

Soil Analysis Report

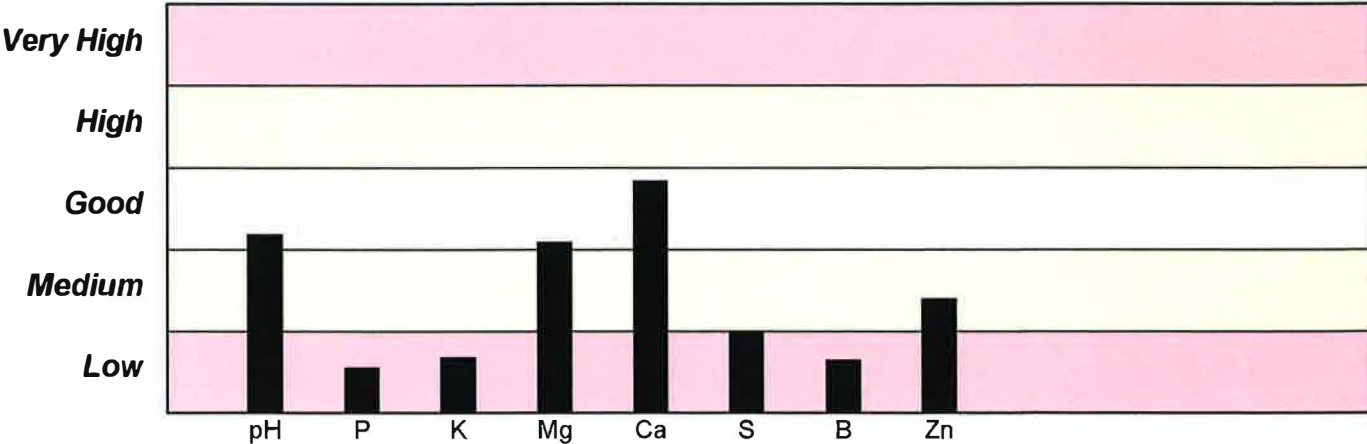
Spectrum Analytic
 1087 Jamison Road NW
 Washington Court House, OH 43160-8748
 www.spectrumanalytic.com

**TULLY AG CENTER
 PO BOX 1004
 TULLY, NY 13159**

Prepared For
JON

Sample Information			
Sample	WEST	Sampled	05-01-2019
Lab Number	B17768	Tested	05-02-2019
Acres			

Analysis	Result	Optimal	Analysis	Result	Optimal
Soil pH	6.5	6.3-7.1	Sulfur	m3-ppm 10	20-40
Buffer pH	6.9		Boron	m3-ppm 0.5	1.7-2.6
Organic Matter	% 3.9		Zinc	m3-ppm 2.6	3.9-10.9
CEC	12.7		Aluminum	m3-ppm 748	
K Saturation	% 1.0	2.0-4.0			
Mg Saturation	% 12.7	10-20			
Ca Saturation	% 64.5	50-70			
K/Mg Ratio	0.3				
Ca/Mg Ratio	9.9				
Phosphorus	m3-ppm 13	50-70			
Potassium	m3-ppm 56	160-260			
Magnesium	m3-ppm 219	200-350			
Calcium	m3-ppm 2177	1700-2400			



Recommendations		Nutrients expressed in broadcast lbs/A, except Fe (foliar) and Mn (row)										
Yr	Crop	CaCO3	N	P2O5	K2O	Mg	S	B	Cu	Fe	Mn	Zn
19	Wheat & Legume	50 bu	1178	56	103	119	11	9	0.50			4

Lime expressed in 100% pure CaCO3. Adjust accordingly. D=Dolomitic. C=Calcitic.

Wheat & Legume: Monitor and adjust nutrient program based on annual tissue analysis

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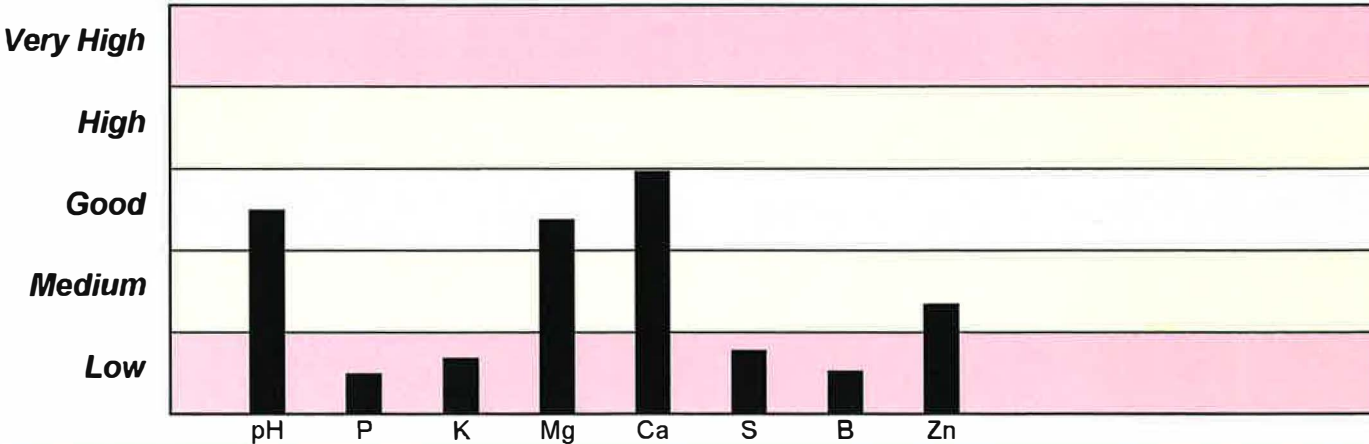
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Sample Information			
Sample	MIDDLE	Sampled	05-01-2019
Lab Number	B17767	Tested	05-02-2019
Acres			

