

**Minutes of the 2023 Cereals Advisory Committee
(CAC)**

to the Certification, Foundation Seed and Plant Materials Board
Monday, November 6th, 2023
Remote Teleconferencing

Present: Curt Howell (Chair); Bob Zielinski (Vice Chair); Brandon Bishop, Matt Insko, Kurt Farris, Brian Haverkamp, Larry Lutcher, Ryan Graebner, Dr. Margaret Krause, Elizabeth Savory, Thomas Chastain, Dan Curry, Darrin Wilanta, Craig Agidius, Terry Burr, Aaron Jeschke, Tami Brown, John Zielinski, Andrew Altishin, Alex Albion.

Call to order and introductions.

Meeting was called to Order at 10:00 am. Curt Howell welcomed everyone to the meeting and asked members to introduce themselves.

Item 1. Changes/additions to the agenda.

No additions or amendments were made.

Item 2. Minutes of the 2022 CAC Meeting.

Minutes from the 2022 meeting, as posted on the OSCS website, were approved.

Item 3. Certification Board actions regarding CAC 2023 recommendations.

Action Item: Corn Standard changes from the Corn Sub-Committee

One action item was produced from the corn sub-committee. This item was to change and add verbiage to the Corn Standards Handbook surrounding male sterile inbreds and how to address the presence of visible pollen on male sterile plants during field inspections.

Item 4. Cereal Variety Advisory Committee (CVAC) Update.

Kurt Farris informed the group that the CVAC has been meeting over email and zoom the last few years. Minutes from the CVAC meeting were provided to the group and directed to read through the provided materials. No questions were asked. These minutes can be found on **Appendix 1A**.

Item 5. Report from the Corn Sub-Committee.

A representative from the Corn Sub-Committee meeting presented an overview report for corn in 2023 and shared the topics discussed in the corn sub-committee. This sub-committee was planning on meeting again via zoom or email to discuss a possible standard change. On January 15, 2024 an email with the proposed standard change

was sent out to be voted on. The proposed action item was to change and add verbiage to the Corn Standards Handbook surrounding male sterile inbreds and how to address the presence of visible pollen on male sterile plants during field inspections. Via email this was voted on and passed. **Appendix 2A**

Item 6. Small Grain Sign Up Procedure

Curt Howell asked Oregon Seed Certification Services why our current small grain sign up procedure required two steps. The claims were that this system can be difficult and confusing for growers. The manager of OSCS gave a brief explanation that the system that is currently in place, is due to some OSU policies on how we can receive and refund money. The group didn't have any discussion on this topic after the update from OSCS.

Item 7. By-Law Update Meeting Information

A member proposed the idea that the CAC should meet in person at least once every other year with a location somewhere along the I-84 corridor. Some members voiced concerns that some years things just come up; which make having a meeting in person difficult. The committee decided to leave the current by-laws as they are.

Item 8. Small Grains Certification Year in Review.

John Zielinski gave a brief update on the 2023 small grain inspection season. Acres signed up this year were 24,945 with 86 seedling inspections. OSCS had a slight increase of 305 acres signed up for crop inspection from 2022. John provided a final determination for cereal fields in Certification for 2023, providing the number of fields that passed, were withdrawn, rejected, and the reasons why. **Appendix 3A**

Item 11. Elections.

A dealer nominee is needed. A motion was made to nominate Brandon Bishop as Vice-Chair for the 2025 CAC. The motion passed unanimously. Kurt Farris agreed to continue to be the representative to the CVAC.

Item 12. Reports.

Dan Curry gave an OSU Seed Services update; which discussed the continued project of seed stock of Gulf annual ryegrass and seed stock Kentucky 31 tall fescue. Also shared was that an ISTA sub-committee is working on a PCR test to distinguish differences between annual and perennial ryegrass. **Appendix 4A**

The manager of OSCS Andrew Altishin gave an update on this year's acres; which can be found in this year's Oregon Certification Activity Summary. Also, some details on new hires and changing positions in different programs at OSCS. Altishin did mention

that a fee increase is coming at some point for late signed up fields, but no hard-set dates have been made. **Appendix 5A**

Dave Stimpson the OSU Seed Lab manager was unable to attend, but did provide a print out. The committee looked at this handout individually. **Appendix 6A**

Elizabeth Savory gave an update from ODA. Some of the topics discussed were export statistics, Karnal Bunt data, and phytosanitary certificate data. Also, an update on ODA moving locations was discussed. **Appendix 7A**

Aaron Jeschke the manager of Washington State Crop Improvement Association provided a short report. Information on production, staffing, and 2023 sales were provided in his handout. **Appendix 8A**

Thomas Chastain gave an OSU update; which had information about open positions and filled position with the College of Crop and Soil Sciences and the College of Agricultural Sciences. Chastain also introduced the new cereal breeder Dr. Margaret Krause during his update. **Appendix 9A**

Appendix 1A

October 10, 2023

Cereal Variety Advisory Committee (CVAC) Report By: Kurt Farris

There were two items for business in this committee for 2023.

