



**“CONTROLLED ENVIRONMENT AGRICULTURE (CEA) FOR  
FOOD PRODUCTION AND ENVIRONMENTAL STEWARDSHIP”  
April 9-14, 2012 - Westward Look Resort – Tucson, AZ  
SCHEDULE**

Monday, April 9, 2012

Arrival, Set-Up, Registration and Get Acquainted Day

Registration Location: Sonoran Ballroom Foyer

Exhibitor Gallery Location: Coyote Room

1:00 – 3:30 pm	Exhibitor Set-Up
1:00 – 5:00 pm	Registration Table Open
3:30 pm	Exhibitor Gallery Open until 7:30 pm
5:30 pm	Cash Bar Opens
6:00 – 7:30 pm	Welcome Reception (by RSVP) with Hors d'oeuvre and non-alcoholic punch
7:30 pm	Speakers Meeting: Location TBD

Tuesday, April 10, 2012

7:00 – 8:00 am	Breakfast Buffet
8:00 – 8:15 am	Welcome and Introductions
8:15 – 9:00 am	Greenhouse Structures and Designs
9:00 – 9:45 am	Greenhouse Site Selection
9:45 – 10:45 am	Lighting Fundamentals
10:45 – 11:00 am	Break
11:00 – 12:00 pm	Environmental Control I
12:00 – 1:00 pm	Lunch
1:00 – 1:45 pm	Plant Nutrition Basics
1:45 – 2:30 pm	Fertigation Management
2:30 – 3:30 pm	Seed and Crop Varieties
3:30 – 3:45 pm	Break
3:45 – 4:30 pm	Pollination and Bees Management
4:30 – 5:15 pm	Plant Diseases
5:15 – 6:00 pm	Integrated Pest Management
6:00 pm	Chefs' Garden Tour – Westward Look Resort



Wednesday, April 11, 2012

7:00 – 8:00 am	Breakfast Buffet
8:00 – 8:15 am	Welcome & Announcements
8:15 – 9:00 am	Growing Systems and the Crops They Support
9:00 – 9:45 am	Energy Systems and Conservation
9:45 – 10:45 am	The Plant Factory
10:45 – 11:00 am	Break
11:00 – 12:00 pm	Enhancing Produce Quality and Nutritional Values
12:00 – 1:00 pm	Lunch
1:00 – 1:45 pm	Tunnels: From High Hoop Houses to High Technology
1:45 – 2:45 pm	Farmers Market and Roadside Stands
2:45 – 3:30 pm	Success in the Grower Market
3:30 – 3:45 pm	Break
3:45 – 4:30 pm	Rooftop Greenhouses
4:30 – 5:30 pm	Grafting and New Markets
6:00 – 7:00 pm	Exhibitor Highlight Reception
7:00 – 9:00 pm	CEAC Mission Awards Dinner

Thursday, April 12, 2012 (Full Course Registrants and One-Day-Only Registrants)

**Aquaponics:** Kevin Fitzsimmons, James Rakocy, Eric Highfield

7:00 – 8:15 am	Check in for One-Day-Only Registrants
7:00 – 8:00 am	Breakfast Buffet
8:00 – 8:15 am	Welcome & Announcements
8:15 – 10:45 am	Aquaponics
10:45 – 11:00 am	Break
11:00 – 12:00 pm	Aquaponics
12:00 – 1:00 pm	Lunch
1:00 – 3:00 pm	Aquaponics
3:00 – 3:15 pm	Break
3:15 – 6:00 pm	Aquaponics
Dinner – On Own	

Friday, April 13, 2012 **ONE-DAY-ONLY AQUAPONIC REGISTRANTS**

8:30 am	Tour of Aquaponics Greenhouse: Kevin Fitzsimmons
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Friday, April 13, 2012    **FULL SHORT COURSE REGISTRANTS**

7:00 – 8:00 am            Continental Breakfast  
8:00 am                    Charter Bus Leaves Westward Look for On-site CEAC Workshops

8:30 – 10:15 am        **ROUND ONE WORKSHOPS**

- Basics of Fertigation
- Tomato Crop Maintenance Using High Wire Systems
- Growing Lettuce and Herbs in a Floating System
- Sensors and Controls Basics
- My First Greenhouse

10:15 – 12:00 pm       **ROUND TWO WORKSHOPS**

- Basics of Fertigation
- Tomato Crop Maintenance Using High Wire Systems
- Growing Lettuce and Herbs in a Floating System
- Sensors and Controls Basics
- My First Greenhouse

12:00 – 1:00 pm        Lunch

1:00 – 2:45 pm        **ROUND THREE WORKSHOPS**

- Basics of Fertigation
- Tomato Crop Maintenance Using High Wire Systems
- Growing Lettuce and Herbs in a Floating System
- Sensors and Controls Basics
- My First Greenhouse

2:45 – 5:00 pm        **TOUR de CEAC**

- High Tunnel Site
- Greenhouse Environment Control Systems
- Applications of LED Lighting
- Worms et al (organics)

5:30 pm                Charter Bus Arrives Back at Westward Look Resort

Dinner – On Own

Saturday, April 14, 2012

**OPTIONAL COMMERCIAL GREENHOUSE TOUR TO WILLCOX GREENHOUSES, LLC**

7:00 – 8:00 am            Continental Breakfast  
8:00 am                    Leave Westward Look for Willcox  
10:00 – 12:00 pm        Comprehensive Tour of Willcox Greenhouses, LLC  
                                  (10 acre privately owned hydroponic operation in Willcox AZ)  
LUNCH                    En Route Back to Westward Look Resort  
2:00 pm                    Estimated Return to Westward Look Resort  
2:30 – 3:30 pm            Afternoon Break (Siesta Mexicana) post Tour