Introduction
This summer I worked for Pete Jacoby helping him continue his research on direct root irrigation at Kiona Vineyard. He has conducted this research for the last three years and this summer I got to help perfect it and have my own research with it. This summer we ran four different rates in four sections with the lowest being 40% to conserve the most water.

Responsibilities
My job this summer was to strip the field of the old existing pvc pipes and the lines. Then I had to put up our own lines and drill the new pvc pipes down 2 feet on each side of the plants. I also had my own research project with direct root irrigation, the problem has been that the roots would grow into the pvc pipes and clog them. So this year I had the opportunity to solve that by having copper at the end of some of the pvc pipes to see if that would help prevent growth of the roots in the pipes. After all the set up was complete I continued to check the vineyard to make sure everything counted to run smoothly and check the water meters every week after irrigation.

Summary
My experience this summer has greatly improved my knowledge of vineyards with irrigation control and disease/virus management. This has expanded my knowledge of how vineyards work and the hands-on experience has taught that many things don’t run as smoothly as you wish they would, that you must be flexible and ready to go. I am grateful for this experience this summer and can’t wait to bring the information I’ve learned this summer into my class this coming fall, and hopefully one day into my own vineyard as well.