



THE UNIVERSITY OF ARIZONA  
COLLEGE OF AGRICULTURE & LIFE SCIENCES  
**Yuma Agricultural Center**  
Experiment Station



THE UNIVERSITY OF ARIZONA  
**Cooperative Extension**



THE UNIVERSITY OF ARIZONA  
**Yuma Center of Excellence for Desert Agriculture**

# 3<sup>rd</sup> AgTech Field Demo: Automated & Robotic Technologies

Tuesday, October 25, 2022 | Yuma Agricultural Center (6425 W. 8<sup>th</sup> St.)

CEUs approved: 3.0 CCA Precision Ag, 3.0 AZDA, 2.5 CA-DPR

7:00 AM		<b>Registration and Breakfast Burritos</b>
7:30		<b>Welcome and Introductions</b>
7:45	 MANTIS AG TECHNOLOGY	<b>The Mantis Weeder</b> <i>Jared Johnson, Mantis Ag Technology, Gonzales, CA</i>
8:00	 K.U.L.T. cultivation solutions	<b>Camera-based Inter-row and Intra-row Cultivation Solutions – Challenges and Advantages</b> <i>Kim Haug, K.U.L.T.-Kress LLC, New Holland, PA</i> <i>Daniel Riehle, K.U.L.T.-Kress GmbH, Kürnberg, Germany</i>
8:15	 STOUT AGTECH	<b>Automated Weed Control Using Stout Smart Cultivator</b> <i>Steve Snyder, Stout Industrial Technology, Salinas, CA</i> <i>Sal Espinoza, Stout Industrial Technology, Salinas, CA</i>
8:30	 FarmWise	<b>Automated Intra-row Weeding with Titan</b> <i>Paul Elliott, FarmWise, Salinas, CA</i>
8:45	 naio Technologies	<b>Autonomous Robots for Effective Farming</b> <i>Christian Obed Melendez, Naio Technologies, Salinas, CA</i>
9:00	 nexus FARM FORWARD	<b>Precision Weed Pulling for Vegetable Crops</b> <i>Hunter Torres, Nexus Robotics, Inc., Saint-Bruno-de-Montarville, Quebec, Canada</i>
9:15	 VISION ROBOTICS Corporation	<b>Improved Crop and Weed Detection with AI on Thinners</b> <i>Tony Koselka, Vision Robotics, Corp., San Diego, CA</i>
9:30	 Padma Agrobotics	<b>Application of AI Automation for Weeding and Thinning Operations</b> <i>Cole Brauer, Padma Agrobotics, Phoenix, AZ</i>
9:45	 ARIZONA	<b>Novel Band-Steam Applicator for Controlling Weeds and Soilborne Pathogens</b> <i>Mark Siemens, Dept. of Biosystems Engineering, University of Arizona</i>
10:00	 CARBON ROBOTICS	<b>Laser Weeding: The Future of Weed Control</b> <i>Ben Palone, Carbon Robotics, Seattle, WA</i>
10:15	 CYPRESS AGRITech	<b>Autonomous Bird Laser Deterrent for Effective Abatement of Pest Birds</b> <i>Joseph Traut, Cypress AgriTech, Bakersfield, CA,</i>
10:30	 RDO EQUIPMENT CO.	<b>John Deere Turn Automation</b> <i>Josh Edgar, RDO Equipment Co., Yuma, AZ</i>
10:45	 K.U.L.T. cultivation solutions	<b>Early Cultivation in Direct Seeded Lettuce</b> <i>Kim Haug, K.U.L.T.-Kress LLC, New Holland, PA</i>
11:00	 AG MECHTRONIX	<b>Automated Pipe Skidder</b> <i>Ryan Herbon, Agmechtronix, Silver City, NM</i>
11:15	 ARIZONA	<b>Sprinkler Tech: Efficiencies and Herbicide Application</b> <i>Robert Masson, Yuma County Cooperative Extension, University of Arizona</i> <i>Diaa Elshikha, Dept. of Biosystems Engineering, University of Arizona</i>