



# SOUTHWEST



# AG SUMMIT

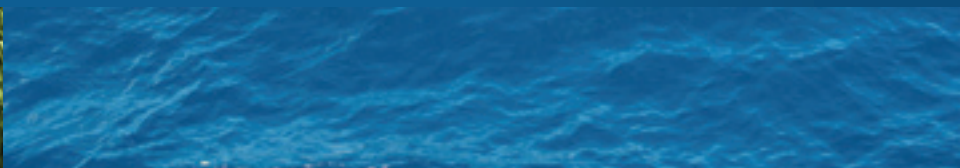


# OFFICIAL PROGRAM

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# Welcome!

On behalf of the Yuma Fresh Vegetable Association, Arizona Western College Foundation, University of Arizona Cooperative Extension, and Yuma County Farm Bureau, we welcome you to the Southwest Agriculture Summit. We hope you will take advantage of all the Summit opportunities beginning with the Jacob Louis Daily Memorial Golf Tournament and ending with the Advanced Agriculture Tour.

The success of the summit has always been a result of a collaboration among our agricultural industry leaders, University research, teaching and extension faculty. We are honored to be working collaboratively this year to bring you greater presentation diversity throughout our four-day schedule. We build on the strength of the past 71 years of Yuma Fresh Vegetable Association's membership as well as the Yuma County Farm Bureau's general agricultural leadership. United, we have created the premiere agricultural event that encompasses virtually every aspect of scientific, technical and practical crop production and related fields.

Yuma agriculture recognizes the unique role that the Arizona Western College and the University of Arizona play in both preparing students for the workplace and enhancing the skills of professionals already on the job. In this light, we will welcome local students to our 2018 conference as well, and invite them to see for themselves, that agriculture is certainly more than farming. We are well aware that the Summit would not be possible without our sponsors, community partners, media partners and many more that come together to ensure its success. The Ag Summit is just one example of the strong partnerships within the Yuma agricultural industry. Take pride in our annual event, network with colleagues, participate in a breakout forum or panel discussion, tour the vendor trade show, celebrate our industry at the Harvest Dinner, take a tour led by a Yuma agriculture expert, build new relationships, and enjoy the experience.

Steve Alameda,  
President  
Yuma Fresh Vegetable Association



# SOUTHWEST AG SUMMIT

## Schedule of Events



### TUESDAY, FEBRUARY 20, 2018

#### Jacob Louis Daily Memorial Scholarship Golf Tournament & Lunch

Mesa Del Sol Golf Club | 11:30 a.m. - 5:00 p.m.

### WEDNESDAY, FEBRUARY 21

#### Field Demonstration and Trade Show (CEU's available)

Breakfast Burritos & Coffee | Arizona Western College  
7:00 a.m. - 3:00 p.m.

#### Field Demonstration Lunch

11:30 a.m. - 1:00 p.m.

#### Opening Reception and Trade Show

Arizona Western College | 5:30 p.m. - 8:30 p.m.

### THURSDAY, FEBRUARY 22

#### Trade Show

Arizona Western College | 7:00 a.m. - 4:00 p.m.

#### Continental Breakfast and Registration

Arizona Western College | 6:30 a.m. - 7:30 a.m.

#### Morning Keynote Panel (CEU's available)

7:30 a.m.

#### Trade Show (1 CEU)

8:30 a.m. - 9:20 a.m.

#### Morning Breakout Sessions (CEU's available)

Arizona Western College | 9:30 a.m. - 11:30 a.m.

#### Lunch and Afternoon Keynote Speaker (CEU's available)

Afternoon Keynote Panel | Arizona Western College  
12:00 p.m. - 1:30 p.m.

#### Afternoon Breakout Sessions (CEU's available)

Arizona Western College | 1:30 p.m. - 3:30 p.m.

#### Harvest Dinner

Colorado River State Historic Park | 6:00 p.m.

### FRIDAY, FEBRUARY 23

#### Advanced Agriculture Tour with Lunch

Departs from Holiday Inn Express | 8:00 a.m. - 12:30 p.m.

