

22nd Annual Maricopa County Short Course

Tuesday, September 13, 2016

12:30 to 5:00 PM

University of Arizona Maricopa County Cooperative Extension

4341 East Broadway Road

Phoenix, AZ 85040

4 hours CEU's applied for AZ Dept of Ag and OPM

Development and Prevention of Herbicide Resistance by Weeds in Desert Crops and Turf & Ornamentals

Presented by

Bill McCloskey, UA Extension Weed Specialist, School of Plant Sciences

Kai Umeda, UA Turfgrass Extension Agent, Maricopa County

George Friswold, UA Extension Economist, Department of Agricultural and
Resource Economics

- 12:30 pm History of weed responses to herbicide applications
McCloskey and Umeda
- 1:00 Current weed control strategies and over-reliance on herbicides in
crops, turf, and other vegetation landscapes in Arizona
McCloskey and Umeda
- 2:00 Managing weed seed populations and tactics for delaying the
development of herbicide resistance, and consideration of herbicide
mechanisms of action
McCloskey
- 2:30 break
- 2:45 Herbicide application technologies to enhance herbicide performance
and reduce off-target movement
McCloskey
- 3:30 Economics and social implications of herbicide resistance
Friswold
- 4:15 Developing new strategies to integrate new and old herbicides with
cultural practices across the landscapes of Arizona to avert future
resistance development
Panel discussion and wrap-up
- 5:00 Adjourn