

Minutes, 2015 Meeting
Cereals Advisory Committee (CAC)
to the
Certification, Foundation Seed and Plant Materials Board

Tuesday, November 10, 2015
Conference Room, Hermiston Ag Research & Extension Center
Hermiston, Oregon
(with participants at remote locations via video conferencing:
Klamath Falls and Corvallis, Oregon, and Pullman, Washington)

Present: Curt Howell, Chair; JW Cope, Vice-chair; Lee von Borstel, Sherman County wheat grower; Greg Hohensee, Mid-Columbia Producers; Kurt Farris, Helena Chemical; Beth White and Trevor Patterson, DuPont Pioneer; Greg Nedrow, Monsanto; Tim Watts and John Tamulonis, WestBred; Robert Zielinski, Jr., Scenic Valley and Eastern Z Farms; John Zielinski, Jr., JBARV Farms; Karen Olstad and Jerry Robinson, Washington State Crop Improvement Association; Jay Noller, Dan Curry, Hannah Kammeyer; Bob Zemetra and Mike Flowers, OSU Dept. of Crop & Soil Science; Sandy Macnab, OSU Extension Sherman County; Dennis Lundeen, Andy Altishin, Tami Brown, Rachel Hankins, Mary Beuthin, John Zielinski and Barry Schrupf, OSU Oregon Seed Certification Service.

Item 1. Call to order, and introductions.

Curt Howell called the meeting to order at 8:30AM; the start had some technical difficulties bringing JW Cope into the meeting from the Klamath Falls location. Those in attendance introduced themselves and gave their respective affiliations. There were three distance-meeting locations joining via video conferencing.

Item 2. Changes/additions to the agenda.

Lee von Borstel requested that if time were available under “Other Business”, he would like to initiate a discussion of kernels/pound. (See Appendix A for the Agenda)

Item 3. Minutes of the 2014 CAC Meeting.

M/S (Bob Zielinski/Lee von Borstel) to approve the minutes of the 2014 meeting as posted on the OSCS website – approved.

Item 4. Certification Board actions regarding CAC 2014 recommendations

The Certification, Foundation Seed and Plant Materials Board met on February 10, 2015 to review and take action on recommendations received from each of the Advisory Committees: Seed Conditioners, Grass & Legume, Cereals, Mint, Potato, and Tree Seed. Lee von Borstel, the CAC representative to, and voting member on the Board, reported on the Board actions regarding two recommendations from the CAC. The Board voted on and passed both recommendations, each pertaining to changes in the CAC Bylaws: (a) to transfer responsibility for appointing a producer/grower from the discontinued Oregon Grains Commission to the

Oregon Wheat Commission, and (b) to establish an advisory committee home for the corn seed producers in the CAC. (See Appendix A for new CAC Bylaws.)

Item 5. Comments from representatives of private breeding programs.

In preparation for this meeting of the CAC, Dennis Lundeen made contact with, and extended invitations to several private cereals breeding companies to participate in Cereals Advisory Committee meeting. John Tamulonis and Tim Watts of WestBred/Monsanto (John covers southern Oregon and California, and Tim, Montana to central Oregon) traveled to Hermiston to join the meeting. Both reviewed their diverse product lines (forage and grain, hard and soft, red and white, winter and spring) and the additions that would be forthcoming in the next year. In response to a question from Dennis Lundeen regarding hybrid wheat, it was indicated that Monsanto did not currently have hybrid wheat to release. During breaks in the morning's meeting there were additional opportunities to visit with seedsmen and seed growers on the committee.

Item 6. Report from the Corn subcommittee.

Greg Nedrow, Monsanto, reported on the first meetings of the Corn subcommittee. A preliminary meeting was held by phone on January 15, 2015 to review the decisions made in the 2014 CAC meeting, and what to expect at the February 10, 2015 Board meeting. The first official meeting of the Corn subcommittee was held by phone on October 29, 2015; participants were Daniel Hancock and Beth White, DuPont Pioneer; Greg Nedrow, Monsanto; Mary Beuthin, Tami Brown, Jeff McMorrان, Dennis Lundeen and Barry Schrupf, Oregon Seed Certification Service. The agenda included confirming a chairperson for the meeting who would also represent the subcommittee at the CAC, review of the Board action to establish the Corn subcommittee within the CAC, review of the past 2015 inspection year and improvements for 2016, and recommendation to adopt a change to corn standards as adopted by Association of Official Seed Certifying Agencies (AOSCA) in its 2015 Annual Meeting:

M/S (Greg Nedrow/Daniel Hancock) to adopt the following from AOSCA:

Where pollen parent border rows are ineffective or missing, effectively shedding pollen parent rows within the field may be used in accordance with Table 1 to determine the isolation distance correction in the seed parent.