The committee continues to operate by Zoom and email votes and will likely continue in this fashion.

Item 1: These comments are all excerpts from the variety proposal by Pat Hayes.

DH190481 (Successor) was proposed by Pat Hayes to the CVAC on 1/21/2023.

The aim of this variety development was to create an agronomically successful, spring-planted variety that is well-adapted to Oregon and Washington dryland environments and tolerant to soil residue from IMI-herbicides, while exhibiting suitable grain quality for the barley feed market.

Successor barley is a novel variety that exhibits tolerance to residual IMI herbicide in soil and crop residue. It is well suited to dryland and conservation/no-tillage agricultural systems in Eastern Oregon and Washington. Successor is proposed for release with a non-exclusive license, per previous OSU malting barley varieties. There will be a one-time application fee of \$250 for each non-exclusive license. Those interested in a license should contact Denis Sather at the OSU Office of Commercialization and Corporate Development (denis.d.sather@oregonstate.edu). Successor seed, for planting purposes, can only be sold as a class of certified seed with a royalty of \$0.02/lb (approximately \$0.067/kg). The \$0.02/lb royalty will be paid on sale of this seed. All grain harvested from the certified production must be disposed of by malting or feeding, unless permission is obtained - in writing - from OSU to use the seed for other purposes, including re-planting.

Plant Variety Protection will not be sought for Successor because this variety will meet an immediate short-term need for imm-tolerant barley. Long-term, the reduced use of immj herbicides and generally low price for feed barley do not justify the cost of PVP. The variety will be protected by Federal

Seed Law and OSU recognized as the owner of the variety. Furthermore, Oregon, Idaho and Washington state trademarks will specify that the variety can only be sold under the name of “Successor”.

This was accepted by the committee on 2/8/2023

Item 2: These comments are all excerpts from the variety proposal by Pat Hayes.

DH140088 (Flex) was proposed by Pat Hayes to the CVAC on 8/25/2023.

DH140088 is a doubled haploid derived from the cross Violetta/Charles//Full Pint. It was rated unsatisfactory in its first year of American Malting Barley Association (AMBA) Pilot testing (2018 crop):

The rating of the 2019 crop was again

“Unsatisfactory” and no further testing of the selection was permitted:

Origin Malt maintained an interest in the selection, notably due to its GN0 status and adaptation to their production environments. After extensive testing (Exhibit 1), in August of 2023, Origin Malt requested that that the variety be released because they would like to commercialize it. Origin Malt suggested the name “Flex” due to the facultative growth habit of DH140088. This name was approved by the USDA variety name agency (see Exhibit 2).

Based on the agreement between OSU and AMBA, all varieties developed with AMBA support, whether they are recommended by AMBA, will be released with a non-exclusive license. Therefore, per previous OSU malting barley variety releases, we propose that Flex be released with a non-exclusive license. There will be a one-time application fee of \$250 for each non-exclusive license. Those interested in a license should contact Denis Sather at the OSU Office of Commercialization and Corporate Development (denis.d.sather@oregonstate.edu).

Flex seed, for planting purposes, can only be sold as a class of certified seed with a royalty of \$0.03/lb (approximately \$0.067/kg). The \$0.03/lb royalty will be paid on sale of this seed. All

grain harvested from the certified production must be disposed of by malting or feeding, unless permission is obtained - in writing - from OSU to use the seed for other purposes, including replanting.

Plant Variety Protection will not be sought for Flex due to the special status of malting barley in the US, where the malting barley supply chain is based on sale of certified seed. By specifying that all sales for planting purposes must be a class of certified seed we will ensure that growers will be purchasing seed from the seed dealers with non-exclusive licenses. There is not an open market in the US for malting barley that is not grown from a class of certified seed: the risk to the maltster is too great. The variety will be protected by Federal Seed Law and OSU recognized as the owner of the variety. Furthermore, trademarks in states where Flex is sold will specify that the variety can only be sold under the name of "Flex".

This was accepted by the committee on 9/9/2023.

