

**MOVING SEED
THROUGH THE
PACIFIC NORTHWEST**

**OREGON'S
PERSPECTIVE**

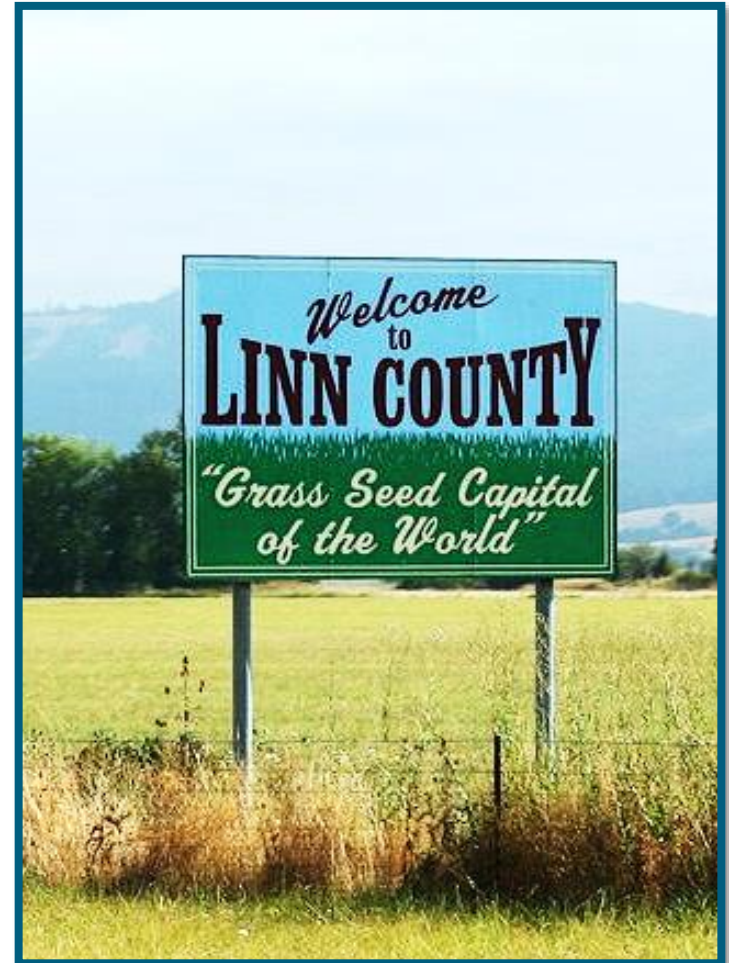


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Market Access & Certification Program Area

GRASS SEED INDUSTRY

- 4th largest agricultural commodity
- ~\$517 million in 2018
- > \$1 billion in annual economic activity

Seed Kind	Acres	Production (lbs)	Value
Alfalfa	9,960	5,695,000	\$13,782,000
Annual ryegrass	123,780	221,712,000	\$108,639,000
Bentgrass	7,030	3,959,000	\$112,534,000
Bluegrass	23,230	26,624,000	\$38,355,000
Perennial ryegrass	74,030	110,916,000	\$85,405,000
Tall fescue	142,570	239,902,000	\$208,715,000
Totals:	380,000	608,808,000	



SPECIALTY SEEDS

- ~\$50 million annually
- Carrot – 65% of US production
- Sugarbeet – 71% of US production
- Other seed kinds:
 - Brassicas
 - Alliums
 - Cucurbits
 - Swiss chard
 - Flower seeds



SERVICES PROVIDED FOR THE SEED INDUSTRY

- Seed Sampling
- Seed Verification
- Seed Testing
- Field Inspections
- Phytosanitary Certificates
- Export Assistance
- Outreach & Education
- Seed Law Enforcement



SEED TESTING LABORATORY

Service

Pest & Disease (P&D) inspection (untreated or treated seed; includes soil visual inspection)

Bacteria tests (isolation or molecular test; per species)

Endophyte testing (50 seed immunoblot)

Fungal isolation (per species)

Fungal molecular test (per species)

Fungal spore wash or blotter test (per species)

Korean spore wash

Nematode testing (seed, soil, or tissue)

Nematode molecular test (per species)

