

# WINE GRAPE CROP PROGRAM



## Early Shoot Growth

Maximizes chlorophyll development for optimal photosynthetic capacity

### Foliar Applied

**PhotoGreen® Foliar**  
at 1-2 quarts/acre  
**ChloroDrive® Foliar**  
at 1-2 quarts/acre

### Soil Applied

**Phosron® Soil**  
at 5-10 gallons/acre  
**Transit Soil®**  
at 10 ounces/acre



## Pre-Bloom

Drives plant energy systems and leaf size to achieve ideal canopy ratio

### Foliar Applied

**Phosron® Foliar**  
at 1-3 quarts/acre\*  
**Zicron® Foliar**  
at 1-2 quarts/acre

### Soil Applied

**Zicron® Soil**  
or **ZiCAN™ Soil**  
at 2-3 quarts/acre  
**FBS Humate Plus™**  
at 1 pint/acre



## Bloom

Results in successful pollination and fruit set, as well as full rachis expansion

### Foliar Applied

**CellMate® Foliar**  
at 1-2 quarts/acre  
**Transit Foliar®**  
at 8 ounces/acre



## Berry Sizing

Supports rapid cell division and heat stress moderation, with continued chlorophyll production

### Foliar Applied

**BounceBack® Foliar**  
at 1-2 quarts/acre  
**ChloroDrive Foliar**  
at 1-2 quarts/acre

### Soil Applied

**Zicron Soil**  
at 1-2 quarts/acre  
**FBS Humate Plus**  
at 1 pint/acre  
**Transit Soil**  
at 10 ounces/acre



## Bunch Closure

Maintains cell wall strength for fungal pathogen resistance, as well as preparing for sugar accumulation in the berries

### Foliar Applied

**BounceBack Foliar**  
at 1-2 quarts/acre  
**K-Surge™**  
at 1-3 quarts/acre



## Veraison Post Veraison

Supports color and brix development and heat stress moderation

### Foliar Applied

**BounceBack Foliar**  
at 1-3 quarts/acre  
**K-Surge™**  
at 1-3 quarts/acre

### Soil Applied

**FBS Humate Plus**  
at 1 pint/acre



## Post Harvest

Restoration of depleted nutrients to withstand cold winter temperatures and achieve vigorous budbreak in the spring

### Soil Applied

**Phosron Soil**  
at 5-10 gallons/acre  
**Zicron Soil**  
at 1-2 quarts/acre  
**Transit Soil**  
at 10 ounces/acre

\*Always add **FBS Harmony™** at 1 pint for every 2 pints of **Phosron Foliar** to improve compatibility and uptake.

This program can be adapted to individual field or farm conditions based upon soil and tissue tests. Rates can vary and additional FBS products can be substituted to address specific nutrient deficiencies or stress situations.



Other nutrients as required.  
See back page for more details.

# PRODUCT SOLUTION BY GROWING CONDITION

Condition	Solution
<b>Nitrogen (N) Low</b>	SloN Plus
<b>Nitrogen (N) High</b>	Copron Soil, Copron Foliar, MicroBlend Foliar Zn-Mn-Cu, DriveKP
<b>Phosphorus (P) Low</b>	Phosron Soil, Phosron Foliar, DriveKP
<b>Phosphorus (P) High</b>	PhotoGreen Soil, PhotoGreen Foliar, Zicron Soil, Zicron Foliar, Manron Soil, Manron Foliar, Copron Soil, Copron Foliar, MicroBlend Foliar Zn-Mn-Cu
<b>Potassium (K<sub>2</sub>O) Low</b>	K-Surge, DriveKP
<b>Potassium (K<sub>2</sub>O) High</b>	GreenSurge Foliar, Calron Soil, CellMate Foliar Plus Mo, BounceBack Foliar
<b>Calcium (Ca) Low</b>	Calron Soil, CellMate Foliar Plus Mo, BounceBack Foliar
<b>Calcium (Ca) High</b>	GreenSurge Foliar, GreenSurge Soil, ChloroDrive Foliar
<b>Magnesium (Mg) Low</b>	GreenSurge Foliar, GreenSurge Soil, ChloroDrive Foliar
<b>Magnesium (Mg) High</b>	Calron Soil, CellMate Foliar Plus Mo, BounceBack Foliar
<b>Sulfate (SO<sub>4</sub>) High</b>	Calron Soil, CellMate Foliar Plus Mo, BounceBack Foliar
<b>Sodium (Na) High</b>	K-Surge, Transit Soil, FBS Humate Plus, Calron Soil
<b>Boron (B) Low</b>	BoronBoost Soil, Boron Boost Foliar, CellMate Foliar Plus Mo
<b>Boron (B) High</b>	Calron Soil, BounceBack Foliar
<b>Copper (Cu) Low</b>	Copron Soil, Copron Soil, MicroBlend Foliar Zn-Mn-Cu
<b>Copper (Cu) High</b>	Zicron Soil, Zicron Foliar, ZiCAN Soil, PhotoGreen Soil, PhotoGreen Foliar
<b>Iron (Fe) Low</b>	PhotoGreen Soil, PhotoGreen Foliar, FlexForce Foliar, FlexForce Soil
<b>Iron (Fe) High</b>	Zicron Soil, Zicron Foliar, ZiCAN Soil
<b>Manganese (Mn) Low</b>	Manron Soil, Manron Foliar, FlexForce Foliar, FlexForce Soil
<b>Manganese (Mn) High</b>	Zicron Soil, Zicron Foliar, ZiCAN Soil, PhotoGreen Soil, PhotoGreen Foliar
<b>Zinc (Zn) Low</b>	Zicron Soil, Zicron Foliar, ZiCAN Soil, FlexForce Foliar, FlexForce Soil
<b>Zinc (Zn) High</b>	PhotoGreen Soil, PhotoGreen Foliar, Manron Soil, Manron Foliar
<b>Micronutrients Low</b>	MicroBlend Foliar Zn-Mn-Cu, MicroBlend Foliar Zn-Mn-B, ChloroDrive Foliar, FlexForce Foliar, FlexForce Soil, ChloroDrive Foliar, BenePhite Expand
<b>Chloride (Cl) High</b>	Transit Soil, Transit Foliar, FBS Humate Plus
<b>Silicon (Si) High</b>	Calron Soil, CellMate Foliar Plus Mo, BounceBack Foliar
<b>Acidifier (Tank Buffer)</b>	FBS Harmony
<b>Compatilby Aid (Tank Mixing)</b>	FBS Harmony, FBS Marshal

