

Course Agenda

**Course Title:** UAV/Ag Robotics Field Day 2019 **Course Date:** July 15, 2019 **Start time:** 9:00am **End time:** 11:30am

DPR = CE Hours and Categories requested from CA Dept. Pesticide Regulation

CCA= Certified Crop Advisor hours requested from California CCA Office

CE Hrs Requested/ CE Category	Time	Speakers Name/ Affiliation	Title/Topic/Main Points	% of Time Related to Pest Mgmt or Pesticides
DPR- 0.25hr Other CCA-0.25hr Prof. Dev	9:00am- 9:20am	Graduate Student Team UC Merced Engineering	Ongoing research: Using UAV's to collect multi-spectral images to help determine best timing of pest control practices: 5 min discussion, 10 min demonstration flight, 5 min questions	75%(15 min)
DPR- 0.25hr Other CCA-0.25hr Prof. Dev	9:30am- 9:50am	Graduate Student Team CSU Fresno Engineering Depart.	Ongoing research: Using UAV's to collecting weather data from remote sensor stations for use in determining timing of pest control practices: 5 min discussion, 10 min demonstration flight, 5 min questions	75%(15 min)
DPR- 0.25hr Other CCA-0.25hr Prof. Dev	10:00am- 10:20am	Jim McKay CalTech Ag Quantix Pilot/Rep	Overview of a currently available, light-weight, simple to fly UAV that collects multi-spectral images to determine vegetative health for use in determining pesticide applications and other inputs 5 min discussion, 10 min demonstration flight, 5 min questions	75%(15 min)
DPR- 0.25hr Other CCA-0.25hr Prof. Dev	10:30am- 10:50am	Brad Anderson Yamaha Motors Unmanned Systems Division Manager	-Overview of Yamaha Motors Precision Ag- FAA Part 137 Certification, California DPR Licenses, current pesticide applications in Napa and Sonoma wine grape regions 5 min discussion, 10 min demonstration flight, 5 min questions	75%(15 min)
DPR- 0.25hr Other CCA-0.25hr Prof. Dev	11:00am- 11:20am	Chuma Ogunwole Business/Operations Mgr Pyka Autonomous Aerial Application	Automated Pesticide Spraying using the Pyka Fixed-Wing Autonomous Aircraft 5 min discussion, 10 min demonstration flight, 5 min questions	75%(15 min)

**Total DPR hours requested: 1.25 hr Other**