

## Soil Test Report

Lab #: 2014- 32645

County Conservation Company  
T. Wenger  
212 Blackwood-Barnsboro Road  
Sewell, NJ 08080

**Date Received:** 2014-03-24

**Date Reported:** 2014-03-31

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(856)227-6900  
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**Sample ID:** Topsoil - Yard

### Results and Interpretations

Loamy Sand

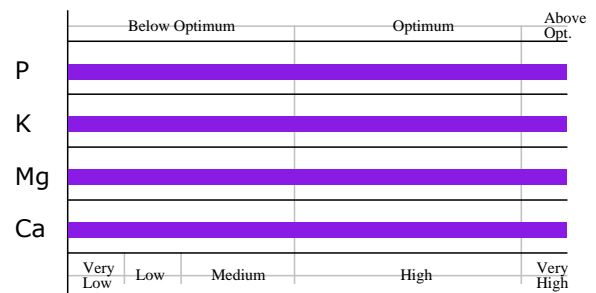
**pH:** 6.37 Slightly acidic; optimum pH range of many plants except acid-loving species.

**Lime Requirement Index:** 8.09

The Lime Requirement Index (LRI) is a measure of the buffering capacity of the soil, its resistance to pH change, and is used to determine the appropriate amount of limestone, when necessary. LRI value near 8.0 indicates low buffering capacity of soil and a lower rate of limestone amendment compared to soil with high buffering capacity (LRI near 7.0).

### Macronutrients (pounds per acre)

**Phosphorus:** 250 (Above Optimum)  
**Potassium:** 857 (Above Optimum)  
**Magnesium:** 417 (Above Optimum)  
**Calcium:** 2741 (Above Optimum)



by Mehlich 3 extraction

### Micronutrients (parts per million)

<b>Zinc(Zn)</b> 28.50 (Adequate)	<b>Copper(Cu)</b> 3.54 (Adequate)	<b>Manganese(Mn)</b> 25.48 (High)	<b>Boron(B)</b> 1.12 (Adequate)	<b>Iron(Fe)</b> 328.70 (High)
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### Special Tests Results

Visual Description: Moist Color: Dark Brown soil and Black organic matter blend. As received: Loose, Sandy Material with Organic matter and fragments: Common Stem fragments.

Soluble Salts- Electrical conductivity= 0.48 mmho/cm  
(Satisfactory)

Organic matter by dichromate oxidation- Organic Matter= 3.1% Organic Carbon= 1.8%  
Very High for Loamy Sand

Gravel Content- Larger than 2mm: 12.9%

Mechanical Analysis- Sand= 84% Silt=10% Clay= 6% Texture: Loamy Sand

**Comments:**

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