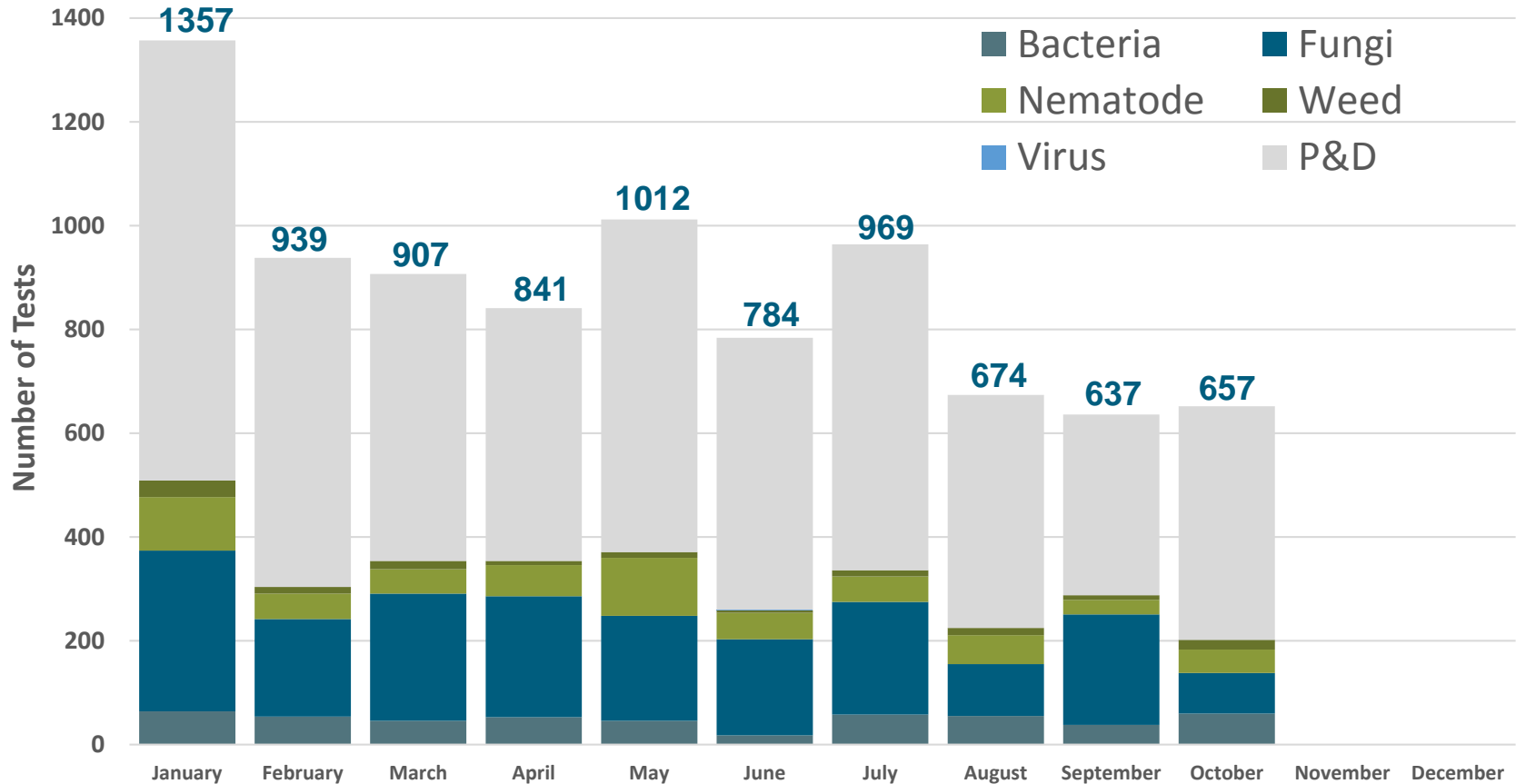
Soil testing (percentage by weight)

Virus testing (ELISA or other molecular test)

Weed testing (molecular test; *Amaranthus*, *Glyceria*, or *Orobanche*)



