

# Soil and Crop Packages

Price List  
2026

A close-up photograph of a person's hands, wearing a red and black plaid shirt, gently holding and examining several stalks of golden wheat. The background is a vast, out-of-focus field of similar wheat under a bright, hazy sky. The overall tone is warm and agricultural.

**SGS**



## SOIL PACKAGES

### PACKAGE I

pH, phosphorus, potassium, magnesium (includes buffer pH, if pH is less than 6.5) OMAFRA Recommendations

### PACKAGE II

Package I plus zinc and manganese OMAFRA Recommendations

### PACKAGE III

Package I plus organic matter, calcium, zinc, manganese, base saturation, cation exchange capacity (SGS Recommendations)

### PACKAGE IV

Package I plus organic matter, calcium, base saturation, cation exchange capacity, zinc, manganese, copper, iron, boron SGS Recommendations

### HOME, LAWN & GARDEN PACKAGE

pH, phosphorus, potassium, magnesium, calcium, sodium, organic matter and total salts, with lime requirements and fertilizer recommendations

### TOPSOIL PACKAGE

Texture (sand, silt, clay), total salts (EC), pH, buffer pH, phosphorus, potassium, magnesium, calcium, cation exchange capacity, chloride, sodium, sodium adsorption ratio, organic matter. Hand written amendment recommendations and nutrient guidelines.

### PACKAGE IV by Mehlich III Extraction

Same as package IV + Aluminum  
All results by Mehlich III extraction  
No recommendations, PALA accredited method for Quebec soils

#### Options

(If no base package is selected, a base fee may apply)

Organic Matter  
Zinc  
Manganese  
Total Salt  
Boron  
Sulphate Sulphur  
Bray Phosphorus  
Aluminum (Mehlich)  
Nitrate Nitrogen  
Atrazine  
Soil Cyst Nematode  
Nematode Count  
Solvita

#### Physical Analysis

Texture (Sand, Silt, Clay)  
Sand Fraction (Particle Size Distribution)  
Bulk Density  
Hydraulic conductivity/permeability  
Packing Core (USGA)  
Proctor Mold Test

## SOIL HEALTH PACKAGE

Includes 5 tests for scoring on OMAFRA SHAP calculator: OM%, Aggregate stability, Active C, CO<sub>2</sub> Burst, PMN

## PLANT TISSUE PACKAGES

### BASIC

Nitrogen, phosphorus, potassium, magnesium, calcium

### COMPLETE

Basic plus zinc, manganese, copper, iron, boron, sulphur

#### Options

(If no package is selected, a base fee will apply)

Sulphur  
Nitrate Nitrogen  
Molybdenum  
Chloride  
Aluminum

## FERTILIZERS

N, P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O

N

P<sub>2</sub>O<sub>5</sub>

K<sub>2</sub>O

### AGRICULTURAL LIME

Dry matter, calcium, magnesium, neutralizing value, particle size, Ag Lime Index

## MANURE PACKAGES

### LIQUID MANURE

Dry matter, nitrogen, phosphorus, potassium, total salt, ammonium nitrogen

### DRY MANURE

Dry matter, nitrogen, phosphorus, potassium, ammonium nitrogen

#### Options

(If no base package is selected, a base fee may apply)

Calcium and Magnesium  
Zn, Mn, Cu, Fe, B  
Sulphur  
Total Salt  
Carbon/Nitrogen Ratio  
pH

## PESTICIDE SCREENS

Pesticide testing can be performed on water, soil and plant material. Included chemicals can be provided upon request

### GC/LC Scan

Over 400 chemical pesticides are included when testing by both GC and LC. Only those detected will be reported

### Polar A Screen (Glyphosate)

Includes 15 chemicals including AMPA, glyphosate, glufosinate and perchlorate

### Polar B Screen

#### (Diquat, Melamine, Paraquat)

Includes 20 chemicals (Diquat & paraquat not available on soil)

### Phenoxy Acid Herbicides (2,4-D and Dicamba)

Includes 20 broadleaf herbicide chemicals

Please submit 50-100g for soil and plant tissue, or 50-100 ml for water samples. Phenoxy Acid Herbicide scan requires 1 liter of water

## HEAVY METALS

Arsenic, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, zinc

This package is designed for agricultural use in obtaining Certification from the Ministry of the Environment for land applied biosolids and NASMs.

## IRRIGATION & SPRAY WATER

Total salt (EC), pH, nitrate nitrogen, phosphorus, potassium, calcium, magnesium, sodium, chloride, sulphate, zinc, manganese, copper, iron, boron, silicon, molybdenum, total hardness, bicarbonate, total dissolved solids

## FUNGAL, BACTERIAL & VIRUS SCANS

Several packages are offered to detect plant pathogens and beneficial organisms in water, media, soil, and plant material.

### HH Pathogen ONE

Select 1 fungal or bacterial pathogen to detect such as *Clavibacter michiganensis* (tomato canker). Results in 4-5 days.

### HH Pathogen ONE Virus

Select 1 viral pathogen to detect such as ToBRFV, PepMV, or CGMMV Results in 4-5 days.

### NEW! HH ALIVE & DEAD

Detects a growing list of plant pathogens with viability (live vs dead). Pair with the Pathogen ONE package to see the ratio of Living to Dead cells

### HH Fungal Scan

Best for large scale detection of fungi, fungal-like and oomycetes (400+ targets)

### HH HEALTH+

New and improved detection of all bacteria, fungi and water molds. Beneficial species are also included. Individual add-ons are available.

### OPTIONAL ADD-ONS each

Plants, Insects, Algae, Nematodes, Amphibians, Fish, Eukaryotes (General)

### HH HEALTH+ COMPLETE

A Multi-kingdom scan covering all bacteria, fungi, protists, plants, and insects.

### DNA Multiscan® Basic

A monitoring scan that reports levels of over 30 common fungal plant pathogens

### DNA Multiscan® Diagnostic

A diagnostic scan that reports 70 fungal pathogens and subspecies

### Supplies and Forms

If you require sample containers or submission forms, please contact the laboratory.

## SGS GUELPH

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Prices subject to applicable taxes and may be changed without notice. Prices effective January 2026. Rates are in Canadian funds.

All SGS services are rendered in accordance with the applicable SGS general conditions of service accessible at [http://www.sgs.com/en/terms\\_and\\_conditions](http://www.sgs.com/en/terms_and_conditions)