

OREGON STATE UNIVERSITY
SEED CERTIFICATION, FOUNDATION SEED & PLANT MATERIALS BOARD
MEETING MINUTES
FEBRUARY 10, 2015
LaSells Stewart Center, OSU Campus

Board Members Present¹: Thomas Chastain*, Duane Klundt*, Warren Dole*, Adriel Garay, Barry Schrupf*, Lee von Borstel*, Brian Parker*, Sagar Sathuvalli*, Scott Setniker*, Kim Hummer*, Dan Arp*, Dennis Lundeen, Mike Borman*, Kyle Roerig* (for Andy Hulting), Dan Curry, Jay Noller, Bob Zemetra*, Mike Flowers*, Jeremiah Dung* (via conference phone)

Board Members Absent: Larry Curtis, Bill Braunworth*, Reed Barker*, Rob Lane*²

Guests in Attendance: Lindsay Eng, Missy Fix, Nancy Osterbauer, Dan Hemshorn, Julie Hendrix, Sandy Smith, Terry Burr, John Zielinski, Mary Beuthin, Andy Altishin, Jeff McMorran, Rachel Hankins

INTRODUCTIONS

Dan Curry called the meeting to order at 12:50PM. 15 of 18 voting members present; quorum confirmed.

APPROVAL OF 2015 AGENDA

Jeff McMorran requested to move the Potato agenda to just prior to the GLAC items. A motion was made to approve the agenda with this correction (L. von Borstel/ T. Chastain); all in favor.

APPROVAL OF 2014 MEETING MINUTES

A motion was made to approve the 2014 meeting minutes as written (W. Dole/ D. Klundt); all in favor.

APPROVAL OF BOARD BYLAWS UPDATE

Dan Curry discussed the reasons behind the updates and went through each change individually. As the planning for this meeting began, we recognized that our organizational bylaws had not been updated since 1984, although structural changes have been made since then. Many edits are purely grammatical or reflect changes in the names of the College or positions to bring them current. The targeted updates include:

- 1) In Articles II and III, the Seed Conditioner Advisory Committee and subsequent representative have replaced the Horticulture Advisory Committee, which was never effected.
- 2) In Article III, Extension specialist, Research geneticist, and USDA representative are added to the membership to reflect recent membership attendance.
- 3) Verbiage describing the initiation of the new board was removed, and the coordination and secretarial duties and permissions further described in Articles V and VI.

Points of Discussion and Motions

- The question came up about whether the Horticulture department specialist should be a voting member, since the Horticulture committee is not in effect. There is agreement about the value in the expertise offered by the Horticulture department representative to this group.
A motion was made to change Horticulture specialist from voting member and create a new non-voting ex-officio position for the head of Horticulture department (S. Sathuvalli/ S. Setniker); all in favor.
- T. Chastain mentioned that the Seed technologist position hasn't been filled since 1993. There were suggestions to open the position to outside of OSU faculty; however, that is already done via the SCAC representative position. A. Garay suggested that it would be more useful to have a seed production specialist than a seed technologist. T. Chastain already fills the seed production position.
A motion was made to remove seed tech from the list of OSU membership (M. Flowers/ T. Chastain); all in favor.

¹ *indicates voting membership

² Teleconference issues prevented Reagan Grabner from participating as R. Lane's proxy via conference

- M. Borman and M. Flowers requested clarification of Extension specialist—D. Lundeen described that it is intentionally generic to be less exclusionary in filling the position. Currently Andy Hulting, the Extension Weed Management Specialist, fills the role.
 - Members discussed possible faculty to fill the Mint specialist position —Darrin Walenta and Kelly Vining were suggested as potential members. S. Sathuvalli suggested moving J. Dung to Mint specialist and adding Kenneth Frost as the Plant pathologist. J. Dung was amenable to that suggestion. No motion required.
 - N. Osterbauer suggested adding verbiage that would encourage review of bylaws more frequently (every 5 years for example). D. Klundt suggested that it is already written that the bylaws can be amended and that it would be pertinent to allow things to come up as needed instead of being a requirement.
 - A question came up about why the USDA member has a vote, but the ODA does not. This was carryover from the original bylaws; no reasoning was described or inferred in the text. A motion was made to make the ODA representative position a voting member (B. Schrupf/ D. Klundt); all in favor.
 - It was suggested to remove the Forestry specialist from the OSU members list because the forestry representative has not attended this meeting in recent years, nor had attendance to the Northwest Tree Seed Certifiers meetings. A motion was made to remove Forestry specialist from the list of voting membership (B. Schrupf/ L. Von Borstel); all in favor.
- D. Curry asked for a show of hands to accept the updated bylaws with the above amendments. 15 in favor. None opposed. Motion carried.