## KEYNOTE SPEAKERS

# AM

Morning Keynote • Thursday, February 22

## Labor: Local, Western and National Perspective on H2A

Panel: Chalmers Carr, Tony Tew, Tom Nunes V

# PM

Lunch Keynote • Thursday, February 22

## Labor, By The Numbers

Speaker: Craig Regelbrugge, *National Co-Chair, Ag Coalition for Immigration Reform*

Our workforce is changing, and growers are struggling to get the job done. Absent relief, we will see long-term changes to the structure of the U.S. Agricultural industry. This session will cover trends, implications, and the outlook for legislative or other policy reforms.



# JACOB LOUIS DAILY

## MEMORIAL

### SCHOLARSHIP GOLF TOURNAMENT

### February 20, 2018

*Mesa Del Sol Golf Club*

-4 person blind draw scramble-

Entry Fee: \$100

*(Includes green fees, cart, lunch,  
and on course beverages)*

Shotgun Start | Lunch: 11:30a.m.

[REGISTER AT](#)

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## TUESDAY AGENDA - FEBRUARY 20

- 11:30-5:00 **Jacob Louis Daily Memorial Scholarship Golf Tournament** Presented by **Wilbur Ellis** (Mesa Del Sol Golf Club)



## WEDNESDAY AGENDA - FEBRUARY 21

- 7:00-8am **CEU Sign-up, Breakfast Burritos** from **Keithly-Williams Seeds** (AWC Land Lab)
- 8:00-3:00 **Field & Classroom Demonstrations Event** (3 CCA and 3 CA/AZ PCA CEUs) presented by **Booth Machinery** (AWC Lab 101 & AWC Land Lab)
- 11:30-1:00 **Field Demonstration Lunch** (Las Palapas Taco Cart)
- 5:30-8:30 **Opening Reception** presented by **Lee Farms, CAPCA, Yuma County Farm Bureau & Mellon Farms** (AWC)



## THURSDAY AGENDA - FEBRUARY 22

- 6:30-7:30am **Breakfast** sponsored by **BASF** (3C Conference Room, AWC)
- Opening Remarks** Steve Alameda, President, Yuma Fresh Vegetable Association
- 7:30-8:30 **Morning Keynote Panel: Labor: Local, Western and National Perspective on H2A** (1 CCA CEU) (AWC) Presented by **RDO Water**. Chalmers Carr, Tom Nunes V, Tony Tew
- 8:30-9:20 **Trade Show** (1 CA CEU)



### BREAKOUT 1

**Amigo Business Session**  
*Location: East Board Room*

- 9:30-10:30 **Labor, Employment and Other Potential Liability Risks- Protecting Your Business and Limiting Potential Liabilities**  
Meghan C. Scott, Esq., Noble Law Office  
Tony Tew, Foothill Packing  
Chalmers Carr, Titan Farms

- 10:30-11:30 **Succession, Estate Planning and Tax Matters- Considerations and Planning for the Future**  
Meghan C. Scott, Esq., Noble Law Office  
Page Misenhimer, CPA, Misenhimer, Aivazian & Tennant, PC

### BREAKOUT 2



**Integrated Pest Management Regulatory Update** (2 CCA and AZ/CA PCA CEUs)

*Location: Frances Morris Board Room*

- 9:30 – 10:30 **California Pesticide Regulatory Update**  
Renee Pinel, Western Plant Health Association

- 10:30 – 11:30 **Arizona Pesticide Regulatory Update**  
Jack Peterson, Arizona Department of Agriculture

**Moderator:** Chris Denning, Gowan Company

### BREAKOUT 3



**Understanding Water and Salt Balance in the Lower Colorado River Region** (2 CCA CEUs)

*Location: AS 112*

- 9:30-10:00 **Understanding Water and Salt Balance in the Lower Colorado River Region-A Public-Private Partnered YCEDA Initiative**  
Paul Brierley, University of Arizona, Yuma Center for Excellence in Desert Agriculture

- 10:00-10:30 **Toward a Better Understanding of Crop Water Use in Desert Crop Production Systems**  
Andrew French, USDA-ARS Aridland Research Center

- 10:30-11:00 **Considerations of Salt Management in Arid Land Production Systems**  
Clinton Williams, USDA-ARS Aridland Research Center

- 11:00-11:30 **Preliminary Observation of Salt Balance in Lower Colorado River Crop Production Systems**  
Charles A. Sanchez, Department of Soil, Water, and Environmental Sciences, University of Arizona

