**Oregon State University Seed Laboratory**

**Seed Quality Management Workshop – Spring, 2019**

**Production, Management, Testing and Storability**

*(all items would be in the form of interactive discussion)*

**Dates** Week of March 18-19 and/or 25-26

**Attendees** Maximum 20 people (can be repeated if needed).

**Location** OSU Seed Lab.

**Agenda**

**Day 1.**

* Welcome and introduction.
* Seed Quality Management: the system, its components and procedures.
* Factors affecting yield and yield components**.**
* **Break**
* Control of weeds in grass seed fields.
* Controlling slugs in the Willamette valley.
* Seed Certification, importance, procedures, challenges.
* **Lunch**
* OSU database system: an effective tool for communication between customers and the lab.
* Orange and blue certificates, requirement and procedure.
* OSU Seed Lab tour
* **Break**
* Principles and procedures of grass seed conditioning.
* Sampling: importance, procedure and the effect on test results.

**Day 2.**

* Variability in seed testing results among labs.
* Measuring seed purity: all state noxious, sod quality, UGS, seed-soil bank test, grading, testing for Canada, Australia, and other countries**.**
* Measuring planting value: Seed viability: Germination, dormancy, fluorescence, grow-outs, ammonia and vigor tests.
* **Break.**
* Special tests: TZ, Thermogradient germination test, Ploidy, glyceria, seed moisture content. Endophyte, Clearfield, potential AxiGen.
* New services: seed pathology, potential DNA test, research on various aspects of seed quality, such as seed coating, effect of excessive herbicide, and heat damage.
* Maintain and monitoring grass seed quality in storage**.**

**Concluding the workshop & distribution of Certificates of Attendance.**