



Quick Info Card

Wheat Midge Refuge Testing

20/20 Seed Labs Inc. offers Wheat Midge Refuge Testing. We accept samples for the following varietal blends:

AAC Alida/ AAC Brandon	AAC Jatharia/ AC Carberry	AAC Tenacious/ AAC Crusader	Conquer/ 5701PR
AAC Awesome/ AC Andrew	AAC LeRoy/ AAC Redberry	AAC Weyburn/ Precision	Goodeve/ AC Intrepid
AAC Broadacres/ AAC Brandon	AAC Marchwell/ AAC Raymore	AAC Wheatland/ AAC Brandon	KWS Sparrow/ KWS Alderon
AAC Cameron/ AC Carberry	AAC Paramount/ AC Andrew	AC Sadash/ AC Andrew	Shaw/ AC Domain
AAC Chiffon/ AC Andrew	AAC Prevail/ CDC Plentiful	CDC Adamant/ CDC Bradwell	SY Brawn/ SY Cast
AAC Darby/ AAC Hassler	AAC Rimbey/ AAC Penhold	CDC Carbide/ CDC Vivid	SY Chert/ SY Sovite
AAC Dutton/ AAC Brandon	AAC Russell/ AAC Brandon	CDC Hughes/ Cardale	SY479/ SY433
AAC Foray/ AAC Penhold	AAC Starbuck/ AAC Brandon	CDC Landmark/ AAC Viewfield	Unity/ Waskada
AAC Hodge/ AAC Hockley	AAC Succeed/ CDC Alloy	CDC Titanium/ AC Stettler	Vesper/ Waskada
AAC Indus/ AC Andrew		CDC Utmost/ Harvest	

Our testing method has undergone rigorous internal and external validation processes. 20/20 Seed Labs Inc. is authorized by CSGA, FP Genetics and SeCan to test for Wheat Midge

Using Midge Tolerant Wheat varieties (<https://midgetolerantwheat.ca/farmers/>) protects genetic resistance while minimizing yield loss. Yearly testing is crucial in order to ensure the seed lot has the required level of refuge present.



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Without the refuge system midge tolerance could break down within 10 years and there is currently no backup genetic resistance to rely on.

Be aware that wheat kernel damage can affect mixes and refuge levels.

Damage to wheat kernels will vary within a single head. Kernels may have slight damage or be aborted entirely. Others will not fully develop and will be so small and light, they will pass through the combine with the chaff during harvest. Yield loss and quality loss are key concerns at harvest.



[Additional assessment information available at Grains Canada.](https://www.grainscanada.gc.ca/en/grain-quality/grain-grading/grading-factors/grading-factors-wheat/midge-damage.html)

Photos: <https://www.grainscanada.gc.ca/en/grain-quality/grain-grading/grading-factors/grading-factors-wheat/midge-damage.html>

Refuge varieties can provide the testing information recognized by the industry to ensure the ongoing success of the midge tolerant system.

Testing Report includes:

- Percent of refuge and Midge Tolerant Wheat
- Name of the varietal blend
- Seed pedigree
- Test reference method in order to provide refuge declarations to CSGA.

The Sample Submission Form can be found on the **Wheat Midge Tech Bulletin** or requested by email support@2020seedlabs.ca.

For additional information on scouting, field and crop inspections contact us at support@2020seedlabs.ca

More information can be found on the **Wheat Midge Tech Bulletin**.

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