

**2025 - AOSA/SCST Annual Meeting – Missoula, MT**

**Statistics Workshop**

**Agenda**

**Sunday June 8, 1:00 – 5:00 pm**

The workshop will cover the following topics:

1. Why do seed test results differ among labs?
  - o Problems associated with differences in seed testing results.
  - o Types of errors that lead to mistakes in rejecting and accepting samples.
  - o Factors that contribute to differences in test results among labs.
  - o Ways to measure and reduce differences in test results.
2. Calculations of the fluorescence in blends and mixtures of ryegrasses.
  - o Varieties with low VFL,
  - o High VFL,
  - o No VFL description,
  - o Unknown amounts of annual and perennial ryegrass.
3. Proposed purity tolerance tables for native species.
  - o Native species tolerances for comparing purity test results of two subsamples from the same submitted sample of the same seed lot analyzed in the same or different laboratory (2-way test,  $P=0.1\%$ ).
  - o Native species tolerances for comparing purity test results of two different submitted samples from the same seed lot analyzed in the same or in different laboratories (1-way test,  $P=0.01\%$ ).
4. Participants can send questions before or during the workshop on tolerances or analyzing research data.