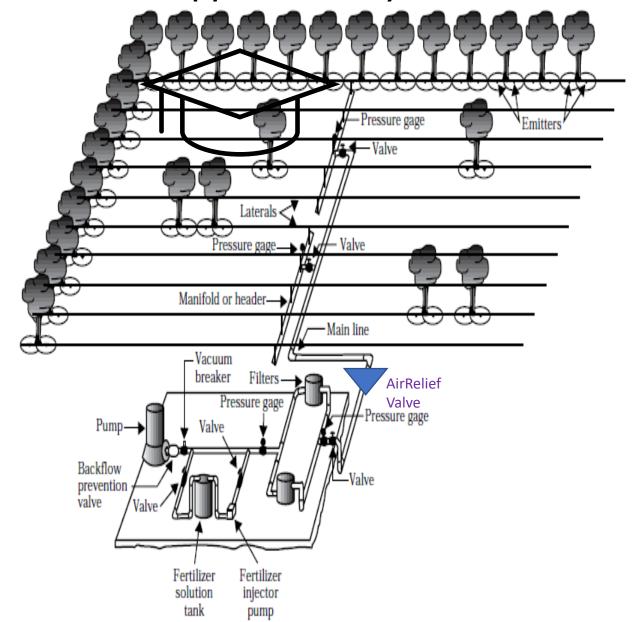


Irrigation
Considerations
When Developing a
Ground Water Well

Assessing Your Farm Irrigation System

- I regardless of crop or irrigation system, common problems occur in all types of systems.
- Sections of system to access include;
- Point of Connection /Pump
- Filter System
- Mainline & Valving
- Zone Valves Headers
- Laterals
- Comparison of system demand to actual application.



