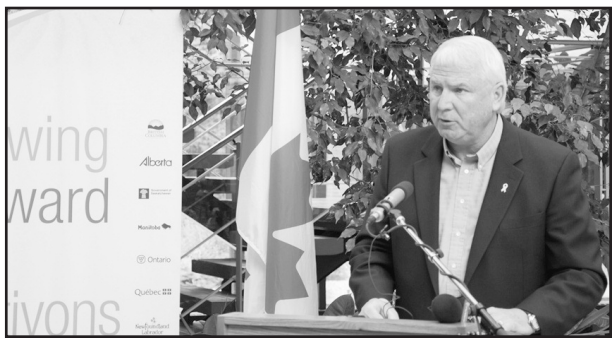
WINTER CEREALS CANADA GROWER

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

ISSUE NO. 42 FALL/WINTER 2010 OFFICIAL NEWSLETTER OF WINTER CEREALS

WINTER WHEAT RESEARCH PROGRAM ANNOUNCED



Rick Casson, Member of Parliament for Lethbridge (left) and Brian Beres, Research Scientist at AAFC Lethbridge, Alberta speak at the July 13, 2010 Winter Wheat Funding media event

On July 13, 2010 AAFC announced a major funding initiative for research into winter wheat agronomy with the co-operation of several winter wheat producer organizations including Winter Cereals Manitoba Inc. and the Saskatchewan Winter Cereals Development Commission. This announcement was the culmination of a co-operative effort between WCMI, SWCDC, the Alberta Winter Wheat Producers Commission and Ducks Unlimited Canada.

To facilitate this unprecedented research opportunity the three producer groups signed on as funding partners with DUC and DUC submitted a proposal on behalf of all three organizations. The four groups will essentially share equally in the non governmental portion of the funding. SWCDC and WCMI will contribute $25,000 per year for three years to support this initiative.

In part the official news release stated *"The Government of Canada is investing in research that will create new opportunities for Canadian wheat farmers. Member of Parliament Rick Casson (Lethbridge), on behalf of Agriculture Minister Gerry Ritz, announced today that Agriculture and Agri-Food Canada (AAFC), in collaboration with Ducks Unlimited Canada (DUC), will invest close to $1.3 million to research the potential of winter wheat for delivering economic and environmental benefits to farmers.*

The investment will support research to address the barriers farmers face in adopting winter wheat, such as its small window for seeding and the risk of winter damage.

DUC will work with AAFC researchers to find ways through alternative seed treatments and strategies to improve plant durability, yields, and profitability of winter wheat. The results will also provide beneficial information for Canadian producers on increasing the efficiency of pest and nutrient management practices.

This project is being funded by the Developing Innovative Agri-Products initiative, which supports industry-led science and technology projects. The initiative is part of the larger Growing Canadian Agri-Innovations Program, a $158 million five-year program that promotes industry-led innovation initiatives that help get new agricultural products into the marketplace and improve agricultural processes."

The project has been divided into two separate sections for clarity of management and results reporting.

A. Overcoming Winter Wheat Adoption Barriers with Improved Integrated Crop Management

The objective of Activity A is to increase the area available to direct seed winter wheat, particularly in short season areas of the western Canadian Prairies, by developing management options for planting winter wheat into non-traditional crop stubbles such as barley grain stubble. Certain stubbles, such as barley stubble, are regularly harvested early enough to seed winter wheat and provide good snow trapping potential. However, other properties associated with these stubbles, including potential seedling disease pressure, competition from volunteers, nitrogen immobilization, and

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CGC ANNOUNCES CDC FALCON TO LEAVE WINTER WHEAT CLASS

A number of winter wheat producers are going to have to make some significant changes in their variety choices over the next 2 years, especially if they reside in Manitoba. After months of discussions between the CWB, CGC and interested producer groups like WCMI and the SWCDC the CGC has announced a significant change in the CWRW eligible variety listing.

The changes involve moving CWRW varieties with lower milling quality traits out of the class and into the new General Purpose Wheat class. The hardest hit producers will be in Manitoba where CDC Falcon is the predominant variety. CDC Falcon does not meet the milling quality requirements established for the CWRW grade, however it represents the most significant variety being dropped into the General Purpose Grade. The scope and basis for the changes are outlined in the following release from the CGC.

As part of our mandate to ensure that Canadian grain is a dependable commodity, the Canadian Grain Commission (CGC) has worked with the Canadian Wheat Board (CWB) to propose changes to Canada Western Red Winter (CWRW) wheat variety classification. Stakeholders from the grain industry, including grain farmers, told the CGC and the CWB that the overall milling quality of the CWRW was inconsistent and that changes were needed to this class.

After consulting with stakeholders, it was decided to: 1) Reclassify some varieties in the Canada Western Red Winter (CWRW) class by moving them into the Canada Western General Purpose (CWGP) class. 2) Change CWRW grade standards.

