

# New Canopy Technology at Fresno State

Presented by Robert Willmott

# Robert Wilmott

- From Bakersfield
- Grew up on Cattle Ranch
- Moved to Fresno in 2010
- Graduated B.S. Plant science 2013
  
- Worked in the vineyard for 2 years
  - Irrigation
- Worked in the orchard for 3 Years
  - Paramount scholarship

# Almonds

- Irrigation practices
  - Et calculation
- Soil moisture monitoring
  - Shovel
  - Other brands
    - Hortau
    - Drop control
    - Observant
    - Spec Weather
    - Jain (Pure sense)



# Orchard

- Dyna max- used During last years growing season.
- Real time responses
- Future changes for irrigation timing.



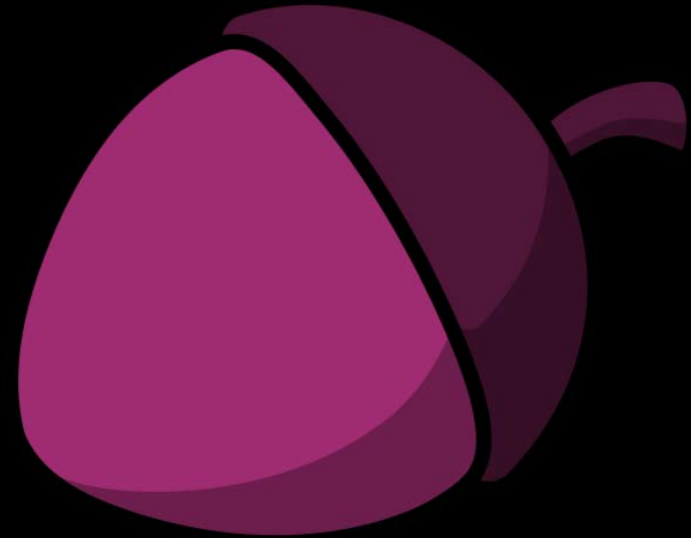
# Placement

- Irrigation in daily gallons.
- Uniformity is a must
- Picking the right location
  - Soil
  - Tree
  - Irrigation



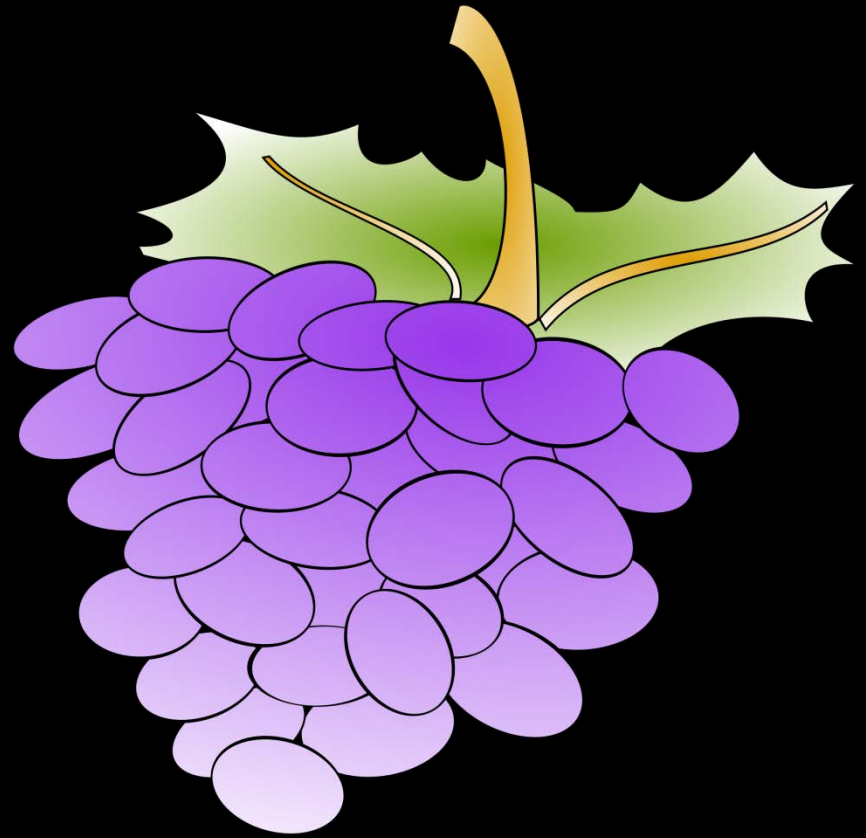
# Orchard

- Almonds- watch when the trees first start waking up.
- Hopefully better control of hull rot.
- Harvest dry down time being reduced.



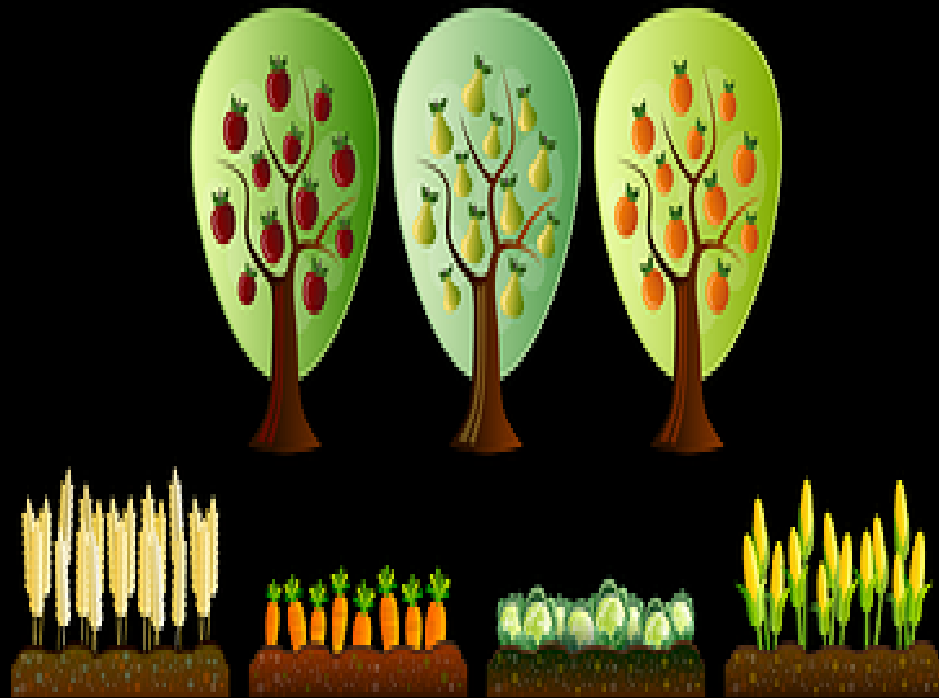
# Other areas

- Wine grape- Deficit irrigation
  - Being able to arrest tendril growth
- Olive- Oil Production
  - Being able to slow down growth towards the end of the season and reduce berry moisture and increase oil and fat content.



# Other areas

- Citrus- help monitor the Kc changes that take place.
- Cherry- sun block spray is supposed to reduce the canopy temperature allowing for less heat stress.





# Questions

