

Grass and Legume Advisory Committee

Schedule and Agenda December 6th, 2023 1:00 PM Linn County Extension Office, Tangent OR

Members Present: Brian Parker, Kevin Osborne, Brett Freeborn, Sam Cable, Terri Burr, Kate Hartnell, Eric Troyer, Kevin Loe, Travis Feigner, Tim Ford, Pete Berry, Nicole Anderson, Darrin Wallenta, Ryan Hayes, Tom Chastain, Dan Curry, Andrew Altishin, David Stimpson, Elizabeth Savory, Craig Agidius (Secretary)

Others Present: Teresa Nicholson, Meagan Freauff, Josh Brawley, Katie LaDuca, Lorinda Hughes, Alex Albion, Tami Brown, Dale Brown, Terry Burr, John Zielinski, Mel Laam, Jodi Keeling, Farhad Shafa, Jeff McMorran

Call to Order (Brian Parker) 1:00 PM

1. Welcome: Introductions.

2. Changes/additions to agenda.

No additions or amendments were made.

3. Approval of Minutes from the 2022 meeting.

The link to the 2022 Minutes was sent out via email in addition to a provided copy at the meeting. All approved the minutes as written with no corrections.

4. Certification Board actions concerning Grass and Legume Committee (Craig)

Craig shared the updates from the Board stating that the motions put forward from the committee were all passed and are listed in the front of the 2023 Seed Certification Handbook.

5. **Item 1** – Update from lab on flow cytometry results – variability of samples (David Stimpson)

Dave Stimpson presented issues encountered in classifying the variability of the flow cytometry test between labs. He mentioned that measures were taken to reduce variability by using controls as a self-check. He noted that there are not enough labs that do the test to come up with an accurate representation of variability. The group had an in-depth discussion regarding methods of how to quantify the variability between lab test results moving forward. It was suggested to bring back the ploidy squash test (counting chromosomes) as a control to determine variability. Terri and Brett shared that they would take the topic to the upcoming OSA meeting to see if they can learn something. They would then present what they learned at next year's GLAC meeting. In addition, Dave stated that he would ask Sabry Elias to write-up a proposal to send to the commissioner to request funding to implement the ploidy squash test. He also mentioned that he would reach out to find a lab that still uses and/or has the knowledge to perform the ploidy squash test. A motion was made to table the topic until next year. It was seconded and passed unanimously.

6. **Item 2** – Introduction and Overview of Virtual Tag (Jodi) Appendix 1

Jodi presented the virtual tag in addition to reasons for its development. She mentioned that virtual tagging is solely meant for seed stock and not for certified generation seed and can be used for anything except small grains. She shared that the ability to create virtual tags through the OSCS website is restricted to contractors only. In third-party situations, the ability to create a VTN is passed to the contractor providing the grower with the seed. She also explained the various processes of how to create a virtual tag number and how growers will use a VTN. Andy added that, under the Federal Seed Act, the virtual tag is only valid in the state of Oregon. Jodi also presented the breeder affidavit stating that it can be used for breeder tags and for cert-to-cert production. She noted that the document would need to be completed and approved before a VTN can be created for a given lot. She closed by explaining the approval process for breeder affidavits.

7. **Item 3** – Seed Source Documentation Requirements – Invoices (Jodi) Appendix 2

Jodi shared that the use of invoices instead of certified tags for seed source eligibility has gotten out of hand in the last few years. She noted that it used to be a rare occurrence that someone would lose all of their certification tags. Andy added that invoicing originally was a multiple step process for seed companies to prove what seed was delivered to the grower in the rare instance where seed tags were lost. Over the years, the invoice drifted away from its intended use. He claimed that OSCS won't be accepting invoices anymore due to the inability to authenticate seed source eligibility. He mentioned that wording changes in the Handbook are needed to eliminate the reference to the invoice noting that the new process moving forward will be a sounder practice. Jodi proposed to remove the sentence referencing invoices in the Handbook: Section IV. A. Application for Field Inspection, 1. She also proposed to add new line items in the Handbook: Section IV. B. Stock Seed, 1. to add verbiage that simplifies how to meet the requirements moving forward. A motion was made to accept the wording changes as presented. An amended motion was made to edit the language in Section IV. B. 1.h. to include the word "variety." The amended motion was seconded and passed unanimously.

8. **Item 4** – *Galium* spp. (Jodi) Appendix 3

Jodi shared that most of our standards either restrict or prohibit bedstraw which presumably would include all of the species in the genus *Galium*. She mentioned that only the common name (bedstraw) is listed in almost all of the standards. She followed up by saying that not all species in the genus include the word "bedstraw" in the common name and that the most common one seen in Oregon is the *Galium aparine* L. which is reported as cleavers. Therefore, depending on the interpretation of the standards, the weed could be considered or not considered as bedstraw. Jodi informed the group that there have been instances where seed lots have been marked as meeting standards when they

shouldn't have due to confusion over the common name listed. Jodi proposed to change all instances of the word "bedstraw" in all of the individual standards to list *Galium* spp. which would be inclusive to everything in that genus. A motion was made to accept the changes as presented. The motion was seconded and passed unanimously.

9. **Item 5** – Active Field Requirement (Tami) Appendix 4

Tami mentioned that we touched on the topic briefly in last year's meeting. She shared that the topic surrounds the idea of not certifying an eligible field for a given year also referred to as "not to be certified this year." She informed the group that growers have the option to use this tool for multiple years in a row. In last year's meeting, it was voted on that OSCS wouldn't accept field history for planting back unless the final year was certified. Tami shared that there are a number of fields in the database that haven't timed out that have not been inspected in years. She noted that not seeing a field in-person for an extended period of time would make it difficult to validate the current stand to the original that was once certified. Tami proposed to add a new line item in the Handbook: Section IV. E. Field Management and Inspection, 1.h. Field Management Prior to Field Inspection, "Fields which are not to be certified for any reason in a crop year, such as flooding or spray errors, must be signed up the following season. Failure to do so will result in the field being removed from the certification system. A one-year extension could be allowed with the approval of the field inspector." Andy mentioned that he brought this topic up during the regional AOSCA meeting last year to see what other agencies are doing. He learned that other states have similar standards in place to cover this issue. Some discussion was had over the verbiage regarding what allows for an extension. A motion was made to accept the addition to the standards as presented. The motion was seconded and passed unanimously.

10. **Item 6** – Turnip crop sign-up update (Andy) Appendix 5

Andy shared that all planted Turnips in the handbook currently have the sign-up deadline listed as April 15th. He mentioned that fall planted turnips could potentially bloom earlier than the sign-up deadline. He noted that this could result in missing an inspection; therefore, the deadline date has been changed to March 15th. He shared that the date change is more of an administrative one as it is to ensure that we don't miss a seedling inspection and so that we know the field exists. He closed stating that the change has already been made in the database to represent the new deadline.

11. **Item 7** – Creeping Bentgrass seedling sign-up deadline (Tami B.) Appendix 6

Tami shared an issue surrounding Creeping Bentgrass fields that that were signed up on time but after row closure. She noted that closed rows would make it difficult or impossible to do an adequate seedling inspection. Tami proposed an update to the Creeping Bentgrass standards to state that the application must be submitted within 60 days of planting (or earlier if row closure is expected to occur rapidly). Various wording options were presented by different members to cover the issue. Members of the committee decided that this issue would apply to other species

of grasses as well, so it should be stated in an area that blankets all creeping grasses. A motion was made to add “inability to discern rows (for seedling inspections only)” to Section IV. E. 1.d. of the General Standards in the Handbook. The motion was seconded and passed unanimously. A second motion was made to add, “or prior to row closure to allow for seedling inspection to occur” to the Creeping Bentgrass standards to give reference to the first motion. The motion was seconded and passed unanimously.

12. Item 8 – Review and update field history statement for Chicory (Tami B.) Appendix 7

Tami shared that the Chicory Standards were updated last year but some items were left unaddressed. The Chicory Standard doesn't currently refer to registered seed for field history. Tami mentioned that the standards used to include registered seed for chicory when first introduced but were removed in later years. The standards in place were borrowed from Minnesota and New Zealand as AOSCA doesn't have standards for chicory. Tami proposed to add Registered seed back to the standards. In addition, Tami informed the group of a problematic sentence in the standards that allows for six harvest years from the original stand. Tami mentioned that our certification program is setup for breeders to define the life of stand. Thus, making the sentence a future conflict. A motion was made and seconded to remove the sentence, “Fields planted to produce classes of Foundation or Certified seed may be harvested over a seven year period after the original planting date (one year of seeding and 6 years of harvest)” from the Chicory Standards, it was passed unanimously. Brian made a comment on Chicory being a hard volunteer to control and that 5 years may not be enough. The group discussed field history requirements for registered Chicory seed and how it aligned with Minnesota and New Zealand standards. Another motion was made to add Registered seed to field history in the Chicory Standards as presented. The motion was seconded and passed unanimously.

13. Item 9 – Add St. Johnswort to the prohibited weeds list (Tami B.) Appendix 8

Tami shared that we have two prohibited weeds that are not on our Weeds Prohibited in All Certified Seed list in the Handbook. One of the weeds is bedstraw and the other is St. Johnswort. St. Johnswort is restricted and is not allowed in certified seed for most of our crops except bentgrass. Andy mentioned that a weed list from AOSCA and an Oregon Statute make up the majority of the contents for the Weeds Prohibited list on pg. 8 of the Handbook. Andy shared that he speculates St. Johnswort came up a long time ago to be added to this list and bentgrass growers disagreed. He presented data showing that 6,625 bentgrass samples have been sent into the seed lab since our database was created, only 4 of those samples were cause for rejection due to the presence of St. Johnswort. A proposal was made to add St. Johnswort to the Weeds Prohibited in All Certified Seed list on pg. 8 of the Handbook and to remove from all individual standards listing it. A motion was made to accept the changes as presented. The motion was seconded and passed unanimously.

