

# Premium Soil Test Sampling Kit

Version 2016

## Analysis by APAL

APAL Agricultural Laboratory



Recommendations By:  
**Hi-Tech Ag Solutions  
Pty Ltd**

Independent Advice

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### APAL Soil Test Description:

**Complete Soil (KCL Suphur)** Includes pH (Water & CaCl), EC, Organic Carbon, Nitrate N, Ammonia N, PBI, ECEC, Aluminium and exchangeable acidity, Sulfur (KCL), Colwell K, Colwell P, Exchangeable Cations (Ca, Mg, K, Na), DTPA Trace elements (Mn, Zn, Cu, Fe), Boron  
**INCLUDING Bray P2 Phosphorus, Total Phosphorus, Total Cations & Total Traces**

#### Optional Consultant Report Option

A colour graph report plus a full independent consultant report - includes a detailed program with recommended fertilisers & soil amendments (lime / gypsum / dolomite / compost) plus foliar applications and interpretation of cation balance.

### **CHECK LIST**

**Before posting please ensure that:**

- ✓ **Payment Advice** sheet has been completed and sent to Hi-Tech Ag (envelope provided)
- ✓ The **Soil Analysis Submission Form** is filled in for each soil sample including your contact details. (Please record GPS location) **Postcode is essential for Quarantine Regulations**
- ✓ All sample details are clearly identified on the soil bags using permanent markers or biro. Use clean zip lock plastic bags for additional samples if necessary.
- ✓ The soil sample bags are not filled above the line indicated on the sample bag.  
**DO NOT staple or tape close the bags**
- ✓ The soil sample bags are placed into the A4 clear plastic zip lock bag the kit came in, before then placing in the mail envelope
- ✓ The **Soil Analysis Submission Form** is completed, and enclosed with samples and sent to APAL (Envelope provided).

**NB: The mail envelope provided is not an express mail service. If sample testing is urgent, we recommend you use an express post bag or a courier service.**

**Correct Sampling is imperative to ensure accurate analysis and interpretation. Precise Nutrient Management can only occur with a quality representative sample.**

## Regular tests build better profile

- Sample different soil types separately.
- Avoid unusual areas, stock camps, fertiliser dump sites, dam sites, gates, troughs, trees.
- Avoid fence lines (old and new), sheds and roadways
- Sample varying topography (Hills and flats) separately.
- Avoid poorly drained areas and wet conditions
- Avoid headlands
- Ensure different fertiliser and rotation histories are sampled separately.
- Avoid dung and urine patches in pastures
- Sample High and low yielding areas separately.
- Don't sample paddocks that have had ameliorants (lime) or fertiliser applied in the past 2-3 months

## Taking the sample

1. Review your required tests from APALs price list/service guide. If guidance is required consult APAL or your local advisor/agronomist.
2. Determine an appropriate sampling plan
  - Ensuring a representative sample is obtained
  - Avoid unusual areas listed above
3. Ensure all your equipment is clean
4. Remove debris and plant material from the soil surface
5. Take the required number of cores utilising a transect or zigzag sampling plan
6. Pool your cores in a clean plastic bucket, breaking the soil into small crumbs
7. Mix the sample thoroughly in the bucket
8. Place your representative sample into APALs soil test bags and fill to the required line. Place no more than 500 g if using your own bags
9. Ensure your equipment and bucket is clean before moving onto your next sample.
10. If using a shovel ensure the sample is consistent down to the required depth (e.g. take a slice down the side not a V sample)
11. If excess sample is collected ensure the sample is well mixed before sub-sampling, try to reduce the sample to around 200-300 gms to avoid excessive postage charges.

## Sending the Sample to the lab

1. Ensure APAL's sample bags are filled to the desired line. If using other bags please ensure there is 200-300 gms of soil.
2. Ensure you have the correct submission form and the details are filled out correctly with **Post code**, test code, sample name, Crop and sampling depth. If any extra tests are required please mark with a cross or note the code in other tests.

Deliver to:

**APAL Agricultural Laboratory**

**PO Box 327 Magill**

**Adelaide, South Australia 5072**

**For any further information please contact APAL on 08 8332 0199 or [info@apal.com.au](mailto:info@apal.com.au)**



# Soil Analysis Submission Form



489 The Parade, PO Box 327, Magill SA 5072

Telephone 08 8332 0199 Fax 08 8361 2715 Email [info@apal.com.au](mailto:info@apal.com.au) [www.apal.com.au](http://www.apal.com.au)

**POST CODE:** **QUARANTINE REGULATION: SAMPLES WILL NOT BE PROCESSED WITHOUT**

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Agent: .....

