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**From:** Bruce Webb <bruce\_webb@byu.edu>  
**To:** "priscillaburton@utah.gov" <priscillaburton@utah.gov>  
**Date:** Tuesday, June 29, 2010 3:18 PM  
**Subject:** Soil Analysis Results  
**Attachments:** r928-930acidbase.pdf; r928-930.pdf

Priscilla,

Attached are the soil analysis results you have requested. Let us know if you have any questions.

Bruce Webb

# BRIGHAM YOUNG UNIVERSITY

## Soil and Plant Analysis Laboratory

255 WIDB

Provo, UT 84602

801-422-2147

### Plant and Wildlife Sciences Department

Name Priscilla Burton

Street 319 N. Carbonville Road, Ste C

Price Utah 84501

City State Zip

### SOIL TEST REPORT AND RECOMMENDATIONS

Date: 29-Jun-10

Telephone: 435-613-3733

Fax: 435-613-3739

Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Carbon
white oak east	Turf	7.96	49.44	29.08	21.48	Loam		2.55

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Nitrate-Nitrogen ppm N	2.25	X					apply 2.8 lbs of N/1000 sq ft
Phosphorus ppm P	11.85		X				apply 1.4 lbs of P2O5/1000 sq ft
Potassium ppm K	96.00			X			no fertilizer needed
Salinity-EcE dS/m	0.40	X					no salinity problem
Iron ppm Fe	26.14					X	no fertilizer needed
Boron ppm B	1.72						
Selenium ppm Se	0.93						
SAR-Sodium Absorption Ratio	1.11	X					no sodium hazard
Calcium-SAR ppm Ca	39.68						
Magnesium SAR ppm Mg	8.96						
Sodium SAR ppm Na	29.76						

Notes:

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white oak east	Turf							

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Sulfur % S	0.02	X					
Acid Potential tons CaCO <sub>3</sub> /1000 tons	0.77						
Ca Carbonate %CaCO <sub>3</sub>	2.44						
Neutralizing Pot. tons CaCO <sub>3</sub> /1000 tons	24.35						
Acid Base Pot. tons CaCO <sub>3</sub> /1000 tons	23.58						good

Notes:

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Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Carbon
white oak west	Turf	8.01	45.80	28.08	26.12	Loam		3.28

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Nitrate-Nitrogen ppm N	2.25	X					apply 2.8 lbs of N/1000 sq ft
Phosphorus ppm P	10.06		X				apply 1.4 lbs of P2O5/1000 sq ft
Potassium ppm K	32.00		X				apply 0.9 lbs of K2O/1000 sq ft
Salinity-E <sub>c</sub> dS/m	0.38	X					no salinity problem
Iron ppm Fe	22.82					X	no fertilizer needed
Boron ppm B	2.91						
Selenium ppm Se	1.02						
SAR-Sodium Absorption Ratio	1.47	X					no sodium hazard
Calcium-SAR ppm Ca	36.16						
Magnesium SAR ppm Mg	9.44						
Sodium SAR ppm Na	38.56						

Notes:

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white oak west	Turf							

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Sulfur % S	0.04	X					
Acid Potential tons CaCO <sub>3</sub> /1000	1.30						
Ca Carbonate %CaCO <sub>3</sub>	3.58						
Neutralizing Pot. tons CaCO <sub>3</sub> /1000	35.80						
Acid Base Pot. tons CaCO <sub>3</sub> /1000	34.50						good

Notes: