



TO: Neil Wittet
FROM: Fred Newcombe
DATE: April 15, 2009
RE: WITTET - Soil Test Results

Thank you for participating in the Greenscapes Program. Below are highlights from your recent soil test with product recommendations. Also enclosed is your complete *Soil Analysis Report* from A&L Laboratories and *Soil Test Analysis Definitions* that will help you interpret these results.

Please take the time to familiarize yourself with the information provided. It will help you understand where your property is at and where you would like to put resources based on your expectations. I will be following up to schedule a one hour onsite consultation to review these results, do a site assessment and present a calendar with product and cultural practice recommendations for the year. In the meantime, don't hesitate to call with questions.

AREA: WITT 1 **SF:** 10,000 SF - **Overall Quality:** Poor

SUMMARY: Soils exhibiting *poor* chemical characteristics will exhibit signs of compaction (regardless of the amount of use) weed pressure, disease susceptibility, insect attraction and stress intolerance. Proper expectation levels must be realized in accordance with poor soil conditions. The building of good quality soils from such poor beginnings will take several years before becoming sustainable.

Your Results	Ideal Range	Comments/Recommendation
pH: 6.3 Buffer pH: 6.9	6.5 – 6.8 6.9	1 application Calcitic Lime @ 50#/1000SF (10 bags) or HiCal Lime with Humates at 10#/1000SF (2 bags)
Percent Organic Matter: 3.6	5 – 15%	Top dress with loam / compost mix or 2 applications of Granular Humates (spring/fall) to help improve the performance of marginally fertile soils low in organic matter. Best if done when aerating and over-seeding. <u>Regular maintenance:</u> <ul style="list-style-type: none"> • Top dress and over seed thin areas spring & fall. • Return grass clippings when weed seeds NOT present. • Fertilize with an All Natural Fertilizer to add organic matter.
Cation Exchange Capacity: 4.7	10 – 15	<i>Cation exchange capacity is a measure of the soil's ability to hold nutrients.</i> Low CEC makes it difficult to grow healthy turf. <i>Application of Granular Humates will help improve marginally fertile soils. Best if applied when aerating and over-seeding.</i>
% Base Saturation K: 4.6 Mg: 21.9 Ca: 63.0	2 – 5% 10 – 15% 65 – 75%	<i>Current ratio (Ca:Mg): 7.0:1 Ideal range: 7:1 – 10:1</i> Ca:Mg currently in Acceptable range.