14. **Item 10** – Seedling sign-up fee structure (Andy A.)

Andy shared that the current tiered late fee is going away as it doesn't make sense. This change was made to small grains a few years ago to eliminate tiered late fees and it has worked out well. The fees will be applied for on-time and late sign-ups only without the tiered late-fee structure.

15. Reports:

- a. College of Agriculture/Crop and Soil Science Department (Tom Chastain) Appendix 9
Thomas Chastain presented an Update about CSS personnel changes as well as news regarding Dr. Lauren Gwin becoming the Director of the Center for Small Farms and Community Food Systems.
- b. OSU Seed Services (Dan Curry) Appendix 10
Dan C. presented The Seed Services report including an update on the Gulf annual ryegrass and KY-31 tall fescue projects, an update on the PCR test to determine perennial ryegrass from annual ryegrass, and a team of researchers that are working to develop a prototype machine that could sort off-type seed from pure grass seed.
- c. Oregon Seed Certification Service (Andy Altishin) Appendix 11
Andy presented his report highlighting the certified acres by crop for the 2023 season, noting that there was an overall drop in acres from last season. He shared that Jeff McMorran and Chris Wallace will be officially retiring soon in addition to John Zielinski retiring to a half-time appointment. He followed up with an update regarding samplers for the Yamhill/Polk/Washington and Union/Umatilla counties.
- d. Oregon State Seed Laboratory (Dave Stimpson) Appendix 12
Dave shared an update regarding the ISTA Audit scheduled for some time in 2024. He mentioned that the office experienced complete turnover this season which influenced internal promotions to existing staff. In addition, he shared that he hired three pre-picker analysts that are still with the lab currently. Dave reviewed total sample numbers for the 2023 season noting that overall, the seed lab was down by roughly 1500 samples. He added that the seed lab has been accepting some out-of-state samples to help fill the slower times of the season.
- e. Oregon Department of Agriculture (Elizabeth Savory) Appendix 13
Elizabeth shared some ODA personnel changes. She followed up with briefly reviewing the seed export stats for 2023. She also shared that the ODA plant health lab will be moving to the north valley complex in Wilsonville, Oregon January of 2024. She noted that Seed Services will be minimally affected during the move.

16. Elect 2024 Vice-chairman from Grower representatives who would then become committee chair and ex-officio member of SCAC in 2025.

Kevin Loe was nominated to be vice-chair next year. It was quickly moved and seconded to accept Kevin.

17. Elect a representative to report to the 2024 Board Meeting on February 7th, 2024.

Terri Burr volunteered to be the representative to the Board.

18. Select date and time of next annual meeting.

The group unanimously agreed to the day after Seed Growers League at the Linn County Extension Office in 2024.

19. Adjourn.

Respectfully Submitted,

Craig Agidius

Enclosures:

Appendix 1: Virtual Tag Certificate

Appendix 2: Section IV. Production of Certified Seed, A and B.

Appendix 3: *Galium* spp.

Appendix 4: Section IV. E. Field Management and Inspection, 1.h.

Appendix 5: Turnip Standards

Appendix 6: Section IV. E. Field Management and Inspection, 1.d. and Creeping Bentgrass Standards

Appendix 7: Chicory Standards

Appendix 8: Section V. Weeds Prohibited in All Oregon Certified Seed

Appendix 9: OSU Update

Appendix 10: OSU Seed Services Update

Appendix 11: OSCS Update

Appendix 12: OSU Seed Lab Update

Appendix 13: ODA Update

CC:

Staci Simonich, Dean, College of Agricultural Sciences, OSU

Bryan Ostlund, Executive Director, Oregon Seed Growers League

Dustin Withee, President, Oregon Seed Association

Action Items for the Board

2023 Grass and Legume Advisory Committee

1. Update Seed Source Documentation requirements to eliminate the use of invoices in the place of tags and to add verbiage that simplifies how to meet the requirements moving forward.
2. Update all instances of “bedstraw” in individual standards to “*Galium* spp.”
3. Add new line item to Handbook: Section IV. E. Field Management and Inspection, 1.h. Field Management Prior to Field Inspection, “Fields which are not to be certified for any reason in a crop year, such as flooding or spray errors, must be signed up the following season. Failure to do so will result in the field being removed from the certification system. A one-year extension could be allowed with the approval of the field inspector.”
4. Update wording in Handbook: Section IV. E. Field Management and Inspection, 1.d. Field Management Prior to Field Inspection, “The certification inspector may refuse to approve a field for certification due to unsatisfactory appearance due to weeds, insufficient growth, inadequate stand, disease, insect damage, inability to discern rows (for seedling inspection only), and/or any condition that prevents thorough inspection or that may reflect unfavorably upon the certification program.”
5. Update Creeping Bentgrass Standards in Handbook. Reiterate the changes of Action Item 4, “The seedling application must be submitted within 60 days of planting, or prior to row closure to allow for seedling inspection to occur, and a seed crop application must be submitted by April 15th of each year in which seed is produced.”
6. Update Chicory Standards in Handbook to add Registered Seed back to field history and to remove the section stating, “Fields planted to produce classes of Foundation or Certified seed may be harvested over a seven-year period after the original planting date (one year of seedling and six harvests).”
7. Add St. Johnswort to Section V. Weeds Prohibited in All Oregon Certified Seed.

Oregon Seed Certification Service
31 Crop Science Bldg.
Corvallis, Oregon 97331
Phone: 541-737-4513
seedcert@oregonstate.edu
<https://seedcert.oregonstate.edu>

VIRTUAL TAG CERTIFICATE
Approved Seed Source

* * * VALID ONLY IN OREGON * * *



Oregon State
University

Virtual Tag Number: VTN-2579216

Note: A signed copy of this certificate **MUST** accompany the seed.

Contractor	Joe, The User	Status	Issued
Test Number	9999	Variety	Wondervar
Lot Number	SL-23-1	Crop	Tall fescue
Generation	Foundation	Bags	10
Crop Year	2023	Weight (lbs.)	500
Grower / Remarks	Someone Else		

DISCLAIMER OF WARRANTY

The seed documented on this certificate is from a seed lot and field(s) which was produced, conditioned, and inspected in accordance with the regulations of the Oregon Seed Certification Service (OSCS), the officially designated seed certification agency in the State of Oregon. OSCS makes no warranty of any kind, expressed or implied, including merchantability, fitness for purpose, or otherwise, which extends beyond the certification that the inspected seed met the regulations of the agency. The contractor whose name appears on this certificate is solely responsible for the information thereon and for its proper use. This certificate is issued in lieu of physical seed stock tags **ONLY** for the purpose of planting Certified fields in Oregon.

This certificate is **NOT** valid for shipping seed to other states or countries.

NOTICE TO GROWER

You will need the Virtual Tag Number (VTN) on this document to enter as the Seed Source Lot Number if you wish to certify field(s) planted with this seed. You do not have to mail in any paperwork when submitting Field Application for Certification if you use VTN in lieu of physical tags, map your field online, and pay with credit card.

16000

Authorized Contractor's Signature: _____ Date: 03-28-2023

FOUNDATION SEED

Wondervar
Tall fescue



SL-23-1

VTN-2579216

MEMBER OF ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES

Oregon Seed Certification Service
 31 Crop Science Bldg.
 Corvallis, Oregon 97331
 Phone: 541-737-4513
 seedcert@oregonstate.edu
 https://seedcert.oregonstate.edu

BREEDER AFFIDAVIT Pending Source Approval

* * * VALID ONLY IN OREGON * * *



**Oregon State
 University**

Breeder Affidavit Number: 24

Contractor	Joe, The User	Status	Pending Approval
Breeder	Mr Breeder	Crop	Tall fescue
Lot Number	LOT-1-2	Variety	Greatvar
Generation	Breeder Seed	Bags	10
Delivery Date	2023-03-15	Weight (lbs.)	500

NOTICE TO BREEDER

Please read, verify, and sign this affidavit and return it to the contractor listed above. You may also email it directly to the Seed Certification office at oscs-seedstock@oregonstate.edu. Seed from this lot is not eligible for Certification until OSCS receives and approves this affidavit.

NOTICE TO CONTRACTOR

For Breeder seed and Certified to Certified seed production, you will need the Breeder Affidavit Number (BAN) on this document to create Virtual Tags if you wish field(s) planted with this seed to be Certified. Upon receiving this document from the breeder, please forward it to oscs-seedstock@oregonstate.edu as soon as possible so that Virtual Tags associated with this Breeder Affidavit Number can be approved. Failing to do so will result in rejection of field(s) planted with this seed for Certification.

