

Note: Complete page 1-2 and all other applicable pages to your request

Sample Information				FOR OFFICIAL USE
No.	Sample Description	Sampling Date	Sample Matrix*	Lab Sample No.
1.				
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***Sample Matrix Abbreviation Key**

Soil = S Manure/Compost =M/C Other biosolids = B Plant material = P Water = W Limestone =L

Please specify:

Sampling done by: _____

Signature: _____

Reference of the sampling method (if available): _____

Sampling Location/Farm name: _____

Special Instructions (when applicable): sample storage/disposal; outsourced tests

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CHEMICAL ANALYSIS OF AGRICULTURAL SOILS

Note: The laboratory will select the test parameters on behalf of the client, when a signed quotation is attached to this request form.

No.	Test Parameters	Reference Method	Tick
1.	pH of 2:5 (aqueous or KCl or CaCl ₂) extract	METH S 001	<input type="checkbox"/>
2.	pH on saturated paste extract		<input type="checkbox"/>
3.	Conductivity of 2:5 aqueous extract	METH S 002	<input type="checkbox"/>
4.	Conductivity on saturated paste extract	METH s 002	<input type="checkbox"/>
5.	Particle size analysis (pipette method)	METH S 014	<input type="checkbox"/>
6.	Moisture (150°C) & Organic matter by loss on ignition (360°C/4h)		<input type="checkbox"/>
7.	Organic carbon, Walkley Black (estimation of organic matter)	METH S 010	<input type="checkbox"/>
8.	Total nitrogen (modified Kjeldahl method)		<input type="checkbox"/>
9.	Extractable nitrate (KCl extraction)		<input type="checkbox"/>
10.	Extractable ammonium (KCl extraction)		<input type="checkbox"/>
11.	Extractable sulphate (calcium phosphate extraction)	METH S 015	<input type="checkbox"/>
12.	Extractable phosphorus, Olsen	METH S 009	<input type="checkbox"/>
13.	Extractable phosphorus, Bray1		<input type="checkbox"/>
14.	Extractable chloride (aqueous extraction)		<input type="checkbox"/>
15.	Carbonates estimation (fizz test)		<input type="checkbox"/>
16.	Carbonates quantification	METH S 006	<input type="checkbox"/>
17.	Salinity and sodicity assessment (Na, K, Ca, Mg, pH, EC, SAR)		<input type="checkbox"/>
18.	KCl exchangeable acidity (soil with pH 5.2)	METH S 012	<input type="checkbox"/>
19.	Main cations, extractable (K, Ca, Mg, Na): ammonium acetate	METH S 004	<input type="checkbox"/>
20.	Trace elements, extractable (Mn, Fe, Cu, Zn): ammonium acetate/EDTA	METH S 006	<input type="checkbox"/>
21.	Trace elements, extractable (Mn, Fe, Cu, Zn): DTPA	METH S 007	<input type="checkbox"/>
22.	Extractable boron (hot water extract)	METH S 005	<input type="checkbox"/>
23.	Extractable molybdenum	METH S 011	<input type="checkbox"/>
24.	Bulk density		<input type="checkbox"/>
25.	Water holding capacity		<input type="checkbox"/>
26.	Cation ion exchange capacity (sodium saturation)		<input type="checkbox"/>

GROUP TESTS

No.	Test Parameters	Tick
1.	Standard farm soil analysis, package 1 pH, conductivity, K, Mg, Ca, Na, phosphorus, organic carbon, particle size analysis, calcium carbonate equivalent	<input type="checkbox"/>
2.	Standard farm soil analysis, package 2 pH, conductivity, K, Mg, Ca, Na, phosphorus, organic carbon, particle size analysis, total nitrogen	<input type="checkbox"/>
3.	Complete manure/compost analysis Moisture, organic matter (Lol), ash, total nitrogen, phosphorus, Na, K, Mg, Ca, S, Mn, Fe, Cu, Zn, electrical conductivity and pH (1:5 slurry)	<input type="checkbox"/>
4.	Basic manure/compost analysis Moisture/total solids, organic matter (Lol), ash, total nitrogen, phosphorus, K	<input type="checkbox"/>
5.	Agricultural limestone Calcium carbonate content, two acid digestion followed by ICP analysis for Ca and Mg	<input type="checkbox"/>
6.	Plant tissue analysis Sample preparation, crude nitrogen, wet digestion high temperature, P, Na, K, Mg, Ca, Mn, Fe, Cu, Zn, S	<input type="checkbox"/>
7.	Irrigation water test , including: pH, conductivity, alkalinity, total-hardness, chloride, fluoride, sulphate, nitrate, Na, K, Mg, Ca, Mn, Fe, Cu, Zn, B, Mo, stability index, corrosivity index, sodium absorption ratio, residual sodium carbonate, magnesium ratio	South African Water Quality Guidelines, Volume 4: Agricultural water use: Irrigation, Second Edition, 1996 <input type="checkbox"/>

Note: Prices are specified on FM 7.1- 5

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Instructions to complete this form (PDF) electronically

1. Select/click Tools on the Menu Bar
2. Select/click on Fill & Sign
3. Select/click on the area/space to be filled and type the relevant information.
4. Sign and Email the Sample Submission form to the Laboratory or send it together with the samples.

Note: The instructions steps might differ based on the PDF package