

Notes from SARE grant meeting 5/18

Agenda:

1. Introductions
2. Review research plan/timeline
3. Discuss tensiometer install + Q&A w/ irrigation specialist Maria Zamora
4. Discuss weather station install & app
5. Data collection plan w/ Lucas Nebert, get feedback on draft of [data collection sheet](#)
6. Other Q&A

Tensiometers:

Discussion of sensor depth- monitor water available within the most active roots of each crop.

Install sensors at points in the field that reflect average rootzone, and then a few inches higher and a few inches lower.

Consistency across the fields may be challenging, but important to understand what's happening at root zone.

Key takeaways:

- Best to clump sensors together
- Install before you transplant/when prep bed.
- Change depths based on crop, focus on root zone. E.g. 4, 6, 8". **Everyone will have one of their depths at 12"**
- Best to take measurement same day every week; 1-2 days after irrigation
- use ½" class 315 pvc (thin wall SDR 13.5) or ¾" cpvc (SDR 11)

To do's

- Buy PVC
- Install tensiometer & weather station by time prep bed
- Download weather station app
- Fill in data collection sheet

Some links:

- [Irrigation monitoring using soil water tension](#)
- Irrrometer:
 - [Water Basics](#)
 - [Watermark](#) sensors
 - [Videos](#)
- [Data recording sheet](#)
- [The Understory Initiative](#)
 - [Klamath Falls event](#) – June 2nd in Klamath Falls

Action items:

Lucas to share interpretation guide

Maria to share soil type test

Katie to add notes to folder

Lucas to share previous data, how it looks

Katie to add Irrrometer root zone chart

Katie to share pic of manual

Lucas to create indiv. Spreadsheet and share, edit based on feedback

Katie and Lucas to troubleshoot weather station data sharing

Katie to check on invoices and receipts