REPORTS

COLLEGE OF AGRICULTURAL SCIENCES REPORT

Dean Dan Arp began by thanking the membership for their service on this board and recognized the importance of the work that is done to maintain the integrity and diversity of the seed and plant materials industry, which is reflected in the makeup of the group.

- There have been five administrative changes and appointments over the past year due to retirements: additions of Valtcho Jeliaskov as CBARC Director; Barry Croom as Department Head of Agricultural Education and Agricultural Sciences; Jay Noller as Department Head of Crop and Soil Sciences; Dan Edge as Associate Dean of the College of Agricultural Sciences; and Sam Angima as Assistant Dean of Outreach and Engagement.
- Fifteen positions are in process of being filled throughout CAS in Extension, Experiment Stations, and Education/Teaching, made possible by the increase of student attendance and tuition growth.
- The OSU Capital Campaign came to a close in 2014 at 1.13 billion dollars, with 108 million coming to the College of Agricultural Sciences, placing it as third highest dollar recipient behind the Athletics department and College of Engineering, respectively.
- Roughly 80% of CAS base funding comes from state legislature line items. Last session saw an overall increase of 7%; this year there has been a recommendation for a 3.3% increase, which is not expected to cover College budgeted needs. There is a bill proposed that would increase 16 million statewide for Extension, the Forestry Research lab and Experiment Station, which is being pursued. Overall, the future looks bright with dollar trends expected to go towards Natural Resources and Agriculture in general.

OSU EXTENSION SERVICE REPORT

Mike Borman announced that Sam Angima will be the new assistant dean for Outreach and Engagement beginning next year. Mike will move from his interim position in the dean's office, back into a Range Extension Specialist position in March 2015.

OSU DEPARTMENT OF CROP AND SOIL SCIENCE REPORT

Jay Noller delivered highlights of Crop and Soil Science activities in 2014.

- College of Ag Sciences: The OSU Statewide Programs submitted a \$123M request for 2015-17 legislative funding. The co-chairs of the Joint Ways and Means committee released their framework budget, which

appears to fund the Statewides at the level in the Governor's recommended budget, which is 3.3% higher than the level provided during the current biennium. This will not cover expected increases due to cost of living, benefits and inflation.

- OSU: Oregon State University has bolstered its reputation as one of America's best providers of online education, with its online bachelor's degree programs being ranked fifth in the nation by US News & World report. OSU has begun an initiative to build a \$60M complex to accelerate its forestry education programs and research on advanced wood products.
- Federal Laboratories: ARS proposal to curtail operations at Pendleton was just announced. If the proposal goes forward, obviously research synergy with OSU CBARC would be severely affected.
- Positions: A number of searches are underway for positions within the department: CSS Extension soil fertility specialist; Soil scientist/pedologist; and Assistant/Associate Professor of Agronomy/Soils (previously held by Don Horneck at HAREC). Some new appointment announcements include: Dr. Valtcho Jeliakov as Director of CBARC; Russ Karow is taking over as Executive Director of the OSU Ag Research Foundation in July 2015; Dr. Tracy Wilson was hired into the Plant nutrition and soil management position at COARC on January 19, 2015; and Dr. Ken Frost will be filling the Plant pathologist position at HAREC at the end of this year.
- Industrial Hemp: Russ Karow has been working with the ODA as a member of their hemp advisory committee. No production work has been done in Oregon in over one hundred years. The 1998 OSU guide by Ehrensing is still the most current. An ODA license is required to grow industrial hemp; the regulation for licensing will be in place by Feb 1. As legislation now stands, ODA is the only group that can legally bring hemp seed into the state; and they are working on obtaining the license they need to do this through the US Drug Enforcement Agency. If they are successful in obtaining a permit, then OSU will work with ODA to bring seed into the state for growers. If growers are interested in seed, please contact Russ Karow or Jay Noller. Again there is no guarantee that OSU will be able to obtain seed, but a list of those interested is being compiled and maintained.

OSU HORTICULTURE DEPARTMENT REPORT

No report given.

RECOMMENDATIONS AND ACTION ITEMS FROM ADVISORY COMMITTEES

POTATO ADVISORY COMMITTEE

J. McMorrان gave the report for the PAC and covered the action items, beginning with three items that were discussed but no actions were taken.

