



# Plant Analysis Sampling Kit

Version 2020

Analysis by



Australian Precision AG Laboratory

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

Hi-Tech Ag Solutions Pty Ltd  
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BUNBURY WA 6230  
Tel./Fax: 9725 7322/ 9725 7342  
Email: [forms@hitechag.com.au](mailto:forms@hitechag.com.au)  
Important cc: [forms@hitechag.com.au](mailto:forms@hitechag.com.au)

## APAL Test Description:

### APAL Plant Analysis

Nitrogen, Nitrate, Phosphorus, Potassium, Calcium, Magnesium, Sodium, Sulfur, Copper, Boron, Iron, Manganese, Zinc, Aluminium, Chloride, Cobalt, Molybdenum

### Feed Test

\*Testing sub-contracted

DM, Moisture, DDM, DOMD, ME, CP, NDF, ADF, WSC, Ash, Fat/Oil (if applicable) Crude Fibre (CF), Total Starch (TS), bulk density – Grains only

### Feed Test Mineral

N, P, K, Ca, Mg, Na, S, Cu, B, Fe, Mn, Zn, Cl, Co, Mo

### Grain Mineral

N, P, K, Ca, Mg, Na, S, Cu, B, Fe, Mn, Zn, Cl, Co, Mo, Al

## CHECK LIST

**Before posting please ensure that:**

- ✓ **Payment Advice** sheet has been completed and sent to Hi-Tech Ag. [forms@hitechag.com.au](mailto:forms@hitechag.com.au) or post PO Box 5351, Davenport, WA, 6230
- ✓ The **Plant Analysis Submission Form** is filled in for each soil sample including your contact details.  
**Postcode is essential for Quarantine Regulations**
- ✓ All sample details are clearly identified on the plant tissue paper bags using permanent markers or biro.
  - ✓ The plant tissue sample bags are folded closed  
**DO NOT staple or tape close the bags**
- ✓ The **Plant Analysis Submission Form** is completed, and enclosed with samples and sent to APAL

**WA customers, please send:**

**Via Courier:** Unit 4, 158 Francisco St, Belmont, WA 6104

**NSW, QLD, SA, VIC customers, please send:**

**Via Courier:** Unit 3, 11 Ridley St, Hindmarsh SA 5007

**To ensure turnaround time of tissue samples we recommend the samples be sent via Express Post**

## Plant Sampling Instructions

APAL's highly cost-effective and selective monitoring tool makes it easy to maintain plant health and optimise crop and pasture production.

### Tips for sampling

- Sample the correct part of the plant at the correct growth stage
- Always wear gloves to avoid contamination
- Regular tests build better profile
- Be consistent in obtaining your representative sample, sample plants of similar vigour, variety, size and age
- Sample early in the week; if storing samples over the weekend, dry or refrigerate
- Use stainless steel cutting implements

### Things to avoid when sampling

- Spoiled, diseased, insect damaged, senescing or dead plant tissue
- Unusual areas in the paddock which can include poorly drained soils, sheep camps, headlands etc
- Areas of crops/pastures in the immediate vicinity of trees
- Don't sample plants under moisture stress and avoid waterlogging
- Plants growing in dung or urine patches
- Sampling soon after soil or foliar fertiliser application
- Contamination from dust, soil, sprays, fertilisers and your hands (Always wear gloves to avoid contamination)
- Avoid touching fence posts or any other object that may contaminate your sample
- Plastic bags. Instead, use APAL's paper bags

### How to take the sample

- Review your required tests. If guidance is required consult APAL or your local agronomist
- Determine an appropriate sampling plan
- Ensure a representative sample is obtained
- Avoid unusual areas listed above
- When troubleshooting, take samples from good and poor growth areas for comparison
- Ensure the correct part of the plant is sampled
- Collect the desired amount of leaves or petioles (generally aim to fill 1/2 to 2/3 APAL's plant tissue bags)

### Sending the sample to the lab

Deliver to:

<p><b>Perth</b> Unit 4, 158 Francisco St Belmont WA 6104</p>	<p><b>Adelaide</b> Unit 3, 11 Ridley St Hindmarsh SA 5007</p>
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For any further information please contact APAL on 08 8332 0199 or [info@apal.com.au](mailto:info@apal.com.au)



# Plant Tissue Analysis Submission Form



**ADELAIDE**  
T 08 8332 0199  
U 3, 11 Ridley St, Hindmarsh SA 5007

**PERTH**  
T 08 9477 2277  
U 4, 158 Francisco St, Belmont WA 6104

**E**

**apal.com.au**  
ABN 53 166 799 793

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



Agent: \_\_\_\_\_  
Contact Name: \_\_\_\_\_  
Purchase Order: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_  
Grower Name: \_\_\_\_\_

