

29th Annual Seed Conditioners Advisory Committee Meeting

December 6, 2017

Linn County Extension Office

Members Present: Nicole Anderson, Drew Bell, Josh Brawley, Dan Curry, Chris Day, Warren Dole, Andy Gilbert, Rachel Hankins, Dennis Lundeen, Tom Manning, Ruth Martin, Mick McGregor (proxy for Pat McClain), Bill Merrigan, Jay Noller, Dave Stimpson, Sean Vibbert, Darren Wallenta

Members Absent: Mike Coon

Guests Present: Andrew Altishin, Mary Beuthin, Dale Brown, Tami Brown, Terry Burr, Jim Dombrowski, Don Floyd, Mike Hawman, Jodi Keeling, Virginia Lehman, Christy McCarthy, Mike McCarthy, Jeff McMorrان, Barry Schrupf, Dan Weaver

I. Introductions: Warren Dole called the meeting to order at 10:01 AM. Introductions were made.

II. Approval of 2016 minutes: The minutes of the 2016 meeting were approved by Bill Merrigan, and seconded by Sean Vibbert. All in Favor.

III. Update on Accessing Test Reports: Dennis Lundeen explained the question asked last year to add the check box "always cc" for test reports. Bill motioned to put together a committee to study the issue further. Drew Bell seconded.

(a) Discussion:

A subcommittee will be appointed to report back for the board meeting in February. Volunteers for the subcommittee: Mike Coon, Warren Dole, Don Floyd, Mike Hawman, Virginia Lehman, Bill Merrigan, and Mick McGregor. Warren is Chair. OSU Liaison will be Dan Curry. Amended Motion from Bill: A committee of 7 people listed above with Chair, will report back to the Board meeting in February 2018. Sean seconded the amendment. All in Favor of the amended motion.

IV. Automatic Sampler testing: Andrew Altishin outlined the differences in the samples that are out of tolerance. Some are reasonably explained, some are a result of high inert, and some are a result of fluorescence test results not being completed (these are not of concern). The two remaining are both within the normal range that we've seen over the past few years. It was noted that many of the warehouses scheduled for automatic sampler testing were skipped. The program will be shifted in dates next year to encompass those warehouses that typically clean their certified seed outside of the current date window. Dave mentioned that samples that are auto sampled vs. those that are probed behave a little differently. He proposed that we have a statistician take a look at it, and pull out some observations. Andrew volunteered to do a deeper analysis. See attachment for more details.

V. Reports:

(a) Jay Noller - CSS: Dean Dan Arp has announced his retirement. Jay is a member of the 15 person search committee to fill the vacancy. He is open to accepting any names to put in front of the search firm. He will also take direct comments from the public. Crop and Soil science has 9 searches open statewide. Additionally, this year

is the 150th anniversary of the Oregon Agricultural College, also known as Oregon State University.

- (b) Dan Curry - Seed Services: Replacing Dennis is the biggest thing going on right now. Interviews will be conducted next week. The OSU Seed Lab has hired someone to program iPads for data entry. PCR test (BDI) supposed to distinguish Annual ryegrass from Perennial ryegrass. Next, it will go through an ISTA committee. There are varieties from the Valley that are going through the test. If the original test is successful, it will go to an international test to be vetted through labs that are interested in participating (attached report).
- (c) Dennis Lundeen – Seed Certification: Last year at this time we attempted to celebrate our 100 Year Anniversary, however it got thwarted by weather, and we were successful in celebrating in March. Highlighted some additional points (attached report).
- (d) Dave Stimpson – Seed Laboratory: Unlike last year, things are going quite well in the office. The new hires are working out well. Samples will be about the same as last year. The Purity department had two analysts retire/relocate. Two very good analysts stayed on from the summer hires. The analyst supply in the PNW is pretty slim, looking at partnerships to start working with trade schools and community colleges to get some programs together. The Special Testing department is looking at increasing the seed health testing for folks that are shipping their seeds internationally.

VI. Election of Officers: Chris Day Volunteered to be Vice Chair. Bill Nominated Chris Day, Drew seconded. Warren closed nominations. All in favor. Warren will serve as Committee Representative for Board Meeting, Feb 13th.

