



Predictive

Plant Tissue Report

Client: Paul Hoffman
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[Links to Helpful Information](#)

Sampled: 06/06/2012

Received: 06/07/2012

Completed: 06/12/2012

Farm: 27-01

Sample Information	Nutrient Measurements												Nutrient Ratios			
<i>Sample ID:</i> 01	<i>N (%)</i>	<i>P (%)</i>	<i>K (%)</i>	<i>Ca (%)</i>	<i>Mg (%)</i>	<i>S (%)</i>	<i>Fe (ppm)</i>	<i>Mn (ppm)</i>	<i>Zn (ppm)</i>	<i>Cu (ppm)</i>	<i>B (ppm)</i>	<i>Mo (ppm)</i>				
<i>Crop:</i> Wheat	3.65	0.61	3.45	0.43	0.18	0.35	102	1.62	5.95	2.64	7.40		N:S 10.4 : 1			
<i>Growth Stage:</i> M													N:K 1.06 : 1			
<i>Week:</i> 0													Fe:Mn			
<i>Plant Part:</i> T	Interpretation Indexes															
	<i>N</i>	<i>P</i>	<i>K</i>	<i>Ca</i>	<i>Mg</i>	<i>S</i>	<i>Fe</i>	<i>Mn</i>	<i>Zn</i>	<i>Cu</i>	<i>B</i>	<i>Mo</i>				
	45-L	80	59	57	51	60	60	31-L	69	89	54					
<i>Plant Position:</i> U																
<i>Plant Appearance:</i> OK	Other Results															
	<i>Na (%)</i>	<i>Cl (%)</i>	<i>C (%)</i>	<i>DW (g)</i>	<i>NO3-N (ppm)</i>	<i>Ni (ppm)</i>	<i>Cd (ppm)</i>	<i>Pb (ppm)</i>	<i>Al (ppm)</i>	<i>Se (ppm)</i>	<i>As (ppm)</i>	<i>Li (ppm)</i>	<i>Cr (ppm)</i>	<i>Co (ppm)</i>		
	0.03															

Agronomist's Comments:

Note where nutrient concentrations fall outside of the recommended ranges. Please contact your crop consultant for further assistance.

Brenda R. Cleveland, Agronomist
Completed: June 11, 2012

Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.



Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
- Steve Troxler, Commissioner of Agriculture.

Paul Hoffman

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Sample Information	Nutrient Measurements												Nutrient Ratios			
Sample ID: 02	N (%)	P (%)	K (%)	Ca (%)	Mg (%)	S (%)	Fe (ppm)	Mn (ppm)	Zn (ppm)	Cu (ppm)	B (ppm)	Mo (ppm)	N:S 7.21 : 1			
Crop: Bermudagrass	2.95	0.28	1.75	0.39	0.17	0.41	69.7	1.47	3.12	1.39	5.50	Mo (ppm)	N:K 1.68 : 1			
Growth Stage: M	Interpretation Indexes												Fe:Mn			
Week: 0	N	P	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo				
Plant Part: T	48-L	60	48-L	63	53	62	52	23-D	55	64	51					
Plant Position: U	Other Results															
Plant Appearance: OK	Na (%)	Cl (%)	C (%)	DW (g)	NO ₃ -N (ppm)	Ni (ppm)	Cd (ppm)	Pb (ppm)	Al (ppm)	Se (ppm)	As (ppm)	Li (ppm)	Cr (ppm)	Co (ppm)		
	0.40															

Understanding the Plant Report - additional information: [Tissue results for cotton](#), [Tissue results for other crops](#) & [Plant tissue analysis guide](#).

The primary purpose of tissue analysis is to measure crop levels of up to 13 essential nutrients required for normal plant growth and development. These nutrients are supplied to the plant by fertilizer and/or the soil. Primary nutrients (N, P, K) are needed in greatest quantities, secondary nutrients (Ca, Mg, S) in lesser quantities, and micronutrients (Fe, Mn, Zn, Cu, B, Mo, Cl) in very small amounts.

Concentrations of primary & secondary nutrients and Cl are measured as a percentage and other micronutrients in parts per million (ppm), all on a dry-weight basis. However, the quickest way to assess crop need for a particular nutrient is by use of interpretation indexes. Compare the index for the desired nutrient to the chart on the right to find out if the status of that nutrient is deficient, low, sufficient, high or excess.

