

SGS

**SGS
AGRI-FOOD
LABORATORIES
2011**

**AGRI-FOOD LABORATORIES IS NOW PART OF SGS,
THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY**

SOIL TESTING PACKAGES

SOIL PACKAGES

AFL Package I

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

AFL Package II

Basic I plus zinc and manganese
OMAFRA Recommendations

AFL Package III

Basic I plus organic matter, calcium, base
saturation, cation exchange capacity
AFL Recommendations

AFL Package IV

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

Options

(If no base package is selected, a \$10 base fee will apply)

Boron

Total Salt

Bray Phosphorus

Sulphate Sulphur

Organic Matter

Zinc and Manganese

Aluminum

Nitrate Nitrogen (12" or 24" depth)

Atrazine

Nematode Count

Soybean Cyst Nematode

Physical Analysis

% Sand, % Silt, % Clay

Sand Fraction

Bulk Density*

Hydraulic conductivity/permeability

TOPSOIL PACKAGE

Top Soil Basic

Texture (% sand, % silt, % clay), total salts, pH,
buffer pH, phosphorus, potassium, magnesium,
calcium, cation exchange capacity, chloride, sodium,
sodium absorption ratio, organic matter.

Written recommendations for amendments

HOME, LAWN AND GARDEN

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

SOIL PACKAGES

GPS Grid Sampling

Includes: GPS field mapping, soil sampling and soil
analysis. Colour maps and soil reports in a binder.

Soil tests: pH, organic matter, phosphorus, potassium,
magnesium, calcium, cation exchange capacity, zinc,
manganese

Rates on a per acre basis

1 Ha Grids

(2.47 acres) (330' X 330')

0.40 Ha Grids

(1.0 acres) (208' X 208')

Field Perimeter Maps

Calculation of workable acres - \$50 minimum charge

Zone Sampling

Includes maps and sample extraction. Soil analysis
extra. Samples are taken from pre-determined
management zones

Composite Plus Sampling

Includes maps and sample extraction. Soil analysis
extra. GPS boundary map with geo-referenced
random bulk composite samples every 25 acres.

Regular Sampling

plus sample analysis. Random bulk composite
samples pulled every 25 acres. No GPS mapping
included.

HEAVY METALS

Heavy Metals

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

This package is designed for agricultural use in obtaining
a Certificate of Application from the Ministry of the
Environment for application of bio-solids and NASMs.

FERTILIZERS

N, P2O5, K2O

Nitrogen, available phosphorus, soluble potash

N

P2O5

K2O

Agricultural Lime

Dry matter, calcium, magnesium, neutralizing value,
particle size, agricultural limestone index.



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 \$10 base fee will apply)

Sulphur

Nitrate Nitrogen

Molybdenum

Chlorides

Aluminum

MANURE ANALYSIS

Liquid

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

Dry

Dry matter, nitrogen, phosphorus,
potassium, ammonium nitrogen

Options

(If no base package is selected, a \$10 base fee will apply)

Calcium and Magnesium

Zinc, Manganese, Copper, Boron, Fe

Total Salt

Carbon/Nitrogen Ratio

pH

GREEN ROOF PACKAGE

Rooftop Substrate

Sand fraction, bulk density, water content,
total pore space, maximum water capacity,
air filled porosity, hydraulic conductivity/permeability,
organic matter, largest grain size

COMPOST PACKAGES

Compost I

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

Compost II

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

Options

(If no base package is selected, a \$10 base fee will apply)

PCB

Foreign Material

Solvita Test

Faecal Coliform

Salmonella

Salmonella +ve confirmation

CO2 evolution

Available Soil Nutrient

Available Nutrients by SME