Backflow Preventors





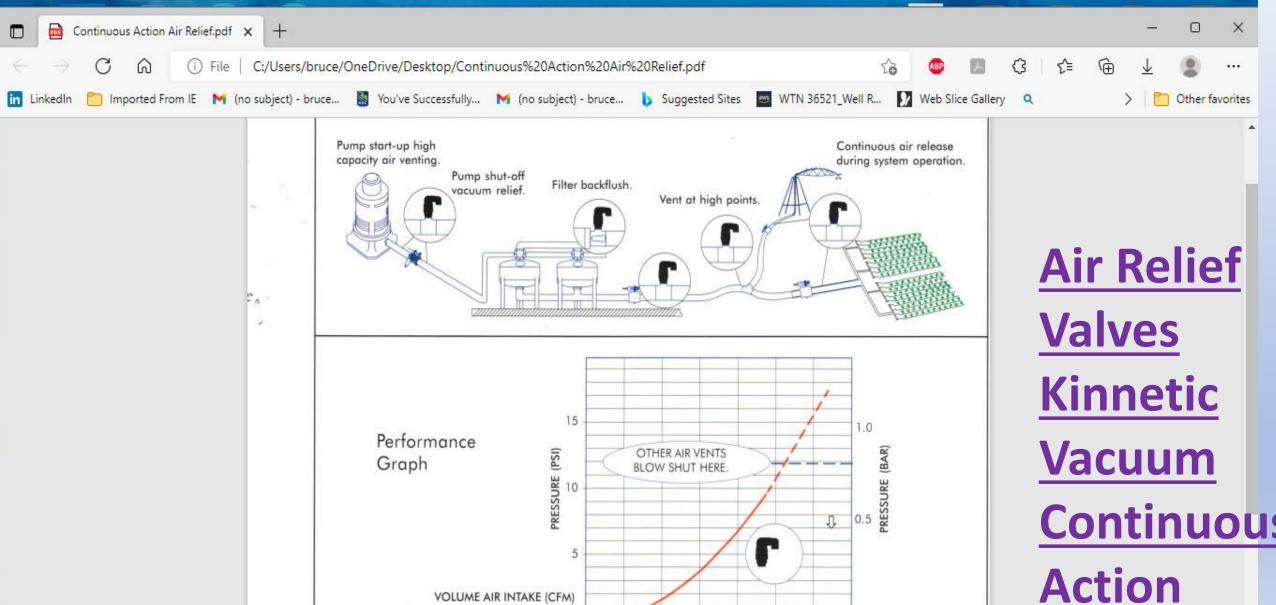
Water Meters

Filtration



<u>This Photo</u> by Unknown Author is licensed under <u>CC BY-SA-NC</u>

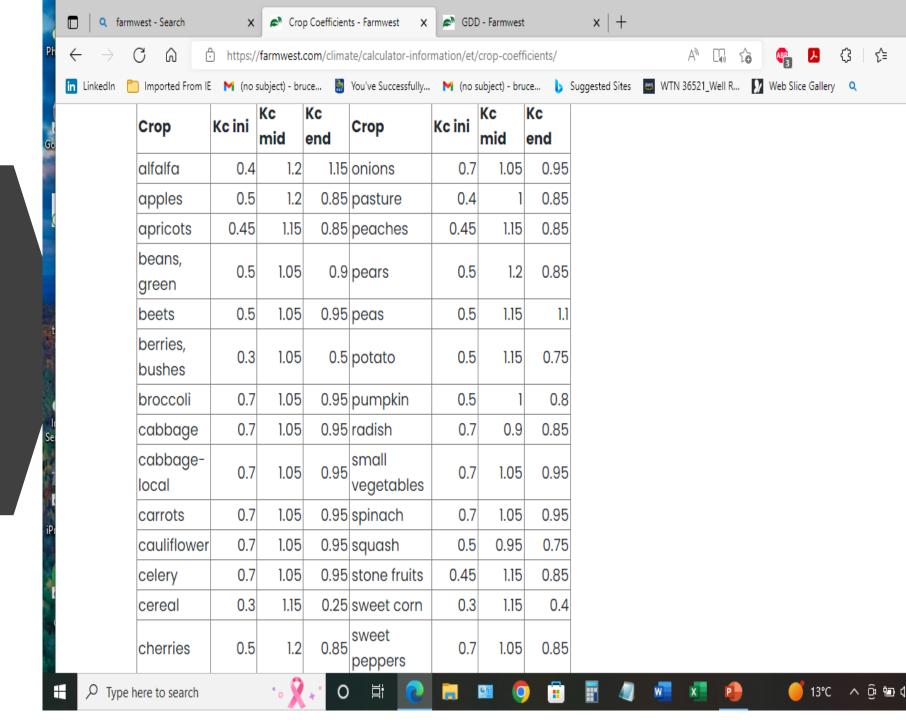
Air Relief Valves- Air, Vacuum, Continuous Acting



