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## 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			
ABC Farm 1000 Main Rd Anytown, MN 00000	Assessment ID 1	Evaluation Date 03/06/17	Report Number 00-0000
<b>Information Provided by Sender</b>			
Product	Example		
Cultivar/Species	Wheat	Example spgum	
Lot Number	00-00000000		
Class	Foundation	550 bu Bulk	
<b>Purity Analysis</b>		<b>Viability Analysis</b>	
Comments: 100% 01 grams	Purity	Germin Date	Germin
Wheat Carryover	99.9%	03/06/17	99
Wheat seed	0.0%		0
Crop seed	0.0%		0
Inert matter	0.01%		0
<b>Other Crop Seeds</b>		<b>Nonviable Wheat Seeds</b> (out of 100)	
None Found		For MN 1st 1st/1st/1st/1st/1st 1st/1st/1st/1st/1st	
<b>Wheat Seeds</b>		<b>Other Determinations</b>	
None Found (0) 1st/1st/1st/1st/1st		Seed count 14381 Seedlets	
Electrophoresis: Variety appears to be Example.			
<b>Remarks</b>			
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. PVP# 1584			
Electrophoresis result from South Dakota State University			
This report is not proof of Certification. Both State Certificates are proof of Certification when certification tags are not used for labeling.			
Copies to: 912 Seed Co. (2017) and Don John			
Fusarium (oat) infection suspected			
<b>Additional Sender's Information:</b>			
Field numbers: 0000-0000			
<b>Lot Status:</b> 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.			
<b>Tests Requested:</b> Electrophoresis, Certification, Purity, Seed count. No other tests requested.			
Signature: Jane Doe			
Date: 03/06/17			
RST Seal number: 00			
			
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For more information, call MCIA or visit our web site at [www.mncia.org](http://www.mncia.org)

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