



Herbicide Resistance Testing Submission Form^{QF-189}

Billable Client Name

Address

Email

Weed Species Submitting

Grower Location (GPS) or Sample Identifier

Molecular Assay Selection for Weed Species and Herbicide Group (s)

Sampling & Packaging instructions on Page 2

OPTION 1: SINGLE LEAF TISSUE SUBMISSION: \$40.00 plus tax for each Group.

Wild Oat	Kochia	Other Weed:
Group 1	Group 2	Group:
Group 2	Group 5	
	Group 9	

OPTION 2: FIELD SCAN OF 10 LEAVES SUBMISSION: \$300.00 plus tax for each Group.

Wild Oat	Kochia	Other Weed:
Group 1	Group 2	Group:
Group 2	Group 5	
	Group 9	

Additional Information (Optional)

Courier package (express box or envelope)to:

Turnkey Genomics: Unit A9, 550 Parkside Drive, Waterloo, Ontario, N2L 5V4.

You will receive the test results and invoice from SGS Canada 1.800.952.5407

SINGLE LEAF TISSUE SUBMISSION: \$40.00 plus tax for each Group.

- 1) The most important aspect of collecting plant tissue is to make sure it is collected as **DRY** as possible. Avoid early morning collection (dew) or after rainfall.
- 2) If the tissue sample has excess moisture, place the leaf tissue between paper towel to dry tissue before shipment. Plant material should be dried for 24 hours.
- 3) Place single plant tissue sample in a ziploc or paper bag.

FIELD SCAN OF 10 LEAVES SUBMISSION: \$300.00 plus tax for each Group.

Sample Collection Kits will be provided for **FIELD SCAN**

Contact ca.cropscience@sgs.com for kits, which will include:

- 1 “Ziploc” type plastic freezer bags (27 cm X 27 cm)
- 10 “Ziploc” type plastic freezer bags (16.5 cm X 15 cm)
- 10 Unwaxed paper coin envelopes with labels indicating required information
- Silica gel beads (10 grams)

Collecting plant tissue samples:

- 1) Pull/cut/rip a piece of leaf tissue, about the size of a quarter/your thumbnail
- 2) Place leaf sample in an unsealed paper coin envelope
 - a. Do not place samples from more than one plant in each envelope



- 3) **To determine the percentage of resistant plants in a field or in an area of the field, collect at 10 plant leaves (10 envelopes) per field, each taken from a different plant.** Before determining where to sample look for hot spots in the field that cannot be explained by equipment failure or weather issues.
- 4) Place the paper coin envelope in the plastic bag containing the silica gel beads
- 5) Seal the plastic bag as soon as possible, removing as much air as possible (airtight)
- 6) The plant material should be dried after 24 hours.

All SGS services are rendered in accordance with the applicable SGS conditions of service available on request and accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>