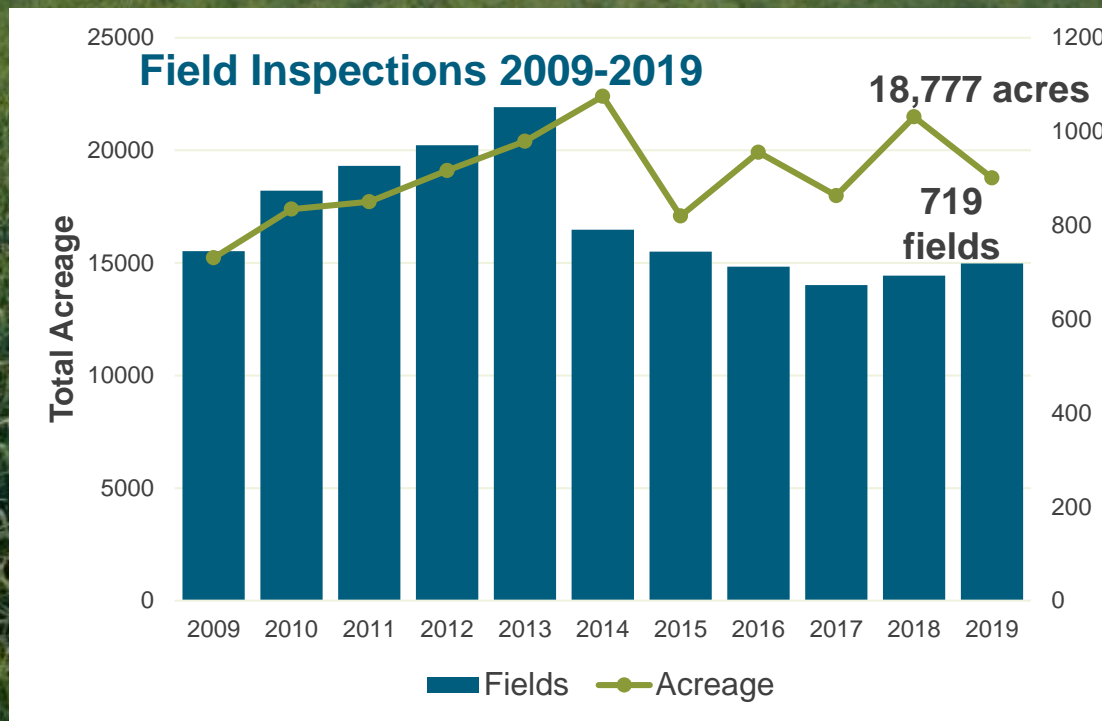
EXPORT SEED TESTING – 2019 (YTD)



- Nearly 9,000 tests in 2019 (through October 31)

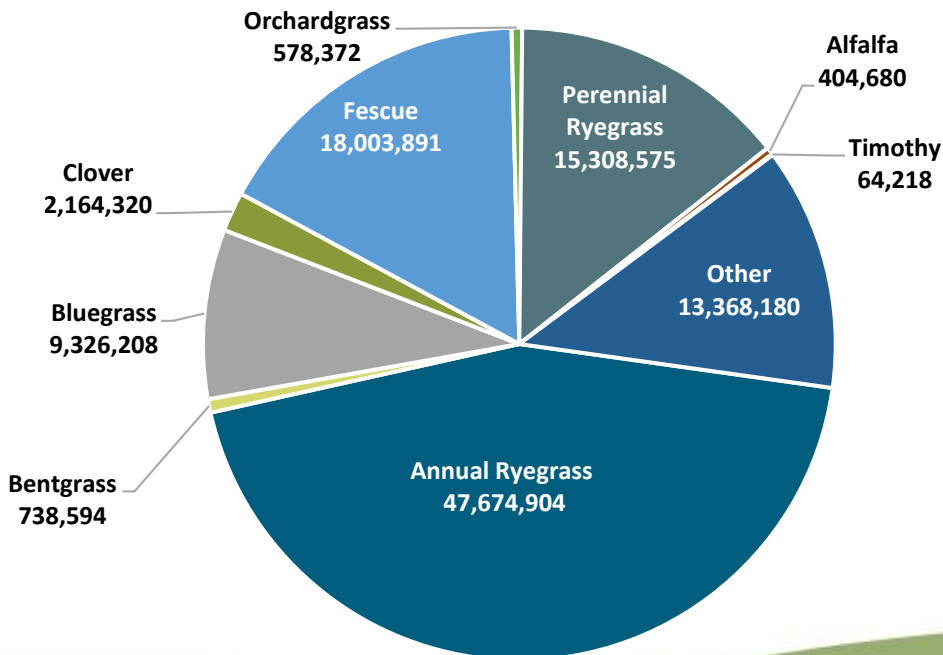
FIELD INSPECTION

Allium White Rot
(*Sclerotium cepivorum*)
Potato Late Blight
(*Phytophthora ramorum*)
Mint Verticillium wilt
(*Verticillium dahliae*)
Export fields (many
diseases)