- Experimental line selection test program was considered experimental in 2014. Following a report, no opposition was voiced, so the program continues and is now considered permanent.
- PVY testing is not a requirement on winter grow-out materials in Oregon, although it is becoming more common in many other states. A motion was passed to not make it a requirement; thus no change to the current standards, so no action needed by this group.
- Oregon does not have a limit on PVY allowed in greenhouse—no lots are downgraded beyond G5 regardless of the percentage found in the Winter Grow Out readings. No motions were made to change this standard.

Action items:

- 1) Clarification of definition Nuclear and G-1 class isolations: Approve the proposed changes in the isolation requirements for Nuclear and G1 class seed. Specifically that Table 4 "Isolation Requirements" be amended to say the isolation requirements for Nuclear Generation 1 class seed be "300 feet from fields planted with seed higher than G3 class" With a footnote: ie must be isolated from fields using G4 and G5 seed as planting stock.
- 2) Winter Grow-Out requirement for all lots: Require that a Winter Grow-Out be required for all lots, with the exception of seed lots shipped within 90 days of harvest. Currently, the WGO is only required for re-certification.

- 3) Modified tolerances for Calico: Revise Table 5 “Field Tolerances” of the Standards to indicate that the presence of Calico during field inspections would be noted (and % found recorded) but not scored against the seed lot. This specifically affects footnote “g” for “other visual viruses” which would be amended to include “Does not include Calico (Alfalfa Mosaic Virus) which is reported as a percent found, but not scored against the lot.”
- 4) Zebra Chip Tolerances (unchanged): To leave the wording regarding Zebra Chip as they currently appear in the 2014 Potato Standards (including table 7) as they are. No change in standards needed but the current tolerances for Zebra Chip as noted in footnote “a” of Table 7 have never been approved by the PCAC and thus approval was required to leave as-is in the 2015 standards.
- 5) Bacterial Ring Rot Confirmation Testing: To modify the document “OSCS Protocol for BRR Indexing and Confirmation of Diagnosis” to remove all references to IFAS being an acceptable test; replace the phrase “ELISA” with “ELISA or PCR”; and use the HAREC PCR³ protocol definition of what constitutes a positive PCR result. A designated sub-group, as defined in the minutes, will approve final revision to the protocol.

A motion was made to accept these five items as written (B. Parker/ L. von Borstel). N. Osterbauer mentioned a PRC/PCR typo and requested an amendment to the above action item and the Potato Advisory Committee minutes so that all correctly read PCR (in reference to the Polymerase Chain Reaction test). All in favor. Motion carried.

GRASS AND LEGUME ADVISORY COMMITTEE

Brian Parker presented on behalf of the Grass and Legume Advisory Committee (GLAC) meeting items. He began with an update on two items discussed that did not produce action items.

- Certified Hemp production: Following discussion, the approval of certified hemp standards was tabled due to complicated genetics and unknowns about the legalities and politics involved. This item will be revisited as required.
- Annual Ryegrass crop history: The Ryegrass Commission brought a proposal that would further shorten the field history requirements for annual ryegrass, similar to the Establishing Crop History program for perennial ryegrass. Following a subcommittee meeting and another GLAC meeting, it was decided that there is not sufficient information to make a decision about whether this is scientifically sound; the group requested that interested parties seek out growers who would be willing to participate in an experiment to see if this practice is reasonable for certified annual ryegrass production.

Action items:

- 1) Amend the current hybrid sunflower standards to increase the isolation distance from other sunflower fields from 1 mile to 1.25 miles. The distances would bring the standard current with other regional standards. This would also change footnote 1 on page 1 of the standards.⁴
- 2) Amend the current radish standards to remove “Fields of self pollinated varieties.” There are currently no self-pollinating varieties of radish.⁵
- 3) Amend the current buckwheat standards to remove: “Fields that require a seedling inspection must be signed up within 15 days of planting,” “other varieties maximum” and “total other crop including other varieties, maximum.”⁶
- 4) Expanding *Festulolium* standards to accommodate differences in ploidy (2N, 4N, and 6N) with requirements to field history and isolation for the types. Related to this, all the tall fescue, meadow fescue, perennial ryegrass, and annual ryegrass standards also needed to be clarified. Expand the standards for *Festulolium* to create individual standards based on the ploidy of *Festulolium*. The

³ Originally written, “...with ‘ELISA or PRC’; and use the HAREC PRC...”. These minutes reflect the correct version.

