



# **PESTICIDE RESIDUE TESTING TECHNOLOGY DELIVERS ANSWERS**

SGS North America's Agricultural Services laboratories have the facilities, equipment and experience to service your complete testing needs. With cutting edge technology and standardized testing methods, SGS laboratories are fully equipped to meet your needs. Our trained scientists and technicians hold advanced degrees in chemistry as well as years of laboratory experience. Our laboratories are ISO 17025 accredited and are recognized by several agricultural associations as approved laboratories.

## PESTICIDE RESIDUE CONCERNS

Problems with spraying field crops occur due to the wrong product being applied, drift of a chemical or change in the plant environment that impacts the reaction of the plant.

SGS Brookings has the experience and capabilities to conduct pesticide residue testing on leaf and soil material of common agricultural crops.

SGS's pesticide residue testing services include testing for insecticides, herbicides, and fungicides.

The pesticide residue testing laboratory has a number of residue screens allowing for analysis of similar compounds at a single cost, including: PGR, Su, Imi, neudal.

Individual and more specialized components are also available. SGS continually strives to meet clients' needs on new and upcoming products. They expand their capabilities every season as the products on the marketing continue to expand. SGS can also assist in your research projects, providing individualized solutions.

## PESTICIDE RESIDUE SAMPLING GUIDE

### VEGETATION

- Collect leaf tissue representative of the affected area. For most analyses submit a quart-sized baggie (300 g) full of leaf tissue. For large leaves, such as later season corn or sunflowers, use a gallon bag to assure room for a representative sample. If samples are dry or you are requesting more than one extraction, please provide a larger sample.
- Samples sent to arrive by Friday may be safely sent in plastic or paper bags, with no added moisture or soil (please do not send samples over the weekend). Roots and stems are not tested for residues.
- Keep the sample refrigerated for less than 72 hours.
- Identify samples clearly.

### SOIL

- Collect random soil samples representative of the affected area. Multiple soil cores, from 4-6" deep, should be taken.
- Mix thoroughly, removing large stones, and breaking up chunks.
- Submit at least 2 cups of soil in paper/soil bag. If you are requesting more than two extractions, please provide 4 cups of soil.

### WATER

- Send at least one quart of water. If you are requesting more than two extractions, please provide two quarts of water.

Submission information should be protected from dirt or moisture by enclosing it in its own plastic bag.

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**WHEN YOU NEED TO BE SURE**

**SGS**