(To be inserted in OSCS Corn Certification Standards as item 3e under Section B Isolation from Contaminating Pollen, in Field Standards).

Both Greg and Daniel indicated that this provision did not pertain to their respective company's PNW production. The subcommittee's recommendation was acted upon within the CAC as follows:

M/S (Greg Nedrow/Sandy Macnab) – passed.

The Oregon Seed Certification Service standards for Corn are available at:

<http://seedcert.oregonstate.edu/sites/default/files/standards/field-corn-standards.pdf>

Item 7. Report from the Cereal Variety Advisory Committee (CVAC).

Kurt Farris represents the CAC on the CVAC and reported on the two meetings of that committee on May 15 and August 31, 2015. (See Appendix A for minutes of those meetings.) The earlier meeting dealt primarily with recommended releases from Pat Hayes' barley breeding project, two licensed varieties and one germplasm (seed of which will be sent to the National Seed Repository). Bob Zemetra reported on progress on three soft white winter wheat lines nearing breeder seed increase and five lines that are part of a cooperative agreement with Limagrain Cereal Seeds. In the second meeting, the CVAC voted unanimously to recommend the release of "092" co-developed with Limagrain, to be released with PVP (Title 5; no plant back) and with 50/50 royal split between OSU and Limagrain.

Bob Zemetra provided updates including that Foundation seed of "092" is in the ground and a variety name would soon be determined.

Item 8. When the certification unit is not the entire field.

A guideline entitled "Designating Field Boundaries for Isolation and Excluded Areas" was reviewed by Barry Schrupf, this document is posted on the OSCS website at <http://seedcert.oregonstate.edu/sites/default/files/publications/guidelines/smallgrainsisolation.pdf>

The guideline focuses primarily on the use of spray paint and flagging tape for designating boundaries within a field – techniques that are being used in small grains, but not in other crop types. The guideline is built on a standard within the OSCS general certification standards and applicable to all crops; it reads:

"The certification unit is the entire field. When a portion of a field is to be certified, this portion must be properly identified by a fence, ditch, other crops, mowed strip, or adequate stakes. This boundary is to be approved by the inspector as to its adequacy and may be subject to re-inspection."

M/S (Bob Zielinski/Lee von Borstel) and passed to adopt the following standard to be entered as section E in Small Grains Special Requirements (current E to become F, etc.):

Mechanical separations, genetic isolation zones, and other excluded areas of a seed field must be designated by physical markings placed in the field that are easily observed and readily recognized to be designating a boundary. See also: <http://seedcert.oregonstate.edu/sites/default/files/publications/guidelines/smallgrainsisolation.pdf>

Lee von Borstel suggested that we do spot checks at harvest time to see that the isolation zones and excluded areas were indeed harvested and kept separate from the certified harvest. Lee contended that if we were doing this, then the word would spread quickly that effective oversight was occurring.

Item 9. Preliminary Growers List

Two changes for the distribution and access of/to the information provided in the Preliminary Growers List are planned for the 2016 season; they were described by Barry Schrupf. This publication serves the purpose of providing seed and grain growers with seed sources in time

for fall planting. The publication lists eligible production and source contact information for both public and private varieties. Throughout many years the publication has been printed and mailed in early July. There are two changes planned for the 2016 season:

- (1) Printing and mailing will be discontinued and replaced by posting the same or similar document on the public side of the OSCS website. This posting will be done once in early July.
- (2) For OSCS clients having an email address and PIN for access to OSCS Online Services, there will be a query to access current information regarding eligible production. The query will be by small grain crop-type and variety; for public varieties, the grower name and phone number will be provided, for private varieties, contractor name and phone number.

For the first year of this change, and at the time the report is posted on the website, a letter will be sent to those on the 2015 mailing list to inform them that a paper copy will not be mailed, but is available on the website. Further, if they do not have Internet access, they may phone the Seed Certification office to request a hard copy.

Item 10. Year in review.

Statistics for the past year were presented by John Zielinski (See Appendix A). 2015 set yet another year of records for number of small grain fields and acres applied for certification. John also detailed the final determination for those fields – numbers passed, withdrawn and rejected, and the reasons why. Noted also were the increasing number of late sign-ups – fields being signed up long after the deadline pertaining to the field planting dates. There was interest in the summary of weeds noted in the inspections, with the high number of fields with Cheatgrass attributed to the unusually dry year.

