Calibrating the small Sprayer. Using the buckets to check the amount of water that flows from each nozzle. Planting the young apple trees and staging them on the trailer for transportation to their storage location.

Safety
- Ensuring a solid base for the use of any ladders that are being used.
- Checking to make sure that the motorized equipment was in good working order and all the safety features where installed and up to date.
- Removing any limbs or branches that would endanger the operator of the tractors that travel between and down the rows.
- Removing any and all Fireblight in the orchard.

Responsibilities
- Pruning
  - Overseeing the removal of vegetative branches and stems, while clearing the canopy for light and heat.
  - Ensuring that any diseased plant stem or section is removed to prevent contamination to the rest of the tree.
  - Removing any limbs or branches that would endanger the operator of the tractors that travel between and down the rows.
  - Removing any and all Fireblight in the orchard.

Learning Objectives
- Having a clear and defined understanding of all of tasks that were laid out for the day.
- Asking the necessary questions that came up when the need presented itself.
- Learning and understanding the type of pruning that had to be done on the certain blocks of trees that where present.

Mechanical Knowledge
- Ensured the health of different cultivars of trees by planting them from cold storage.
- Separated recycled plant material from usable soil.
- Developed and implemented a watering schedule for the survival of the new plantings.

Daily Objectives
- Show up on time and ready to work.
- To have fun and learn something new!

Summary of Lessons Learned
- Coming off an internship in the spring I was looking forward to continuing work at the orchard in the summer to see the change of seasons that were necessary for the production and distribution of fruit from the old orchard site until the new site is at an age where it is producing fruit. I took what I learned in the spring and was ready to begin to apply it to the summer months ahead.
- We began the summer fixing the irrigation lines from the damage of the winter and from the animals that are present. Namely the young coyotes that come into the orchard and chew the rubber lines. Learning how to fix these was a different and fun thing to do and something that will always be useful.
- Being on top of spraying by having your sprayer calibrated accordingly and by being more on top of the spray schedule is something I learned early on this summer. With the outbreak of fireblight I realized that the weeks spent cutting fireblight out of the orchard could have been mitigated to just a week or two by a much more aggressive spray schedule. I also learned that it can be much cheaper to pay a larger chemical bill, if it means your labor costs are then lower since labor is the most expensive part of almost any operation.
- Learning how to operate the heavy equipment like the tractor and the mower is a skill that is essential in a farm. I will say though that I genuinely believe that if you want to go into agriculture, it needs to be a requirement for graduation that if you have a license, you get taught how to drive a manual transmission car. Having to answer questions to people about how this works is something that really amazed me.
- Finally I learned that there are certain things that you can argue with someone about, and there are other things that no matter how much you have laid out all the points of, you just have to let that person make a mistake and hope that they learn something from that. This goes for work and life. Hopefully, the small things here mean something big does not happen in the real world.
- Working with others has been a challenge of mine and having people who are so very different from me in an environment that is both making a profit and learning is something that i will not forget.