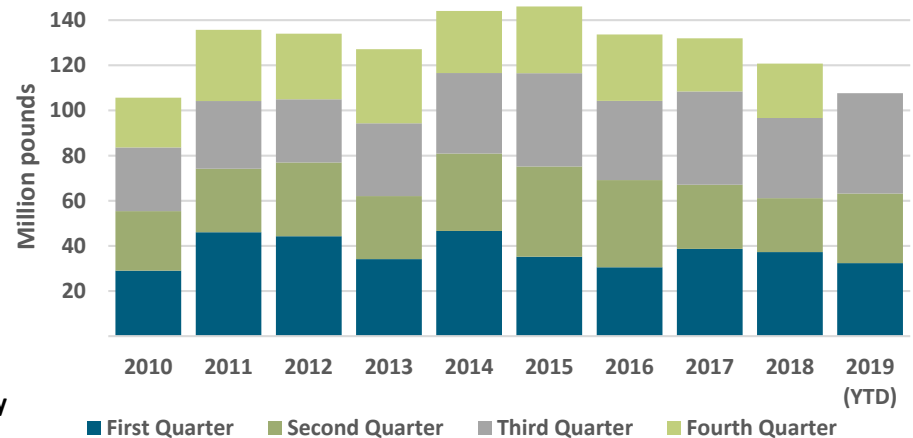


SEED PHYTOSANITARY CERTIFICATES

Through 3rd quarter 2019,
exports are 111% of 2018



2010-2019 - Seed Phytosanitary Certificates*

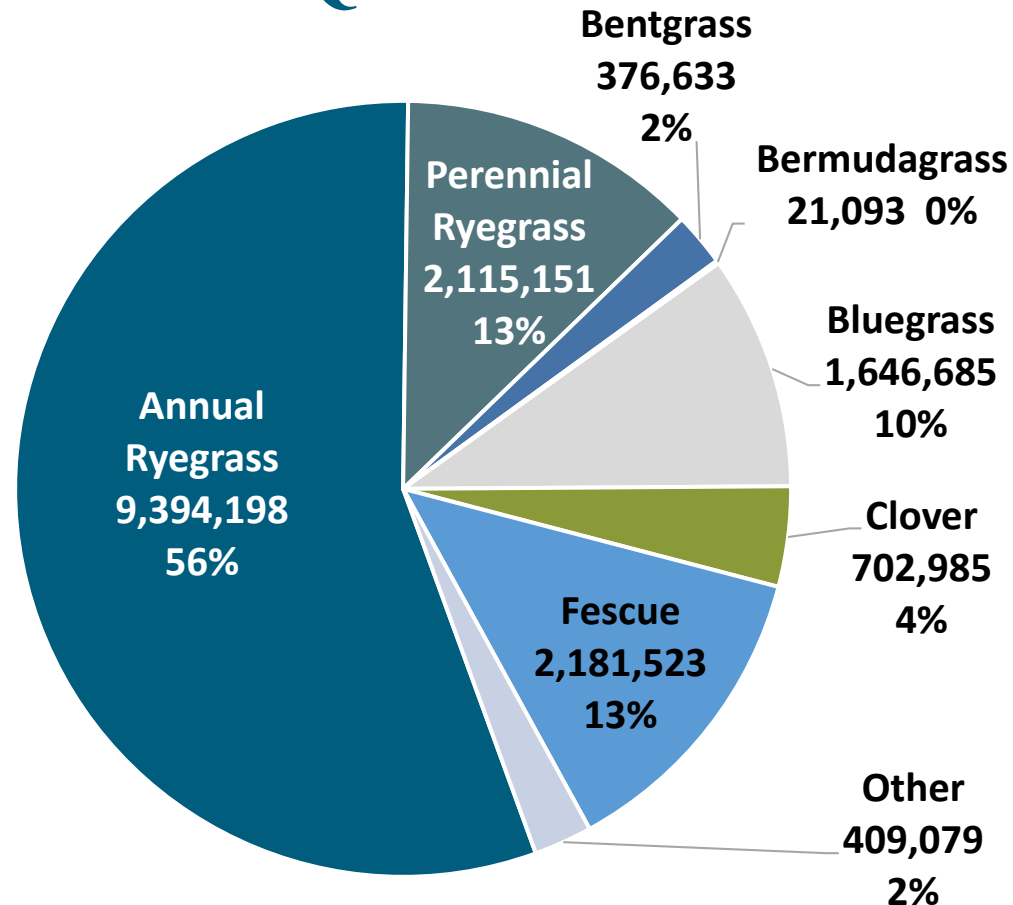


Annual Ryegrass was the most
exported seed kind in 2019 (YTD) –
nearly 50 million lbs so far

NEW EUROPEAN UNION REQUIREMENTS

- All plant material requires a phytosanitary certificate as of December 14, 2019
- Seed – most Oregon exporters already get phytosanitary certificates
- ~18.5 million lbs of seed exported* to the EU in 2019 YTD → ~17% of all seed exports