Item 11. Late crop application.

Each year there are a few late crop applications, and often there seems to be legitimate, or at least acceptable reasons for some of those. However, their number is growing and their negative impact on the overall program is also growing. Dennis provided discussion of this topic. By far, the vast majority of applications are submitted on time. This establishes a flow of activities to start the inspection season: number of fields, acres involved, county locations, planting dates, etc. On this basis, plans are made for inspection trips and distribution of staff. When late applications are made, then there is office work occurring when staff have already left for the field, there are delays in the field as crews are asked to inspect fields that were not part of the planned work load, delays mean that crews do not move on to other areas where other growers are expecting them; all in all, late applications are difficult to accommodate, and often if the application is late, then the field markings for isolations and weeds have also not been made – more delays. Late fees do not seem to be sufficient to discourage late applications. There are some provisions in the general standards for refusing to accept late applications, and for charging additional fees for additional costs associated with special trips. Perhaps use of more of these tougher administrative options will be necessary.

Item 12. Election of 2016 vice-chair.

A dealer nominee is needed. M/S (Lee von Borstel/Bob Zielinski) to nominate Kurt Farris as Vice-chair for 2016; the motion passed unanimously. (See Appendix A for 2015 Membership list)

Item 13. Reports.

Department of Crop & Soil Science. The Department is able to hire a new soils pedologist to replace Jay Noller who was promoted to Department Head; the new pedologist will be Dr. Rebecca Lybrand, currently a Postdoctoral Scholar at the University of Arizona. Dr. Lybrand will start at OSU on November 30, 2015. Searches are also underway for an extension soil fertility specialist and slug researcher/extension. Searches are time consuming, and people from private industry always help with this process; their time, insights, perspectives and deliberations are greatly valued by the Department and the University. The Department has also applying to the federal government for approvals to conduct research on industrial hemp.

Seed Service and Seed Lab. The OSU Seed Lab has completed an ISTA audit for continuing its ISTA accreditation. This is particularly important for the grass and legume seed industry. Adriell Garay has announced his retirement at the end of the year. This comes after nineteen years at the helm. An internal search for an interim manager has begun to serve as the University advertises for, and recruits a new Seed Lab manager. Under the leadership of Bob Zemetra, a long unused seed cold storage facility has been retrofitted; target specs are 40 degrees at 20% humidity; Bob gave special credit to Kevin Robb, current Hyslop Farm manager for initiating and managing the retrofit work.

Seed Certification. The OSCS staff has been enhanced with the hire of Tami Brown. Tami comes with sixteen years experience in a private grass seed breeding program; she will take over leadership for the seed stock inspection program, coordination of inspections for the central Oregon area, and assist with providing certification inspections for grasses, corn, potatoes and small grains. She brings knowledge, energy and enthusiasm. OSCS has initiated a web based field mapping program available to growers as they enter new field applications; Curt Howell asked that complete instructions be provided for its use, and Kurt Farris suggested that grower access to a history of their previous fields could avoid having to remake a map and to check field histories. OSCS had been investigating Unmanned Aerial Surveillance (drones) to support field inspection activities. A laboratory in the OSU School of Forestry has FAA approvals for conducting such research, and OSCS has engaged their expertise and special equipment needed for such work.

Washington State Crop Improvement Association. Jerry Robinson provide updates for both the Foundation Seed Project and seed certification. He noted some freeze-out damage and carry-overs in some stocks. Karen Olstad will be taking on more responsibilities in finances, and also in certification of pulse crops.

Item 14. Date and time for 2016 CAC meeting.

JW Cope will be Chair for the 2016 meeting. He expressed preference for a meeting location in central Oregon, perhaps a meeting room at the Madras Airport. JW also encouraged coordination of the date and time with the meeting of Washington State Crop Improvement

Association/Washington North Idaho Seed Association (WSCIA/WNISA) rather than with the Tri-state Grain Growers Convention. JW particularly emphasized the value of the wheat breeder presentations that have been a part of the WSCIA/WNISA meetings. With those guidelines from JW, the CAC secretary will begin to investigate availability of meeting rooms and dates for the 2016 meeting. The Tri-state Grain Growers Convention is planned for Wednesday – Saturday, November 9-12, 2016 in Coeur d’Alene and the WSCIA/WNISA meeting will be Monday and Tuesday, November 14 & 15, 2016 in Spokane. Perhaps the afternoon of Wednesday, November 16, 2016 will be an appropriate date and time for the 2016 CAC meeting in central Oregon.