**Moderator:** Dr. Charles A. Sanchez, University of Arizona

## BREAKOUT 4



### New Ag Technology

Location: AS 113

#### 9:30-10:00 Update on Organic Weed Control in Cool Season Vegetables

Richard Smith, University of California Cooperative Extension, Monterey County, CA

#### 10:00-10:30 The Design and Development of an Automated Weeding Machine

Ryan Herbon, President and CEO, Agmechtronix

#### 10:30-11:00 Don't Get Left in the Dust- Precision Ag is a Must

Nate Dorsey, Agronomist, RDO Equipment Co.

#### 11:00-11:30 The Future of Agriculture – Automation and Robotics

Dr. Mark Siemens, Dept. of Agricultural and Biosystems Engineering, University of Arizona

**Moderator:** Mark Siemens, University of Arizona

## BREAKOUT 5



### Weather & Yuma Agriculture

(2 CCA CEUs requested)

Location: AS 105

#### 9:30-10:15 Weather & Pest Management Review for 2017/18 Vegetable Production Season

Drs. John Palumbo, Mike Matheron and Paul Brown - Extension Specialists in Entomology, Plant Pathology and Biometeorology, University of Arizona

#### 10:15-11:00 Long Range Agricultural Weather Forecasts: Current Challenges & Future Prospects

Dr. Mike Crimmins, Extension Specialist, Climate Science, Department of Soil, Water & Env. Sci., University of Arizona

#### 11:00-11:30 Monitoring Leaf Wetness for Improved Disease Management in Yuma County

Dr. Paul Brown, Extension Specialist, Biometeorology, Department of Soil, Water & Env. Sci., University of Arizona

**Moderator:** Paul Brown, University of Arizona

## 11:45-1:30 Lunch & Keynote Address



Dow AgroSciences

Location: 3C Conference Center



### Labor, By the Numbers

Keynote Speaker: Craig Regelbrugge, National Co-Chair, Ag Coalition for Immigration Reform

### Immigration Reform

## BREAKOUT 6



### Food Safety

Location: East Meeting Room

#### 1:30-2:00 FSMA Produce Safety Rule – Arizona Update

Joe Oddo, AZ Department of Agriculture

#### 2:00-2:30 Considerations for Compost and Food Safety

Dr. Aaron Pleitner, FSNS Research Scientist

#### 2:30-3:00 Agricultural Water Treatment

Daniel Cronin, The Deerpoint Group

#### 3:00-3:30 Water Quality and Irrigation: Grower Perspectives

Jessica Dery, University of Arizona

Presented by the Yuma Safe Produce Council

## BREAKOUT 7



### Integrated Pest Management in Vegetables

(2 CCA CEUs requested)

Location: Frances Morris Board Room

#### 1:30-2:10 Biology and Management of Onion Thrips

Dr. Tim Waters, Department of Entomology, Washington State University, Pasco, WA

#### 2:10-2:50 Practical Approaches to Preventing and Managing Pesticide Resistance

Dr. Jesse Richardson, DowDupont, Hesperia, CA

#### 2:50-3:30 Management of Diamondback Moth in the Desert: A Research Update

Dr. John Palumbo, Department of Entomology, University of Arizona, Yuma, AZ

**Moderator:** Dr. John Palumbo, University of Arizona

## BREAKOUT 8



### Fertilization Management in Desert Cropping Systems

(2 CCA CEUs requested)

*Location: AS 112*

- 1:30-2:00 **An Overview of the CDFA Fertilizer Research and Education Program (FREP)**  
Natalie Jacuzzi, California Department of Food and Agriculture
- 2:00- 2:30 **Considerations for K Fertilization in Vegetable Production Systems**  
Eric Ellison, Koch Biological Solutions
- 2:30-3:00 **Fūsn (Fused Safe Nutrients) a New N Fertilizer (26-0-0-14) for SW Vegetable Production**  
Dr. Galen Mooso, J. R Simplot
- 3:00-3:30 **Innovations in Water and Nitrogen Fertilizer Management for Drip Irrigated Cotton**  
Kevin Bronson, USDA ARS Aridlands Research Center