⁴ Text on pg.1 item 1; figure GLAC 2 on pg. 8 of the 2014 GLAC meeting minutes.

⁵ Text on pg.2, item 2; figure GLAC 3 on pg. 10 of the 2014 GLAC meeting minutes.

⁶ Text on pg. 3, item 4; figure GLAC 4 on pg. 11 of the 2014 GLAC meeting minutes.

proposal is to create a 2x/4x *Festulolium* standard and a 6x *Festulolium* standard. The creation of these standards requires that adjustments be made in the standards for annual ryegrass, intermediate ryegrass, perennial ryegrass, tall fescue, and meadow fescue.⁷

- 5) Amend the current Utah Sweetvetch standards to remove creeping red fescue from the Group A weed seeds.⁸
- 6) A motion was passed to continue the Early Tagging Program as it is currently operating. The committee will continue to monitor and evaluate the program as it continues.⁹

A motion was made to accept all six items as written (S. Setniker/ T. Chastain). S. Setniker asked how the inspectors would be able to distinguish between all the festulolium types. J. McMorran described that the 6x types look like tall fescues and the 2x/ 4x types look like ryegrasses, and in some ways it simplifies the process with regard to isolations by including the festuloliums.

All in favor; none opposed. Motion carried.

CEREAL ADVISORY COMMITTEE

Lee von Borstel presented the topics discussed by the Cereals Advisory Committee (CAC), both are amendments to the committee bylaws.

Action items:

- 1) CAC bylaws update regarding a producer appointee to the CAC by the Oregon Grains Commission. The Oregon Grains Commission has been discontinued and its responsibilities assumed by the Oregon Wheat Commission. Proposed: replace “Grains” with “Wheat”, and specify “one Producer/Dealer specializing, at least in part, in minor cereal seed crops”.¹⁰
- 2) Advisory committee home for corn seed producers. Corn seed producers were invited to attend the CAC meeting with the intent of exploring ideas for establishing an advisory committee home, at least on a trial basis. Proposed: to include corn members as a corn subcommittee with one vote of the CAC.¹¹

A motion was made to accept both action items as written (L. von Borstel/ B. Parker). Discussion ensued about the difference between secretary and representative. A secretary functions primarily as meeting coordinator and recorder; the representative is an official voting member from the group.

All in favor. Motion carried.

MINT ADVISORY COMMITTEE

Scott Setniker discussed action items brought forth from Mint Advisory Committee.

- 1) Following review in 2013 and 2014, it was deemed pertinent by the group to amend the general land requirements for certified mint rootstock to allow certified mint to follow tissue-cultured strawberries if the ground has been tarp-fumigated.¹²
- 2) Approve a cut-off date for applications to be accepted by adding a line item to Section XII, “Applications submitted after July 31st must be approved by OSCS.”¹³
- 3) Add the phrase “crop is overgrown” as a basis for refusal to approve or inspect.¹⁴

⁷ The proposed standards are figures GLAC SM3 – GLAC SM9 (pgs 28-34 of the 2014 GLAC Supplemental meeting minutes). The text for the initial meeting can be found on pg 3, item 5 of the 2014 GLAC meeting and on pg. 22 in the minutes from the GLAC Supplemental Meeting.

⁸ Text on pg. 21, item 1; figure GLAC SM1 on pg. 24 of the GLAC Supplemental meeting minutes.

⁹ Text on pg. 4, item 7; figure GLAC 7 on pg. 14, 15 of the GLAC meeting minutes.

¹⁰ Applies to Article III Membership in the CAC bylaws. Text found on pg. 9 of the CAC 2014 minutes, agenda item 4.

¹¹ Applies to Articles II, III, IV, and V of the CAC bylaws. Text found on pg. 14 of the CAC 2014 minutes, agenda item 6.

¹² Applies to Sections VII, X, and XI of the Oregon Peppermint and Spearmint Rootstock Certification Standards, pg. 3, 6 and 8.

¹³ Applies to Section VII of the Oregon Peppermint and Spearmint Rootstock Certification Standards, pg. 10. 2015 OSU Seed Certification, Foundation Seed & Plant Materials Board

A motion was made to amend the wording described in item 2 to “Acceptance of applications after July 31st is contingent on approval by OSCS” (S. Setniker/ K. Hummer); all in favor.

A motion was made to accept all three items as written and amended (B. Parker/ M. Flowers); all in favor.
Motion carried.

