

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, magnisium, 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 recommondations, 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

SOIL HEALTH PACKAGE

Includes 5 tests for scoring on OMAFRA SHAP calculator: OM%, Aggregate stability, Active C, CO2 Burst, Potential Minerizeable Nitrogen (PMN)

PLANT TISSUE PACKAGES

BASIC

Nitrogen, phosphorus, potassium, magnesium, calcium

COMPLETE

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

Options

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

Calcium and Magnesium

Zinc, Manganese, Copper, Boron, Iron

Total Salt

Carbon/Nitrogen Ratio

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HEAVY METALS

HEAVY METALS

Aluminium, 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

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

DNA MULTISCAN

This analysis can detect the presence of plant pathogenic and beneficial organisms in various mediums quickly and simultaneously.

Levels are reported as high, medium, low and not detected.

Basic Scan

Best suited to monitor and detect the presence of 30 common plant pathogens in soil, water and plant tissue including Pythium, Phytophthora and Verticillium.

Diagnostic Scan

Best suited as a diagnostic tool; can detect the presence of over 60 pathogens, sub-species and beneficial organisms.

Pesticide Scan

Over 475 chemical pesticides are included in this scan by LC and GC methods. Suitable for soil, water and produce.

Supplies and Forms

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

Contact details:

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