VII. Next Meeting: Wednesday after Seed League at the Linn County Extension.

VIII. Adjourn: Bill motioned for adjournment, Drew seconded.

OSU Seed Services Update
December 6, 2017

- Dennis Lundeen will be retiring at the end of the month. Jeff McMorran is the search committee chair. The search committee interviewed five candidates by phone and selected three candidates for in-person interviews on December 11th, 12th and 13th. It is hoped that we can install a new Certification manager in place by January.
- The Seed Lab has hired an on-campus group to program iPads to allow electronic entry of testing results into the database. The programmers started last spring and it is hoped that the new data entry process will be in place by the spring of 2018.
- Seed Services is working with the International Seed Testing Association to perform a validation study to verify the ability of a PCR test to distinguish perennial ryegrass from annual ryegrass. It is hoped that the study will be finished by the spring of 2019.

Auto Sampler Review 2017

What do we mean by tolerance?

Tolerance: We are comparing two different submitted samples from different methods from the same seed lot. Using AOSA table 14B, which is designed for comparing two purity test results from two different submitted samples from the same seed lot, we examine the difference from an Official Submitted sample taken from the automatic sampler with a sample drawn from the same seed lot by an OSCS sampler. When the difference in the purity between the testing methods are outside the tolerance for the average of the two purity results, based on the AOSA table, then there may be an issue with the setup and/or operation of the automatic sampler. When samples are found to be way out of tolerance, further investigation is warranted.

2017

Of the 29 samples that were taken this year, 9 or 31% of the samples were out of tolerance. Two of the samples were just barely over the tolerance level and are not a concern. Three of the sample purities were skewed due to the lack of a fluorescence test on ryegrass on the check sample. Two more results that were out of tolerance were Kentucky bluegrass samples that had differing inert levels based on the sample method. Due to the inert allowance in the seed standard for Kentucky bluegrass, the sampling method did not affect the certification status of those lots, even though they were out of tolerance based on our examination. There were two lots that passed certification based on the auto sampler results that would not have passed using the probe results. Of the remaining out of tolerance results, there was only one that was marginally concerning and OSCS will follow up with that warehouse.

Out of the 29 samples, 19 had higher purity results based on the auto sampler method. Six of the out of tolerance samples had a higher purity based on the auto sampler while three had a higher purity based on the probe method.

One thing to note is that there were less warehouses checked this year. Some of this had to do with warehouses not having samples to draw earlier in the season. As such, we will be transitioning the start date in the following years to later in the season to facilitate the checking of these systems.

2017 Automatic Sampler Check Results

Species	Year	Lot size	Original (Auto Sampler) Test			Probe Sample						Allowed		
			Purity	Other Crops	Inert Matter	Weed Seed	Weed Seed	Purity	Other Crops	Inert Matter	Weed Seed		Difference	Average
OG	2017	55000	92.53	0	7.44	0.03	93.12	0	6.87	0.01	-0.59	92.825	Y	
TF	2017	40650	99.81	0.08	0.11	0	99.65	0.09	0.26	0	0.16	99.73	Y	
TF	2017	31200	98.83	0	1.17	0	98.64	0.02	1.34	0	0.19	98.735	Y	
TF	2017	52500	98.81	0	1.19	0	96.21	0	3.77	0.02	2.6	97.51	N	1.1
PR	2017	37744	98.49	0.27	1.24	0	99	0	0.99	0.01	-0.51	98.745	Y	
AR	2017	56000	98.37	1.12	0.42	0.09	99.46	0	0.47	0.07	-1.09	98.915	N	0.78
TF	2017	6500	99.87	0	0.13	0	99.52	0	0.48	0	0.35	99.695	Y	
TF	2017	8000	99.93	0	0.07	0	99.55	0.13	0.32	0	0.38	99.74	Y	
KB	2017	28750	99.07	0	0.93	0	98	0	2	0	1.07	98.535	N	0.86
TF	2017	56000	99.89	0	0.11	0	99.9	0	0.1	0	-0.01	99.895	Y	
TF	2017	55200	99.98	0	0.02	0	99.88	0	0.12	0	0.1	99.93	Y	
PR	2017	21100	98.11	0.83	1.06	0	95.55	0	4.45	0	2.56	96.83	N	1.28
PR	2017	30250	98.22	0.78	0.97	0.03	99.33	0	0.67	0	-1.11	98.775	N	0.78
PR	2017	34450	98.92	0.28	0.8	0	99.13	0	0.87	0	-0.21	99.025	Y	
TF	2017	55000	99.42	0	0.58	0	99.31	0	0.69	0	0.11	99.365	Y	
PR	2017	3400	98.73	0.31	0.87	0.09	99.29	0	0.64	0.07	-0.56	99.01	Y	
PR	2017	39850	99.73	0	0.27	0	99.15	0	0.85	0	0.58	99.44	N	0.56
PR	2017	19050	98.73	0	0.26	0.01	98.56	0	1.44	0	0.17	98.645	Y	
PR	2017	39350	99.48	0	0.52	0	99.32	0	0.68	0	0.16	99.4	Y	
PR	2017	21900	99.44	0	0.56	0	98.94	0	1.06	0	0.5	99.19	Y	
KB	2017	54000	99.12	0	0.88	0	97.1	0	2.9	0	2.02	98.11	N	1
TF	2017	42000	98.94	0.43	0.63	0	98.46	0.56	0.98	0	0.48	98.7	Y	
PR	2017	34000	96.82	0.27	2.91	0	98.55	0	1.45	0	-1.73	97.685	N	1.1
TF	2017	12550	99.41	0	0.57	0.02	99.49	0.1	0.41	0	-0.08	99.45	Y	
TF	2017	56100	99.65	0.15	0.2	0	99.2	0.23	0.57	0	0.45	99.425	Y	
TF	2017	22250	99.78	0.06	0.16	0	99.18	0	0.82	0	0.6	99.48	N	0.56
TF	2017	54000	99.83	0	0.17	0	99.76	0	0.23	0.01	0.07	99.795	Y	
TF	2017	54000	99.4	0	0.6	0	99.04	0	0.96	0	0.36	99.22	Y	
PR	2017	9900	97.39	0.37	2.24	0	97.98	0	2.02	0	-0.59	97.685	Y	
											19	had higher auto sampler purity results		9
											6	of the out of tolerance samples had higher automatic samples		
											31.03%	out of tolerance samples		