Authorized Breeder's Signature: _____ Date: _____

Oregon Seed Certification Service
 31 Crop Science Bldg.
 Corvallis, Oregon 97331
 Phone: 541-737-4513
 seedcert@oregonstate.edu
 https://seedcert.oregonstate.edu

**BREEDER AFFIDAVIT
 Pending Source Approval**

* * * VALID ONLY IN OREGON * * *



**Oregon State
 University**

Breeder Affidavit Number: 25

Contractor	Joe, The User	Status	Pending Approval
Breeder	Certified Breeder	Crop	Tall fescue
Lot Number	SL-23-1	Variety	Wondervar
Test Number	9999	Planting Year	2023
Generation	Certified to Certified	Bags	15
Delivery Date	2023-03-28	Weight (lbs.)	750

NOTICE TO BREEDER

Please read, verify, and sign this affidavit and return it to the contractor listed above. You may also email it directly to the Seed Certification office at oscs-seedstock@oregonstate.edu. Seed from this lot is not eligible for Certification until OSCS receives and approves this affidavit.

NOTICE TO CONTRACTOR

For Breeder seed and Certified to Certified seed production, you will need the Breeder Affidavit Number (BAN) on this document to create Virtual Tags if you wish field(s) planted with this seed to be Certified. Upon receiving this document from the breeder, please forward it to oscs-seedstock@oregonstate.edu as soon as possible so that Virtual Tags associated with this Breeder Affidavit Number can be approved. Failing to do so will result in rejection of field(s) planted with this seed for Certification.

14000

Authorized Breeder's Signature: _____ Date: _____

Oregon Seed Certification Service
31 Crop Science Bldg.
Corvallis, Oregon 97331
Phone: 541-737-4513
seedcert@oregonstate.edu
<https://seedcert.oregonstate.edu>

VIRTUAL TAG CERTIFICATE Pending Source Approval

* * * VALID ONLY IN OREGON * * *



**Oregon State
University**

Virtual Tag Number: VTN-1885221

Note: A signed copy of this certificate **MUST** accompany the seed.

Contractor	Joe, The User	Status	Pending Approval
Test Number	9999 / BA:25	Variety	Wondervar
Lot Number	SL-23-1	Crop	Tall fescue
Generation	Certified to Certified	Bags	5
Planting Year	2023	Weight (lbs.)	250
Grower / Remarks	no sample		

DISCLAIMER OF WARRANTY

The seed documented on this certificate is from a seed lot and field(s) which was produced, conditioned, and inspected in accordance with the regulations of the Oregon Seed Certification Service (OSCS), the officially designated seed certification agency in the State of Oregon. OSCS makes no warranty of any kind, expressed or implied, including merchantability, fitness for purpose, or otherwise, which extends beyond the certification that the inspected seed met the regulations of the agency. The contractor whose name appears on this certificate is solely responsible for the information thereon and for its proper use. This certificate is issued in lieu of physical seed stock tags **ONLY** for the purpose of planting Certified fields in Oregon.

This certificate is **NOT** valid for shipping seed to other states or countries.

NOTICE TO GROWER

You will need the Virtual Tag Number (VTN) on this document to enter as the Seed Source Lot Number if you wish to certify field(s) planted with this seed. You do not have to mail in any paperwork when submitting Field Application for Certification if you use VTN in lieu of physical tags, map your field online, and pay with credit card.

500

Authorized Contractor's Signature: _____ Date: 03-28-2023

CERTIFIED SEED

**Wondervar
Tall fescue**



SL-23-1

VTN-1885221

MEMBER OF ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES

Item 3: Seed Source Documentation

IV. Production of Certified Seed

A. Application for Field Inspection

1. Application for field inspection serves as notification, registration, and as an agreement to abide by all rules and regulations governing certification in Oregon.

~~Where application for certification is made in the name of someone other than the individual or organization that is physically doing the farming, a copy of the planting stock invoice must be provided in addition to all certification tags at sign-up (invoice to include name of farmer, variety and crop, poundage, lot number, generation and date of invoice).~~

Inspections of certified fields are of two types, seedling and seed crop. Inspection of some annual crops combines aspects of both seedling and seed crop.

A standard field number system will be year of planting followed by a hyphen and up to three ~~digits~~ numbers thereafter. No letters can be accepted.

2. Seedling application and inspections are to be made on all perennial grass, annual ryegrass, perennial legumes, and on all OECD crops. An inspection will be made at planting time on vegetatively propagated grasses. An adequate map must accompany the seedling inspection form and must include a detailed boundary of the area to be inspected. Applicants are strongly advised to utilize the OSCS online mapping system when preparing the initial field application.

A seedling field will be checked for eligibility of Stock Seed, adherence to Land Requirements, potential Isolation problems, presence of Prohibited Weeds, Field Management, and Location.

Application for seedling inspection must be submitted immediately after planting. Each crop has deadlines for applying for seedling and crop inspections; check with the Certification Office for specific deadlines. ~~All of the stock seed tags from seed used for planting should accompany the seedling application; see Small Grain Seed Standards for requirements specific to these crops.~~ In case of a thin stand or stand failure, the seedling application and inspection may serve as a record to substantiate declared land history and variety seeded for reseeding qualifications.

3. Seed Crop Application and Inspection: The grower must apply for a seed crop inspection before the specified deadline each year if a certified seed crop is to be harvested. A seed field will be checked for eligibility (having a prior seedling inspection, or if an annual, stock seed and land requirement eligibility), potential Isolation problems, presence of Prohibited Weeds, and Field Management. A field will be checked for compliance with individual field standards listed for the crop and items listed in the Handbook.

B. Stock Seed

1. The grower must plant eligible varieties of the proper class or generation. Documentary evidence of the seed source ~~(such as certification tag, sales record, etc.)~~ must be furnished when applying for certification as follows. Virtual tags for private varieties must be furnished by the contractor. See Small Grain Seed Standards for requirements specific to these crops.

- a. Physical tags present: All planting stock tags are to accompany seedling applications. Breeder tags must be signed by the breeder or their representative.
- b. Physical tags not available, breeder seed: breeder affidavit and virtual tag number (VTN)
- c. Physical tags not available, Oregon certified seed: virtual tag number (VTN)
- d. Physical tags not available, seed certified in another state: letter or transfer certificate from the certifying agency stating at least the **variety**, generation, and lot number, and a sales record or similar showing the grower, lot number, and number of pounds
- e. Physical tags not available, OECD: formal multiplication agreement must be sent from the Designated Authority of the country of origin to the U.S. Designated Authority (USDA-AMS)
- f. Request for Certified-to-Certified production: breeder affidavit and virtual tag number (VTN)

Item 4: *Galium* spp.

Most standards either restrict or prohibit bedstraw, presumably all species in the genus *Galium*. In most cases, only the common name is listed on the standard.

No vetch is allowed in other crops (determined on 500 g.)
⁴ None of the prohibited weeds listed in Section V in the OSCS Handbook, nor any bedstraw, buckhorn plantain, docks, dogfennel, sheep sorrel, or St. Johnswort, is allowed in any class of Certified seed. Immature and/or mature seeds of the weeds referenced or listed in this

The problem is that not all species in the genus *Galium* include the word “bedstraw” in their common name. For example, *Galium aparine* is reported as cleavers, and *Galium spurium* is reported as false cleavers.

<i>Galium aparine</i> L.	cleavers; galium
<i>Galium asprellum</i> Michx.	bedstraw, rough
<i>Galium boreale</i> L.	bedstraw, northern
<i>Galium mollugo</i> L.	bedstraw, white; madder, wild
<i>Galium odoratum</i> (L.) Scop.	woodruff, sweet
<i>Galium</i> spp.	bedstraw
<i>Galium spurium</i> L.	cleavers
<i>Galium tricornute</i> Stokes, pro parte = <i>Galium tricornutum</i> Dandy	
<i>Galium tricornutum</i> Dandy	bedstraw, corn; bedstraw, three-horn
<i>Galium verrucosum</i> Huds.	bedstraw, warty

Depending on the interpretation of the standard, sometimes these are correctly considered as bedstraw when evaluating a seed test, and sometimes not. Seed lots for species in which bedstraw is prohibited or restricted have been tag eligible when they should not be. For example, bedstraw is prohibited in this crop but the test was evaluated as meeting standards simply because of the common name issue.

<p>OTHER CROP SEED:</p> <p>None Found</p> <p>INERT MATTER: Stems, chaff, soil, broken seeds.</p> <p>WEED SEED:</p>	<p>All States and Federal NOXIOUS WEED SEEDS 500.7 GMS. ANALYZED (Except Hawaii, Undesirable Grass Seeds, Orobanche spp., & Striga spp.) 4 Cleavers (<i>Galium aparine</i>) 4 / lb. (Based on 500.7 grams) (0.01% Based on 101.1 grams)</p> <p>OTHER DETERMINATIONS: Meets OSCS purity standard Certified standards applied by OSCS to seed quality results and sample eligibility determine final certification approval.</p>
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Proposal: change all instances of “bedstraw” in individual standards to “*Galium* spp.”

Example:

¹ Includes off-type plants.
² See Section IV, D in the OSCS Handbook.
³ An OSU Seed Lab Orobanche exam is required if small broomrape is found in a certification field inspection. Two samples are to be submitted in separate containers: one for the Orobanche exam, the other for standard purity and viability testing.
⁴ The presence of dodder is not allowed in any class of seed. See Section IX, D4 in the OSCS Handbook.
⁵ None of the prohibited weeds listed in Section V in the OSCS Handbook, nor any St. Johnswort or small broomrape allowed in any class of seed.
⁶ GROUP A – buckhorn plantain, docks, sheep sorrel, wild carrot, giant bristlegress (foxtail) and *Galium* spp.

Item 3: Seed Source Documenta1on

IV. Production of Certified Seed A. Application for Field Inspection

1. Application for field inspection serves as notification, registration, and as an agreement to abide by all rules and regulations governing certification in Oregon.

