

Soil and Crop Packages

2023

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 AND 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, non-accredited test

Options

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

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

Physical Analysis

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

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 prep fee will apply)

Sulphur
Nitrate Nitrogen
Molybdenum
Chloride
Aluminum

FERTILIZERS

N, P₂O₅, K₂O

N

P₂O₅

K₂O

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 package is selected, a prep fee will apply)

Calcium and Magnesium
Zinc, Manganese, Copper, Boron, Iron
Total Salt
Carbon/Nitrogen Ratio
pH

HEAVY METALS

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.

COMPOST PACKAGES

Compost I

Dry matter, nitrogen, organic matter, organic carbon, C/N ratio, pH, total salt (EC), phosphorus, potassium, calcium, magnesium, sodium

Compost II

Compost I plus cadmium, cobalt, chromium, copper, mercury, molybdenum, nickel, lead, selenium, zinc, arsenic, manganese, aluminum

Options

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

PCB
Foreign Material
Solvita Test

IRRIGATION WATER

IRRIGATION 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

Supplies and Forms

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

Contact details:

SGS GUELPH

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🌐 <https://cropscience.sgs.ca>

Prices subject to applicable taxes and may be changed without notice. Prices effective February 2023. Rates are in Canadian funds.

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