Select Reporting Option     Data Only     Graph

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

Test Set Code

**Feed Test** Testing sub-contracted to Live Stock Logic.  
DM, Moisture, DMD, DOMD, ME, CP, NDF, ADF, WSC, Ash, Fat/Oil (if applicable)

**Feed Test Mineral** Includes: Phosphorus, Potassium, Calcium, Magnesium, Sodium, Sulfur, Copper, Boron, Iron, Manganese, Zinc, Aluminium, Molybdenum, Cobalt, Selenium, Vanadium, Arsenic, Cadmium, Lead, Dumas Total Nitrogen, Nitrate, Chloride

**Grain Analysis** Includes: Moisture, Total Nitrogen, Nitrate N, Chloride, Phosphorus, Sulfur, Calcium, Potassium, Magnesium, Sodium, Aluminium, Zinc, Copper, Manganese, Iron, Boron, Molybdenum, Cobalt

**Complete** Includes: Total Nitrogen, Nitrate N, Chloride, Phosphorus, Sulfur, Calcium, Potassium, Magnesium, Sodium, Aluminium, Zinc, Copper, Manganese, Iron, Boron, Molybdenum

Total No of Samples Submitted

Sampling Date

**Office Use Only:**

Invoice No.

Cheque:

Account:

Credit Card

24 Shanahan Rd, Davenport, Bunbury WA, 6230. PO Box 5351, Davenport, Bunbury WA, 6230  
Ph(08)97257322

Fax (08)97257342, email: [forms@hitechag.com.au](mailto:forms@hitechag.com.au) ABN:21 141 175 564

Test set code	<i>Office Use/Barcode</i>	Sample Name	Crop	Growth Stage





## PAYMENT ADVICE

Purchase Order # \_\_\_\_\_ Date: \_\_\_\_\_  
 Trading Name: \_\_\_\_\_ Contact Name: \_\_\_\_\_  
 Postal Address: \_\_\_\_\_ Post code: \_\_\_\_\_  
 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 from 05/02/21)

TEST CODE	TEST OPTIONS	PRICE/SAMPLE (exc GST)	PRICE/SAMPLE (incl GST)	No. SAMPLES SUBMITTED	TOTAL COST \$
HTI	Premium Soil Test	\$ 160.00	\$ 176.00		
EXTMOL	Extra Molybdenum	\$ 13.00	\$ 14.30		
EXCOB	Extra Cobalt	\$ 13.00	\$14.30		
EXOALFESI	Ex Oxalate, Al, Fe, Si	\$ 16.00	\$17.60		
SUBSOIL	APAL Sub Soil	\$ 105.00	\$115.50		
PLATISS	Plant Tissue Test	\$ 69.00	\$75.90		
WASHFEE	Plant Washing Fee	\$ 5.00	\$5.50		
FTF3	Feed Test F3	\$ 165.00	\$181.50		
G2	Grain Mineral Test	\$ 70.00	\$77.00		
LIMTES/DOLTES	Lime/Dolomite Test	\$ 95.00	\$104.50		
GYP	Gypsum Test	\$ 85.00	\$93.50		
W1	Water Irrigation & Livestock Test	\$ 100.00	\$110.00		
W2	Water Irrigation & Livestock Test plus Heavy Metals	\$ 160.00	\$176.00		
W3	Spray Water Check	\$ 55.00	\$60.50		
COMPOSTC1	Complete C1 Compost Test	\$ 105.00	\$115.50		
MICROWISE	Microbe Wise for Soil (MWSS) Soils	\$ 260.00	\$286.00		
MWSH	Add HOM - For Pasture	\$ 45.00	\$49.50		
IDWS	ID Wise (IDWS)	\$ 300.00	\$330.00		
IDWX	Add extra morphology (IDWX)	\$ 200.00	\$220.00		
CSFU/PP/RH/TH	Soilborne Crop Disease Test	\$ 300.00	\$330.00		
PSVC	Priority Service - per Analysis	\$ 30.00	\$33.00		
<b>TOTAL PAYMENT ENCLOSED</b>					\$

PLEASE ENSURE THIS PAYMENT ADVICE IS COMPLETED & RETURNED TO HI-TECH AG SOLUTIONS  
 AN ORIGINAL TAX INVOICE AND RECEIPT OF PAYMENT WILL BE MADE

PLEASE MAKE CHEQUES PAYABLE TO: <b>HI-TECH AG SOLUTIONS PTY LTD</b>							
Credit Card Payments		Mastercard: <input type="checkbox"/>		Visa: <input type="checkbox"/>		EFT: Banking Details	
Name on Card:				Amount: \$		Bank: ANZ Bank	
Card Number:				Expiry date:		BSB: 016-560	
						Account # 220813433	
CVV		Signature		Date:		Reference	Trading name