Appendix 2A



Oregon Seed Certification Service

31 Crop Science Bldg.,
Corvallis, Oregon 97331
T 541-737-4513 | F 541-737-2624
Web: seedcert.oregonstate.edu
Email: corn-info@oregonstate.edu

Corn Program Overview

Program Year: 2023

- 2,649 Total Acres (6.2% decrease from 2022)
- 3 Growers
- 259 Oregon Fields (7.5% decrease from 2022)
- 243 Foundation Class (4.7% decrease from 2022)
- 16 Certified Class (36% decrease from 2022)

Hiring/Training of Staff

- Average field assignments range 50-60 fields/inspector for the season
- 5 inspectors – 2 in Milton-Freewater, 3 in Hermiston/Boardman
- Hire local employees – knowledge of area
- State issued vehicles provided
- Training workshop/meeting mid-June
 - In-field training continues when season begins July 1
 - Training continues as needed through the summer

Field Inspections

- Each field is inspected at least 4 times
- One isolation inspection prior to pollination (locate field, purity of plant type, contamination checks), and a minimum of 3 inspections during pollination
- Acreage determines number of counts per inspection (1 count = 50 plants; 50 m/f if Hybrid)
- Counts performed at three increments of silk presence during pollination (5-15%, 16-65%, >66%)
- Intensive timing; time between inspections can greatly vary due to variety, weather/field conditions, and inputs but averages one inspection every 2-3 days.
- Field information is available online to ensure all fields are signed up and confirm they have been inspected

Seed Movement

- Ear inspections are required for Foundation corn single crosses and inbred lines (inspect corn ears for off-colored or different textured kernels)
- Starts end-August going through end-October – 6 days a week
- Transfers Pending Final Certification are required to maintain certification; use eCertification site to print transfers

Appendix 3A

Oregon Seed Certification Service

2023 Small Grain Season Summary As of

Total Small Grain Acres Signed up for Crop Inspections in 2023 were 24,945 Acres

2023 Crop inspections started on 07/03/2023

86 Seedling Inspections and of those:

80 Passed

6 Passed on Condition

Reasons: Inadequate Seed Source Documentation, Variety unlisted

262 Crop Inspections and of those:

223 Passed

4 Fields Withdrawn or Removed as per grower request prior to crop inspection

35 Fields were rejected

Reasons: by Growers Request

Excessive other variety's

Payment

Rejected due to unresolved issues with the initial field application

Not signed up for re-inspection

Field harvested before Crop Inspection

Fields with specified contaminants:

*Prohibited weeds

61	Prickly Lettuce	16	Barnyardgrass	6	Wild Carrot
60	Cheatgrass	15	Salsify	6	Annual ryegrass
24	Field Bindweed*	14	Mustard	6	Dog Fennel
24	Russian-thistle	14	Quackgrass*	3	Brome
24	Kochia	12	Greed Foxtail	3	Medusahead rye*
22	Redroot Pigweed	10	Witchgrass	3	Perennial ryegrass
21	Canada thistle*	10	Wild Oat	1	Bedstraw

Summary of Small Grain Inspections 1995 - 2023

Year	Total Acres signed up for Crop Inspection	Total Number of Fields Signed up for Seedling Inspection	Total Number of Fields Signed up for Crop Inspection
1995	11,814	*	*
1996	10,304	*	*
1997	10,159	*	*
1998	8,803	*	*
1999	9,138	*	*
2000	8,524	*	*
2001	8,165	12	158
2002	12,589	24	228
2003	14,209	45	268
2004	15,106	60	264
2005	14,705	62	237
2006	13,742	66	232
2007	14,521	43	226
2008	17,914	47	309
2009	21,341	61	317
2010	21,115	62	362
2011	23,690	76	358
2012	19,853	83	353
2013	25,639	85	405
2014	25,722	85	393
2015	28,215	71	411
2016	27,630	79	378
2017	23,890	134	371
2018	25,743	130	298
2019	24,829	122	357
2020	23,893	79	352
2021	22,890	61	308
2022	24,640	96	287
2023	24,945	80	262
2024			
2025			

* Information not available

Appendix 4A

Seed Services Update

November 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 will be 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 will be 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 have been sent to four labs, including the OSU Seed Lab so that one primer will be chosen. Once the best primer and technique have been developed, they will be shared with some international seed labs, to test the efficacy of the primer. 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.

Appendix 5A



Andrew Altishin

Oregon Seed Certification Service

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

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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

Active Growers in 2023 - 608

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)

Appendix 6A

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 4 are still with us. I believe we will finish up with 3.
 - Purity Supervisor Position was eliminated this year due to budget constraints.