~~Where application for certification is made in the name of someone other than the individual or organization that is physically doing the farming, a copy of the planting stock invoice must be provided in addition to all certification tags at sign-up (invoice to include name of farmer, variety and crop, poundage, lot number, generation and date of invoice).~~

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A seedling field will be checked for eligibility of Stock Seed, adherence to Land Requirements, potential Isolation problems, presence of Prohibited Weeds, Field Management, and Location.

Application for seedling inspection must be submitted immediately after planting. Each crop has deadlines for applying for seedling and crop inspections; check with the Certification Office for specific deadlines. ~~All of the stock seed tags from seed used for planting should accompany the seedling application; see Small Grain Seed Standards for requirements specific to these crops.~~ In case of a thin stand or stand failure, the seedling application and inspection may serve as a record to substantiate declared land history and variety seeded for reseeding qualifications.

3. Seed Crop Application and Inspection: The grower must apply for a seed crop inspection before the specified deadline each year if a certified seed crop is to be harvested. A seed field will be checked for eligibility (having a prior seedling inspection, or if an annual, stock seed and land requirement eligibility), potential Isolation problems, presence of Prohibited Weeds, and Field Management. A field will be checked for compliance with individual field standards listed for the crop and items listed in the Handbook.

B. Stock Seed

1. The grower must plant eligible varieties of the proper class or generation. Documentary evidence of the seed source ~~(such as certification tag, sales record, etc.)~~ must be furnished when applying for certification as follows. Virtual tags for private varieties must be furnished by the contractor. See Small Grain Seed Standards for requirements specific to these crops.

- Physical tags present: All planting stock tags are to accompany seedling applications. Breeder tags must be signed by the breeder or their representative.
- Physical tags not available, breeder seed: breeder affidavit and virtual tag number (VTN)
- Physical tags not available, Oregon certified seed: virtual tag number (VTN)
- Physical tags not available, seed certified in another state: letter or transfer certificate from the certifying agency stating at least the generation and lot number, and a sales record or similar showing the grower, lot number, and number of pounds
- Physical tags not available, OECD: formal multiplication agreement must be sent from the Designated Authority of the country of origin to the U.S. Designated Authority (USDA-AMS)
- Request for Certified-to-Certified production: breeder affidavit and virtual tag number (VTN)

Item 5: Addition to the handbook.

When signing up for crop inspection one option is “NTBCTY” (Not to be certified this year). Per a request from growers following a very bad spring, the request was created for issues like flooding and/or spray issues that reduce the yield of the field but do not require taking out the field. This has been over used and is being used for more than one consecutive year. Certification feels that after two consecutive years of not inspecting the field that it cannot be confidently determined that the field had not been replanted.

Last year it was agreed that to maintain field history the field must be inspected the previous year, however fields are hanging in our database for multiple years without certification looking at the field. In that amount of time the field could have been replanted, without our knowledge.

Pg 6. E. Field Management and Inspection 1. Field Management Prior to Field Inspection:

h. Fields which are not to be certified for any reason in a crop year, such as flooding or spray errors, must be signed up the following season. Failure to do so will result in the field being removed from the certification system. A one-year extension could be allowed with the approval of the field inspector.



Oregon Seed Certification Service

<http://seedcert.oregonstate.edu>

CERTIFICATION STANDARDS

TURNIP

(*Brassica rapa*)

Revised February 7, 2024

Certification Standards: The general standards for seed certification found in the Oregon Seed Certification Service (OSCS) Handbook are basic to all crops, and together with the following specific regulations constitute the standards for certified turnip.

Varieties Certified: Varieties and classes eligible for planting may be found in the OSCS Handbook.

Field History: Land must not have grown or been seeded to any cruciferous crops during the previous five years. Exception: the same variety and generation may be planted with a three-year time interval from previous harvest. Turnip must be planted in distinct rows. Exceptions must be approved by the Seed Certification Office prior to planting.

Field Inspections: Includes a seedling and a seed crop inspection. The seedling application must be submitted within 60 days of planting, and a seed crop application must be submitted by April March 15 the year in which the seed is produced. Crop inspection will be made during the early flowering stage.

Field Standards:

Class of seed produced	Maximum permitted Other Varieties ¹
Foundation	None
Registered	1:1000
Certified	1:500

Isolation Requirements²

Class	Field of cross-pollinated varieties	Fields of self-pollinated varieties
Foundation	1,320 feet	660 feet
Registered	1,320 feet	660 feet
Certified	660 feet	330 feet

Seed Standards: (Minimum Sample Size – 1/2 Pound)

Factor	Foundation (White tag)	Registered (Purple tag)	Certified (Blue tag)
Pure seed, minimum	99.00%	99.00%	99.00%
Other crop, maximum	0.01%	0.10%	0.25%
Inert matter, maximum	1.00%	1.00%	1.00%
Weed seed ³ maximum	0.01%	0.01%	0.25%
Restricted weeds ^{4, 5}	one	one	one
Germination, minimum	85%	85%	85%

¹ Other varieties shall be considered to include off-type plants and plants that can be differentiated from the variety being inspected. Volunteer plants may be cause for rejection or reclassification of a seed field.

² These isolation distances are minimum and must be met in all cases.

³ None of the prohibited noxious weeds listed in Section V in the OSCS Handbook, nor any bedstraw, docks, sheep sorrel or St. Johnswort.

⁴ Restricted weeds are defined as *Brassica nigra*, *Brassica juncea*, *Raphanus raphanistrum* and *Sinapis arvensis*.

⁵ Number of seeds allowed in a noxious weed exam.

Table 1

Border Removal for Grass Isolation (for fields 5 acres or larger)		
<i>Generation/Class of Inspected Crop</i>	Distance from the contaminating pollen source	Width of Border Removal area ¹ within the seed field
Foundation	900 feet or more	0 feet
	450-899 feet	15 feet
	Less than 450 feet	465 feet ²
Registered	300 feet or more	0 feet
	150-299 feet	15 feet
	Less than 150 feet	165 feet ²
Certified	165 feet or more	0 feet
	75-164 feet	15 feet
	Less than 75 feet	90 feet ²

¹The Border to be removed from the certified field shall be clearly marked with an adequate number and height of stakes (at least one every 300 feet and taller than the mature canopy height) so that the inspector can determine the distance. Inadequate or improper staking will require re-inspections.

²The required Border Removal is measured from the edge of the contaminating pollen source.

E. Field Management and Inspection

1. Field Management Prior to Field Inspection:

- a. The field shall be in such condition that genetic purity is maintained. Any condition that shall not permit adequate inspection to determine genetic purity shall be cause for rejection. Plant growth regulators may not be applied to legume seed production fields of Foundation or Registered (or equivalent) classes of certified seed.
- b. Field or seedling identity shall be maintained throughout the life of the stand. In all cases, a field number system is required. The field number designated by the grower must be unique (i.e., two fields belonging to a grower may not carry the same designation). A standard field number system will be year of planting followed by a hyphen and up to three digits thereafter. No letters can be accepted.
- c. Roguing of objectionable weeds, other crops, and off-type plants difficult to separate in cleaning should be done before inspection. Failure to rogue will constitute a basis for refusal to approve for certification.
- d. The certification inspector may refuse to approve a field for certification due to unsatisfactory appearance due to weeds, insufficient growth, inadequate stand, disease, insect damage, inability to discern rows (for seedling inspection only), and/or any condition that prevents thorough inspection or that may reflect unfavorably upon the certification program.
- e. The certification unit is the entire contiguous field. Combining two fields separated by a fence, ditch or farm lane must be approved by the inspector. When a portion of the 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.
- f. Evidence of seed-borne disease at the time of field inspection or presence of seed-borne disease in the seed lot may constitute basis for rejection, reclassification, or recommendation for seed treatment.
- g. The presence of smut balls in a seed stock field (Foundation or Registered class) shall be basis for reclassification to the Certified class.



Oregon Seed Certification Service
<http://seedcert.oregonstate.edu>

CERTIFICATION STANDARDS
CREEPING BENTGRASS
 (*Agrostis stolonifera* var. *palustris*)
 Revised February 7, 2024

Certification Standards: The general standards for seed certification found in the Oregon Seed Certification Service (OSCS) Handbook are basic to all crops, and together with the following specific regulations constitute the standards for certified creeping bentgrass.

Varieties Certified: Varieties and classes eligible for planting may be found in the OSCS Handbook. These standards do not include Penncross creeping bentgrass.

Field History: Land must not have grown or been seeded to any *Agrostis* species for five years. For Registered and Certified classes, these requirements are waived if the previous crop year of creeping bentgrass was of the same variety, same or higher class and passed certification field requirements for genetic purity. Creeping bentgrass must be planted in distinct rows. Exceptions must be approved by the Seed Certification Office prior to planting.

Field Inspections: Include a seedling and a seed crop inspection. The seedling application must be submitted within 60 days of planting, or prior to row closure to allow for seedling inspection to occur, and a seed crop application must be submitted by April 15 of each year in which seed is produced.

Field Standards:

Class of seed produced	Maximum permitted Other Varieties ¹	Isolation Requirements ²	
		Less than 5 acres	More than 5 acres
Foundation	None	900 ft.	900 ft.
Registered	0.1%	660 ft.	300 ft.
Certified	2.0%	300 ft. ³	165 ft.

