

# Agenda

Weed Science School 2023  
Sept. 19-21, 2023 ▪ UC Davis

## Day 1 ▪ Tuesday, September 19, 2023

12:30-1:30 PM	<i>Registration</i>	
1:15-1:30	<i>Introduction and announcements</i>	
1:30-2:15	General plant biology	Justin Valliere, UC Davis
2:15-3:00	Weed ecology: competition	Scott Steinmaus, Cal Poly San Luis Obispo
3:00-3:15	<i>Break</i>	
3:15-3:45	Plant invasion biology and ecology	Mohsen Mesgaran, UC Davis
3:45-4:15	Aquatic weed biology	Brenda Grewell, USDA-ARS
4:15-5:00	Weed seed biology	Steve Fennimore, UC Davis
5:00-5:10	<i>Closing remarks, discussion</i>	
5:10-6:10 PM	<i>Social/networking hour—light refreshments</i>	

## Day 2 ▪ Wednesday, September 20, 2023

8:00-8:05 AM	<i>Announcements</i>	
8:05-8:50	Herbicide absorption, translocation and metabolism	Brad Hanson, UC Davis
8:50-9:35	Growth regulators	Kassim Al-Khatib, UC Davis
9:35-10:20	Physical control and other organic weed management strategies	Steve Fennimore, UC Davis
10:20-10:35	<i>Break</i>	
10:35-11:20	Lipid and amino acids synthesis inhibitors	Kassim Al-Khatib, UC Davis
11:20-12:05	Cell division and cell wall inhibitors	Joe DiTomaso ( <i>emeritus</i> ), UC Davis
12:05-12:10	<i>BREAKOUT GROUP assignment</i>	
12:10-1:00 PM	<i>Lunch</i>	

	GROUP A	GROUP B
1:00-2:00	Grass and broadleaf ID Joe DiTomaso ( <i>emeritus</i> ), UC Davis	Adjuvant demonstration James Schaeffer/Paul Crout Helena Agri-Enterprises
2:00-2:05	<i>MOVE TO NEXT ROTATION</i>	
2:05-3:05	Adjuvant demonstration James Schaeffer/Paul Crout Helena Agri-Enterprises	Grass and broadleaf ID Joe DiTomaso ( <i>emeritus</i> ), UC Davis

3:05-3:15	<i>BREAK/RETURN TO LECTURE HALL</i>	
3:15-4:00	Photosynthetic and pigment synthesis inhibitors and free radical generators	Kassim Al-Khatib, UC Davis
4:00-4:15 PM	<i>Closing remarks, discussion</i>	

# Agenda

Weed Science School 2023  
Sept. 19-21, 2023 ▪ UC Davis

## Day 3 ▪ Thursday, September 21, 2023

8:00-8:05 AM	<i>Announcements</i>	
8:05-8:35	Herbicide resistance and tolerance mechanisms Environmental impacts	Kassim Al-Khatib, UC Davis
8:35-9:20	▪ herbicide degradation and physical removal in soil	Brad Hanson, UC Davis
9:20-10:05	▪ groundwater contamination and regulatory aspects	Murray Clayton, CA Dept. of Pesticide Regulation
10:05-10:20	<i>Break</i>	
10:20-11:05	▪ how do weeds and their control influence soil health	Amélie Gaudin, UC Davis
11:05-11:35	Weed management and restoration in natural areas	Justin Valliere, UC Davis
11:35-12:05	Technology discussion (sensing, data processing, actuation)	Mohsen Mesgaran, UC Davis
12:05-1:00	<i>Lunch</i>	
1:00-1:30	Machine weeding/machine vision	William Patzoldt, Blue River Technology
1:30-1:35	BREAKOUT GROUP ASSIGNMENTS	
<i>Breakout</i>	<b>GROUP A</b>	<b>GROUP B</b>
1:35-2:30	Spray nozzle demonstration John Roncoroni ( <i>emeritus</i> ), UCCE Napa County and Scott Oneto, UCCE Central Sierra	Herbicide symptomology lab Brad Hanson, UC Davis
2:30-2:35	MOVE TO NEXT ROTATION	
2:35-3:30	Herbicide symptomology lab Brad Hanson, UC Davis	Spray nozzle demonstration John Roncoroni ( <i>emeritus</i> ), UCCE Napa County and Scott Oneto, UCCE Central Sierra
3:30-3:35	RETURN TO LECTURE HALL	
3:35-4:20	Herbicide drift and the utility of the symptomology website	Kassim Al-Khatib, UC Davis
4:20-4:30	<i>Evaluation, discussion and wrap up</i>	