

53rd Annual Weed Day

July 16, 2009 ■ Buehler Alumni Center, UC Davis

7:30 AM Registration–Buehler Alumni Center
8:00 Welcome and announcements–*Tom Lanini, UC Davis*
8:15 Buses leave the Buehler Alumni Center

Field applied research and demonstrations–UC Davis Farm; Weed identification quiz

8:25-8:40 Jatropha curcas: potential biofuel crop–*Joe DiTomaso, UC Davis*
8:40 WALK TO NEXT AREA
8:45-9:05 Processing tomato tolerance and weed control with carotenoid biosynthesis inhibitors–*Tom Lanini*
9:05 WALK TO NEXT AREA
9:10-9:30 Weed control and melon tolerance to new herbicides–*Tom Lanini*
9:30 LOAD BUSES
9:40-10:30 USDA Aquatic Research Facility

- Root dynamics of the two leading biofuel crops: *Miscanthus* and switchgrass–*Jeremiah Mann, Jacob Barney, Guy Kyser, and Joe DiTomaso, UC Davis*
- Aquatic weed demonstrations and research–*Lars Anderson and Dave Spencer, USDA-ARS Exotic and Invasive Weed Research*
- Weed identification quiz
- Break

10:30 LOAD BUSES
10:40-10:55 Simulated drift onto almonds–*Tom Lanini*
10:55 LOAD BUSES
11:05-11:35 Control of roadside weeds with new herbicides–*Joe DiTomaso and Guy Kyser*
11:35 LOAD BUSES
11:45 Buffet lunch ■ view weed ID specimens ■ open discussion on weed topics

Research Presentations–AGR Room, Buehler Alumni Center

12:30 PM Weed ID answers–*Ellen Dean and Jean Shepard, UC Davis, Center for Plant Diversity*
12:45 Online interactive weed identification program–*Joe DiTomaso*
1:00 Soil moisture stress tolerance of a leading biofuel crop *Miscanthus x giganteus*–*Jeremiah Mann, Jacob Barney, Guy Kyser and Joe DiTomaso*
1:15 Mitigating risks of biofuel crop escape: cultivating energy not invasive species–*Joe DiTomaso, Jacob Barney, Guy Kyser, and Jeremiah Mann*
1:30 Yellow starthistle and its competitive ability–*Dave Spencer*

- 1:45 IR-4 Project pesticide residue studies–*Don Stewart and Tom Lanini, UC Davis*
- 2:00 Growth and competition with rice of herbicide-susceptible and -resistant *Echinochloa phyllopogon*–*Louis Boddy and Albert Fischer, UC Davis*
- 2:15 Break (15 minutes)
- 2:30 The changing role of host specificity for *Diorhabda elongata* (Coleoptera: Chrysomelidae), a biological control agent of saltcedars–*Hillary Thomas and Frank Zalom, UC Davis*
- 2:45 Non-target site multi-herbicide resistance mechanisms: late watergrass (*Echinochloa phyllopogon*) as a case study–*Hagai Yasuor and Albert Fischer, UC Davis*
- 3:00 Soil disinfestation with steam and solarization for flower and strawberry–*Celeste Gilbert and Steve Fennimore, UC Davis*
- 3:15 Evolution and spread of Glyphosate Resistant EPSPS (5-Enolpyruvylshikimate-3-phosphate synthase) Alleles–*Anna Sherwood and Marie Jasieniuk, UC Davis*
- 3:30 Western milfoil (*Myriophyllum hippuroides*) a new problem in irrigation systems: When natives go bad!–*Lars Anderson*
- 3:45 Developments in organic herbicides in specialty crops–*Shosha Capps and Tom Lanini, UC Davis*
- 4:00 Evaluation/Adjourn