SSHI Report 10/17/19

Hilltop:

* Seeds arrived for blocks 17, 18, and 19
	+ ~30# damaged seed from Handcock and unknown amount damaged from Petcher, but seeds at the bottom of the shipping create appear damaged.
* Measured soil respiration, soil temp, and soil moisture on 10/10 & 10/16
	+ Next field day – 10/22/19
* Soil moisture sensors and weather station are fully operation – download the app. ZENTRA
	+ Steph will send invitations to access the SSHI cloud
* Field observations: Sunnhemp starting to bud (day length?); cowpea has aphids and other signs of herbivory; radish germinating well; no sign of hairy vetch, mustard or black oats yet (too hot)

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| **Measurements** | **10-Oct** | **16-Oct** |
| **Average of Efflux** |  |  |
| CO | 2.346 | 1.2082 |
| T1 | 2.914 | 1.2876 |
| T2 | 2.4742 | 0.484 |
| T3 | 1.9676 | 0.966 |
| T4 | 1.448 | 1.191 |
| **Average of Moisture (%)** |  |  |
| CO | 5.16 | 3.78 |
| T1 | 5.5 | 5.22 |
| T2 | 5.28 | 4.66 |
| T3 | 5.38 | 4.42 |
| T4 | 5.36 | 4.74 |
| **Average of Temp (°C)** |  |  |
| CO | 36.52 | 36.36 |
| T1 | 35.26 | 35.28 |
| T2 | 36.82 | 35.06 |
| T3 | 96.7 | 36.32 |
| T4 | 37.5 | 35.6 |

UTRGV

* Cover crop treatments planted in research garden for demo on 10/14/19
* Qulina’s Sunnhemp inoculation study is underway – roots are forming nodules since last week
* Katie’s native cover crop seed germination trial is also underway. Currently calculating seed viability for winter varieties.