Seed Standards: (Minimum Sample Size – 1/4 Pound)

Factor	Foundation (White tag)	Registered (Purple tag)	Certified (Blue tag)	Penn A-1, Penn A-4, Crystal BlueLinks, PC2.0, PennLinks II, Pure Distinction, Pure Eclipse, Pure Select, Seaside II Certified (Blue tag)
Pure seed, minimum	98.00%	98.00%	98.00%	98.00%
Other crops, maximum	None	0.10%	0.50% ⁴	0.04% ⁵
Inert matter, maximum	2.00%	2.00%	2.00%	2.00%
Weed seed ⁶ , maximum	None	0.10%	0.25%	0.03%
Mouse-ear Chickweed and Annual Bluegrass	None	None	0.05%	None
Weed seed, GROUP A ⁷ , singly or combined	None	None	180/lb.	None
Weed seed, GROUP B ⁸ , singly or combined	---	---	---	None
Germination, minimum	85%	85%	85%	85%

Appearance: Bentgrass seed lots composed of 75% or more hulled (groated) seed will not be certified unless blended with unhulled certified seed in reasonable amount to present good appearance of less than 75%.

¹ Includes off-type plants.

² This distance must be maintained between all other varieties of creeping bentgrass as well as other types of bentgrass such as colonial, and velvet bentgrass. For additional details, Section IV, D in the OSCS Handbook.

³ Certified class fields less than 5 acres must be 165 ft. from all velvet bentgrass.

⁴ Other bentgrass species limited to 1.00% in Seaside creeping bentgrass.

⁵ No rough bluegrass allowed.

⁶ None of the prohibited weeds listed in Section V in the OSCS Handbook, nor corn bedstraw is allowed in any class of seed. No annual bluegrass allowed in Penn A-1, Penn A-4, Crystal BlueLinks, PC2.0, Pennlinks II, Pure Distinction, Pure Eclipse, Pure Select or Seaside II.

⁷ GROUP A – buckhorn plantain, docks, sheep sorrel, and St. Johnswort

⁸ GROUP B – shepherd's purse, mouse-ear chickweed, yarrow, and speedwell



Oregon Seed Certification Service

<http://seedcert.oregonstate.edu>

CERTIFICATION STANDARDS

CHICORY

(*Cichorium intybus*)

Revised February 7, 2024

Certification Standards: The general standards for seed certification found in the Oregon Seed Certification Service (OSCS) Handbook are basic to all crops, and together with the following specific regulations constitute the standards for certified chicory.

Varieties Certified: Varieties and classes eligible for planting may be found in the OSCS Handbook.

Field History: To be eligible to produce Foundation or Registered seed, land must not have grown or been seeded to *Cichorium* sp. during the previous five years. Land must not have grown or been seeded to this species during the previous three years to produce Certified seed. For Registered and Certified class, these requirements are waived if the previous crop year of chicory was of the same variety, same or higher class, and passed certification field requirements for genetic purity. Chicory must be planted in distinct rows. Exceptions must be approved by the Seed Certification Office prior to planting.

Field Inspections: Includes a seedling and a seed crop inspection. The seedling application must be submitted within 60 days of planting, and a seed crop application must be submitted by April 15 of each year in which seed is produced.

~~Fields planted to produce classes of Foundation or Certified seed may be harvested over a seven-year period after the original planting date (one year of seeding and six harvest years).~~

Specific Field Standards:

Class of seed produced	Maximum permitted		Isolation Requirements	
	Other Varieties ¹	Sweet Clover	Less than 5 acres	More than 5 acres
Foundation	1:1000	None	1320 ft.	1320 ft.
Registered	1:1000	None	1320 ft.	1320 ft.
Certified	5:1000	10 plants/acre	660 ft.	660 ft.

Seed Standards: (Minimum Sample Size – ½ Pound)

Factor	Foundation (White Tag)	Registered (Purple Tag)	Certified (Blue Tag)
Pure seed, minimum	98.00%	98.00%	95.00%
Other crops, maximum ²	0.20%	0.20%	0.50%
Inert matter, maximum	2.00%	2.00%	5.00%
Weed seed ³ , maximum	0.25%	0.30%	0.50%
Weed seed, GROUP A ⁴ , singly or combined	25/lb	25/lb	25/lb
Germination	70%	70%	70%

¹ Includes off-type plants.

² Including sweet clover.

³ None of the prohibited weeds listed in Section V in the OSCS Handbook, nor any St. Johnswort allowed in any class of seed.

⁴ GROUP A – buckhorn plantain, docks, sheep sorrel and bedstraw

V. Weeds Prohibited in All Oregon Certified Seeds

Seeds of the following list of weeds are prohibited in certified seed.

Austrian fieldcress (<i>Rorippa austriaca</i>)	Perennial pepperweed (<i>Lepidium latifolium</i>)
Austrian peaweed (<i>Sphaerophysa salsula</i>)	Perennial sowthistle (<i>Sonchus arvensis</i>)
Bearded creeper (<i>Crupina vulgaris</i>)	Purple starthistle (<i>Centaurea calcitrapa</i>)
Camelthorn (<i>Alhagi maurorum</i> [= <i>A. camelorum</i>])	Quackgrass (<i>Elymus</i> [= <i>Elytrigia</i> = <i>Agropyron</i>] <i>repens</i>)
Canada thistle (<i>Cirsium arvense</i>)	Ragweed (<i>Ambrosia artemisiifolia</i>)
Carolina horsenettle (<i>Solanum carolinense</i>)	Rush skeletonweed (<i>Chondrilla juncea</i>)
Dalmatian toadflax (<i>Linaria dalmatica</i>)	Russian knapweed (<i>Rhaponticum</i> [= <i>Centaurea</i> = <i>Acroptilon</i>] <i>repens</i>)
Diffuse knapweed (<i>Centaurea diffusa</i>)	Serrated tussock (<i>Nassella trichotoma</i>)
Dodder (<i>Cuscuta</i> spp.)	Silverleaf nightshade (<i>Solanum elaeagnifolium</i>)
Dogbane (<i>Apocynum</i> sp.)	Slender foxtail or Blackgrass (<i>Alopecurus myosuroides</i>)
Dyers woad (<i>Isatis tinctoria</i>)	Slenderflower thistle (<i>Carduus tenuiflorus</i>)
Field bindweed (<i>Convolvulus arvensis</i>)	Spotted knapweed (<i>Centaurea stoebe</i> subsp. <i>australis</i> [= <i>C. maculosa</i>])
Hairy whitetop (<i>Lepidium appelianum</i> [= <i>Cardaria pubescens</i>])	Squarrose knapweed (<i>Centaurea virgate</i> subsp. <i>squarrosa</i> [= <i>C. vigata</i>])
Halogeton (<i>Halogeton glomeratus</i>)	St. Johnswort (<i>Hypericum perforatum</i>)
Iberian starthistle (<i>Centaurea iberica</i>)	Tansy ragwort (<i>Jacobaea</i> [= <i>Senecio</i>] <i>vulgaris</i>)
Italian spiny thistle (<i>Carduus pycnocephalus</i>)	Whitetop (<i>Lepidium</i> [= <i>Cardaria</i>] <i>draba</i> and <i>L. appelianum</i> [= <i>Cardaria pubescens</i>])
Johnsongrass (<i>Sorghum halepense</i>)	Wild garlic (<i>Allium vineale</i>)
Jointed goatgrass (<i>Aegilops</i> spp.)	Yellow starthistle (<i>Centaurea solstitialis</i>)
Leafy spurge (<i>Euphorbia esula</i>)	
Malta starthistle (<i>Centaurea melitensis</i>)	
Medusahead rye (<i>Taeniatherum</i> [= <i>Elymus</i>] <i>caput-medusae</i> subsp. <i>caput-medusae</i>)	
Musk thistle (<i>Carduus nutans</i>)	

VI. Conditioning Certified Seed

The sampling and tagging of certified seed is coordinated under the auspices of the county extension offices. A list of county extension offices is in the front of this Handbook and can be obtained from the Seed Certification Office.

A. Inter-county or Interstate Seed Movement

1. Identity of seed must be maintained during any seed movement.
2. When seed that is eligible for certification, but not in condition for sale, is moved from one warehouse to another, the Oregon Seed Certification Service Office must be notified.
3. The Oregon Seed Certification Service must be notified when seed is shipped interstate. At the discretion of the certifying agencies concerned, the seed may or may not be tagged when moved between Idaho, Washington, and Oregon. When seed is moved for further conditioning to other than contiguous states, it must be tagged. Any additional expense incurred in such shipment must be paid by the party desiring the service.

B. Storage and Conditioning

1. All warehouses conditioning certified seed must be inspected and approved. Additional inspections may be conducted at the discretion of the Oregon Seed Certification Service.
 - a. All warehouses conditioning or blending seed eligible for Oregon Certification shall be inspected and approved by a representative of the Oregon Seed Certification staff. Evidence of facilities and records to adequately maintain identity and separation of varieties will be required.

OSU Update December 2023

The following are highlights of activities in Crop and Soil Science (CSS) and the College of Agricultural Sciences (CAS) as they affect clientele groups affiliated with CSS.

Crop and Soil Science

Personnel

- Dr. Nathan Stacey has joined CSS as Assistant Professor (Practice) – Small Farms Extension Specialist and coordinator of the Extension Small Farms Program – effective February 1, 2024.
- Assistant Professor and Extension Specialist in Weed Science – Corvallis. Interviews will be starting soon.
- Assistant Professor (Practice) Extension – Condon. Search closed on November 9th.
- Assistant Professor (Practice) Extension – Mid Valley and North Valley positions. Search will close on December 20th.
- Assistant Professor of Soil Microbiology and Ecology – Corvallis. The search committee has been formed.
- Department Head and Professor – Crop and Soil Science. Dr. Joey Spatafora, Department Head of Botany and Plant Pathology is the Chair of the Search Committee.