SEED CONDITIONER ADVISORY COMMITTEE

Warren Dole presented the review of the Seed Conditioner Advisory Committee meeting, noting the discussion of auto-samplers and use of online sample certificates. There was significant discussion at the meeting this year regarding the attachment of OECD tags, due to issues with shipments to Spain.

There is one action item from the SCAC.

- 1) Amend the SCAC bylaws to include the Director of Seed Services, and to modify the Extension position title descriptions.

A motion was made to accept the item as written (W. Dole/ D. Klundt). D. Arp requested to also amend “College of Agriculture” and update it to “College of Agricultural Sciences”. All in favor. Motion carried.

OTHER REPORTS

USDA – NATIONAL CLONAL GERMPLASM REPOSITORY REPORT

Kim Hummer presented the Agricultural Research Service (ARS) report.

- A number of personnel changes are happening as efforts are being made to backfill a number of vacancies resulting from budget problems and sequestration over the last few years. The President has made proposals within the budget to eliminate or consolidate some areas of research—to include closing a few sites of ARS based on priority, the elimination of some specific programs in multiple locations, and resulting in the shuffling around of programs and staff. The National Plant Germplasm is on proposal docket with expectations of continuing to be funded and possibly expanded (along with climate change, small farms, and vertical farming programs).
- She introduced Missy Fix to the group as the new seed manager for the Corvallis site seed laboratory. With her expertise, last year saw a record number of seed and plant materials distributions from their location via the Germplasm Resources Information Network (GRIN) online request system. They expect to request more involvement with certification moving forward to meet requirements of the international seed trade.
- The annual open house for blueberries is Thursday, July 16, 2015. All are welcome to attend take a tour.
- Following a retirement controversy surrounding and intellectual property issues at UC Davis, former OSU faculty member and collaborator Steve Knapp is recently announced as the new strawberry breeder at UC Davis and the Repository there.

OREGON DEPARTMENT OF AGRICULTURE REPORT

Lindsay Eng, Barry Schrumpf, and Nancy Osterbauer delivered the ODA report.

- The west coast port slow down continues to affect seed growers with slow exports. Katy Coba just signed a petition letter with the Ag Transportation Coalition in an effort to help expedite the process through to resolution.
- The industrial hemp ruling process has been finished; there have been two applications recorded so far. Provisions within the new Farm Bill allow state departments of agriculture and universities of higher learning some authority under federal law to handle and import hemp seed for research purposes. This may be a window of opportunity to handle ODA request for presiding over production of industrial hemp. Other states (Colorado and Kentucky) have done this already; setting a possible precedent. Intent is for ODA to import the seed and then pass along to OSU for distribution to growers. The statute will be opened this upcoming legislative session because when it was originally written, it didn't account for uses of the seed other than for increase of production (such as oil extraction).

¹⁴ Applies to Section XV, part B, number 3, of the Oregon Peppermint and Spearmint Rootstock Certification Standards, pg. 11.

- Barry Schrupf reported on the collaborative work being done on the harmonization of state weed lists. Species on weed control quarantine to be included in prohibited or restricted weed lists. All kinds of environments are impacted by these weeds; they represent a threat to various interest groups and having financial and physical impacts on many industries. A working group representing these diverse interests has submitted a proposal currently under review, which will eventually go into a hearings process in the hope of making the lists congruent.
- Nancy Osterbauer mentioned an update for control area rules for Malheur County specifically for beans diseases, adding soybeans and adzuki beans to the regulations. Also, work has been done over the last 6 months with an advisory committee to address the issue of blackleg in cruciferous crops.

OSA REPORT

Duane Klundt reported for the Oregon Seed Association, highlighting some topics that were covered at the 2014 summer and winter meetings.

- OSA is looking into ways to increase the ODA seed dealer's fees in Oregon to provide a regulatory person with overview of the dealers in the industry.
- USDA discrepancies on certified Kentucky 31 tall fescue and associated fines continue to be a topic of interest.
- Issues surrounding phytosanitary requirements were discussed.
- The group has seen increased support in written letters voicing the industry business losses due to ports slow down issues.
- OSA members continue to pursue uniformity in testing and lab standards and fines related to testing in other states.
- The OSA formed a stewardship policy committee three years ago keeping in line with Governor Kitzhaber's "coexistence" policy, and formed a GE task force to address these issues within the membership. Discussion of Roundup Ready tall fescue created a division among membership with recognition of the cost and benefit of technology for the industry, versus private intellectual property rights and the impacts of these materials on the public good.
- Legislatively, the group is currently watching SB 207 the GE Labeling bill pertaining to exports, and an Oregon Grass seed Bargaining Association (OSGA) bill that would require dealers to report production acres.
- The OSA annual summer meeting will be June 26-28, 2015, at the Resort at the Mountain in Welches, Oregon.