Analysis	Result	Optimal	Analysis	Result	Optimal
Soil pH	6.8	6.3-7.1	Sulfur	m3-ppm 8	20-40
Buffer pH	6.9		Boron	m3-ppm 0.4	1.7-2.6
Organic Matter	% 3.3		Zinc	m3-ppm 2.5	3.9-10.9
CEC	11.6		Aluminum	m3-ppm 707	
K Saturation	% 1.0	2.0-4.0			
Mg Saturation	% 15.2	10-20			
Ca Saturation	% 67.1	50-70			
K/Mg Ratio	0.2				
Ca/Mg Ratio	8.6				
Phosphorus	m3-ppm 12	50-80			
Potassium	m3-ppm 54	150-250			
Magnesium	m3-ppm 240	180-330			
Calcium	m3-ppm 2069	1500-2200			



Recommendations		Nutrients expressed in broadcast lbs/A, except Fe (foliar) and Mn (row)										
Yr	Crop	CaCO3	N	P2O5	K2O	Mg	S	B	Cu	Fe	Mn	Zn
19	Wheat & Legume	50 bu	0	59	104	119	0	11	0.50			4

Lime expressed in 100% pure CaCO3. Adjust accordingly. D=Dolomitic. C=Calcitic.

Wheat & Legume: Monitor and adjust nutrient program based on annual tissue analysis

2007/10/26
19-19-19 or 15-15-15
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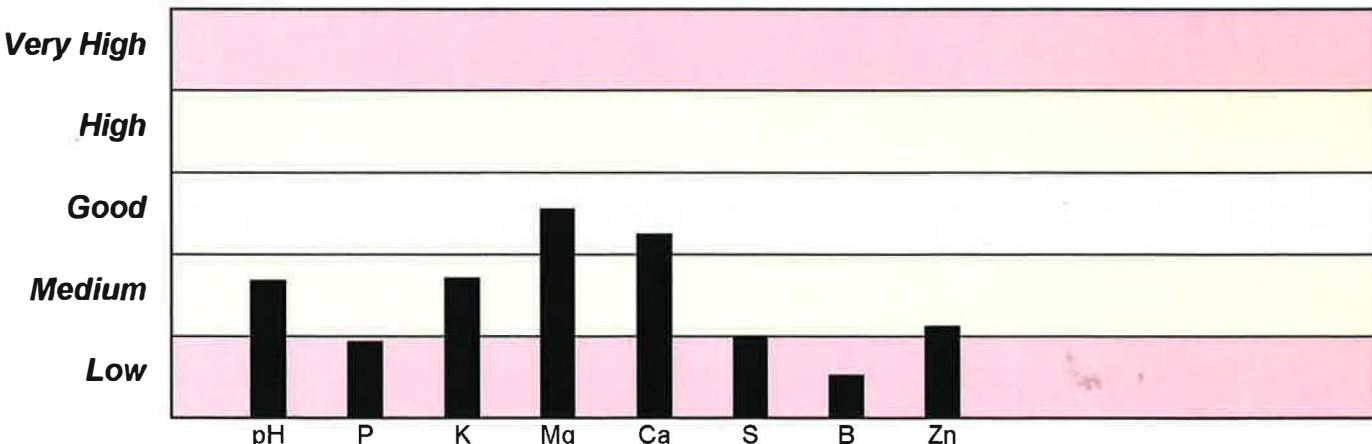
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Sample Information			
Sample	EAST	Sampled	05-01-2019
Lab Number	B17766	Tested	05-02-2019
Acres			

Analysis	Result	Optimal	Analysis	Result	Optimal
Soil pH	6.0	6.3-7.1	Sulfur	m3-ppm 10	20-40
Buffer pH	6.8		Boron	m3-ppm 0.4	1.7-2.6
Organic Matter	% 3.1		Zinc	m3-ppm 2.0	3.9-10.9
CEC	9.7		Aluminum	m3-ppm 765	
K Saturation	% 2.7	2.0-4.0			
Mg Saturation	% 18.0	10-20			
Ca Saturation	% 54.7	50-70			
K/Mg Ratio	0.5				
Ca/Mg Ratio	5.9				
Phosphorus	m3-ppm 23	50-80			
Potassium	m3-ppm 122	140-240			
Magnesium	m3-ppm 239	160-300			
Calcium	m3-ppm 1419	1300-1800			



Recommendations		Nutrients expressed in broadcast lbs/A. except Fe (foliar) and Mn (row)										
Yr	Crop	CaCO3	N	P2O5	K2O	Mg	S	B	Cu	Fe	Mn	Zn
19	Wheat & Legume	50 bu	2643	60	92	88	0	10	0.50			5

Lime expressed in 100% pure CaCO3. Adjust accordingly. D=Dolomitic. C=Calcitic.

Wheat & Legume: Monitor and adjust nutrient program based on annual tissue analysis