



Wheat



PLANT TISSUE ANALYSIS

your logo inserted here

Agent: AAAAAA
 Agent Address: AAAAA, Lameroo, 5302
 Client Name: Tim Walker
 Sample Identification: Sample 1
 Analytical Number: I016
 Batch Number : 936

Date Received: 14/07/2014
 Date Reported : 17/07/2014
 Plant/Product : Wheat
 Plant Part: Whole shoots
 Growth Stage: Tillering
 Actual Growth Stage:

NUTRIENT ELEMENT BALANCE CHART

		Result	Deficiency	Below Normal	Normal	Above Normal	Excess	Target
Nitrogen	N	6.05 %	██████████	██████████	██████████	██████████		4.63 %
Nitrate	NO ₃ -N	383.75 ppm						# ppm
Sulphur	S	0.4 %	██████████	██████████	██████████			0.42 %
Phosphorus	P	0.49 %	██████████	██████████	██████████			0.55 %
Potassium	K	3.07 %	██████████	██████████				5.00 %
Magnesium	Mg	0.18 %	██████████	██████████	██████████			0.26 %
Calcium	Ca	0.36 %	██████████	██████████	██████████			0.83 %
Sodium	Na	0.05 %	██████████	██████████				0.40 %
Chloride	Cl	0.55 %	██████████	██████████				1.80 %
Iron	Fe	101.96 ppm	██████████	██████████	██████████			125 ppm
Aluminium	Al	17.33 ppm						# ppm
Manganese	Mn	56.22 ppm	██████████	██████████	██████████			83.8 ppm
Boron	B	6.31 ppm	██████████	██████████				10.8 ppm
Copper	Cu	6.48 ppm	██████████	██████████				13.0 ppm
Zinc	Zn	27.11 ppm	██████████	██████████	██████████			58.8 ppm
Cobalt	Co	0.01 ppm						# ppm
Molybdenum	Mo	0.62 ppm	██████████	██████████	██████████	██████████		0.45 ppm
Selenium	Se	ppm						# ppm

* Source references for graphing are available on request NT = Not Tested IS= Insufficient Sample #=-Target levels are not available

* The Normal Range levels may be altered without notification if new information becomes available.

* All due care has been taken in the analysis and reporting of this sample. However APAL takes no responsibility for the adequacy or accuracy of sample collection and submission or the subsequent use of these results.





PLANT TISSUE ANALYSIS

Methods

Methods of Analysis: NITROGEN: finely ground dry sample analysed by DUMAS method (Elementar) - (ASPAC CA37)
NITRATE NITROGEN: analysis by reflectrometry (MerkRQ Flex10)
MAJOR & TRACE ELEMENTS: microwave digestion and ICP-OES analysis - (ASPAC DN23)
CHLORIDES: water extraction titrated with silver nitrate (ASPAC BB32)

*** Samples are analysed as received.**

Please note When Fe & Al are elevated above typical levels for a plant tissue type this can indicate soil or dust contamination of the submitted sample.

re: Iron & Aluminium Significant dust/soil contamination could potentially affect the results of other analytes as well.

Analysis by APAL, PO Box 327, 489 The Parade. Magill SA 5072
Tel.: 08 8332 0199 Fax: 08 83612715 Email: info@apal.com.au Website: www.apal.com.au