**CLIENTS DETAILS** .....

**Customer Name:** .....

**Address:** .....

**Phone:** .....

**Email:** .....

**Trading Name:** .....

**Select Reporting Option** ☒ Data Only ☐ Technical Report ☒ Premium Report

**Test Options** (Add **TEST CODE** and extras on next sample submission page)

## Test Code

HT1

**Complete Soil (KCL Suphur)** Includes pH (Water & CaCl), EC, Organic Carbon, Nitrate N, Ammonia N, PBI, ECEC, Aluminium and exchangeable acidity, Sulfur (KCL), Colwell K, Colwell P, Exchangeable Cations (Ca, Mg, K, Na), DTPA Trace elements (Mn, Zn, Cu, Fe), Boron

**INCLUDING Bray P2 Phosphorus, Total Phosphorus, Total Cations & Total Traces**

**Total No of Samples submitted**

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**Sampling Date**

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## Office Use Only:

Invoice no:

Cheque: ☐

Account: ☐

Credit card: ☐

## Soil Analysis Submission Form

Test code	Office Use/Barcode	Sample Name	Crop	Sample Depth	Extras
HT1			<input type="checkbox"/> Tick if Intensive/Irrigated		<input type="checkbox"/> Co <input type="checkbox"/> Mo Other tests:
HT1			<input type="checkbox"/> Tick if Intensive/Irrigated		<input type="checkbox"/> Co <input type="checkbox"/> Mo Other tests:
HT1			<input type="checkbox"/> Tick if Intensive/Irrigated		<input type="checkbox"/> Co <input type="checkbox"/> Mo Other tests:
HT1			<input type="checkbox"/> Tick if Intensive/Irrigated		<input type="checkbox"/> Co <input type="checkbox"/> Mo Other tests:
HT1			<input type="checkbox"/> Tick if Intensive/Irrigated		<input type="checkbox"/> Co <input type="checkbox"/> Mo Other tests:
HT1			<input type="checkbox"/> Tick if Intensive/Irrigated		<input type="checkbox"/> Co <input type="checkbox"/> Mo Other tests:

# PAYMENT ADVICE

Purchase Order #: .....



TRADING NAME: ..... NAME: .....

POSTAL ADDRESS: ..... POST CODE

TELEPHONE/MOBILE: ..... EMAIL: .....

**Note: Allow 14 days for soil samples and 3-4 days for plant tissue to be processed upon APAL receiving samples.**

(PRICES VALID TO 31/12/2016)

TEST CODE	TEST OPTIONS	PRICE/ SAMPLE (INC GST)	NO. SAMPLES SUBMITTED	TOTAL COST \$
HT1	APAL PREMIUM COMPLETE SOIL TEST	\$167.20		
Extra	+ Molybdenum	\$13.20		
Extra	+ Cobalt	\$13.20		
Extra	+ DGT Phosphorous	\$19.80		
DS5	Complete Sub Soil- pH, EC, CI & B	\$69.85		
	Micro Wise Biological Analysis Test- CIAAAF report of analysis	\$319.00		
PT2	APAL COMPLETE PLANT TISSUE ANALYSIS	\$75.90		
F1	Feed Test * Testing sub-contracted to Live stock logic	\$126.50		
F2	Feed Test Mineral	\$61.88		
G1	Grain Mineral	\$75.90		
HM1	Heavy Metal Test- MGT report of analysis	\$165.00		
PR1	Pesticide Residues OC & OP Test- MGT report analysis	\$198.00		
LIME	Lime/ Dolomite- APAL report of analysis	\$110.00		
GYP	Gypsum- APAL report of analysis	\$96.25		
W1	Water Analysis- Irrigation and Livestock	\$103.13		
C1	Compost- APAL report of analysis	\$110.00		
	TOTAL PAYMENT ENCLOSED			\$

**PLEASE ENSURE THIS PAYMENT ADVICE IS COMPLETED & RETURNED TO HI-TECH AG SOLUTIONS (Envelope provided)**

AN ORIGINAL TAX INVOICE AND RECIEPT OF PAYMENT WILL BE MADE

PLEASE MAKE CHEQUES PAYABLE TO: <b>HI-TECH AG SOLUTIONS PTY LTD</b>		EFT: Banking details
<b>Credit Card Payments</b> Card type:    Bankcard <input type="checkbox"/> Mastercard <input type="checkbox"/> Visa <input type="checkbox"/> (please tick) Name on Card: ..... Amount: \$ ..... Card Number:    _____    Expiry: ...../..... CVV: ..... Signature: ..... Date:.....		Bank:            ANZ Bank BSB:             016-560 Account #:    220813433 Reference:    Please add your Trading Name

## Innovation, Performance, Reliability

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Fax (08) 9725 7342, email: - [analyst@hitechag.com.au](mailto:analyst@hitechag.com.au) ABN 21 141 175 564