**Retesting Written Exercise**

**2014-2015 Proficiency Test**

**Submit Results on Survey Monkey:**

<https://www.surveymonkey.com/s/RetestPT2014-2015>

**Results Due March 1, 2015**

For each situation described, decide whether the sample should be rested.

1. You have a sample of *Zea mays* planted in 4 replicates of 100 seeds. One of the replicates dried out.

[ ] Yes

[ ] No

1. A sample of *Triticum aestivum* was planted in 4 replicates of 100 seeds. The germination of the 4 replicates are: 48, 52, 57, and 53. Each replicate also has the following % abnormals with short, stubby, thickened roots: 40, 32, 20, and 37.

[ ] Yes

[ ] no

1. A sample of *Lolium perenne* was planted in 4 replicates of 100 seeds. The germination of the 4 replicates are: 88, 79, 87, and 85.

[ ] Yes

[ ] No

1. Two subsamples were taken for *Glycine max* the average germination of the first subsample was a 96% and the second subsample was an 89%.

[ ] Yes

[ ] No

1. A sample of *Phaseolus vulgaris* was planted in 16 replicates of 25 seeds. The number of normal seeds for each replicate are as follows: 20, 17, 24, 19, 15, 23, 18, 18, 21, 23, 16, 22, 20, 19, 17, 19.

[ ] Yes

[ ] No

1. A sample of *Phleum pratense* was planted in 4 replicates of 100 seeds. The germination of the 4 replicates is 63, 68, 65, and 67. The average % abnormals is 28% with all short stubby roots.

[ ] Yes

[ ] No

1. A TZ was conducted on *Avena sativa* one replicate of 100 seeds was an 87% the other replicate of 100 seeds was a 79%.

[ ] Yes

[ ] No

1. A TZ was conducted on *Festuca arundinaceae* the average of test 1 is a 92% and the average of test 2 is an 86%.

[ ] Yes

[ ] No

1. A moisture test was conducted on *Brassica rapa* subsp *rapa*  replicate one moisture was 9.2% and replicate two moisture was 9.5%.

[ ] Yes

[ ] No

1. A moisture test was conducted on *Lactuca sativa* the first subsample had a moisture content of 7.8%. A second subsample had a moisture content of 8.4%.

[ ] Yes

[ ] No

1. A moisture test was conducted on *Capsicum* spp. The first subsample had a moisture content of 9.0%. A second subsample had a moisture content of 9.5%.

[ ] Yes

[ ] No

1. A sample of *Trifolium pretense* in a mixture was tested for a 200 seed germination test. The germination for the two replicates was an 84% and a 93%.

[ ] Yes

[ ] No

1. A sample of *Dactylis glomerata* in a mixture was tested for a 200 seed germination test. The germination for the two replicates was a 60% and a 75%.

[ ] Yes

[ ] No

1. A TZ test was conducted on *Beta vulgaris* subsp *vulgaris*. The first analyst received an 85%. The second analyst received a 92%.

[ ] Yes

[ ] No

1. A sample of *Glycine max* was planted in 8 replicates of 50 seeds. The number of normal seeds for each replicate are: 40, 35, 43, 48, 45, 45, 37, 47.

[ ] Yes

[ ] No

1. A sample of *Secale cereale* was planted in 4 replicates of 100 seeds. The germination of each replicate are: 43, 55, 59, and 48.

[ ] Yes

[ ] No

1. A sample of *Schizachyrium scoparium* was planted in 4 replicates of 100 seeds. The germination of each replicate are: 85, 89, 83, and 86.

[ ] Yes

[ ] No

1. A TZ was conducted on *LInum usitatissimum*. The first analyst received a 97%. The second analyst received a 92%.

[ ] Yes

[ ] No

1. A moisture test was conducted on *Triticum aestivum*. The first subsample was a 12.8% and the second subsample was a 13.0%.

[ ] Yes

[ ] No

1. An *Anthemum graveolens* germination was conducted in 4 replicates of 100 seeds. The germination replicates are 80, 88, 82, and 79.

[ ] Yes

[ ] No