

Fall Wine Grape Fertilization

Utilizing the advantages of our
extended growing season



small winegrowers association
CALIFORNIA




The Benefits of fall fertilization

- Reduce soil compaction
- Rapidly break down crop residue
- Stimulate and support microbiology
- Reduce disease carryover
- Promote the release of soil minerals
- Increase crop yield



How much is enough?

- If a little is good than more is even more gooder? 
- Excessive nutrients create imbalances that are often more detrimental to vine health than deficiencies
- Sap analysis deficiencies more often caused by excess induced imbalances
- Small amounts more often better than large amounts all at once

Advantages of our extended growing season

- Store nutrients in a biological form
 - Available as the plant needs it in the spring growth spurt
 - Will not leach with winter rains

rain noun, often attributive

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Definition of *rain* (Entry 1 of 2)

- a** : water falling in drops condensed from vapor in the atmosphere

b : the descent of this water

c : water that has fallen as rain : [RAINWATER](#)





Nutrient Analysis

- Soil Analysis
- Compost Analysis
- Petiole/Leaf Analysis (petioles preferred)
- Sap Analysis (most accurate only one lab currently performing)
- Supplementation according to tests, & observation best





Reproductive nutrients:

- Reproductive nutrients:

All other nutrients will bring a slight reproductive response but the below 3 drive the strongest reproductive growth.

- Manganese
- Phosphorus
- Ammonium



Vegetative Growth nutrients:

- 4 Vegetative Growth nutrients:
 - Nitrate Nitrogen (not ammonium or urea)
 - Potassium
 - Chloride
 - Calcium





Generic Temecula Formula

- Liquid:
 - 2 gallons seaweed (Acadian or BioFlora) per acre
 - 2 gallons Fish Emulsion per acre
 - 1-2 gallons Humic acid per acre
 - Calcium Nitrate 20 lb dry in solution per acre
 - BioLink Micronutrient 0-0-1, 2%-FE, 2%-MN, 3%-ZN 2 qt per acre



Generic Temecula Formula

- Solid:
 - Quality Compost 2 – 10 tons per acre
 - 6+ tons negate the need for fish & humic acid
 - BioFlora 8-3-6+8% 1 cup per vine under dripper or 300 pounds per acre
 - Cover Crop Multiplex III or Multiplex Max
 - Gypsum 100 lb per acre





Irrigation

- Irrigate to ETo (About 2 – 3 hours per week) during post harvest
- If no rain do not let root zone dry completely

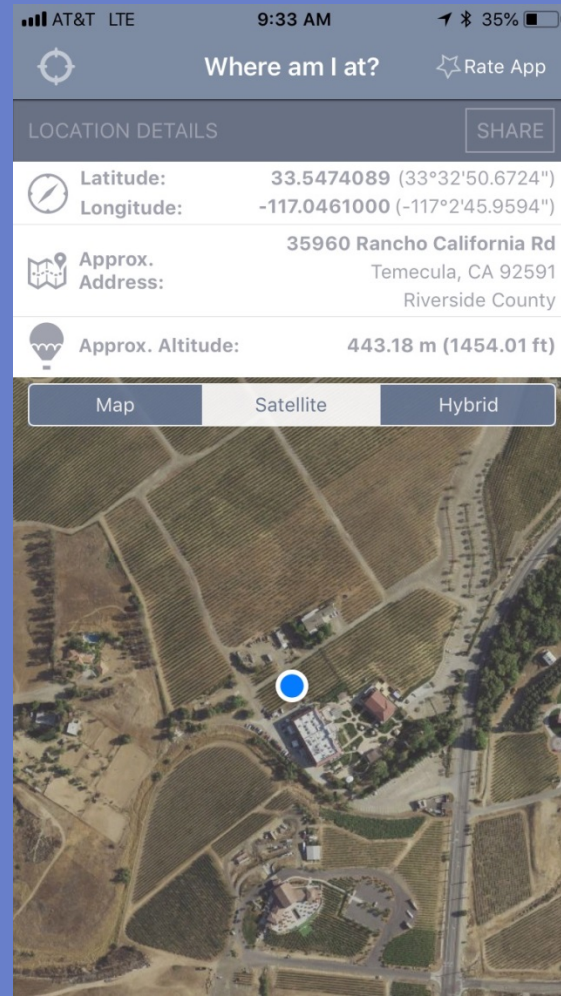
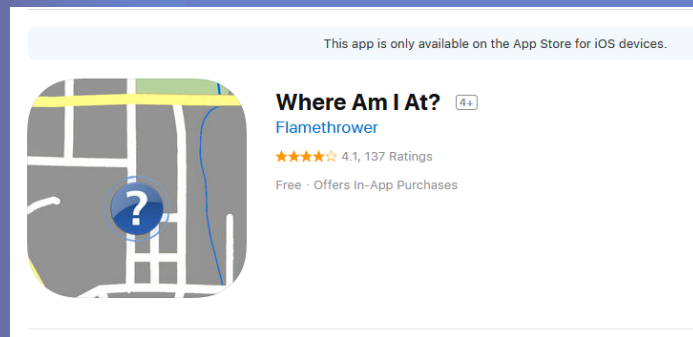


Video

- <https://www.advancingecoag.com/soil-amendment>



latitude and longitude Where Am I ? App



latitude and longitude Google Maps

To find the exact GPS latitude and longitude coordinates of a point on Google maps along with the altitude/elevation above sea level, simply drag the marker in the map below to the point you require.

Alternatively enter the location name in the search bar then drag the resulting marker to the precise position.