FOUNDATION SEED PROGRAMS

Mike Flowers stated that Washington Crop Improvement largely handles the cereals portion of this program.

Dan Curry reported on the remaining portion of the program.

- 2950 lbs of flax seed was sold in October of 2014.
- The College has 700lbs of Owyhee 1 available for sale.
- OSU and ODA are working together to try and ship two industrial hemp varieties from Canada into Oregon early this spring. This seed would only go to growers that have expressed interest and have paid for the seed and shipment in advance. Some issues are still being discussed, such as getting permission from the DEA and ensuring PVP laws will be in effect.

OSU SEED SERVICES: SEED CERTIFICATION AND SEED LABORATORY

Dan Curry provided the Seed Services report.

- The proposed rule change relating to the AOSA calculation of "Other Crop" and reporting fluorescence of perennial ryegrass has not been moved forward. Cited reasons include: fears that the change might encourage some to take advantage of the new system; fears that it would require too much training of major ryegrass customers and may cause confusion within the industry; and it is hoped that a test to replace fluorescence can be found.

- ASTA has formed a committee to address seed lab uniformity, consisting of representatives from AOSA, SCST, AASCO, AOSCA, and ASTA. They met twice in 2014 and established the focus of the group as a committee to provide some sort of governance structure for labs, with the ability to establish working groups for problems in specific technical areas, and hope to develop a long term plan to initiate these changes for all their stakeholders.
- Seed Services is continuing the implementation of the Approved Outsourcing Lab program and search for interested and qualified participants; last year two labs discussed the possibility of participation, but neither completed the requirements. It is hoped to have 1-3 labs able to become part of the program.
- Seed Services is currently involved in four research projects: as a cooperator in a grant application that would research long term rotation of crops in an organic cropping system; as a cooperator with the OSU Autonomous Systems Research Group on campus to determine if unmanned aerial vehicles can be useful in our programs; as a collaborator with a computer scientist to explore the use of computers to identify seeds in the purity testing process; and finally, participating in a diagnostic evaluation (by PCR) that would outline the extent to which this kind of testing could identify and compare genetics and contamination between two varieties of perennial ryegrass.

Dennis Lundeen presented the Oregon Seed Certification Service report. He extended a thank you to everyone attending today's meeting for their time and attendance.

- Certification acres were at a seven-year high of 251,093 acres in 2014, nearer the pre-recession numbers. Annual ryegrass, corn, and other small grains acres are largely credited with strengthening this number.
- He provided a summary overview of the OSCS programs, statistics, and staffing. The OSCS activity summary is available online and provides a full breakdown all of the certification activities by crop, county, and certified acres.
- USDA has increased the accepted OECD lot size for herbage seed lots from 22,000 lbs to 55,000 lbs, with a 5% tolerance.

Adriel Garay gave the OSU Seed Laboratory report.

- The lab is continuing to gradually update purity testing methods. Many methods were conceived as many as 50 years ago and are no longer as efficient or meaningful as some newer methods.
- An upcoming testing proposal relating to TF has industry support from OSA, OSC and the Tall Fescue Commission.
- The lab continues to study annuality and vernality in ryegrass and testing, as more DNA testing methods are developed. Discussion has been focused on short-term improvements to help relieve some of the current pressures on the industry in the meantime.
- OSU Seed Lab had a successful season in 2014; online sample entry increased from 40 to 90% from the previous year; the average turnaround time in purity was four days; and planting and reporting turnaround time was faster due to rule changes that allow ending germination and fluorescence of ryegrasses early based on sample performance.
- High fluorescing perennial ryegrass and turf type annual ryegrass require a 400-seed grow-out test, so it is faster to order that test right away rather than ordering germination and fluorescence first.

OLD/OTHER BUSINESS

Dan Curry recognized Reed Barker (not present) with a certificate of recognition for his 20 years of service to OSCS and the industry. He thanked the certification staff for putting together another successful meeting; and also the members again for volunteering their time and service.

ADJOURNMENT

Motion to adjourn (M. Flowers/ D. Klundt); all in favor.

Meeting adjourned at 3PM.

Minutes prepared by Mary Beuthin, Secretary, February 10, 2015.

All committee meeting minutes and supplementary materials are available online at the OSU Seed Certification website (<http://seedcert.oregonstate.edu/>), or by request.