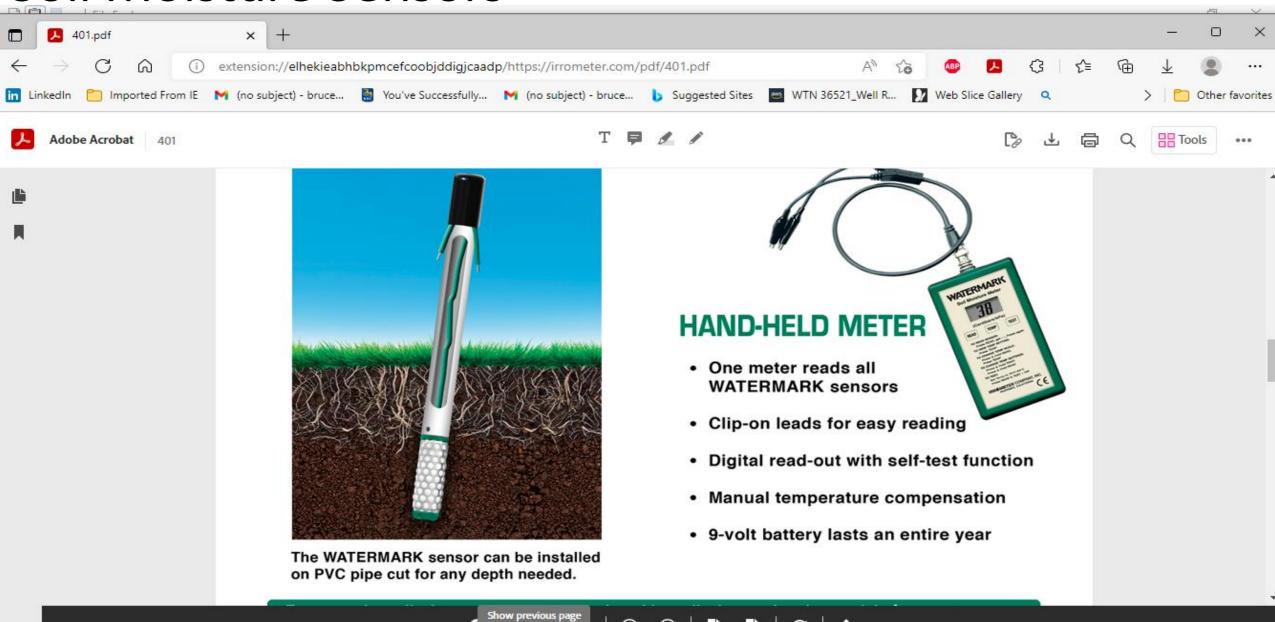
Climate Change, Proactive Measures



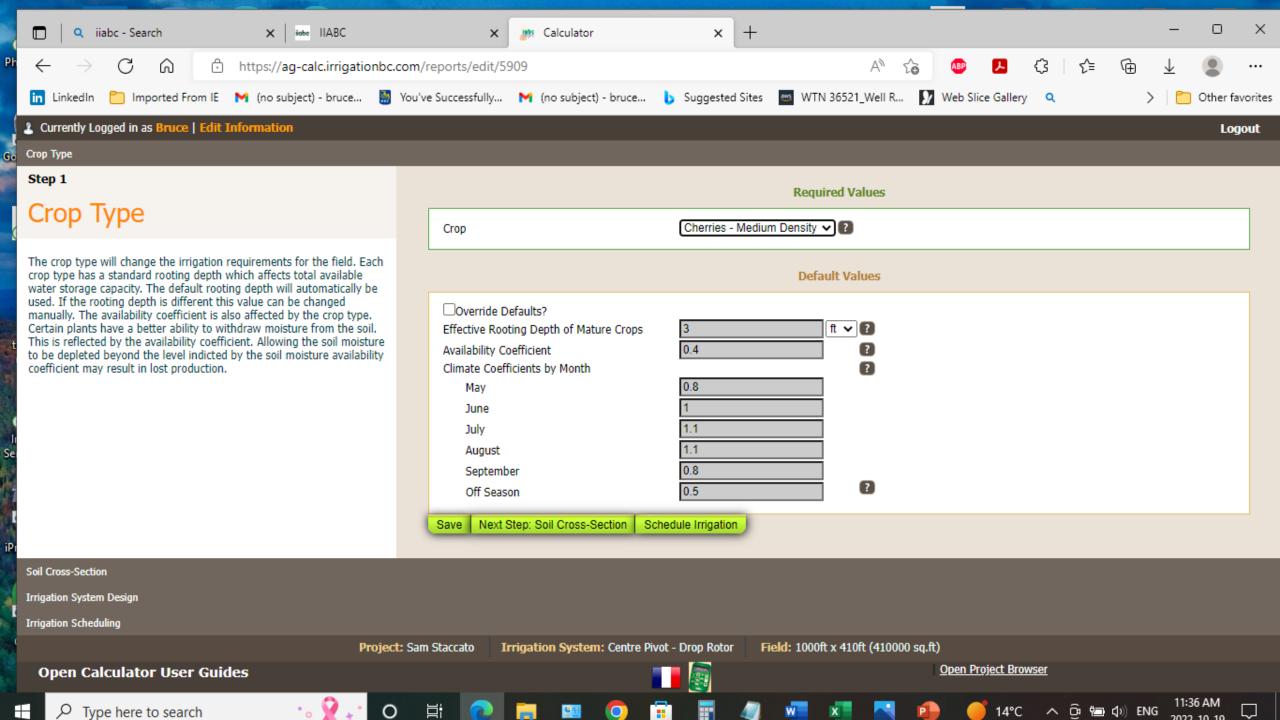
<u>Crop</u> <u>Coefficients</u>

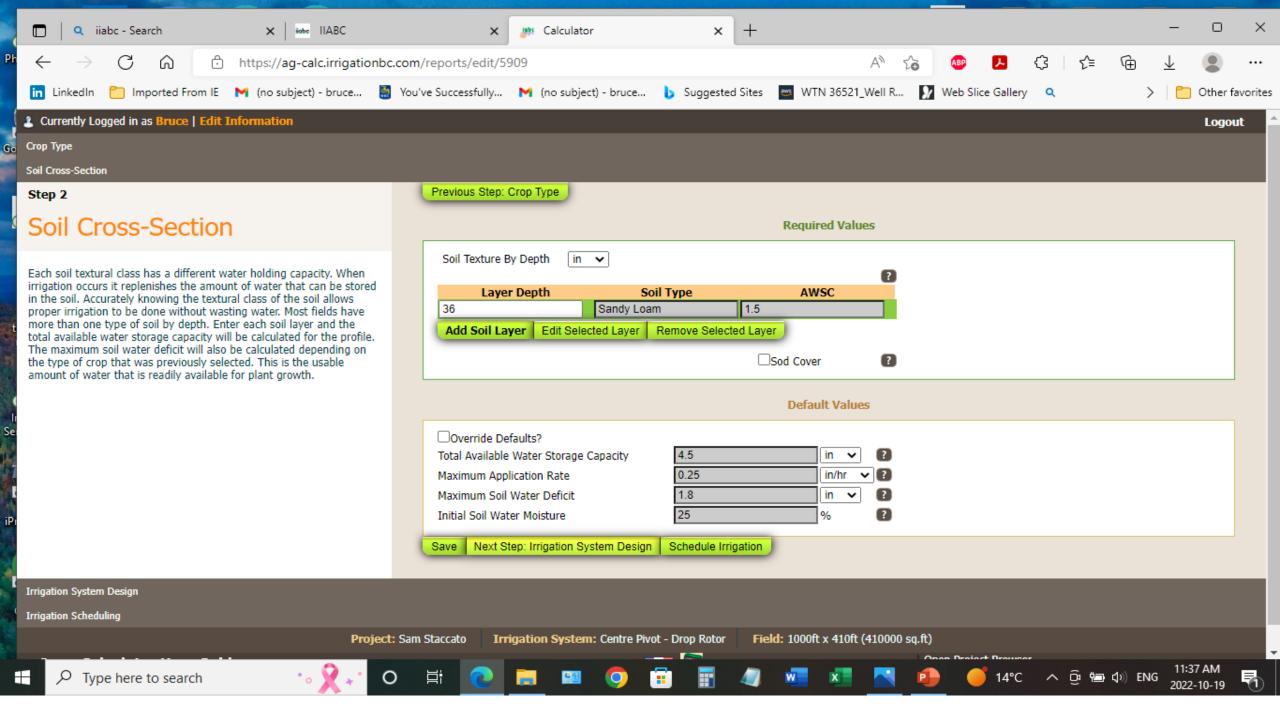


Soil Moisture Sensors

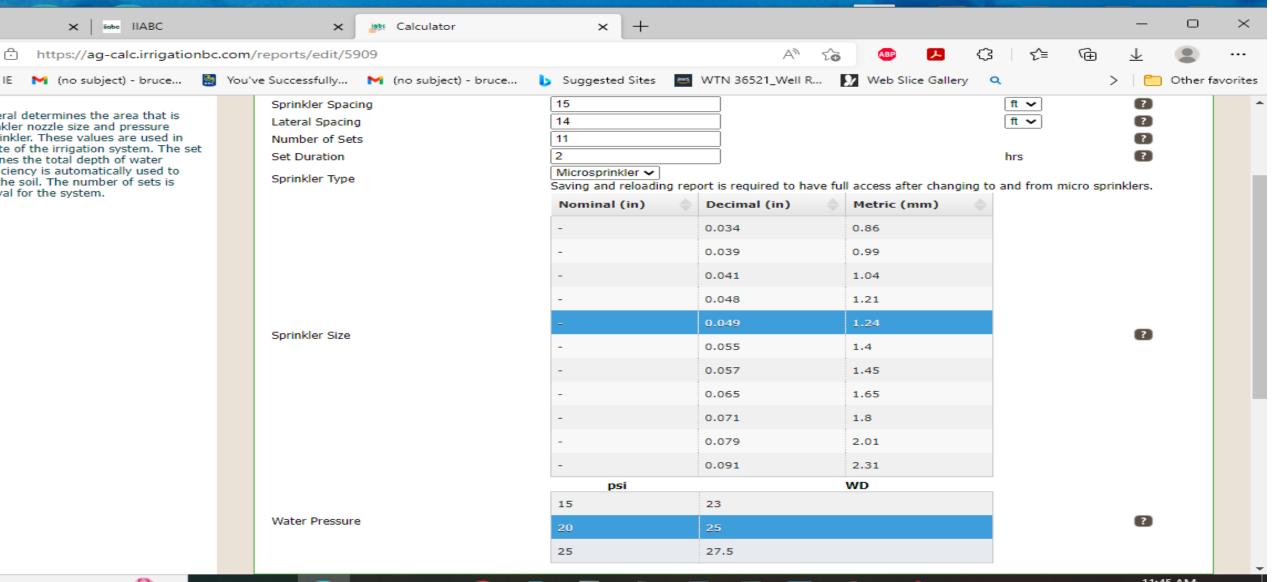