Item 15. Other Business.

Kernels/pound. Lee von Borstel initiated a discussion of the value to the grower of knowing kernels per pound when setting the drill. Many growers have equipment for more precise seeding and the old rule of thumb that went by pounds per acre are long out of date. Mike Flowers indicated that many of the calls he takes are inquiries about seeds per pound, and Greg Hohensee (MCP) indicated that he orders the seeds per pound test for all their lots because their growers are asking for the data. Companies with private varieties are also requiring that seeds per pound be determined for seed lots of their varieties. The discussion was mostly positive regarding the value of the seeds per pound data and the idea of requiring the test for all certified lots; the exceptions were for seed lots planned for forage mixes, and perhaps for oat seed lots. The discussion lead to the following motion:

M/S (Lee von Borstel/Bob Zielinski): *All Wheat, Barley and Triticale seed lots will be tested for seeds per pound and reported on the OSU Report of Seed Analysis.* Motion passed unanimously.

Dennis Lundeen acknowledged Sandy Macnab’s plans to retire at the end of the year. Sandy has served on the Cereals Advisory Committee for fifteen years and has been a steady and knowledgeable contributor to the committee’s discussions. His friendship and knowledge are appreciated and will be missed. Dennis provided Sandy with a recognition plaque and personal thanks. Sandy acknowledged that the participation has “been good”.

Adjournment. The meeting was adjourned by Curt Howell at 11:27AM.

Respectively submitted,
Barry Schruppf, Secretary, Cereals Advisory Committee
John Zielinski, Coordinator, Small Grains Seed Certification

cc:

Cereals Advisory Committee
Corn seed producers subcommittee
Certification and Foundation Seed and Plant Materials Board
Russ Karow, Executive Director, OSU Agricultural Research Foundation
Scott Reed, Vice Provost for University Outreach and Engagement
Dan Arp, Dean, OSU College of Agricultural Sciences (CAS)
Dan Edge, Associate Dean, OSU College of Agricultural Sciences
Sam Angima, CAS Assistant Dean for Outreach and Engagement
Jay Noller, Head, Department of Crop and Soil Science (CSS), CAS
Robert Zemetra, Leader, Wheat Breeding Project, CSS

Pat Hayes, Leader, Barley Breeding Project, CSS
Dan Curry, Director of OSU Seed Services, CSS
Marvin Kropf, Oregon Feed & Grain Association
Blake Rowe, CEO, Oregon Wheat
Sally Christensen, Oregon Wheat Growers League
Tana Simpson, Associate Administrator, Oregon Wheat
U.S. Wheat Associates West Coast Office
Randy Black, Oregon Department of Agriculture
Victor Shaul, Manager, Seed Inspection Program, Washington Department of Agriculture
Doug Boze, Idaho Crop Improvement Association (ICIA)
Scott Blake, North Area Manager, ICIA
Mick Goff, Southwest Area Manager, ICIA
Kathy Stewart-Williams, Southcentral Area Manager, ICIA
Alan Westra, Southeastern Area Manager, ICIA
David A. Hoadley, University of Idaho Foundation Seed Program
Jerry Robinson, Manager, Washington State Crop Improvement Association and Foundation
Seed Services, (WSCIA)
Karen Olstad, Program Manager, Certification Services, WSCIA
John Palmer, Executive Director, California Crop Improvement Association
Timothy Blank, California Crop Improvement Association
Mike Moore, Manager, Wyoming Seed Certification Service
Extension Crops Agents

Appendix A

CEREALS ADVISORY COMMITTEE

Agenda

Call to Order and introductions (*Curt Howell, Chair*)

Item 1 Welcome to guests (*Dennis Lundeen*)

Item 2 Changes/additions to the agenda (*Curt; refer to page 2*)

Old Business

Item 3 Approval of the 2014 CAC Minutes (*Curt; refer to posted minutes*)

Item 4 2015 Certification Board actions concerning Cereals (*Lee von Borstel; pg. 3*)

New Business

Item 5 Comments from the private cereal breeding programs (*Dennis Lundeen & guests*)

Item 6 Report from the Corn Subcommittee (*Greg Nedrow, pgs. 4-5*)

Item 7 Report from the Cereal Variety Advisory Committee (*Kurt Farris, pgs. 6-9*)

Item 8 When the certification unit is not the entire field – marking boundaries – a guideline and suggested standard (*Barry, pgs. 10-13*)

Item 9 Preliminary Grower's List – recommended changes (*Barry; pg.14*)

Item 10 Small grains certification year in review (*John Zielinski, pgs. 15-16*)

