

*UCCE Siskiyou*

## 2020 Winter's Newsletter

### Announcements

*Siskiyou County Cattlemen  
Scholarship Application  
Due by: May 1st, 2020*

**Scholarships are available  
for Graduating Seniors &  
1-Continuing Education.**

**Applications will be sent  
out by March 18<sup>th</sup>**

Contact: Nicole Stevens  
530-842-2711 or  
nostevens@ucanr.edu

### Greetings from the Siskiyou County agronomy advisor,

After my first year in this position, I could not be more excited. The year of 2019 ended but it will always be remembered as “the year of learning”. I learned about the wonderful Siskiyou County agriculture, UC Extension, and the most important of all, our clientele. These local farmers and ranchers have helped me in many ways and I will always be grateful for the warm welcome I have received.

With a new research program being developed, I'm looking for new tools to share our research outcomes with the community of Siskiyou County. You will be able to find information about our programs through our website (<http://cesiskiyou.ucanr.edu/>), social media (please follow us on Facebook, Instagram and Twitter at **UCCE Siskiyou**), and quarterly newsletters that will be sent at the end of each season (winter, spring, summer, and fall). These newsletters will contain information about current research being conducted, future goals, event announcements, etc. As always, any suggestions and feedback are welcome (and very important!).



## Research Updates

### 2019 Roundup Ready Alfalfa Injury trial

As part of a multi-location study, a field trial was conducted in Scott Valley to investigate how temperature and agronomic practices (e.g. crop height when applying Roundup) could be causing injury (i.e. shepherd's crook symptoms) in Roundup Ready alfalfa. We also investigated the occurrence and role of the bacteria *Pseudomonas syringae* in crop injury.

#### Our results show:

- Injury is minimized if Glyphosate is applied when alfalfa is 2 inches tall or less
- Crop yield was not always significant where injury happened but some locations showed yield reduction up to 0.8 ton/acre (2017 study done by Steve Orloff)
- 44 oz/acre Glyphosate rate had more potential for yield loss than 22 oz/acre
- Older alfalfa stands were more affected
- Bactericide applications seem to help in some locations but future research is needed to understand how *Pseudomonas syringae* influences injury occurrence and degree

#### Future Research:

- New bactericide trials will be conducted in three locations (to be determined) in 2020. Bacteria population on the outside and inside the plants will be investigated before and after glyphosate application at the 6-8 inch alfalfa growth stage. Results will be shared when trials are completed.

### Scott Valley Alfalfa Variety Trial

A 3-year alfalfa variety trial was planted on 9/5/2019 to identify the most suitable varieties to be grown in Scott Valley. Yield data will be shared once a year through newsletters, social media and our website (<http://cesiskiyou.ucanr.edu/>).



### Scott Valley Variety Trial list

1	Ameristand 518 NT
2	Ameristand 427TQ
3	Ameristand 415 NT RR
4	Ameristand 545 NT RR
5	WL 377 HQ
6	6422Q
7	6585 Q
8	SW3407
9	SW4107
10	SW 4412Y
11	SW5210
12	AFX 579
13	AFX 460
14	Hybriforce 3400
15	AFX Hybriforce 4400
16	AFX Magnum 8
17	AFX 360 Highest
18	Nexgrow 6516
19	DG 4210 Dynagrow
20	LG 4R300
21	LG Camas
22	LG EXTERRA (5FD)
23	LG 5R300 (5FD)
24	DG 5315

## Other updates

### **New Livestock and Natural Resources Advisor**

We are glad to announce that we are currently in the process of refilling the Livestock and Natural Resources Advisor position. We will keep our community updated throughout the process. Meanwhile, you can share this address <https://recruit.ucanr.edu> with people who are interested in participating in the selective process. The application packets should be received by April 10, 2020 to be fully considered.

### **Looking for collaborator**

I am currently looking for a wheat (grain) grower to collaborate in a field trial that aims at improving crop's nitrogen management practices. Our local field trial would be one of the 14-16 demonstration sites that are going to be conducted in different small grain production regions including Sacramento Valley, San Joaquin Valley, Delta Region, and Intermountain Region of northern California. If you are interested, or know someone that might be, please don't hesitate to contact our UCCE office for more details.



Giuliano Galdi  
Agronomy & Crop Advisor