News

Dr. Lauren Gwin has been announced as the Director of the Center for Small Farms and Community Food Systems. Dr. Gwin is an Associate Professor in CSS.

Seed Services Update

December 6, 2023

A team of Certification specialists and other seed industry professionals increased a small amount of Gulf annual ryegrass to 50 lbs. of breeder seed. The Oregon Ryegrass Commission hired a seed stock grower last year in Washington to grow two acres of Foundation Gulf. Six hundred pounds of clean seed was harvested this year and passed with Foundation tags. The seed is stored in an Oregon warehouse and will be distributed as needed.

The Tall Fescue Commission hired the same Washington grower to raise two acres of Foundation Kentucky 31 for two seasons. A little over six hundred pounds of clean seed have been shipped to Oregon and tagged at the Foundation level. The Tall Fescue commission has a subcommittee that will distribute the seed to Oregon growers.

An ISTA sub-committee is working on developing a PCR test that would distinguish the difference between annual and perennial ryegrass. Multiple primers (short stretches of DNA) have been sent to four labs, including the OSU Seed Lab. Once the best primer and technique have been developed, they will be shared with some international seed labs, to test the efficacy. It is hoped that a protocol using the new primer will be approved by both AOSA and ISTA to distinguish between annual and perennial ryegrass.

A team of researchers have been assembled to use computer vision, neural networks, and robotics to develop a prototype machine that could be used to sort off-type seed from pure grass seed. Two grants will support the work of the multi-disciplinary team for the next couple of years.



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2023 Year in Review

Total Acres Certified of all Crops – 201,546 (-6.5%)

Total Acres of Grass Crops Certified – 160,954 (-9.7%)

Tall fescue – 91,875 (-9.6%)

Perennial ryegrass – 28,917 (-17.3%)

K. Bluegrass – 9,194 (-9.4%)

Annual ryegrass – 6,932 (-11.8%)

Chewings fescue – 5,743 (-1.6%)

Total Acres of Small Grains Certified – 21,943 (3.2%)

Wheat – 20,772 (5.2%)

Barley – 495 (-11.3%)

Oat – 424 (30.5%)

Triticale – 108 (-71.9%)

Club wheat – 0 (-100%)

Red oat – 144 (5.9%)

Cereal rye – 0 (nc)

Total Acres of Legumes Certified – 4,196 (-18.5%)

Red clover – 2,881 (-20.9%)

Crimson clover – 46 (-85.6%)

Total Acres of Misc. Other Crops Certified – 14,453 (34.9%)

Radish – 1,824 (95.1%)

Hybrid Canola – 3,673 (100%)

Total Acres of Potatoes Certified – 3,277 (6.3%)

Total Acres of PVG Certified – 155 (44.9%)

Sunflowers – 2,555 (21%)

Total Acres of Corn – 2,649 (-6.2%)

Active Warehouses in 2023 – 179 (5.4%)

Active Growers in 2023 – 608 (-5.4%)

Updates

- Jeff Mc Morran retiring
- Chris Wallace retiring
- Brenda Allison – Yamhill, Polk and Washington Co. sampler
- Karen Courtney – Union/Umatilla sampler
- Programmer/Analyst

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OSCS Staffing

- 3 Administrative staff
- 2 Information Technology Staff
- 6 Seed Certification Specialists
- 3 Part-time/seasonal Seed Certification Specialists
- 6 Seed Certification Samplers
- 1 Manager and Seed Certification Specialist
- Various part-time student employees (office and potato greenhouse)

Seed Certification Advisory Committees Update

- Staffing

- Office

- Lorinda Hughes is the new Office Manager. She has worked at the Lab for over 6 years and has extensive experience in teaching, ISTA Quality Management and Purchasing and Receiving.
 - Katie Bewley is the new Quality Manager. She has worked at the Lab for over 5 years most recently responsible for all reporting with an emphasis on ISTA. She is a veteran of the US Navy where she had experience in Quality Control and Calibrations on the USS George Washington. She will lead us through the next ISTA audit.
 - Claire Cowart is our new Reporting Coordinator. She comes to us from the Seed Industry where she worked in logistics. She also had previous experience at the Lab as a student employee.
 - Kayla Antila is the new Receiving Coordinator. She was a student employee at the Lab for several years.

- Analysts

- Hired one of the student employees as Analyst 2. Promoted one Analyst 1 to Analyst 2.
 - Two Pre-pickers from last year are working as Analyst-Entry Level and will be advanced to Analyst 1 later this year.
 - Hired 6 pre-pickers this year. Currently 3 are still with us. Our expectation is to hire them FT in the next 4-6 weeks.

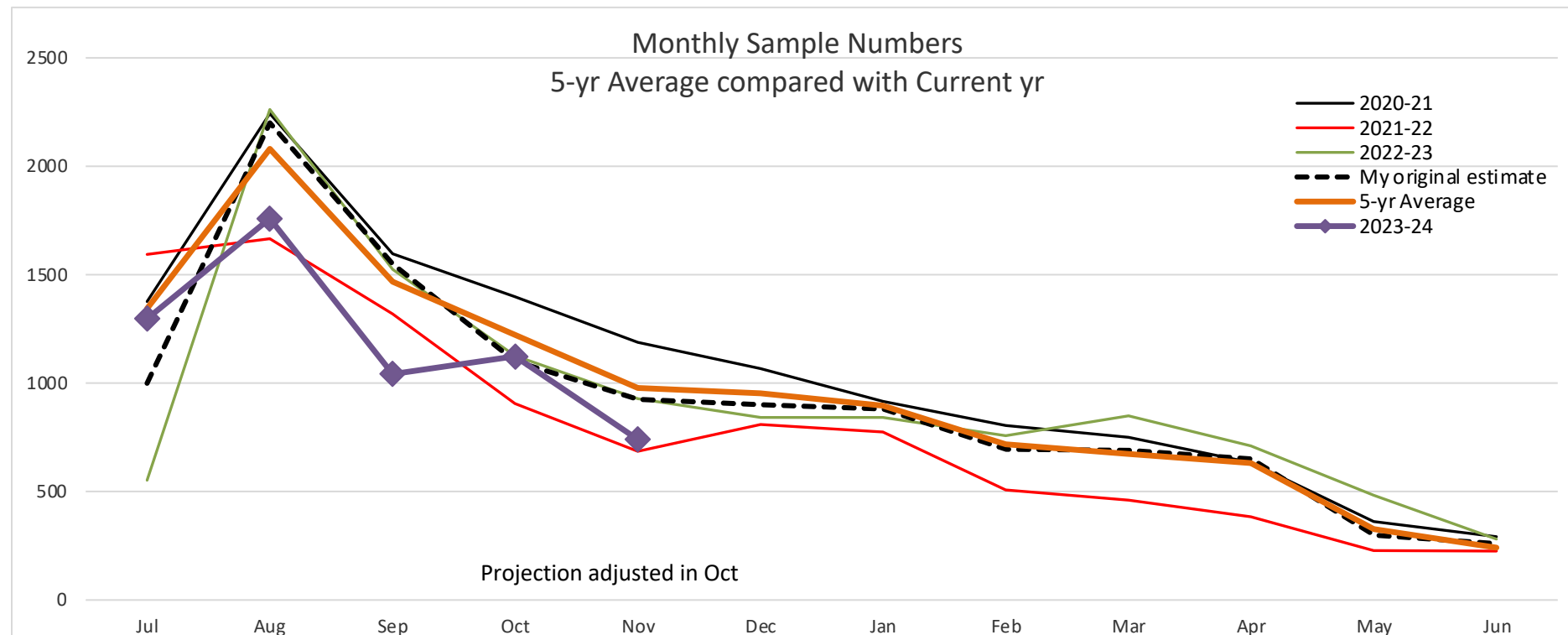
- Purity Supervisor Position was eliminated this year due to budget constraints.

- ISTA Audit

- Scheduled for 2024. Dates have not been finalized. (Contingent upon when ISTA can coordinate between Agri Seed and OSU.)

Seed Certification Advisory Committees Update

- Sample numbers (see below)
 - Worst August and September in more than 20 yrs.
 - Budget numbers are down.
 - We have cut back on labor.
 - We have contracted with another lab to perform standard seed testing for them through 2028. We are estimating an additional 500-1000 samples each year. Samples have begun to arrive (all vegetable seed so far).



