



## STANDARD GRAPE WINE PROGRAM

**NA-CHURS/ALPINE Solutions** Standard Wine program is designed to enhance sugar production while maintaining yield in the 2-5 ton range.

### **3-18-18 Standard Wine Program:**

1. 1-2 gallons of 3-18-18 at pre-bloom and micronutrients added as needed (boron and zinc)
2. 1-2 gallons of 3-18-18 at post bloom with earliest fungicide application
3. 1-2 gallons of 3-18-18 every 14-21 days with any pesticide application
4. 1-2 gallons at first coloring (optional)

**Standard Program:** Up to 30 lbs/acre of nitrogen may be applied with the 6 gallons 3-18-18 program. You should increase your nitrogen programs slowly. For better production, any additional nitrogen must be balanced with the P-K-Ca.

### **INCREASED YIELDS AND QUALITY WITH A WELL-BALANCED FERTILITY PROGRAM**

**A balanced fertility program allows increased production while increasing or maintaining quality.**

- Increasing production requires increasing nitrogen applications while balancing with P-K-Ca.

**Grapes demand extra phosphorus at early fruit set to allow optimum cell division in the berries.**

- Cold soils do not release P & K well
- Soils below 65 degrees F release P & K at a rate much lower than soil tests indicate
- Grapes on cold soils can use additional P & K on high testing P & K soils
- Grapes coming into leaf on cold, wet soils can benefit from foliar applications of P & K providing the foliar fertilizers are highly soluble and low in salt

**Grapes demand extra potassium for fruit development and sugaring**

- Sugar manufactured in the leaf must be transported to the berry. Potassium is critical in this transportation.

**Extra P & K can be rapidly introduced into the grape vines with foliar application of 3-18-18 starting at the bud break and continuing through fruit development.**

- 2-4 pounds of urea may be applied with 3-18-18 applications to help growth



*For more information, please contact: Dan Stiltz, Sales Manager, at (559) 892-6868*