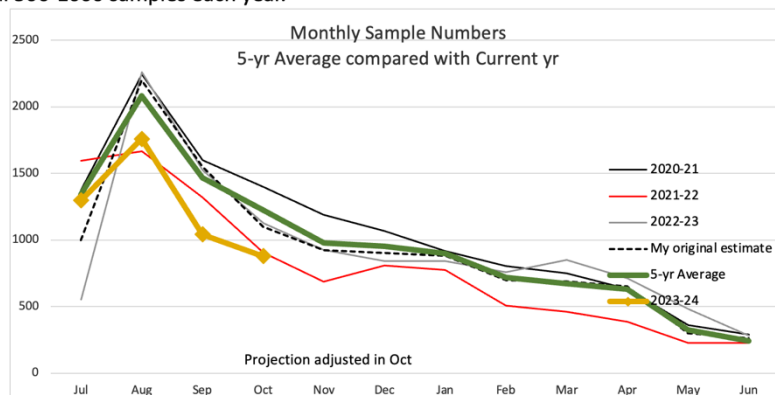
- **ISTA Audit**

- 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.



Appendix 7A

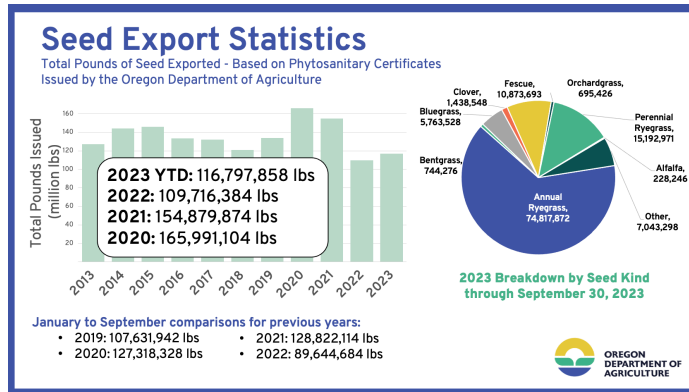
Cereals Advisory Committee Update November 6, 2023



Seed Regulatory Program Updates

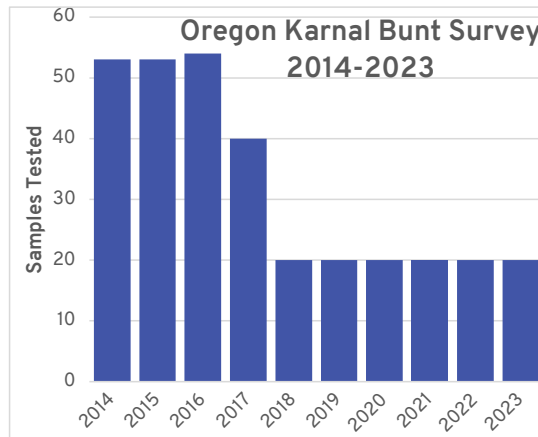
Export Statistics

- Please see attached.



Karnal Bunt Survey

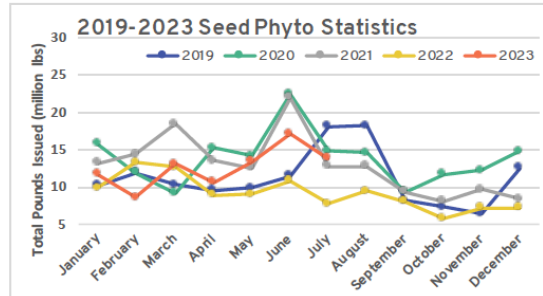
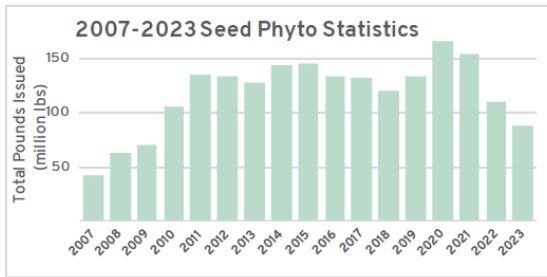
- Twenty samples from Gilliam (3), Linn (1), Morrow (8), Sherman (6), and Union (2) counties were tested for the causal agent of karnal bunt, *Tilletia indica*. Samples were sent to the USDA APHIS PPQ lab in Arizona for testing. None of the samples collected in Oregon tested positive for karnal bunt in 2023, or since the survey work started in 2004.



