

Soils, Fertilizers, and Plant-Soil Relationships North Fort Myers Recreation Center Tuesday, May 1, 2018

Soils are the natural medium in which plants grow. Healthy plants are dependent on healthy soils. Our success as landscapers and gardeners is often dependent on an understanding of soil, fertilizers, and the relationships between soils and plants. Here is some of what you'll learn: What is soil and how soil chemistry affects plant nutrients uptake from soil minerals and fertilizers; fertilizer types; reading the fertilizer label; and determine nutrient deficiencies by leaf examinations. This class is ideal for landscapers and for those who require a better understanding of plant-soil relationships.

Where: 2000 North Recreation Park Way, North Fort Myers. (behind the North Fort Myers library: GPS, 2021N. Tamiami Trail North Fort Myers)

When: Thursday, May 1, 2018

Cost and Registration: \$20/person if registered online at [Eventbrite](https://www.eventbrite.com). No refund within 30 hours of the event. On site registration is \$25/person. Make check payable to LCEAB

CEUs: 4 Limited Urban Fertilizer (this class is sufficient to retain your limited urban fertilizer license)

Instructors: Stephen Brown, Lee County Extension; Douglas Caldwell, Collier County Extension

- 12:00 pm Registration
- 12:30 **Introduction to Soils**
Session include soil components; types of local soils; effect of pH on plant nutrient uptakes; macro and micro nutrients
- 1:30 Break
- 1:40 **Understanding Fertilizers and When to Use Them**
Session includes an understanding of fertilizers analyses, compositions and solubilities
- 2:15 Break
- 2:25 **Identifying Plant Nutrient Deficiencies by Plant Observations**
Your plants often tell you what's missing in their diet if only you could read their language.
- 3:30 Break
- 3:40 **Major Nutrient Deficiencies in South Florida Palms**
A look at phosphorus, Magnesium, Magnesium and Boron Deficiencies in palms
- 4:40 Adjourn