These changes are intended to: 1) Develop a consistent supply of CWRW with desirable milling qualities 2) Allow CWRW to compete effectively in world markets and 3) Ensure farmers continue to have access to high yielding varieties for the feed and fuel markets

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In This Issue

WINTER WHEAT RESEARCH *(Cont'd.)*

excessive crop residues can lead to significant difficulties in establishing a successful winter wheat crop.

B. Integrated Pest and Nutrient Management Strategies to Promote Health, Growth and Yield Stability in Winter Cereals.

The objectives of Activity B are to a) increase the area available to direct seed winter wheat; b) increase winter wheat yield potential; c) increase yield stability of winter wheat throughout the Prairies; and d) improve the consistency of winter wheat quality for both milling and non-milling markets. This will be accomplished by a series of sub-activities that will focus on various aspects of plant health.

Each of these 2 broad activities have been divided into subsections that further define the research goals and needs of prairie producers.

Activity A:

Sub-activity 1.1 Determine the influence of seed-applied fungicides and insecticides on fall stand establishment and overwinter survival of winter wheat.

Sub-activity 1.2 Improving the success of planting winter what into barley grain stubble.

Sub-activity 1.3 Managing nitrogen when planting winter wheat on barley grain stubble.

Sub-activity 1.4
Crop growth enhancement through improved residue management strategies.

Activity B:

Sub-activity 2.1 The interaction of seed treatments and fall-applied foliar fungicides on winter hardiness and plant health of winter wheat.

Sub-activity 2.2 Integration of microbial control strategies to manage the cereal leaf beetle in winter wheat.

Sub-activity 2.3 Development of algorithms using optical sensors to create yield potential models for integrated nutrient management.

Sub-activity 2.4 Optimizing seed quality and net returns through enhanced N management strategies for milling and general purpose winter wheat production in the Canadian Prairies.

Sub-activity 2.5 The interaction of herbicide selection and timing of application on suppression of Japanese and downy brome in winter wheat.

This research is to be conducted at various locations in western Canada. The AAFC sites listed in the program application are: Lethbridge, Alberta - Brandon, Manitoba - Melfort, Saskatchewan - Lacombe, Alberta - Indian Head, Saskatchewan and Scott, Saskatchewan.

The project is under the overall supervision of Brian Beres of AAFC Lethbridge. In addition there are eight additional scientists involved. Byron Irvine, Randy Kutcher, Kelly Turkington, Guy Lafond, Eric Johnson, John Donovan and Héctor Càrcamo

Watch for updates in future Issues!

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. Two directors will be elected for a two year term ending at the annual General Meeting in January of 2013. One director will be elected for a 1 year term ending in 2012. SWCDC Directors participate in approximately 6 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 22, 210.

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 between August 1, 2008 and July 31, 2010 . 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, 2008.

An election (if required) will be held by mail ballot with election results announced at the Annual General Meeting in Saskatoon, Sk. on January 10, 2011.

October 22, 2010 Nominations Close at 12:00 p.m. (Noon)
November 19, 2010 Ballots mailed if necessary.
December 10, 2010 Last day for ballots to be received.
January 11, 2011, Results announced at SWCDC Annual General Meeting

NOTICE OF ANNUAL GENERAL MEETING

SASKATCHEWAN WINTER CEREALS DEVELOPMENT COMMISSION

JANUARY 10, 2011
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

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, 2008 and not requested a refund are eligible to vote.

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

WINTER CEREALS MANITOBA INC. is the provincially designated representative organization for producers of Winter Wheat in the province of Manitoba.

For information on W.C.M.I , levy enquiries or to become involved with the producer Board of Directors contact the W.C.M.I. business office:

Telephone 204-874-2330, 1-866-874-2330
E-mail jake@wcmi.info, Mail: Box 689, Minnedosa, Manitoba R0J 1E0

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Please Support the Companies that Support Farming in Western Canada

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.

Winter Wheat Model Update

The variety selector and the winter survival models found on the Winter Cereal web site http://www.usask.ca/agriculture/plantsci/winter_cereals/ have been updated to include all the available grain yield data from regional trials and the most recent winter wheat cultivars registered for production in western Canada.

A) The Variety Selector: http://www.usask.ca/agriculture/plantsci/winter_cereals/select.php

The Variety Selector allows for head-to-head grain yield comparisons among varieties/cultivars that have been grown in the same trials. Once you enter the site, you will need to decide whether you are interested in comparisons for the high or low risk rust hazard areas. Then simply click on the Low or High Rust Risk buttons. When the page opens, select a variety you are familiar with from the drop down menu. The selector then takes all the data in all the trials where the other varieties appeared head-to-head in yield trials and calculates an expected grain yield, which is expressed as +/- bushel/acre from the variety you selected in the drop down menu. As a start, select the column in the table that corresponds to the grain yield you expect for a variety that has been grown on your farm or in your area of interest. Only make comparisons with the variety you selected in the drop down menu.

