

CHAMBERLIN AGRICULTURE

◆ EST. IN 1949 ◆

Wenatchee Washington Randall Chipman, Summer Semester 2018

Chamberlin Agriculture services is a distributor for farmers in Washington State and has been family owned since the beginning in 1949. Their goal is to provide consulting services and products to those who need it. No farm is too small in their eyes and they pride themselves in helping those in the industry grow in a sustainable way. The majority of their business is done central Washington as they specialize in tree fruit.

Scouting

Responsibilities:

Identifying pests and deficiencies in apples, pears, cherries, and grapes.

Insects

- Coddling moth
- Oriental fruit moth
- Oblique banded Leafroller
- Pandemis Leafroller
- Peach twig borer
- Pear Psylla

Can you tell which one is coddling moth and which one is oriental fruit moth?



Oblique banded Leafroller



The area covered.

I would drive around 300 miles. Starting in Wenatchee I could be driving to Quincy, Richland, Yakima, then back to Wenatchee. I scouted nearly seven thousand acres a week as far north as Brewster and as south as Richland



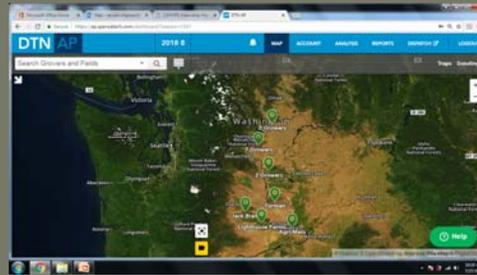
Nitrogen deficiency and toxicity

Deficiencies

- Calcium
- Nitrogen
- Manganese
- Zinc
- etc



Manganese deficiency



Screenshot of new mapping/data logging software I tested along with the area covered.

Calcium Deficiency in cherries



Ants (black dots) farming aphids at the top of a pear shoot.



Disease

- Fireblight→
- Gray Mold
- Rusts
- Bitter rot
- Phytophthora



Gray Mold

Phytophthora



Summary

Working at Chamberlin was a blast. It was hard work and always changing, but I loved every minute of it. My duties grew as I became more proficient at my work and those in charge introduced me to aspects of the industry I didn't know were important. I was very surprised many of the field staff don't see each other very often, but were able to collaborate and perform tasks very effectively remotely. Their collaborations resulted in task specific guidelines to develop. For example, if I was having trouble completing a task or finding a piece of information, instead of asking field staff at random they had organized an online manual for most problems which could be downloaded. It really made me think about how I solve problems for those who ask for my help. Why not create self learning resources that would save me hours with many individuals?

I believe I want to continue my career in this field of work and study because of this experience. While working directly with farmers I was able to pick up on what they thought was important and would benefit them most. This has renewed my desire to learn more about plant sciences and given a more acute direction than any previous class or job ever has. I am eternally grateful for the help of my Internship Mentor Drew Vanderhoff and his excellent field staff.