MINNESOTA CROP IMPROVEMENT ASSOCIATION

SEED LABORATORY SERVICES

Improving your process · Enhancing your products · Increasing your profits

What is the purpose of the seed laboratory?

The MCIA laboratory tests seed for quality. Germination, physical purity—including other crop and weed contaminants—varietal verification, vigor, and herbicide tolerance tests are conducted by the lab, as well as other crop-specific tests.

Who determines how seed is tested?

The MCIA seed laboratory follows testing rules established by the Association of Official Seed Analysts (AOSA). These rules, used by regulatory agencies and commercial labs throughout the U.S., set the standard for seed testing in North America and are recognized internationally.

Why should my seed be tested?

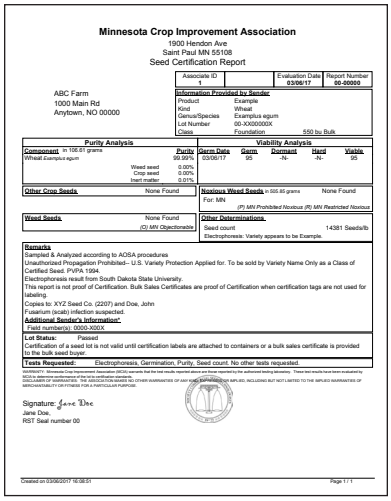
Seed testing is the final step in the seed certification process. The test results will be used to verify that the seed standards have been met for that particular crop and seed class. Seed lots certified by MCIA are required to be tested at the MCIA seed laboratory, except for native species, which may be tested at MCIA or authorized labs. Testing information can also be used for labeling and/or quality assurance. Service testing is available for unconditioned seed and seed that is not in the certification program. A host of tests offered, including germination, vigor, purity, and moisture, can help a seed producer, seller, or buyer assess seed quality.

How do I submit samples?

Sample bags are available from the MCIA office for submitting your samples. Fill the bag up to the top line for large-seeded agronomic crops, and to the middle line for most natives, grasses, and small-seeded legumes. Include an MCIA Sampling Report, available on our website or from the MCIA office, to provide information about your seed lot. The form is required for certified samples and is beneficial for service samples.

What should I look for after testing?

Seed tested as part of final certification will receive a Seed Certification Report, indicating the test results and a passed or failed status. Preliminary samples, carryover seed, and non-certified seed will receive a Laboratory Report of Analysis, which will indicate the results of the tests requested. You can receive preliminary and final results by e-mail, and a final report will be mailed to you.



Minnesota Crop Improvement Association
1900 Hendon Ave
Saint Paul MN 55108
Seed Certification Report

Associate ID		Evaluation Date	Report Number
1		03/06/17	00-00000

ABC Farm
1000 Main Rd
Anytown, NO 00000

Information Provided by Sender

Product	Example
Kind	Wheat
Genus/Species	Examplus egum
Lot Number	00-XX00000X
Class	Foundation 550 bu Bulk

Purity Analysis

Component In 106.61 grams	Purity	
Wheat Examplus egum	99.09%	
Weed seed	0.00%	
Crop seed	0.90%	
Inert matter	0.01%	

Viability Analysis

Germ Date	Germ	Dormant	Hard	Viable
03/06/17	95	-N-	-N-	95

Other Crop Seeds None Found

Noxious Weed Seeds in 500.85 grams None Found
For: MN
[P] MN Prohibited Noxious [R] MN Restricted Noxious

Weed Seeds None Found
(C) MN Objectionable

Other Determinations
Seed count 14381 Seeds/lb
Electrophoresis: Variety appears to be Example.

Remarks
Sampled & Analyzed according to AOSA procedures
Unauthorized Propagation Prohibited– U.S. Variety Protection Applied for. To be sold by Variety Name Only as a Class of Certified Seed. PVPA 1994.
Electrophoresis result from South Dakota State University.
This report is not proof of Certification. Bulk Sales Certificates are proof of Certification when certification tags are not used for labeling.
Copies to: XYZ Seed Co. (2207) and Doe, John
Fusarium (scab) infection suspected.
Additional Sender's Information:
Field number(s): 0000-X00X

Lot Status: Passed
Certification of a seed lot is not valid until certification labels are attached to containers or a bulk sales certificate is provided to the bulk seed buyer.

Tests Requested: Electrophoresis, Germination, Purity, Seed count. No other tests requested.

WARRANTY: Minnesota Crop Improvement Association (MCIA) warrants that the test results reported above are those reported by the authorized testing laboratory. These test results have been evaluated by MCIA to determine conformance of the lot to certification standards.
MCIA MAKES NO WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Signature: Jane Doe
Jane Doe,
RST Seal number 00

Created on 03/06/2017 16:08:01 Page 1 / 1

For more information, call MCIA or visit our web site at www.mncia.org

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