulated by the Canadian Grain Commission delivered to a licensed primary elevator.

Remember: under the *Canada Grain Regulations*, producers (or the person delivering on a producer's behalf) have the right to ask to observe the elevator operator as the operator assesses grade and dockage.

Accurate samples mean accurate results

When you take a representative sample, you ensure that your quality results accurately reflect your grain lot. Our web site has complete instructions for taking a representative sample and details about all of the programs I've described here. Visit www.grainscanada.gc.ca.

THE Cigi REPORT: Mission offers Japan and South Korea insight into CWRW quality for end products

Cigi (Canadian International Grains Institute) carried out a successful technical mission to Japan and South Korea in late May to promote newer varieties of Canada Western Red Winter wheat, according to Esey Assefaw, Cigi's Head of Asian Products and Extrusion Technology.

In the Spring 2013 issue of Winter Cereal Grower, Assefaw described the upcoming Japanese portion of the mission noting that as a quality conscious market, the visit to Japan would be an ideal opportunity to demonstrate quality characteristics of CWRW to key customers who have had limited exposure to this wheat class. Immediately following completion of the Japanese mission, Cigi staff travelled to South Korea to meet with companies there.

"This was an important opportunity for Cigi to provide customers in Japan and South Korea with information they would not otherwise have access to, particularly data about the flour and processing characteristics of specific CWRW (as well as CPSR) varieties," he said recently. "Both countries are familiar with CWRS wheat and Japan knows CWAD, so these missions gave Cigi staff the chance to showcase other Canadian wheat such as CWRW which is well suited to their processing requirements."

Four CWRW samples sourced from different grain companies were analyzed at Cigi for milling, noodle and steamed bread processing, and baking quality. The results were then shared with the eight Japanese and South Korean companies visited by Assefaw, who was accompanied by colleagues from Cigi's milling, baking and analytical services areas.

During the mission emphasis was placed on looking at the qualities of newer Canadian wheat varieties compared to those that the Japanese and Korean companies are using from competitor countries, Assefaw said. This focus resulted in companies showing considerable interest in learning more about the newer varieties and asking for samples to try in their own facilities. Results of their assessments of CWRW flour used in the processing of streamed bread and white salted noodles were positive overall and the data has since been passed on to the Canadian grain companies which provided the samples.

Assefaw said that increasing knowledge and awareness of different Canadian wheat classes is particularly important at this time. Historically, the Japanese government has had exclusive rights over wheat imports and distribution to milling companies. However, anticipated changes to wheat purchasing practices in Japan would see mills purchasing wheat directly. In addition, Canada and Korea are engaged in discussions to complete a free trade agreement between the two countries.

"Each of the companies we met with now has a greater awareness of the newer varieties than they did before," Assefaw said. "This knowledge, coupled with what we are seeing in terms of potential changes in these markets, can help to create new opportunities for Canadian wheat like CWRW."

The Japanese and Korean companies were also updated on the Canadian grain industry following changes to the marketing of western Canadian wheat in 2012. Cigi staff had an op ortunity to discuss the whole value chain including the role of farmers and wheat breeders and emphasized that Canada's commitment to quality remains the same.

For more information on Cigi's market development and program activities please visit their web site at www.cigi.ca/about/.

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