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# Plant Nutrition and Fertilizer Management in Nursery Operations

Target Specialty Products,  
431 Daisy Lane  
San Marcos, CA 92078

**Registration Begins at 7:30 am**

**Cost: \$35**

*Join us for a workshop series (English and Spanish sessions available) where Cooperative Extension Specialist Donald Merhaut and Monterey County Director María de la Fuente will present plant nutrition and fertilizer management information useful to nursery growers, managers, and personnel.*

English session begins at 8:00 am

Moderator/Presenter: Donald Merhaut, UCCE Specialist, for Nursery and Floriculture Crops. UC Riverside

Spanish sesión begins at 1:00 pm

Presentador: María de la Fuente, Asesora Agrícola, UC Extensión Cooperativa Condado de Monterey

## Workshop 1: August 21<sup>st</sup>, 2019

### Fertilizers: Plant Nutrition and the Nursery Infrastructure

This workshop will focus on plant nutrition in a nursery production system. The program will be divided into two topics: The first half will be dedicated to essential plant nutrients. We will describe the essential nutrients, their role in plant growth, how they move in the container media, and how they are taken up into the root system and transported throughout the plant. We will finish this topic by training individuals on how to identify plant nutrient deficiency and toxicity symptoms in the plant. The second half of the workshop will provide an overview of a nursery production system, from the perspective of developing a profitable and sustainable fertilizer management program. We will discuss production practices such as propagation, canning, bed design and management, media management, and irrigation water management and how they affect fertilizer inputs, outputs, and fertilizer performance in a nursery. After completion of this second half of the program, the individual will have the basic information to help design and optimize their fertilizer management program and troubleshoot fertilizer management problems, as it relates to overall nursery operations.

#### Workshop “Key” Learnings:

- Identify and understand the role of plant nutrients in plant growth and their role in plant growth.
- Identify plant nutrient deficiency and toxicity symptoms.
- Understand the sources and movement of fertilizers in a nursery production system.
- Develop the groundwork for optimizing fertilizer use in a container nursery operation.

**To register, go to: [ucnfa.ucanr.edu](http://ucnfa.ucanr.edu) and follow the link. Para registrarte, ingresa a: [ucnfa.ucanr.edu](http://ucnfa.ucanr.edu) y sigue el link**

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