Do not make comparisons among varieties within the table. If you are interested in different comparisons, select another variety from the drop down menu. The N= on the right indicates the number times in which the varieties you are comparing have been grown in the same trial. There has to have been at least 12 trials with head-to-head comparisons before the selector will make its calculations.

If you click on the data output row for each variety in the table, the variety selector gives you a graph of the regression line and the scatter of the yield data points for all the trials in the comparison. All the publically available data from Manitoba, Saskatchewan, Alberta, Montana and North Dakota has been included in the comparisons. Consequently, the selector should be useful for that entire region.

B) Winter Survival Model: http://www.wheatworkers.ca/FowlerSite/winter_cereals/WWModel.php

The winter survival model provides estimates of winter cereal low-temperature tolerance and over winter crop condition for selected locations where weather stations have been located in winter wheat fields to record soil temperature.The model has been developed for use by farmers, extension workers, and researchers interested in estimating winter survival in cereals. Once you enter the site, drop-down crop 'variety' and 'data file' menus offer the choice of a wide range of winter cereal varieties and data files that contain soil temperature records for selected years and locations. The data file menus are expanded when new data becomes available each year. The present data files include examples from Canada (Alberta, Saskatchewan and Manitoba) and Prague, Czech Republic. Soil temperatures for each subsequent year are added as the winter progresses thereby allowing interested users to monitor the predicted condition of the present crop on a regional basis. LT50 and vernalization options also allow the user to expand on these choices and experiment with different values. In addition, a Management Impact Calculator allows users to evaluate the effects of sub-optimal seeding date, seeding depth and phosphorous and nitrogen fertilization on the winter hardiness of crops grown in western Canada.

In the past, the weather stations all required manual downloads and were monitored by University of Saskatchewan, Department of Plant Sciences, WesternAg Innovations Inc., and Ducks Unlimited Canada agrologists. New starting in 2009-10 has been the addition of real-time weather stations that are part of the Canadian Wheat Board WeatherBug® Network.

Comments and suggestions relating to the application and value of these models are welcome and should be emailed to Brian.Fowler@usask.ca

Submitted by Dr, Brian Fowler
University of Saskatchewan

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Winter Cereals Canada Inc.
Box 689,
Minnedosa, Mb.
R0J 1E0
204-874-2257
Fax 204-874-2135
1-866-472-4611

Editor: J. Davidson

CWRW CHANGES *(Cont'd.)*

Current situation: Currently, 13 varieties are registered in the CWRW class. For marketing purposes, the CWB divided these varieties into 2 categories: Select (8 varieties) and Generic (5 varieties). Select: 1) Are higher-quality milling varieties 2) Have at least 11% protein content. 3) Are marketed to domestic and overseas customers for flour milling. Generic: 1) Are high-yielding varieties. 2) Have desirable agronomic qualities (e.g. improved fusarium resistance) 3) Often do not meet quality specifications desired by millers

All new varieties approved for registration in the CWRW class must meet the current quality standard for CWRW.

What are the proposed changes? Effective August 1, 2013: 1)The CWB will not use the Select and Generic categories when marketing CWRW varieties. 2)All of the varieties currently in the Select category will remain eligible for the CWRW class. 3) All of the varieties currently in the Generic category will be reclassified as CWGP varieties.

There is a transition period of at least 3 years before any reclassification to allow farmers and industry to plan accordingly.

The variety CDC Falcon will be re-classified on August 1, 2013, if a new replacement variety with similar agronomic factors is commercially available. The CGC will extend the transition period for CDC Falcon if there are no alternative varieties available on August 1, 2013.

Proposed grade standards change

In the interim, to help farmers and the grain industry manage the quality issues associated with CWRW varieties, the CGC proposes the following grade standards changes to take effect August 1, 2011: 1) Set a minimum grade specification of 11% protein for #1 and #2 CWRW. 2) Create a #3 CWRW grade for deliveries with less than 11% protein 3) Reduce fusarium-damaged kernels (FDK) tolerances

More information about CWRW reclassification are available on the Canadian Grain Commission's web site: www.grainscanada.gc.ca.

WINTER CEREALS MANITOBA INC. NOTICE OF ANNUAL GENERAL MEETING

Location : Greenwood Inn 1715 Wellington Ave. Winnipeg, Manitoba R3H 0N5
Date. March 16, 2010, Time : Registration 9.am, Meeting at 9:30 am.

LEARN ABOUT WINTER WHEAT RESEARCH FUNDED BU WINTER CEREALS MANITOBA INC. AND HOW THE CHANGES TO THE GRADING SYSTEM WILL AFFECT CDC FALCON GROWERS IN MANITOBA PLUS MUCH MORE!

LUNCH PROVIDED. PRE REGISTRATION IS REQUIRED. CONTACT: WINTER CEREALS MANITOBA INC. • 204-874-2330 1-866-472-4611 jake@wcmi.info

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