



# Litchfield Analytical Services

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Feeds Forages Mycotoxins Soils Plant Tissues Manure Fertilizers Lime Water

Attn: Joe Andrews  
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Cust # A1

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	Laboratory #:	26304	26305	26306	26307	26308
<b>Sample Information</b>	Date Processed:	07/08/08	07/08/08	07/08/08	07/08/08	07/08/08
	Farm ID:					
	Sample ID:	VM-1F	VM-1G	AS-1A	AS-1B	AS-2A
	Acres:					
	Sample Depth, Inches	8	8	8	8	8
	Previous Crop:	0	0	0	0	0
	<b>Available Nutrients (Mehlich3)</b>	Cation Exchange Capacity (CEC) meq / 100g	9.40	17.34	7.44	7.66
Organic Matter (LOI) %		2.65	5.08	2.39	2.06	2.37
Estimated Nitrogen Release (ENR) lbs / acre		54	103	49	42	48
Nitrogen Credit From Previous Crop (N) lbs / acre		0	0	0	0	0
P <sub>1</sub> Bray Phosphorus (P) lbs / Acre		33	44	66	49	60
Potassium (K) lbs / Acre		160	151	200	285	203
Magnesium (Mg) lbs / Acre		160	550	247	238	262
Calcium (Ca) lbs / Acre		3398	5730	2452	2510	2264
Sulfur (S) lbs / Acre		18	14	17	15	22
Boron (B) ppm		0.6	0.9	0.6	0.6	0.6
Zinc (Zn) ppm		1.9	2.0	2.2	2.3	2.1
Manganese (Mn) ppm		100.5	9.1	72.7	90.8	102.8
Iron (Fe) ppm						
Copper (Cu) ppm						
Molybdenum (Mo) ppm						
Chloride (Cl) ppm						
Sodium (Na) ppm	8.5	11.5	5.8	7.1	8.4	
Hydrogen (H) ppm	0.0	4.8	0.0	0.0	0.0	
<b>Base Saturation</b>	Potassium (K) % Base Saturation	2.2	1.1	3.4	4.8	3.7
	Magnesium (Mg) % Base Saturation	7.1	13.2	13.8	13.0	15.5
	Calcium (Ca) % Base Saturation	90.3	82.6	82.4	81.9	80.3
	Sodium (Na) % Base Saturation	0.4	0.3	0.3	0.4	0.5
	Hydrogen (H) % Base Saturation	0.0	2.8	0.0	0.0	0.0
<b>pH &amp; Lime</b>	Water pH (pHW)	6.6	6.3	6.8	6.9	6.6
	Buffer pH (pHB)	7.2	7.0	7.0	7.0	7.2
	Optimum pH	6.5	6.5	6.5	6.5	6.5
	Lime Recommendation, lbs / Acre	0	960	0	0	0
	Type of Lime Recommended		Calcite			
<b>Other</b>	Soluble Salts (EC) mmhos / cm					
	Gypsum Recommendation lbs / Acre	0	0	0	0	0