NUlogic® Fact Sheet

Products and Services - Optional Soil Tests

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Optional Tests for Soil Analysis

The supply of major nutrients like phosphorus, nitrogen, potassium and sulfur, along with soil acidity and salinity, have a marked influence on crop and pasture production. These and other tests are available in the NU logic Soil Analysis for Crops and Pastures kits.

Other nutrients and soil characteristics can also influence crop and pasture production. CSBP gives its customers the option to test for a range of these characteristics by using the Optional Additional Tests.

Optional Additional Tests

Additional tests are available by completing the order form contained in the NU logic Soil Analysis for Crops & Pastures kit. Cheque or credit card payment must be submitted with the kit.

Excessive **aluminium** in the soil can limit root growth especially if soil pH is low.

Similarly, high levels of **boron** in the soil will impede plant growth.

Excessive **chloride,** normally associated with high soil salinity, will impair plant growth.

Soil tests for **copper, zinc, manganese and iron** can indicate soil status, but plant availability of trace elements is more accurately determined by plant analysis.

Measurement of **exchangeable cations** (calcium, magnesium, sodium & potassium) will provide an indication of soil stability problems causing poor water infiltration, plant emergence and root growth, and the requirement for soil amendments like gypsum.

Soil health tests (microbial biomass, fungal bacterial ratio and mycorhizal root score, total C, total N) indicate the biological fertility of the soil.

Benefits

1 Can be used as a guide to broader soil 'health' issues and to assess the future worth of the soil;

2 Defines potential levels of toxic elements that can limit crop production;

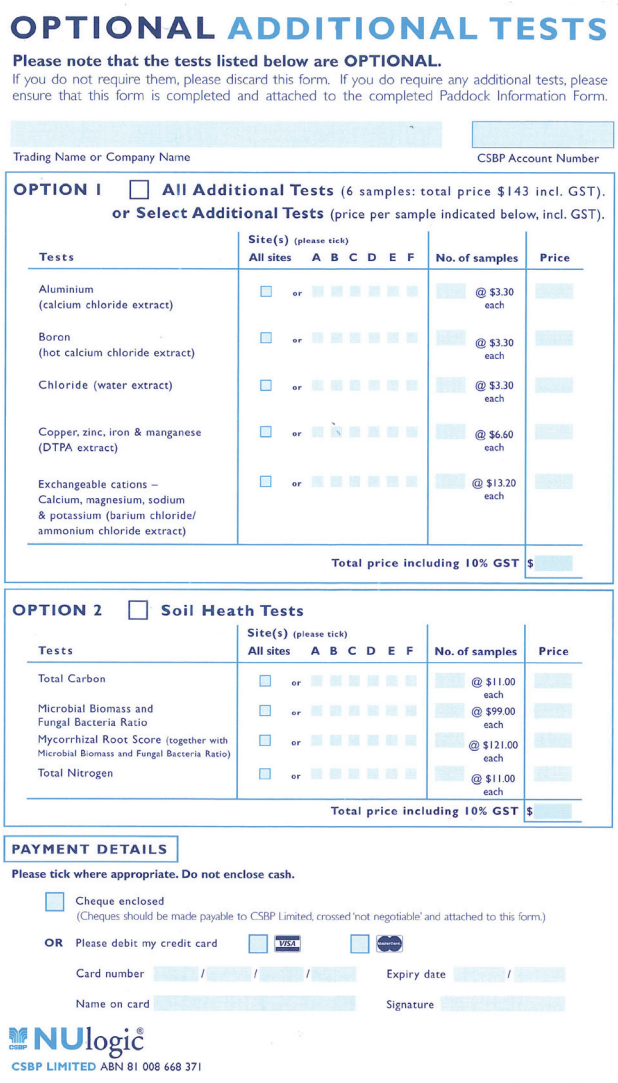
3 Determine the cation exchange capacity (CEC) of the soil and its ability to hold onto nutrients;

4 Calculate a soil stability index to determine gypsum requirements;

5 Assesses soil biological fertility.

Other combinations

Other soil tests and combinations of soil analyses are available upon request. Contact the CSBP Soil and Plant Analysis Laboratory (phone-(08) 9434 4600).



OPTIONAL ADDITIONAL TESTS

Please note that the tests listed below are OPTIONAL.
If you do not require them, please discard this form. If you do require any additional tests, please ensure that this form is completed and attached to the completed Paddock Information Form.

Trading Name or Company Name | CSBP Account Number

OPTION 1 ☐ **All Additional Tests** (6 samples: total price $143 incl. GST).
or Select Additional Tests (price per sample indicated below, incl. GST).

Tests	Site(s) (please tick) All sites A B C D E F	No. of samples	Price
Aluminium (calcium chloride extract)	☐ or	@ $3.30 each	
Boron (hot calcium chloride extract)	☐ or	@ $3.30 each	
Chloride (water extract)	☐ or	@ $3.30 each	
Copper, zinc, iron & manganese (DTPA extract)	☐ or	@ $6.60 each	
Exchangeable cations – Calcium, magnesium, sodium & potassium (barium chloride/ ammonium chloride extract)	☐ or	@ $13.20 each	
		Total price including 10% GST	$

OPTION 2 ☐ **Soil Heath Tests**

Tests	Site(s) (please tick) All sites A B C D E F	No. of samples	Price
Total Carbon	☐ or	@ $11.00 each	
Microbial Biomass and Fungal Bacteria Ratio	☐ or	@ $99.00 each	
Mycorrhizal Root Score (together with Microbial Biomass and Fungal Bacteria Ratio)	☐ or	@ $121.00 each	
Total Nitrogen	☐ or	@ $11.00 each	
		Total price including 10% GST	$

PAYMENT DETAILS

Please tick where appropriate. Do not enclose cash.

☐ Cheque enclosed
(Cheques should be made payable to CSBP Limited, crossed 'not negotiable' and attached to this form.)

OR Please debit my credit card ☐ VISA ☐ MasterCard

Card number / / / Expiry date /

Name on card Signature

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