**Moderator:** Charles Sanchez, University of Arizona

## BREAKOUT 9



### Water Rights and Conditions

*Location: AS 113*

- 1:30-2:10 **Water Rights Acquisition Programs in Arizona**  
Perri Benemelis, Manager Central Arizona Groundwater Replenishment District  
Andrew Caddock, Analyst, Central Arizona Groundwater Replenishment Program
- 2:10-2:50 **Water Rights Acquisition Programs in Southern California**  
Shanti Rosset, Program Manager, Metropolitan Water District of Southern California
- 2:50-3:30 **Current Water Conditions in Arizona**  
Dr. Paul Brown, Soil, Water and Environmental Science Dept., University of Arizona

**Moderator:** Barry Tickes, University of Arizona

## BREAKOUT 10



### Cotton Production & Protection

(1 AZ/CA CEUs)

*Location: AS 105*

- 1:30-2:00 **Cotton & Auxin Herbicides: Benefits & Challenges**  
Dr. Bill McCloskey, Extension Specialist, School of Plant Sciences, University of Arizona
- 2:00-2:30 **Cotton Variety Performance Summary and Various Fungicide Performance Updates**  
Dr. Randy Norton, Regional Specialist, Safford Agricultural Center, University of Arizona
- 2:30-3:00 **New Research & Trends in Insect Control in Cotton**  
Dr. Peter Ellsworth, Extension Specialist, Maricopa Agricultural Center, University of Arizona
- 3:00-3:30 **Fusarium Wilt Race 4: The California Experience**  
Dr. Robert Hutmacher, Extension Cotton Specialist, Univ. of California, Five Points, CA
- Moderator:** Randy Norton, University of Arizona
- 6:00-10:30 **Harvest Dinner** (Sold Out)  
Colorado River State Historic Park  
201 N. 4th Avenue, Yuma, Arizona

## FRIDAY AGENDA - FEBRUARY 23

- 8:00-12:00 **Advanced Ag Tour**  
*Location: Departing Holiday Inn Express*
- Tour Guide:** Matt McGuire, General Manager, JV Farms



# Summit Vendor & Exhibitor Map

## 3C BUILDING & COURTYARD

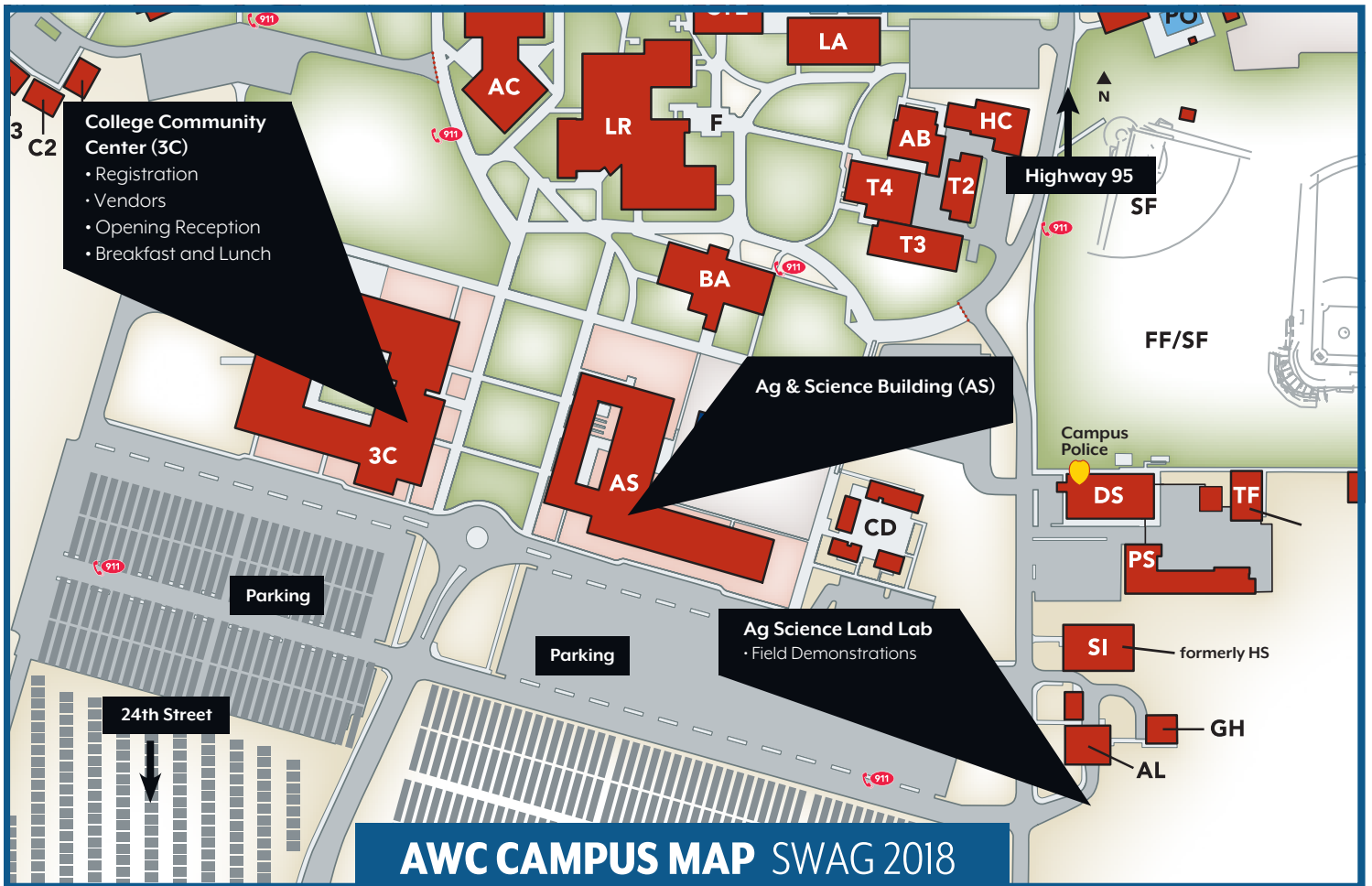
Breakout sessions located in the Agriculture & Science Building