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

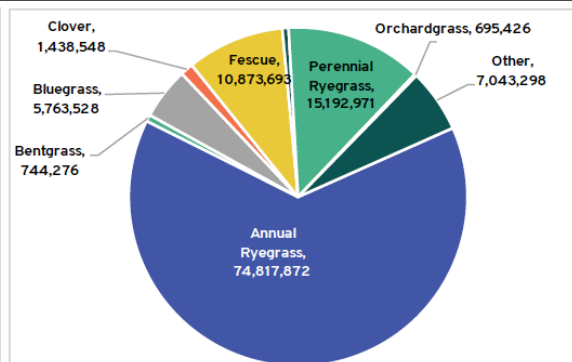
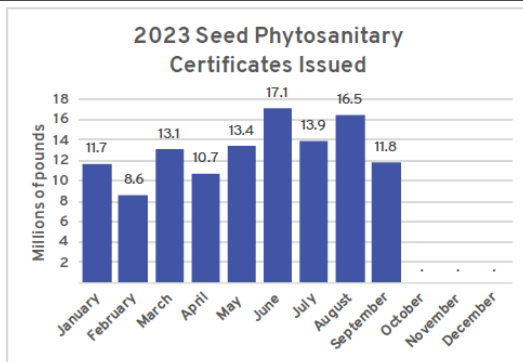
	January	February	March	April	May	June	July	August	September	October	November	December	TOTALS
2007	5,041,737	3,958,794	3,703,147	2,577,687	1,873,022	2,781,983	2,732,831	4,111,166	2,486,030	2,662,651	3,974,573	6,610,992	42,514,613
2008	8,366,218	5,441,006	5,220,102	4,785,036	6,918,967	5,849,781	5,863,403	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



Oregon Department of Agriculture

Seed Regulatory Program

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

Country	Seed Kind										Grand Total
	Annual Ryegrass	Bentgrass	Bluegrass	Clover	Fescue	Orchardgrass	Other	Perennial Ryegrass	Alfalfa		
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

Appendix 8A



WASHINGTON STATE CROP IMPROVEMENT ASSOCIATION

2575 NE Hopkins Court
Pullman, WA 99163

Phone 509-334-0461
www.washingtoncrop.com

10-12-2023

2023 WSCIA Foundation Seed Services Update

Washington State Crop Improvement Association Foundation Seed Services continues to make advances to operational efficiency. Most recently we have purchased a new seed treater from KSi. This has allowed us to continue cleaning seed while treating seed for orders. Previously, our equipment only allowed for treating or cleaning, not both due to the use of legs for seed movement. The new treater is a stand-alone box to box unit with much more capacity than our old system and does a better job applying seed treatment (improved & more uniform coverage).

Darlene Hilkin, office manager for FSS announced her retirement for next spring. Cheyan James has already been hired to replace Darlene so we can have many months of cross over training.

Overall, the production year went well with average yields. We did lose the Buck and Thunder barley production due to cold damage. We are trying to improve our methods of weed control even with WSU Othello farm plant back restrictions. With winter wheat planting happening now, we are trying to get done as quickly as possible before fall weather really sets in.





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2023 Harvest and Sale Review:

FSS continues to utilize Rush and Super Rush services at WSDA Seed Program in order to expedite analysis results. The testing backlog was much less this year due to WSDA staffing up and starting overtime shifts earlier in the season to prevent a backlog from occurring.

FSS struggled a bit with weather during harvest due to the unusual August precipitation brought in by hurricane Hilary. Many of the new OSU Barleys suffered from preharvest sprout and some mechanical damage. This led to some [poor germination](#) tests so we will be replanting and keep a close eye on it for better results in 2024.

Overall transportation costs were down from previous years due to FSS staff transporting all the seed. This allowed for timely deliveries to our Pullman cleaning facility to get seed lots cleaned and tested. However, this did increase our fuel and maintenance costs. Roguing costs continue to increase and we really try to minimize any overtime to keep costs down.

Foundation:

Alba Winter Barley 4,617lbs (in-dirt)
Bobtail SWW 13,404lbs
~~Lontra~~ Winter Barley 390lbs
Top Shelf Winter Barley 339lbs
DH170472 Winter Barley 602lbs
Lightning Winter Barley 2495lbs (in-dirt)
OR2170599 SWW 3067lbs (in-dirt)
ORI2190025 CL+ SWW 5255lbs (in-dirt)
ORI2190027 CL+ SWW 3633lbs (in-dirt)
Stephens SWW 9253lbs
Successor Spring Barley 11792lbs (in-dirt)

Breeder:

OR2170599 SWW Head Row 560lbs
ORI2190025 CL+ SWW Head Row 679lbs
ORI2190027 CL+ SWW Head Row 1798lbs

2023 Fall Planting

Foundation:

Stephens SWW 3ac
Buck WB 2ac
Alba 1ac
Roselyn 1ac
Thunder WB 1ac
~~Lontra~~ 1ac
Top Shelf 1ac
DH170472 1ac

Appendix 9A

6a

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.