



SCRI - CLEAN WATER³
REDUCE, REMEDIATE, RECYCLE

2017 California Nursery Conference

Water Management In Nursery and Greenhouse Production

Courtyard Irvine Spectrum
7955 Irvine Center Drive
Irvine, CA 92618

Thursday, July 27, 2017

Sponsored by:

UC Nursery and Floriculture Alliance
USDA SCRI Clean Water³
SoCal CAPCA
California Association of Nurseries and Garden Centers
Nursery Growers Association

and the following University of California Agriculture and Natural Resources programs:

Cooperative Extension
South Coast Research and Extension Center
Statewide Integrated Pest Management Program

7:00 AM **Registration**

8:00 AM **Welcome**

Hosts: Loren Oki, Dept. of Plant Sciences, UC Davis
Darren Haver, SCREC & UCCE Orange County

8:10 AM **Session I Analyzing Production Systems and Marketing Environmental Features of Landscape Plants**

Moderator: Darren Haver, SCREC & UCCE Orange County

Understanding water footprint of nursery production

Josh Knight

Extension Associate
Department of Horticulture
Univ Kentucky

Analyzing nursery production systems for environmental impact potential and cost

Dewayne Ingram

Professor
Department of Horticulture
Univ Kentucky

Defining and marketing ecosystem services provided by landscape plants

Dewayne Ingram

Professor
Department of Horticulture
Univ Kentucky

9:10 AM **Break**

9:30 AM **Session II Marketing Environmental Features and Decision Management**

Moderator: Loren Oki, Plant Sciences Department, UC Davis

Marketing water use To consumers

Bridget Behe

Professor
Department of Horticulture
Michigan State Univ

How growers make decisions

Alexa Lamm

Asst Professor & Assoc Director
Center for Public Issues Education
Univ Florida

Container CRF management

Jim Owen

Assistant Professor
Virginia Agricultural Res & Ext Center, Hampton Roads
Virginia Tech

10:30 AM **Break**

10:50 AM **Session III Irrigation and Nutrient Management**

Moderator : Sarah White, Plant and Environmental Sciences Department,
Clemson University

Irrigation management using soil moisture sensors

John Lea-Cox

Professor
Department of Plant Sciences & Landscape Architecture
Univ Maryland

Where do nutrients go when you irrigate? Managing irrigation to enhance nutrient retention in container production

Tom Fernandez

Professor
Department of Horticulture
Michigan State Univ

Nitrogen management plans

Bruno Pitton

Staff Research Associate
Department of Plant Sciences
Univ California, Davis

12:00 PM **Lunch**

Posters and trade show

1:30 PM **Session IV Managing and Using Recycled Water**

Moderator: Paul Fisher, Environmental Horticulture Department, University of Florida

Adding tools in the water management toolbox

John Majztrik

Research Assistant Professor
Plant and Environmental Sciences Department
Clemson Univ

Impacts of recycled water on plant growth

Bert Cregg

Associate Professor
Department of Horticulture
Michigan State Univ

Managing biofilms and clogging

Paul Fisher

Professor and Extension Specialist
Environmental Horticulture
Univ Florida

2:30 PM **Break**

2:50 PM **Session V Treating Captured Runoff For Reuse and Economics of Recycling Water**

Moderator : John Kabashima, UCCE Orange County

Biological treatment Of runoff

Sarah White

Associate Professor
Plant and Environmental Sciences Department
Clemson Univ

Slow sand filters remove pathogens from captured runoff

Loren Oki

CE Specialist
Department of Plant Sciences
Univ California, Davis

Water recycling economics case study

Darren Haver

Director and Advisor
South Coast Res & Ext Center and UCCE Orange County
Univ California ANR

Discussion/surveys

4:10 PM **Adjourn**

Posters

Online grower decision making tools

Saurav Kumar

Research Assistant Professor
Civil Engineering
Univ Texas, El Paso

Clean Water3 project website

Paul Fisher

Professor and Extension Specialist
Environmental Horticulture
Univ Florida

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Southern CA Chapter



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