





# Soil Test Report for - Area 3 Woods (crop: Trees Or Shrubs)

		Below Optimum	Optimum	Above Optimum
<a href="#">Phosphorus (P)</a>	10 ppm			
<a href="#">Potassium (K)</a>	110 ppm			
<a href="#">Magnesium (Mg)</a>	164 ppm			
<a href="#">Calcium (Ca)</a>	1073 ppm			
<a href="#">CEC</a>	9.414 meq/100 g			
<a href="#">Soil type</a>	MINERAL , Sand			
<a href="#">Soil pH</a>	6.3			
<a href="#">Lime index</a>	68			
<a href="#">Organic Matter</a>	5.6 %			

## Follow Your Personalized Recommendations

*Important:* Always apply fertilizers according to label instructions

Your soil test indicates you need to apply 1 lb. phosphate (P2O5)/1000 sq. feet and 0.4 lb. potassium (K2O)/1000 sq. feet to meet recommendations. Below you will find several fertilizer options for helping you meet the soil test recommendations. After you select a fertilizer, use the fertilizer calculator to determine how much phosphorus and potassium the fertilizer you selected will apply.

### » Part 1: Nitrogen and pH adjustment

Your fertilizer recommendations depend on your answers to the following questions

1. Do trees/shrubs have normal color and growth?
  1. Yes: **Do not fertilize**
  2. No: Go to 2.
2. What type of plant are you testing?
  1. **Acid loving plant (azalea, rhododendron, blue hydrangea)**
    - Add 2 lb sulfur / 100 sq ft
  2. **pH sensitive tree (pin oak, red maple, conifer)**
    - **No adjustment needed**
  3. **None of the above.** Add 0.1-0.2 lb N / 100 sq ft (for example: 1/4 to 1/2 lb 45-0-0 or 1 1/4 to 2 1/2 9-0-0 fertilizer per 100 sq ft). **No pH adjustment needed**

The following are typical fertilizers that can be used to satisfy the nutrient requirements of your garden. If the particular fertilizer is not available, choose a fertilizer close to the prescribed fertilizer and use the [Fertilizer Calculator](#) to determine how much nitrogen, phosphorus and potassium the fertilizer you choose applies.

» **Part 2: Phosphorus High (P 4.5 - 20ppm)**

**Recommended Phosphorus application per 100 sq ft**

- Actual Phosphate Needed: 0.05 lb
- 0-20-0: 0.2 lb

***OR***

- 0-46-0: 0.1 lb

1/10th pound of fertilizer = approximately 1/4 cup

» **Part 3: Potassium High (K 82.1 - 135ppm)**

**Recommended Potassium application per 100 sq ft**

- Actual Potash Needed: 0.06 lb
- 0-0-25: 0.2 lb

***OR***

- 0-0-60: 0.1 lb

1/10th pound of fertilizer = approximately 1/4 cup

**Use slow release nitrogen sources (at least 50% water insoluble nitrogen (WIN))**

**Fertilize in the spring or in the fall after bud set.**

» **Organic Matter Recommendation**

Organic matter in your soil is 5.6%. Your soil has an adequate level of organic matter and no further actions need to be taken. Mulching tree and shrubs with 2-3" of organic mulches can help maintain soil organic matter.