

Genetic testing of herbicide resistant weeds

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SGS Canada's Crop Science division delivers innovative laboratory services, bringing knowledge and data to facilitate impactful agricultural decisions. Can you imagine understanding your weed herbicide resistance within 1-2 weeks? SGS has partnered to deliver genetic plant tissue testing from spring to fall, delivering data which can be utilized to promptly address weed herbicide resistance. This innovation brings speed to decision making and therefore, mitigation of weeds.

SGS

Fast, precise testing for agronomists, agricultural retailers, crop protection companies and farmer producers

Herbicide resistant weeds result in decreased yield and quality due to competition for nutrients and water. With 30 weeds species proven to be resistant to herbicides in Canada, herbicide resistance weeds cost Canadian farmers millions of dollars, and this is a global issue. SGS focuses on crop science testing, delivering the most comprehensive services, from seed to sale. We analyze seed, soil, plant tissue, water, and end-use ingredients, utilizing cutting-edge methods. Through partnership, SGS is delivering genetic testing of herbicide resistance weeds, with test results ready for your agribusiness within 1-2 weeks, compared to the traditional greenhouse method which turn around lags at 6-8 months.

Get focused on genetic detection for timely weed management

When is the ideal time to consider genetic testing for weed herbicide resistance?

- Pre-seeding - Historical observations
- Growing season - Escapes observed post spraying
- Post harvest - New observations

Agronomists, agricultural retailers and farmers can now action spray decisions during the growing season or fall. Whether it is a targeted spray or full field application, understanding weed herbicide resistance builds profitability to the farm.

Both field scan and single tissue testing options

SGS bringing to western Canada genetic leaf tissue testing, as either single leaf or a field scan. Reach out to our lab for Field Scan Sample Kits, so we can provide you with the supplies to sample 10 unique plants within the field. Our premier offer is Wild Oat (groups 1 and 2) and Kochia (group 2, 5 and 9) testing. Other weeds and herbicides are available on-demand, so do reach out.

Whether you are interested in single leaf tissue testing or a comprehensive field scan, genetic testing revolutionizes weed management.

Reach us for:

- Field Scan Sample Kits or Single Leaf Sample Packaging Instructions
- Sample Submission Forms
- Pricing



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When you need to be sure