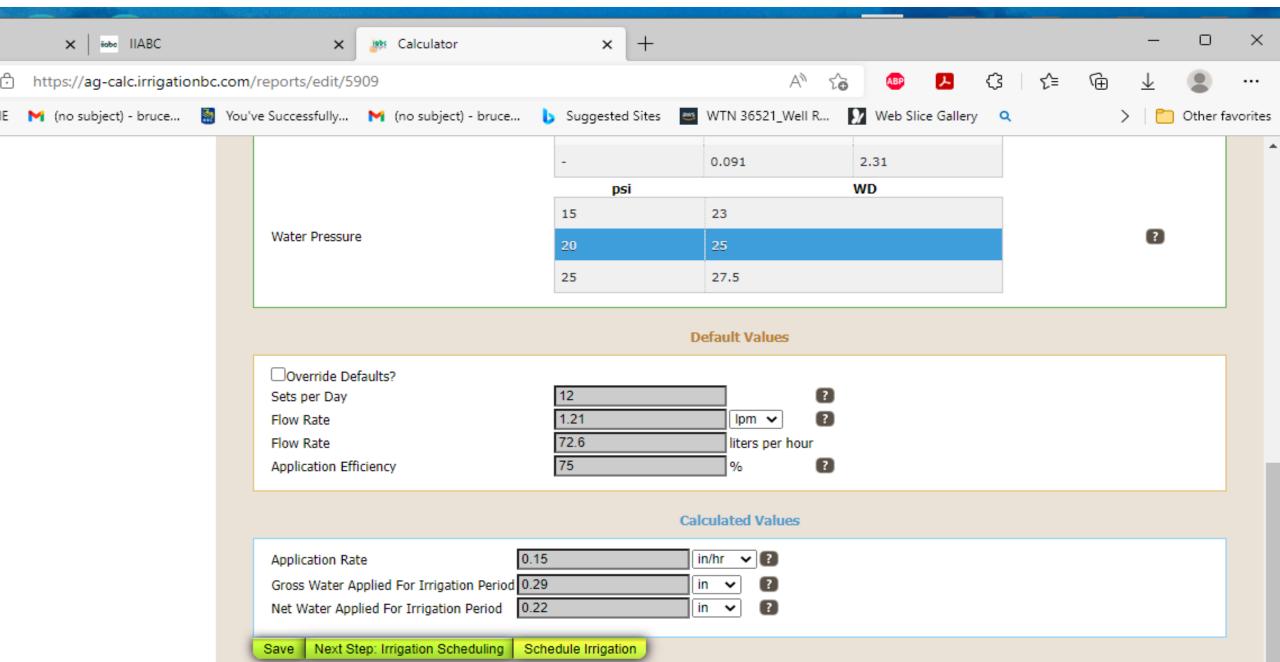


Irrigation System Design

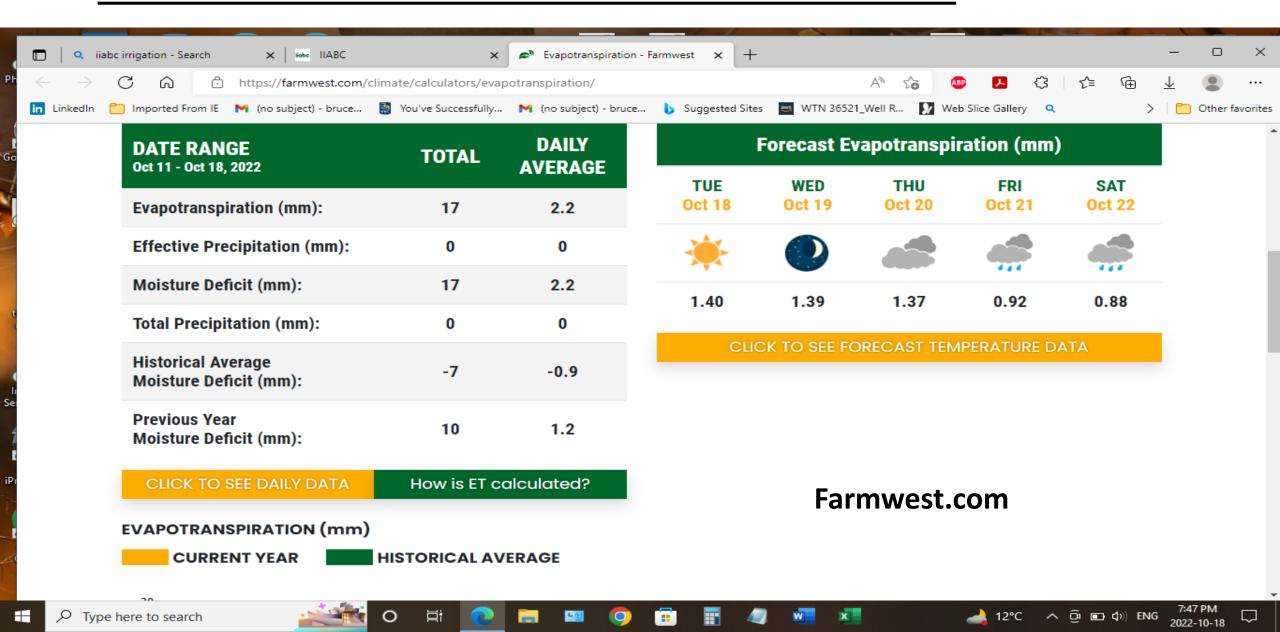


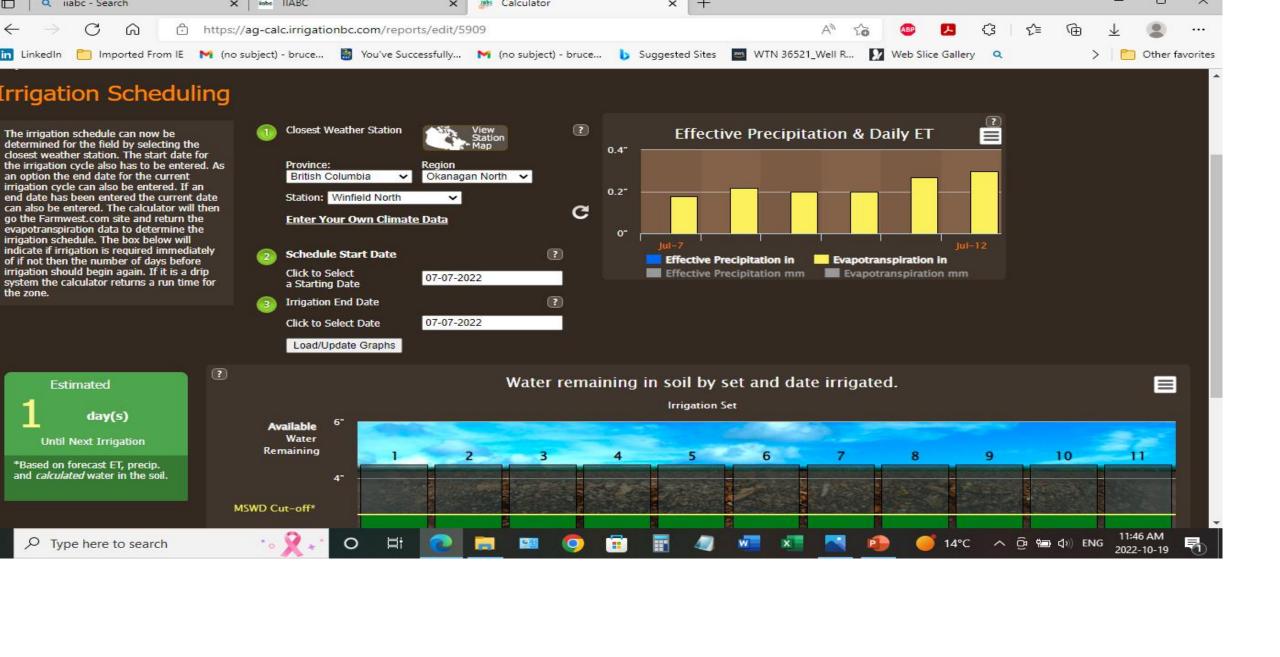
2022-10-19

Irrigation System Design

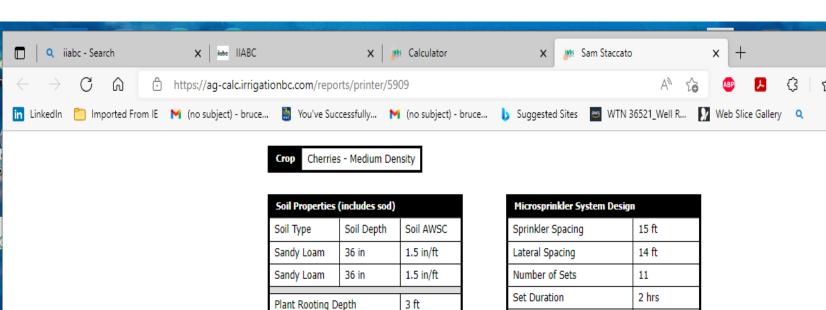


Farmwest Weather Based Calculators





Final Report



0.4

1.8 in

0.45 in/hr

 Monthly Climate Modifier

 May
 0.8

 June
 1

 July
 1.1

 August
 1.1

 September
 0.8

 Off Season
 0.5

Availability Coefficient

Max Soil Water Deficit

Max Application Rate

O Tuna hara ta saarah

Microsprinkler System Design	
Sprinkler Spacing	15 ft
Lateral Spacing	14 ft
Number of Sets	11
Set Duration	2 hrs
Sets per Day	12
Flow Rate	1.21 lpm
Application Efficiency	75 %
Application Rate	0.15 in/hr
Gross Applied	0.29 in
Net Applied	0.22 in

0.049 in | 1.24 mm

20 psi | 0.32 gpm

Selected Sprinkler

Size

Flow Rate

Estimated 1 day(s) Until Next Irrigation
Simulation Results for the selected period of 07-07-2022 to 07-07-2022

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Questions

- Thank you for your time.
- Bruce Naka
- Sound Water Advise
- Irrigation Consulting