Grass & Legume Advisory Committee

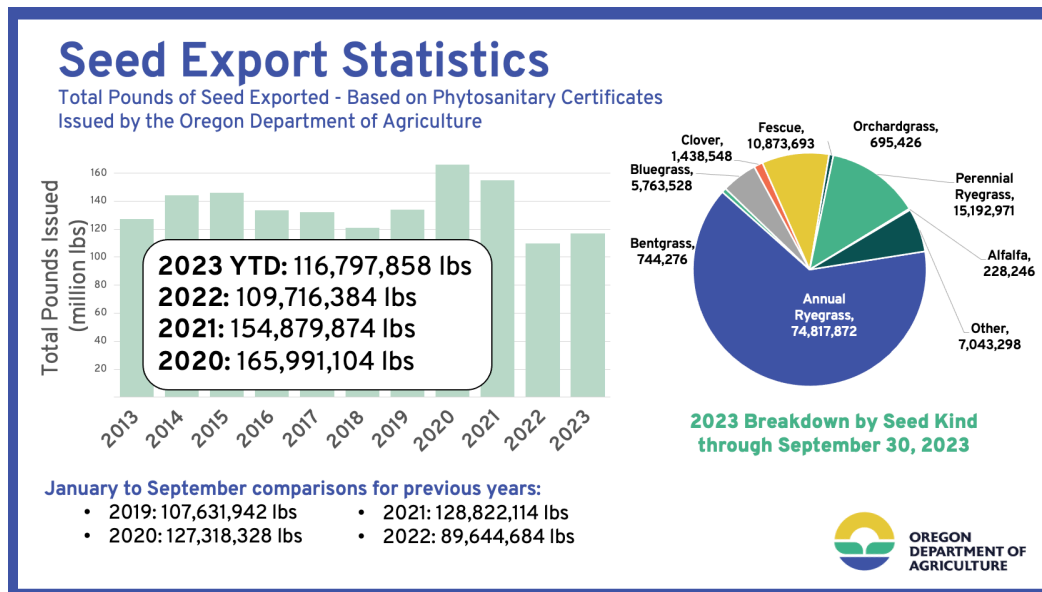
December 6, 2023



Seed Regulatory Program Updates

Export Statistics

- Please see attached summary documents.



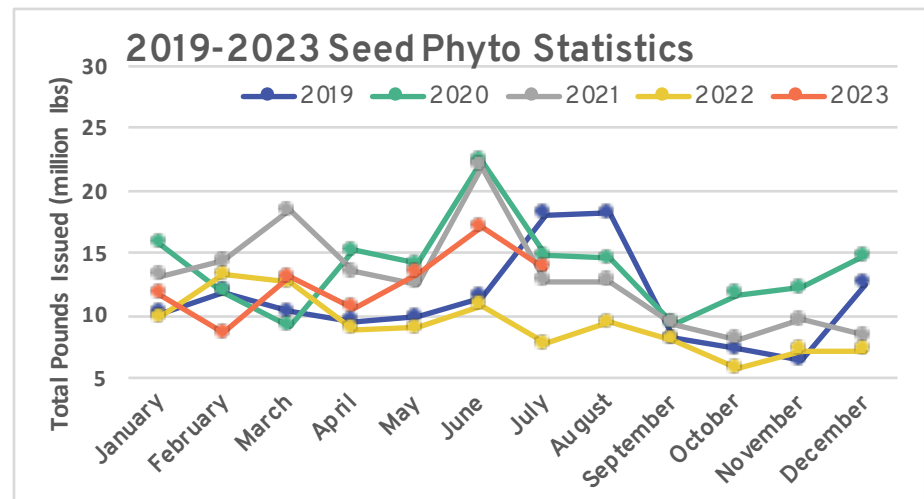
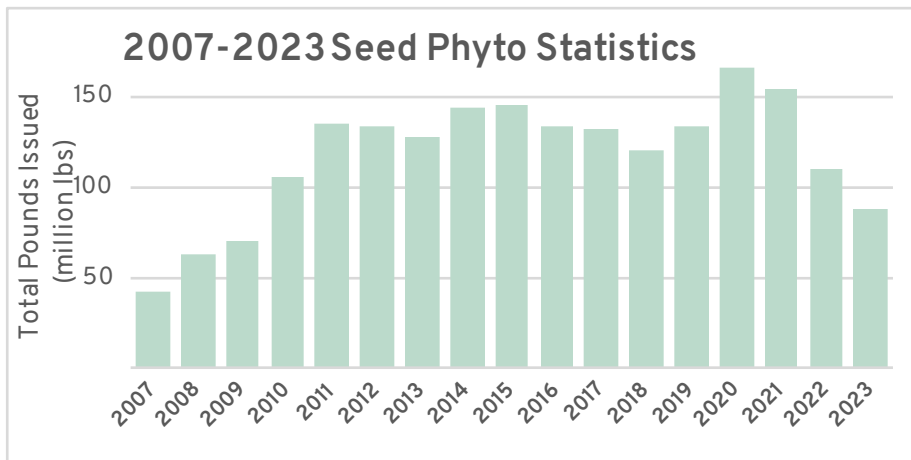
Plant Health Program Move to the North Valley Complex

- The Plant Health laboratory is moving in January 2024. After February 1, all correspondence and seed samples should be sent to:
North Valley Complex, ATTN: Plant Health
26755 SW 95th Ave, Wilsonville, OR 97070
- Limited services will be available from January 22-26th. If you have questions, please reach out to Elizabeth Savory at Elizabeth.Savory@oda.oregon.gov.
- See attached for detailed breakdown of limited and suspended services during the move and deadlines for sampling and testing requests to ensure that testing can be completed with limited disruption.

Seed Phytosanitary Certificates Summary Data - By Month and Year (pounds)

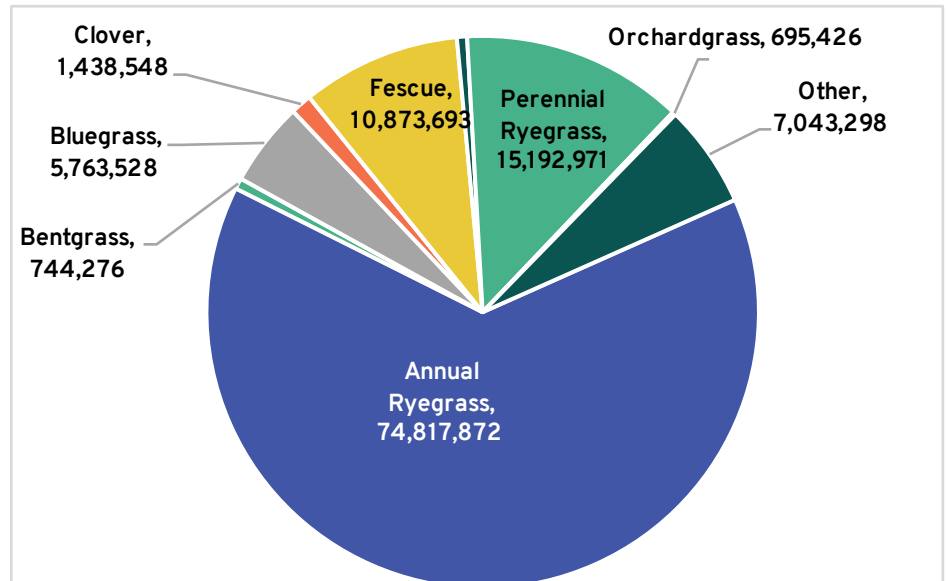
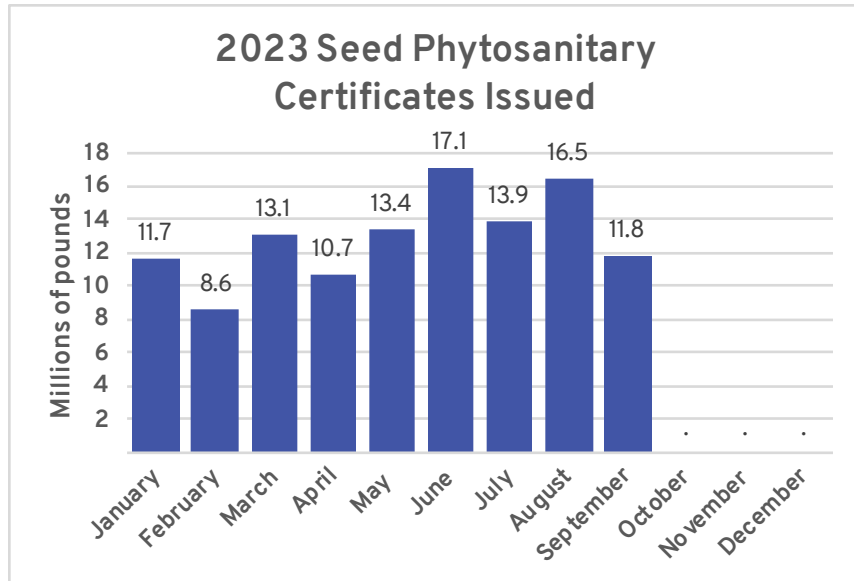
	January	February	March	April	May	June	July	August	September	October	November	December	TOTALS
2007	5,041,737	3,958,794	3,703,147	2,577,687	1,873,022	2,781,983	2,732,831	4,111,166	2,486,030	2,662,651	3,974,573	6,610,992	42,514,613
2008	8,366,218	5,441,006	5,220,102	4,785,036	6,918,967	5,849,781	5,863,403	3,914,533	4,919,935	3,467,345	2,619,047	5,142,753	62,508,126
2009	6,943,769	9,146,212	4,650,232	3,948,935	3,805,521	7,108,558	5,562,247	6,350,347	3,081,679	4,069,966	6,865,900	9,034,488	70,567,854
2010	9,892,983	12,073,939	7,059,612	8,507,988	9,767,843	8,093,539	7,392,918	10,661,252	10,141,460	6,044,373	7,054,854	8,962,288	105,653,049
2011	12,871,103	17,817,187	15,314,916	10,698,778	6,730,506	10,766,203	9,186,704	12,674,719	8,104,300	9,160,109	9,575,960	12,826,858	135,727,343
2012	12,432,275	19,069,854	12,770,195	11,443,386	12,804,475	8,416,595	7,583,057	11,783,582	8,684,430	5,937,222	9,920,305	13,210,445	134,055,821
2013	11,302,240	14,854,795	7,975,859	8,285,587	10,870,276	8,791,361	12,210,267	11,628,591	8,432,416	9,602,159	8,171,143	15,056,695	127,181,389
2014	14,360,278	17,167,086	15,072,400	10,564,872	10,679,686	13,103,991	12,147,360	15,520,909	7,954,975	7,857,133	8,222,512	11,490,409	144,141,611
2015	11,070,922	9,922,858	14,159,177	15,839,551	15,325,975	8,852,314	19,932,767	11,623,747	9,779,375	10,234,152	9,784,739	9,563,410	146,088,987
2016	10,409,453	11,036,866	9,051,334	10,836,992	12,659,318	15,158,889	14,536,366	12,930,361	7,625,186	7,632,429	7,306,971	14,482,072	133,666,237
2017	14,024,647	11,767,232	12,889,771	6,967,757	9,099,129	12,334,602	11,688,142	19,495,269	10,202,964	5,584,921	7,231,746	10,667,294	131,953,474
2018	9,126,464	13,466,635	14,649,303	9,559,715	6,046,591	8,319,327	11,399,196	16,639,474	7,482,024	6,620,886	8,442,573	9,180,012	120,932,200
2019	10,141,086	11,928,706	10,246,107	9,502,400	9,895,020	11,451,146	18,105,578	18,243,496	8,118,403	7,305,990	6,405,657	12,508,972	133,852,561
2020	15,783,097	11,891,123	9,106,583	15,259,570	14,132,478	22,415,278	14,828,147	14,593,765	9,308,287	11,637,682	12,227,940	14,807,154	165,991,104
2021	13,175,534	14,405,201	18,402,166	13,547,006	12,551,580	21,899,084	12,763,842	12,721,253	9,356,448	8,029,331	9,647,761	8,380,668	154,879,874
2022	9,891,500	13,304,113	12,601,320	8,883,034	8,996,541	10,799,432	7,717,855	9,444,982	8,005,907	5,752,372	7,152,029	7,167,299	109,716,384
2023	11,717,345	8,623,231	13,083,692	10,656,423	13,389,439	17,114,837	13,867,278						88,452,245

