

“Innovations in Weed Control Technologies” Session and Field Demo at 2022 Southwest Ag Summit

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Keeping up to date with the latest developments in automated weeding machines is challenging. It's a very fast-moving space with significant private and public investment. At the 2022 Southwest Ag Summit **“Innovations in Weed Control Technologies”** breakout session, university experts and cutting-edge innovators will provide updates on the latest domestic and international developments in automated weeding, autonomous ag robots, and non-chemical weed control (agenda below). The session will be held **TOMMOROW** Thursday, February 24th from 1:30-3:30 pm.

As I mentioned in the last newsletter, we'll also be demoing our band-steam applicator for controlling soilborne diseases and weeds at the Southwest Ag Summit Field Day. We'll also have our 2nd generation prototype band-steam applicator on display (Fig. 2). It is simpler in design and has a higher capacity steam generator as compared to our first prototype. This will increase travel speed and thereby work rate. The event is scheduled for **TODAY**, Wednesday, February 23rd from 10:30 am – 4:30 pm.

For more information about the Southwest Ag Summit, visit <https://yumafreshveg.com/southwest-ag-summit/>.

Hope to see you there!

Acknowledgements

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INNOVATIONS IN WEED CONTROL TECHNOLOGIES

(Requesting 2 Each AZ/CA PCA and 2 CCA)

Location: AS 113

- 1:30-1:45p **Current State of Weeding Technologies and Innovations from a European Perspective**
Kim Haug, K.U.L.T. Kress Umweltschonende Landtechnik GmbH
- 1:45-2:00p **A European Perspective on Weeding Technologies and Innovations**
Daniel Riehle, K.U.L.T. Kress Umweltschonende Landtechnik GmbH
- 2:00-2:30p **Automated Weeding and Sowing Solutions for Smarter Farming**
Ingrid Sarlandie, Naïo Technologies
- 2:30-3:00p **Thermal Micro-Dosing with Heated Vegetable Oil for Controlling Post-Emergent Weeds**
Xiong Chang, Tensorfield Agriculture
- 3:00-3:30p **Novel Band-Steam Applicator for Controlling Weeds and Soilborne Pathogens**
Mark Siemens, University of Arizona, Yuma Ag Center

Moderated by Mark Siemens

Fig. 1. “Innovations in Weed Control Technologies” breakout session agenda at the 2022 Southwest Ag Summit. Session will be held Thursday, February 24th at Arizona Western College, Yuma, AZ.



Fig. 1. Prototype band-steam applicator for controlling soilborne pathogens and weeds on display at the 2022 Southwest Ag Summit, Yuma, AZ. Applicator sled and trailer fabricated by Keithly-Williams Fabrication, Yuma, AZ. Steam generator provided courtesy of Simox, Contamine-sur-Arve, France.