Item 11 Review of 2015 late crop applications & deadlines (*Dennis*)

Item 12 Elections (*Curt; ref. page 17*):
CAC Vice-chair for 2016 (dealer)

Item 13 Reports

(a) Oregon Department of Agriculture. (*Randy Black*)

(b) OSU Department of Crop and Soil Science (*Jay Noller*)

(c) OSU Seed Services (*Dan Curry*)

(e) OSU Seed Lab (*Adriel Garay*)

(f) OSU Seed Certification (*Dennis Lundeen; ref. OSCS Activity Summary*)

(g) Washington State Crop Improvement Association, Washington Foundation Seed Project (*Jerry Robinson, WSCIA*).

Item 14 Date and place for next year's meeting. (*Barry and JW Cope*)

Item 15 Other Business (*Curt*)

Adjourn (*Curt*)

**Cereal Certification and Foundation Seed and
Plant Material Advisory Committee
Bylaws**

Article I. Name and Location

Cereal Certification and Foundation Seed and Plant Material Advisory Committee.

The principal office and place of business shall be in the College of Agricultural Sciences, Oregon State University.

Article II. Objectives

The objectives of the Advisory Committee are set forth as follows:

1. To promote and improve cereal and corn seed by developing high quality seed certification standards.
2. To advise and cooperate with the Oregon State University Certification and Foundation Seed and Plant Material Board by recommending changes to the Board which are in the best interest of the cereal and corn industries of Oregon.
3. To aid in the dissemination of information affecting Oregon cereal and corn growers and dealers by working through their respective organizations.

Article III. Membership

1. The Advisory Committee shall consist of eleven voting members, four of whom shall represent the Oregon cereal producers, three who will represent Oregon cereal dealers and/or processors, one will represent Oregon corn seed producers, one OSU cereal breeder, one OSU extension specialist, and one county agent. The following shall serve as ex-officio members: Crop and Soil Science Department Head, Certification Project Manager, Foundation Project Manager, Seed Laboratory Manager, Oregon Department of Agriculture representative, and such other ex-officio members as the Dean or Committee deem necessary.

2. Representatives of the Committee shall be appointed by the following organizations but not necessarily confined to members.

Oregon Wheat Growers League:

three Producers of which two will have had at least two years experience growing certified seed.

Oregon Wheat Commission:

one Producer/Dealer specializing, at least in part, in minor cereal seed crops.

Oregon Feed & Grain Association:

three Dealers who deal in certified seed

College of Agricultural Sciences (OSU):

one OSU cereal breeder

one OSU cereal extension specialist

one County extension agent

3. In the event one of the groups fails to appoint its designated number of representatives or if a vacancy occurs, the Dean may appoint appropriate representatives.

4. In any given year, those corn seed producers having production entered for certification, shall constitute a subcommittee to the Cereals Advisory Committee, with each producer (seed company) having one voting position on the corn subcommittee. Prior to a scheduled meeting of the Cereals Advisory Committee, the corn subcommittee shall determine if there are changes to the corn standards that need to be put forward. The corn subcommittee members will chose from among their number, one subcommittee representative to the Cereals Advisory Committee, and will have one vote as a Cereals Advisory Committee member.

Article IV. Term of Membership

1. The four producers and three dealer-processors shall be appointed to serve a three-year term. To initiate the [original, nine member] committee the first year, one shall be selected to serve a year, one to serve two years and one to serve three years. Re-appointment for an additional term is permissible but new individuals should be appointed whenever possible.

2. The OSU cereal breeder, extension specialist, and county extension agent shall serve at the Dean's discretion.

3. The corn producer may be appointed each year by the corn subcommittee.

Article V. Officers

1. Officers shall consist of a chairman and a vice-chairman. Each will serve a one-year term. If the first chairman is a producer, the vice chairman will be a dealer. After the first selection, the producer and dealer will be represented as chairman on alternate years. . For the purpose of selecting a Producer and Dealer for alternating terms, the Oregon Wheat Commission appointee will be considered a Dealer, and the Corn subcommittee representative will be considered a Producer
2. The secretary shall be chosen by the Dean and may or may not be a member of the Committee. A secretary for the corn subcommittee shall be appointed by the Seed Certification Manager and may or may not be a member of the subcommittee.

Article VI. Meetings

1. The Committee shall meet periodically and at least once a year.
2. Special meetings may be called by the chairman as is deemed necessary.
3. Meeting notices shall be mailed at least 20 days before each annual meeting and each special meeting. The secretary shall mail notices to each member. Notices of special meeting shall state the nature of the business to be considered.
4. Minutes of each meeting will be forwarded to each appointing organization and each member of the Advisory Committee and Board within two weeks of the meeting date.
5. The voting members present shall constitute a quorum for the transaction of business at any officially called meeting.