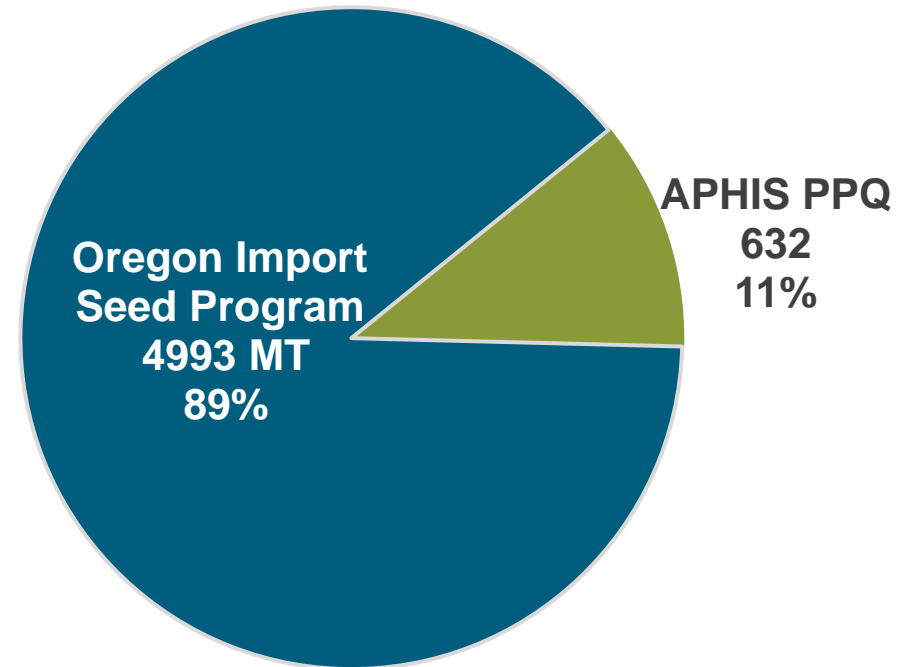
<https://oda.direct/EURequirements>



Oregon Seed Exports* to the EU 2019 YTD

IMPORT SEED QUARANTINE PROGRAM

- Implemented ~15+ years ago to address inefficiencies and costs to Oregon seed importers
- MOU between ODA, USDA APHIS PPQ, and US Customs and Border Protection
- Currently, there are 19 bonded warehouses in the program
- CBP is proposing to eliminate this program by December 2020



5,625 MT in total imported seed in the U.S in 2018 → 89% came through Oregon

IMPORT SEED QUARANTINE PROGRAM PROCESS



1. Containers come directly from the ports to warehouses in the Willamette Valley

2. Seed is unloaded under ODA supervision & put into a designated Quarantine area



4. APHIS inspects and clears the lots for entry into commerce



3. ODA inspectors sample each lot and send the samples to APHIS for inspection



HEMP & HEMP SEED

- 849 seed producers
- www.oda.direct/HempSeed
- **Challenges:**
 - Labeling requirements
 - Seed licensing
 - Lack of disease incidence knowledge
 - Potential disease & weed seed introductions
- **Exports:**
 - Australia, Ecuador, Peru, Jamaica

Involvement with Seed & Sales	Registration Requirements				
	Hemp Grower		Hemp Handler	Hemp Seed Producer	Retail Seed Dealer Wholesale Seed Dealer
Cleaning or conditioning of agricultural hemp seed	✓	OR	✓	AND ✓	
Selling or offering for sale only agricultural hemp seed you produce	✓	OR	✓	AND ✓	
Seed broker who does not take possession of agricultural hemp seed					✓
Seed reseller who takes possession of agricultural hemp seed <i>Viable hemp seed is legally defined as hemp, therefore a registration is required.</i>			✓		
A. Selling or offering for sale agricultural hemp seed produced by others to growers for planting				AND	✓
B. Selling or offering for sale agricultural hemp seed produced by others to retailers, distributors, brokers, or other wholesalers for resale					OR ✓
The state of Oregon does not recognize seed licenses issued by other states. If you sell in Oregon, you must meet the above requirements. More information on hemp: https://oda.direct/hemp and seed licenses: https://oda.direct/SeedLicenses					

**THANK YOU!
QUESTIONS?**

CONTACT INFORMATION

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On the web:

Plant Health Program: <https://oda.direct/PlantHealth>

Seed Regulatory Program: <https://oda.direct/SeedLaws>

Hemp Seed: <https://oda.direct/HempSeed>