Grey highlights represent bienniums



Seed Phytosanitary Certificates Issued 2023 (pounds) - By Seed Kind

Month	Annual Ryegrass	Bentgrass	Bluegrass	Clover	Fescue	Orchardgrass	Perennial Ryegrass	Alfalfa	Timothy	Other	Total Pounds
January	5,802,386	321,893	1,300,757	457,187	1,710,636	47,411	845,559			1,231,516	11,717,345
February	4,141,380	144,851	1,467,259	324,661	1,269,101	99,053	844,743	5,200		326,983	8,623,231
March	8,285,181	75,543	830,727	148,588	1,589,763	29,600	1,032,589			1,091,701	13,083,692
April	7,806,848	13,509	347,716	53,552	832,967	2,381	839,343	2,150		757,957	10,656,423
May	9,257,268	71,989	579,693	14,501	910,183	352,226	1,482,942	46,184		674,453	13,389,439
June	13,341,842	11,776	440,114	64,875	1,168,124	57,251	1,759,950			270,905	17,114,837
July	8,843,214	58,570	257,071	238,444	576,208	2,095	3,743,458			148,218	13,867,278
August	10,364,058	28,550	295,828	47,004	1,247,119	16,951	3,433,702	73,300		1,022,249	16,528,761
September	6,975,695	17,595	244,363	89,736	1,569,592	88,458	1,210,685	101,412		1,519,316	11,816,852
October											0
November											0
December											0
Totals	74,817,872	744,276	5,763,528	1,438,548	10,873,693	695,426	15,192,971	228,246	0	7,043,298	116,797,858



Appendix 13

2023 Export Volume based on Phytosanitary Certificates Issued by the Oregon Department of Agriculture

Volume (lbs)	Seed Kind									Grand Total
	Annual							Perennial		
Country	Ryegrass	Bentgrass	Bluegrass	Clover	Fescue	Orchardgrass	Other	Ryegrass	Alfalfa	Grand Total
Argentina	1,764,429		3,300	55,000	358,534		15,450	165,000		2,361,713
Australia	529,105	12,228	106,954	264,193	228,408		2,229	64,960		1,208,077
Central & South America	1,193,037	1,026	8,400	189,050	10,001	502,850	217,211	729,169	6,501	2,857,245
Chile	1,195,446	7,225		128,269	310,081	43,053	17,923	121,046		1,823,043
China	34,191,131	32,085	3,082,214		5,366,293	23,001	233,481	9,209,558		52,137,763
Colombia	557,704	700		34,501	13,001		708,539	452,551	7,100	1,774,096
Japan	1,842,084	155,995	220,520	500	151,910	50,200	664,455	674,777		3,760,441
Korea, Republic of	14,213,752	128,672	490,978	3	717,868	59,612	796,321	726,577	2,201	17,135,984
Mexico	1,111,985	480	6,657	5,000	113,153	16,600	173,004	92,760		1,519,639
New Zealand	51,800	16,901		153,749	65,901	95	34,371	11,273	71,099	405,189
Other	1,924,195	12,518	320,756	69	685,709	15	395,069	1,750,612	141,345	5,230,288
Other Asia	3,281,749	126		3,304	111,782		314,600	208,978		3,920,539
Europe	12,906,454	376,320	1,523,749	604,910	2,741,052		1,794,821	985,710		20,933,016
Canada	55,001						1,671,017			1,726,018
United States							4,807			4,807
Grand Total	74,817,872	744,276	5,763,528	1,438,548	10,873,693	695,426	7,043,298	15,192,971	228,246	116,797,858

Data through September 30, 2023



**OREGON
DEPARTMENT OF
AGRICULTURE**

Plant Health Move to the North Valley Complex

The Oregon Department of Agriculture (ODA) is consolidating laboratories and programs in a new state-owned facility in Wilsonville, Oregon. The North Valley Complex (NVC) is a state-of-the-art facility that is an integral part of Oregon's "One-State" approach, supporting cross-agency collaboration and resiliency. To that end, ODA will be joining staff from Oregon's Occupational Safety and Health Division and State Police at the NVC facility.

The Plant Health program, including seed sampling, verification, and phytosanitary testing is scheduled to move during the **week of January 22nd -26th, 2024**. During that timeframe, services will be limited or unavailable as we will not have access to our equipment and supplies. **The program expects to resume operations by February 1st.**

This handout describes our plans for service up-to, during, and after the move dates. We recommend actions that companies can take to minimize the impacts of the move on their business needs. On the second page of this document is a detailed timeline related to seed sampling and testing request deadlines to ensure that we can complete testing and issue reports with limited disruption.

Questions? Please call Elizabeth Savory at 503.881.0889 or email Elizabeth.Savory@oda.oregon.gov.

Seed Services that will be minimally affected during the move to NVC		KEY DATES
<ul style="list-style-type: none"> • Seed sampling and verification. Continue submitting requests via email to seedservices@oda.oregon.gov. We do not anticipate any interruptions or delays to seed sampling, witnessing, or verification services. • Issuance of phytosanitary certificates. Applications submitted to PCIT will be processed as usual. Complete applications submitted by 10:30 am will be processed and phytosanitary certificates issued the same day. • Pest & Disease (P&D) visual exams. Samples received by the lab from January 22-26th will be inspected. However, turn-around time will likely be slower than usual as we work through logistics around transporting samples to the NVC. 		<p>JANUARY 19th Last day reports will be issued for phytosanitary tests submitted by deadlines (does not include P&Ds). Some reports will resume January 29th.</p>
Seed Services that will be suspended from January 22-26, 2024		<p>JANUARY 22nd-26th Plant Health move to NVC; only limited services will be available.</p>
<ul style="list-style-type: none"> • Review timelines on page 2 for more details on service deadlines. • P&D updates. All file samples will be unavailable during the move dates. • Phytosanitary testing – including bacterial, endophyte (includes tags), fungal, nematode, virus, and weed species testing will be unavailable. No reports (other than P&Ds) will be issued this week. 		<p>FEBRUARY 1st Testing will resume; results will be available based on usual timelines after this date.</p>
NEW ADDRESS:	North Valley Complex, ATTN: Plant Health 26755 SW 95 th Ave, Wilsonville, OR 97070	

Recommendations to Minimize Impacts to Shipments

- **Schedule testing prior to January 1st, 2024.** In most cases, there is no time limit on test results (including bacterial, endophyte, fungal, nematode, virus and weed testing). These results will be valid for phytosanitary certificate issuance as long as the seed shipment is appropriately safeguarded.
- **Contact us!** Email Elizabeth.Savory@oda.oregon.gov or call 503.881.0889 if you have questions, concerns, or needs related to shipping and exporting seed during this time frame – we will do what we can to accommodate any requests.

Thank you! We appreciate your patience during our move to NVC.

Plant Health Seed Services North Valley Complex Move Timeline

REMINDER: January 1st and January 15th are state holidays.

Sample Request Deadline. Requests for sampling/testing must be emailed to seedservices@oda.Oregon.gov by 8 am.

Sample to PH Lab Deadline. Sample must be received by the laboratory, whether via ODA sampling, mail, or drop-off.

Testing Report Date. For samples received by deadline, reports will be issued by this date.

Resume Testing (estimate). Date testing will begin – reports will be issued based on usual timelines after this date.

