



**Colligere Farm Management
Lodi, California
Brandon Anderson
Summer 2020**



Clusters after fruit set

Introduction:

- Colligere Farm Management is a company that specializes in vineyard and orchard management.
- The company was established in the year 2000 and has strived to be one of the most prominent farm management companies in the area
- Colligere Farm Management is located in the heart of San Joaquin County, but manages different vineyards and orchards in Sacramento County, Yolo County, Napa County, and more.



Vineyard located in Herald, CA

Responsibilities Performed:

- At Colligere Farm Management I had many tasks and responsibilities, my biggest being harvest estimates
- Beginning in early May I went through every block at each site and would count the number of clusters per five vines.
- The total from the counts can be simplified to give an average of clusters per vine.
- With the average number of cluster per vine you can use this equation

$$\frac{(PV \times CV \times CW)}{2000 \text{ lb ton}}$$
 - PV=Producing vines per acre
 - CV=Number of clusters per vine
 - CW=average cluster weight of variety
- This equation will give you the tonnage estimates per acre of any vineyard.
- Throughout the growth cycle I monitored the level of seed hardness, notified officials when lag phase had begun, and when veraison began.
- Once clusters had full color change is when I began base line sugar readings, which would consist of:
 - Aquiring 10 clusters per site
 - Weighing the clusters to get an average cluster weight
 - Using a juicer to aquire juice from clusters
 - Using a refractometer to read sugar levels
- After taking every base line sugar reading from each vineyard I would export the data to an excel spreadsheet to send to my employers



Veraison within the vineyard



Sampling bags(Labeled by site and variety)



Juicer being used to test sugar levels



Refractometer used

Summary:

This internship this summer has helped me greatly and opened my eyes to what my career is like in the agriculture industry. The knowledge I have gained this summer about managing a vineyard, estimating harvest numbers, managing people, and overall effort and commitment will help me grow in my career. The conclusion of this summer internship means that the beginning of net summer I will be hunting for a job in my career and I can not wait to get started!