Article VII. Amendments

These bylaws may be amended by any officially called meeting by a two-thirds affirmative vote of the voting members, subject to Board approval.

OSU College of Agriculture Cereal Variety Advisory Committee
May 15, 2015
Meeting Minutes

Members Participating Via Email: Larry Curtis, Michael Flowers, Bob Zemetra, Pat Hayes, Shawn Townsend, Chris Mundt, Kurt Farris, Hannah Kammeyer, Craig Reeder, Dale Case, J.W. Cope, Bill Jepsen, Darren Padget, Jim Myers, and Jerry Robinson

Due to time constraints, the 2015 CVAC meeting was held via email. The meeting was initiated on May 1 with voting allowed up to May 15. The following were major items of discussion and action items resulting from the meeting.

Action Items:

- 1) The CVAC unanimously passed a motion to recommend the release of 'Buck' barley as a potential licensed variety with PVP to the OSU Variety Release Committee.**

Pat Hayes presented the release proposal for Buck 6-row winter barley. Buck is a naked (hull-less) food barley with resistance to stripe rust, leaf rust, and scald. Per Pat's recommendation, Buck will be proposed for licensing and PVP. If there is no industry interest, it will be released as an open public release with no PVP.

Pat will submit Buck to the OSU Variety Release Committee.

- 2) The CVAC unanimously passed a motion to recommend the release of BSR-27 barley as a potential licensed variety with PVP to the OSU Variety Release Committee.**

Pat Hayes presented the release proposal for BSR-27 6-row spring barley. BSR-27 is a hooded forage barley with resistance to stripe rust and leaf rust. Per Pat's recommendation, BSR-27 will be proposed for licensing and PVP. Industry (Tri-state seed, OreGro, and Corvallis feed and Seed) has supported the development of BSR-27 in the past.

Pat will submit BSR-27 to the OSU Variety Release Committee

- 3) The CVAC unanimously passed a motion to recommend the release of Fac-Win 6 barley germplasm to the OSU Variety Release Committee.**

Pat Hayes presented the release proposal for the Fac-Win 6 barley germplasm. Fac-Win 6 consists of 296 barley lines, 180 facultative and 116 winter. The Fac-Win 6 barley lines were developed for a graduate student thesis and seed samples will be sent to the national seed repository for use by interested parties.

Pat will submit the Fac-Win 6 barley germplasm to the OSU Variety Release Committee

Discussion Items:

1) Bob Zemetra supplied the CVAC committee with an update on the OSU winter wheat breeding program.

Bob has three (OR 2080641, OR 2090473, and OR 2100940) soft white winter wheat lines with or near breeder seed increase. An additional five (LOR 978, LOR 913, LOR 833, LOR 334, and LOR 092) soft white winter wheat lines are in breeder seed increase. These five lines are part of a cooperative agreement between OSU and Limagrain.

Bob has four (OR 2100081H, OR 2110664, OR 2110679, and OR 2111025) hard white winter wheat lines that are being reviewed for a potential release in the spring of 2016.

Bob also gave a brief update on the status of several hard red winter wheat lines and two-gene Clearfield lines.

OSU College of Agriculture Cereal Variety Advisory Committee
August 31, 2015
Meeting Minutes

Members Present: Larry Curtis, Michael Flowers, Bob Zemetra, Pat Hayes, Hannah Kammeyer, and Chris Mundt

Members Participating Via Conference Call: Kurt Farris, Dale Case, Darren Padget, Craig Reeder, and Greg Hohnsee

Guests: Denis Sather, Jim Peterson, Frank Curtis, and Jeff Holiday

The meeting was called to order at 9:05 am. Several board members joined the meeting via a conference call. The following was the item of discussion and action item resulting from the meeting.

Action Items:

- 4) **The CVAC unanimously passed a motion to recommend the release of ORLD2113092 soft white winter wheat variety co-developed with Limagrain Cereal Seeds as a licensed royalty generating variety with PVP (Title 5; no plant back) to the OSU Variety Release Committee.**

Bob Zemetra presented the 2014-2015 performance data for ORLD2113092. ORLD2113092 is an awned, common soft white winter wheat that has shown high yield potential across a broad range of dryland environments in Oregon, Idaho, and Washington. In addition to high yield, ORLD2113092 has an excellent foliar disease package that includes resistance to the current stripe rust races.

