UCCE Webinar: Using N Rich Reference Zones to Guide N Management in California Small Grains

Thursday Nov. 4th, 2-4 PM

INMP/CURES CEU credits (2)

REGISTER HERE (registration and attendance are required to receive CEUs)

Join via zoom*:

https://ucanr.zoom.us/j/97188178075?pwd=ZGR0dERBOWJYR2pRbmxRZEF0RDBCZz09

The N-rich reference zone is a relatively small area within a field where extra N fertilizer is added at the beginning of the season. This extra fertilizer ensures that the reference zone is not N limited between planting and the time when an in-season N fertilizer decision is made. When a grower is determining whether and how much N fertilizer to add in-season, plant and soil measurements from both the reference zone and the broader field are compared to understand whether the broader field is sufficient in available N.

Meeting Objectives:
1) Provide a brief overview of the concepts and tools related to utilizing N rich reference zones to guide N management in California small grains.
2) Introduce newly developed decision support webtools that help growers, consultants, agronomists and other practitioners make site-specific and real-time decisions based on UC research data.
3) Discuss the implementation of N-rich reference zones and the use of UC web tools to make N management decisions on farmer fields across diverse environments around the state.

2:00 - 2:15   Overview of concepts and tools related to utilizing N rich reference zones to guide N management in California small grains. (Mark Lundy, UC Davis/UCCE)

2:15 - 2:30   Introduction to The Nitrogen Fertilizer Management Tool for California Wheat and other web tools for optimizing N management in California small grain crops (Taylor Nelsen, UC Davis)

2:30 - 2:35   Questions and Discussion

2:35 - 4:00   Case Studies: Using N-rich reference zones to guide N fertilizer management in diverse California environments. *Presentations will discuss specifics of implementing N rich reference zones and using UC decisions support tools to make in-season N fertilizer decisions. Presentations will cover a range of agroecosystems including irrigated, rainfed, fall- and spring-planted sites. In addition, sites where crop and soil monitoring detected N deficiency as well as sites where no N deficiency was detected will be discussed.*

2:35-2:45   2020-21 Yolo County irrigated site N rich case study (Mark Lundy, UC Davis/UCCE)

2:45-3:00   2020-21 Yolo County rainfed site N rich case study (Konrad Mathesius, UCCE)

3:00-3:15   2020-21 Kings County N rich case study (Nick Clark, UCCE)

3:15-3:30   2020-21 Sacramento County Delta N rich case study (Michelle Leinfelder-Miles, UCCE)

3:30-3:45   2019-20 Siskiyou County N rich case study (Giuliano Galdi, UCCE)

3:45-3:55   2020-21 Colusa County N rich case study (Sarah Light, UCCE)

3:55-4:00   Wrap-up discussion and survey