## SOUTHWEST AG SUMMIT VENDOR BOOTHS

|                                |                                      |  |   |
|--------------------------------|--------------------------------------|--|---|
| Agmechtronix.....14            | Empire CAT.....63                    | North American Specialty Products.....86 | Tessenderlo Kerley.....5                                |
| Ag Pro Systems.....20          | Farm Credit Services Southwest.....7 | NutriAg.....75                           | The Catalyst Group.....18                               |
| Agrinos.....61                 | Farm Inc.....78                      | Organic Farms (Foster Farms).....50      | The Farms Choice.....17                                 |
| Alforex Seed.....44            | Flame Engineering.....33             | Pacific Ag Rentals.....19                | Trace Genomics.....62                                   |
| AWC Ag Dept.....35             | Flaska JCB.....76                    | PBM Sprayers.....85                      | True Organics.....83                                    |
| AZ Dept. of Agriculture.....46 | FMC.....71                           | Pinnacle Seed.....32                     | UA Cooperative Extension.....36                         |
| AZ FFA Foundation.....42       | Fresh Harvest.....79                 | Rain For Rent.....29                     | UA Cooperative Extension.....64                         |
| AZ LGMA.....24                 | Global Organics.....11               | RDO Equipment.....25                     | University of Arizona.....38                            |
| Ball DPF.....68                | Go AG! (YFVA).....37                 | RDO Water.....26                         | USDA.....82   |
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| Bingham Equipment.....9        | Greenline Equipment.....69           | SBC Global.....77                        | Weather Tec.....31                                      |
| BioFlora.....48                | IAS Labs.....84                      | Seteco.....1                             | West Gaines Seed Americot.....60                        |
| BioSafe Systems.....45         | JH Bio Tech.....57                   | Sprague's Sports.....2                   | Western Region Certified Crop Advisor Board.....49      |
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| Buckner Superior.....13        | Keithly-Williams Nursery.....66      | Storm Manufacturing.....73               | YARA.....74   |
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| Deerpoint Group.....43         | MIDCO Global.....72                  | Sym-Agro.....58                          | Yuma Investment Group.....70                            |
| Dow Agrosiences.....80         | Nature's Source.....23               | Symborg.....30                           |   |
| East Bay Tire Company.....54   | Nelson Irrigation.....28             | Syngenta.....55                          |   |





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