End-use quality of ORLD2113092 was tested by the USDA-ARS Western Wheat Quality Laboratory. ORLD2113092 was equal or better than Tubbs 06 (ORLD2113092 is targeted as a Xerpha, Tubbs, Tubbs 06 replacement) for test weight, protein content, kernel hardness, percent break flour yield, cookie diameter, and sponge cake volume. ORLD2113092 will be evaluated by the Pacific Northwest Wheat Quality Council in 2016.

Bob will submit ORLD2113092 to the OSU Variety Release Committee.

Motion by Zemetra/Hayes.

After meeting Discussion/Actions:

After the meeting several topics were discussed among the Members and Guests present. Out of these discussions a few additional action/informational items were developed.

- 1) Chris Mundt, Pat Hayes, and Denis Sather recommended that additional performance data from trials conducted by Limagrain Cereal Seeds be added to the release proposal prior to submission to the Variety Release Committee (VRC).

Bob will add these additional data prior to submission to the VRC.

- 2) Denis Sather recommended that further detail on the license agreement be included in the release proposal. Specifically he stated that language should be inserted into the release proposal prior to submission to the VRC that states:
 - a. Royalties from ORLD2113092 should be split evenly with 50% going to OSU and 50% going to Limagrain Cereal Seeds.
 - b. That all OSU Seed Suppliers and Limagrain seed associates shall have access to seed of ORLD2113092 following the terms of their agreements with OSU and/or Limagrain Cereal Seeds. For OSU this would be a non-exclusive license agreement with terms similar to the current Clearfield lines and Norwest 553.

Bob will add this recommended language to the release proposal prior to submission to the VRC.

**Summary of Small Grain Inspections
1995 - 2015**

Year	Total Acres signed up for Crop Inspection	Total Number of Fields Signed up for Seedling Inspection	Total Number of Fields Signed up for Crop Inspection
1995	11,814	*	*
1996	10,304	*	*
1997	10,159	*	*
1998	8,803	*	*
1999	9,138	*	*
2000	8,524	*	*
2001	8,165	12	158
2002	12,589	24	228
2003	14,209	45	268
2004	15,106	60	264
2005	14,705	62	237
2006	13,742	66	232
2007	14,521	43	226
2008	17,914	47	309
2009	21,341	61	317
2010	21,115	62	362
2011	23,690	76	358
2012	19,853	83	353
2013	25,639	85	405
2014	25,722	85	393
2015	28,215	71	411
2016			
2017			
2018			
2019			
2020			
2021			
2022			
2023			
2024			
2025			

* Information not available

2015 Small Grain Season Summary

Total Small Grain Acres Signed up for Crop Inspections in 2015 were 28,215

2015 Crop inspections started on 6/22/2015

19 Fields Withdrawn as per grower request prior to seedling or crop inspection

37 Fields signed up for crop inspection after July 9th (of that 37 fields all were late signups, and that was 9% of all fields signed up for crop inspection)

71 Seedling Inspections and of those:

65 Passed

2 Passed on Condition

Reasons: Inadequate Seed Source Documentation

4 Withdrawn as per Grower request before seedling inspection

411 Crop Inspections and of those:

347 Passed

36 Passed on Condition

Reasons: Seed Source Documentation or Eligibility, also Variety and Contractor approval.

28 Fields were rejected

Reasons: Lack of sign-up for re-inspection.
Cereal rye, or Triticale
Jointed goatgrass.
Excessive other Small Grains
Excessive Canada thistle or Field bindweed
Harvested before crop inspection or Reinspection

Fields with specified contaminants:

129	Cheatgrass	23	Red root pigweed	14	Brome
68	Prickly lettuce	21	Barnyard grass	13	Mustard
65	Field Bindweed*	20	Kochia	13	Tarweed
55	Canada thistle*	18	Quackgrass*	12	Wild oat
30	Wild carrot	18	Russian-thistle	9	Bedstraw
27	Annual Ryegrass	17	Sowthistle	4	Jointed goatgrass
24	Lambs-quarter	15	Dogfennel	1	Puncturevine

*Prohibited weeds

Ergot: Four fields had Ergot found during the Crop Inspection.

