

Diagnosing Herbicide Symptoms 2018

July 10-11, 2018 ▪ UC Davis

Agenda

Day 1 ▪ Tuesday, July 10, 2018

1:00-1:30 PM	<i>Check in</i>	
1:30-2:00	Introduction and goals of the course	Brad Hanson, UC Davis
2:00-3:15	Herbicide mode of action and symptomology	Kassim Al-Khatib, UC Davis
3:15-3:30	<i>Break</i>	
3:30-4:30	Using symptomology tools to investigate herbicide damage	Kassim Al-Khatib
4:30-4:40	Closing remarks for Day 1	Brad Hanson
4:40-6:00 PM	Stay and talk to the experts (<i>light snacks provided</i>)	

Day 2 ▪ Wednesday, July 11, 2018

8:00-8:15 AM Meet in the field (SITE 1)—coffee and morning pastries

Field symptomology demonstration

	GROUP A	GROUP B	GROUP C
8:15-8:45 (30 mins.)	BLOCK 1 ▪ RONCORONI <i>Symptoms from herbicides that affect photosystem I, photosystem II, or that act by disrupting cell membranes</i>	BLOCK 2 ▪ HANSON <i>Symptoms from several classes of amino acid synthesis inhibiting herbicides on a range of annual crop species</i>	BLOCK 3 ▪ AL-KHATIB <i>Symptoms from herbicides that mimic plant hormones and the synthesis of fatty acids on a range of annual crop species</i>
8:45-8:50	Move to NEXT BLOCK		
8:50-9:20	BLOCK 2 ▪ HANSON	BLOCK 3 ▪ AL-KHATIB	BLOCK 1 ▪ RONCORONI
9:20-9:35	<i>BREAK</i>		
9:35-10:05	BLOCK 3 ▪ AL-KHATIB	BLOCK 1 ▪ RONCORONI	BLOCK 2 ▪ HANSON
10:05-10:10	Move to BLOCK 4		
10:10-10:40	BLOCK 4 ▪ HANSON <i>How timing of herbicide exposure can impact symptoms</i>		

10:40-11:00 DRIVE TO SITE 2

11:00-11:30 **SITE 2 ▪ HANSON**

Symptoms from several herbicide modes of action on tree nuts

11:30-12:00 HEAD TO BOWLEY CENTER

12:00-12:45 *Lunch*

12:45-1:30 **Field investigations**

1:30-2:00 **What happens during a field investigation**

Brad Hanson
John Roncoroni,
UCCE Napa County
and Jose Chang,
Napa County Dept. of
Agriculture
Robert Davies,
Donahue Davies, LLP

2:00-2:30 **Crop injury lawsuits 101: what happens in an herbicide injury legal case?**

2:30-2:45 *Break*
2:45-3:30 **Biotic and abiotic symptoms**
3:30-4:15 **Case studies**
4:15-4:25 *Closing remarks and evaluation*

Kassim Al-Khatib
Brad Hanson