KEY

Out of tolerance

Out of tolerance but not a concern

Kentucky bluegrass allowed high inert

Results effected by high differences in Other Crop due to no FL test on check sample



Extension Service

Oregon Seed Certification Service

Oregon State University, 31 Crop Science Bldg., Corvallis, Oregon 97331

T 541-737-4513 | F 541-737-2624

<http://seedcert.oregonstate.edu>

2017 Snapshot of the Oregon Seed Certification Service

Since meeting last year, we had a false start to celebrating our 100th year of the Oregon Seed Certification Service, when our Centennial Celebration scheduled for December 14th, 2016 had to be cancelled due to a snow and ice storm which closed the University, as well as much of the Willamette Valley. The event was later rescheduled for March 24th, 2017. With the weather cooperating, we had a good turnout, and enjoyed seeing many people who had been part of certification a long time. Attendees did not span the entire 100 years time, but several represented at least 50 years or more. With this current year almost behind us, below is a summary of OSCS in 2017.

- Staffing
 - 3 Administrative staff
 - 2 Information Technology staff
 - 1 Systems Manager
 - 1 Software Engineer
 - 8 Seed Certification Specialists
 - 10 Part-time/seasonal Seed Certification Inspectors
 - 4 Fulltime and 4 part-time Seed Certification Samplers
 - 1 Manager & Seed Certification Specialist

- Types of Crops Certified by acreage
 - Grasses 82.42%
 - Tall fescue, Perennial ryegrass, Fine Fescues
 - Cereals 9.89%
 - Wheat & Club Wheat, Barley, Triticale
 - Legumes 4.15%
 - Alfalfa, Red Clover, White Clover
 - Other Crops 3.54%
 - Potato, Corn, Sunflower

- Programs Administered
 - Oregon Certified Seed
 - Part of the Association of Official Seed Certifying Agencies (AOSCA)
 - OECD Certified Seed
 - Administered in Oregon for USDA-AMS

(see page 2)

- Stats for 2017
 - 236,660 acres and 5,445 fields
 - 28 Oregon counties with certified crops
 - 84 different crop types certified, and 1,238 different varieties.
 - Growers: 706
 - Warehouses: 364
 - Contractors: 416

The numbers listed above cover one piece of certification but not the entire picture. As I look back, I see a long history of people interested in maintaining a quality seed program in Oregon, and each person who has taken part in a committee or Board meeting have been the ones to make this happen. From my perspective “rules” in the form of the Federal Seed Act or our local certification standards are just the starting point of a good program. The real effort comes from all of the people, like you, who put extra time into making the whole process work year after year. For me, it has been a joy to work with the people in the Oregon seed industry that value the certification process, and create quality seed that is known around the world. Thank you for the many contributions you have made!