Cereal Advisory Committee Membership, Annual Meeting 2015

<u>Name</u>	<u>Annual Meetings</u>	<u>Address</u>	<u>Affiliation</u>
JW Cope (530) 667-2275 jcope.winema@cot.net	15, 16, 17 Chair 2011 Vice-Chair, 2015	Winema Elevators, Inc. P.O. Box 516 Merrill, OR 97633	Producer/Dealer (OWC)
Joe McDonald (541) 278-5072 jmcdonald@pggcountry.com	15, 16, 17 Chair 2013	Pendleton Grain Growers P.O. Box 1248 Pendleton, OR 97801	Grower (OWGL)
Jeff Holliday 541-442-5555 Hollidayconsultingllc@gmail.com	15, 16, 17	Holliday Consulting LLC 308 Main St. Rufus, OR 97050	Dealer (OFGA)
Lee von Borstel (541) 604-4983 merlevon2@gmail.com	'14, '15, '16 Chair 2012	56434 von Borstel Road Grass Valley, OR 97029	Grower (OWGL)
Representative to the Board beginning Jan 1, 2013			
Kurt Farris (541) 546-5222 farrisk@helenachemical.com	'14, '15, '16 Chair 2009	Helena Chemical, Inc. PO Box 117 Culver, OR 97734	Dealer (OFGA)
Representative to the Cereals Variety Advisory Committee beginning Jan 1, 2013			
Bob Zielinski (503) 393-4926 scenicvalleyllc@aol.com	'13, '14, '15	Scenic Valley Farms/Eastern Z Farms 12423 River Rd NE Gervais, OR 97026	Grower (OWGL)
Curt Howell (541) 898-7333 6936@eoni.com	'13, '14, '15 Chair, 2015	Oregon Trail Seeds, Inc. P.O. Box 7 North Powder, OR 97867	Dealer (OFGA)
Corn subcommittee			
Greg Nedrow, Monsanto Company (509) 488-0821	'15	2212 SE9th Hermiston OR 97838	Grower, per bylaws
Dan Hancock, Pioneer Hi-Bred Int'l. (541) 567-1860	'15	PO Box M Othello WA 99344	Grower, per bylaws
Sandy Macnab (541) 565-3230 sandy.macnab@oregonstate.edu	Permanent	Sherman County Extension PO Box 385 Moro, OR 97039	County Extension Agent, OSU
Mike Flowers (541) 737-9940 mike.flowers@oregonstate.edu	Permanent	Crop Science Bldg. 225 Corvallis, OR 97331	Extension Cereal Specialist, OSU
Bob Zemetra (541) 737-4278 robert.zemetra@oregonstate.edu	Permanent	Crop Science Bldg. 231 Corvallis, OR 97331	Cereal Breeder, OSU
Randy Black (503) 986-4620 rblack@oda.state.or.us	(ex-officio, non voting)	Oregon Dept. of Agriculture 635 Capitol St. N.E. Salem, OR 97310-0110	Commodity Inspection Division, ODA
Jay Noller (541) 737-2821 jay.noller@oregonstate.edu	(ex-officio, non voting)	Crop Science Bldg. 131 Corvallis, OR 97331	Head, OSU Dept. Crop & Soil Science
Dan Curry (541) 737-5094 daniel.curry@oregonstate.edu	(ex-officio, non voting)	Crop Science Bldg. 351B Corvallis, OR 97331	Director, OSU Seed Services
Adriel Garay (541) 737-4464 adriel.garay@orst.edu	(ex-officio, non voting)	Seed Lab 102A Corvallis, OR 97331	Manager, OSU Seed Laboratory
Dennis Lundeen (541) 737-4513 dennis.lundeen@oscs.orst.edu	(ex-officio, non voting)	Crop Science Bldg. 031 Corvallis, OR 97331	Manager, OSU Seed Certification

Appendix B

Summary of Cereals Advisory Committee Recommendations to the Board

Corn Certification Standards

Where pollen parent border rows are ineffective or missing, effectively shedding pollen parent rows within the field may be used in accordance with Table 1 to determine the isolation distance correction in the seed parent.

(To be inserted in OSCS Corn Certification Standards as item 3e under Section B Isolation from Contaminating Pollen, in Field Standards).

Small Grain Certification Standards

Mechanical separations, genetic isolation zones, and other excluded areas of a seed field must be designated by physical markings placed in the field that are easily observed and readily recognized to be designating a boundary. See also: <http://seedcert.oregonstate.edu/sites/default/files/publications/guidelines/smallgrainsisolation.pdf>

(To be inserted in OSCS Small Grains Certification Standards, Special Requirements, Section E, with current E to become F, etc.)

All Wheat, Barley and Triticale seed lots will be tested for seeds per pound and reported on the OSU Report of Seed Analysis.

(To be inserted in OSCS Small Grains Certification Standards, Seed Standards, in the table heading.)