

Plant Nutrition and Fertilizer Management in Nursery Operations

UC Cooperative Extension Auditorium,
1432 Abbott Street
Salinas, CA 93901

REGISTRATION: \$15

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

English session,

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

Spanish session,

Moderador: María de la Fuente, County Director, UCCE Santa Cruz and Monterey Counties

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

Workshop 1: JANUARY 11th, 2018

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, culling, 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.

Workshop 2: FEBRUARY 20th, 2018

Fertilizers: Types, Use, and Methods of Monitoring Fertilizer Status in a Nursery Operation

This workshop will focus on fertilizers and their use in nursery operations. The first half of this program will describe fertilizer types such as granular fertilizers, Controlled Release Fertilizers (CRFs) and liquid fertilizers. We will describe the pros and cons of each fertilizer type and how to optimize fertilizer performance. The second half of the program will be dedicated to monitoring and measuring the quality of irrigation water and media. We will identify and demonstrate methods of conducting on-site tests for measuring media quality and water quality. We will then review protocols for proper sampling for off-site sample analyses.

Workshop “Key” Learnings:

- Have a working knowledge of fertilizer types.
- Choose the proper fertilizer(s) to optimize plant growth and have a sustainable operation
- Use fertilizers properly to optimize nutrient uptake into plants
- Monitor media and water quality
- Develop a record keeping program to track production with fertilizer usage.

To register, go to: ucnfa.ucanr.edu and follow the link

Para registrarte, ingresa a: ucnfa.ucanr.edu y sigue el link

These workshops are partially funded by the CDFA Fertilizer Research and Education Program

Thanks to our partners!

