

AG-QUEST | HERBICIDE RESISTANCE ASSAY LABORATORY

#210 South Railway St., Box 144, Minto, Manitoba, R0K 1M0 (Attn: Dr. Haisheng Xie)

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RESISTANCE TEST SERVICES AT AG-QUEST

Herbicide-resistant weeds are an ever increasing problem in western Canada. Ag-Quest conducts resistance tests to help producers identify herbicide-resistant populations in weed SEED samples. Assays are conducted on live plants in growth rooms treated with the requested herbicide(s). Test results are derived by comparing the growth and development of tested weed samples with known resistant and susceptible weed populations. We can test major annual weeds (wild oats, green foxtail, cleavers, kochia, lamb's-quarters, redroot pigweed, shepherd's-purse, smartweed, stinkweed and wild mustard, etc.) with most post-emergent herbicides and some soil-applied herbicides. New tests are being developed as the need arises. We will NOT disclose the grower/field information without consent.

Note: Assay results are based on the sample of weed seeds sent to our lab, and the results will only reflect the herbicide resistance in that particular sample. The samples may or may not be representative of the whole field, depending on sample collecting methods. Actual response under field conditions may occasionally vary from the lab results.

Any liability for work contracted to Ag-Quest will be limited to the quoted cost for the work affected. Except for the quoted cost, any other warranty or liability of any kind and recovery of any incidental or consequential damages or claims is specifically excluded.

SEED SAMPLE REQUIREMENTS

Please ensure to collect **MATURE & DRY** weed seeds. Field should **NOT** have been sprayed with pre-harvest glyphosate. Put **DRY** seeds in paper bags or envelopes; **DO NOT** use plastic bags. Send at least 25 g (1 oz) for small-seed weeds or 50 g (2 oz) for wild oat seeds for each herbicide test. More seed will be needed for testing multiple herbicides. Please ship **DRY** samples ASAP. Samples received **before February 1** will ensure results prior to spring seeding.

*** * * SAMPLE SUBMISSION DEADLINE – FEBRUARY 1 * * ***

RESISTANCE ASSAY PRICES

All weeds \$ 115.00 + GST per herbicide (per test)

Volume Discount

> 10 tests 5% discount
> 50 tests 10% discount
> 100 tests 15% discount

Note: DO NOT send the payment with the samples. An invoice will accompany the test results. Please pay based on the invoice - make the cheque payable to Ag-Quest Holding Ltd. Credit cards are **NOT** accepted. Prices are subject to change without notice.

SEED SAMPLE SUBMISSION FORM

Please complete the form (TYPE or PRINT) below for every sample submitted.

CLIENT INFO*	FIELD INFO
Company:	Weed:
Contact Name:	Date of Collection:
Address: City: Province: Zip:	Field ID:
Phone:	Herbicide Use in 2017:
Fax:	Field Desiccated in 2017: Yes___ No___
Email:	Lab ID (Lab Use Only):

* Party to be invoiced.

HERBICIDE(S) TO BE TESTED (\$ 115.00 + GST per herbicide)

<u>Group 1:</u>		
<input type="checkbox"/> Clethodim	<input type="checkbox"/> Pinoxaden	<input type="checkbox"/> Sethoxydim
<input type="checkbox"/> Clodinafop	<input type="checkbox"/> Quizalofop	<input type="checkbox"/> Tralkoxydim
<input type="checkbox"/> Fenoxaprop		
<u>Group 2:</u>		
<input type="checkbox"/> Florasulam	<input type="checkbox"/> Imazamox+Imazethapyr	<input type="checkbox"/> Thiencarbazone
<input type="checkbox"/> Flucarbazone	<input type="checkbox"/> Imazethapyr	<input type="checkbox"/> Thifensulfuron
<input type="checkbox"/> Imazamethabenz	<input type="checkbox"/> Metsulfuron	<input type="checkbox"/> Thifensulfuron+Tribenuron
<input type="checkbox"/> Imazamox	<input type="checkbox"/> Pyroxsulam	<input type="checkbox"/> Tribenuron
<input type="checkbox"/> Imazamox+Imazapyr		
<u>Others:</u>		
<input type="checkbox"/> Bromoxynil	<input type="checkbox"/> Fluoxypyr	<input type="checkbox"/> Triallate
<input type="checkbox"/> Dicamba	<input type="checkbox"/> Glufosinate	<input type="checkbox"/> Trifluralin
<input type="checkbox"/> Difenzoquat	<input type="checkbox"/> Glyphosate	Other _____

Please Ship Seed Samples (One Form Per Sample) To:

Ag-Quest Holding Ltd. (Attn: Dr. Haisheng Xie)
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