Condition	Solution
<b>Bicarbonates HCO<sub>3</sub> High</b>	Transit Soil, Transit Foliar, FBS Humate Plus, PhotoGreen Foliar, FlexForce Foliar, FlexForce Soil
<b>"Hydrogen (H) Percent Base Saturation High"</b>	FBS Humate Plus, Transit Soil, Calron Soil
<b>CEC Low</b>	FBS Humate Plus, Transit Soil
<b>Organic Matter Low</b>	FBS Humate Plus, Transit Soil
<b>Organic Matter High</b>	FBS Humate Plus, Transit Soil
<b>Light Sandy Soils</b>	FBS Humate Plus, Transit Soil
<b>Heavy Clay Soils</b>	FBS Humate Plus, Transit Soil
<b>Soil Conditioning</b>	FBS Humate Plus
<b>Alternate Bearing</b>	Transit Soil, Transit Foliar, FBS Humate Plus, DriveKP, K-Surge, SloN Plus, Ocean Swell
<b>Bud/Blossom Set</b>	CellMate Foliar Plus Mo, MicroBlend Foliar Zn-Mn-B, BoronBoost Foliar, MicroBlend Foliar Zn-Mn-Cu, FlexForce Foliar, FlexForce Soil
<b>Bulking</b>	K-Surge, Calron Soil, BounceBack Foliar, CellMate Foliar Plus Mo, DriveKP
<b>Chlorosis</b>	PhotoGreen Foliar, PhotoGreen Soil, Zicron Foliar, Zicron Soil, Manron Foliar, Manron Soil, MicroBlend Foliar Zn-Mn-Cu, MicroBlend Foliar Zn-Mn-B, ChloroDrive Foliar, GreenSurge Foliar, FlexForce Foliar, FlexForce Soil
<b>Cold Stress</b>	Phosron Soil, Phosron Foliar, FBS Humate Plus, Transit Soil, Transit Foliar, DriveKP, Ocean Swell
<b>Crop Damage</b>	Phosron Foliar, Phosron Soil, FBS Humate Plus, Transit Foliar, Transit Soil, K-Surge
<b>Drought Stress</b>	K-Surge, Transit Soil, Transit Foliar, FBS Humate Plus
<b>Fungal Disease</b>	Carbon Defense, DriveKP, K-Surge, BenePhite Expand
<b>Germination Enhancement</b>	Transit Soil, Humate Plus, Ocean Swell, SuperSede Line, Soil Energy Line
<b>Heat Stress</b>	BounceBack Foliar, K-Surge, Transit Foliar, Ocean Swell
<b>Lignin Synthesis</b>	Copron Soil, Copron Foliar, MicroBlend Foliar Zn-Mn-Cu
<b>Moisture Stress</b>	FBS Humate Plus, K-Surge, Transit Foliar, Ocean Swell
<b>Nutrient Use Efficiency (NUE)</b>	Transit Soil, Transit Foliar, FBS Organics Transit Soil, FBS Humate Plus, Ocean Swell, Soil Energy Line
<b>Pesticide Residue/Damage</b>	FBS Humate Plus, Transit Soil
<b>Plant Health/Strength</b>	Transit Soil, Transit Foliar, FBS Humate Plus, DriveKP, K-Surge, SloN Plus, Ocean Swell, Soil Energy Line
<b>Rooting Enhancement</b>	Transit Soil, Phosron Soil, Phosron Foliar, K-Surge, FBS Humate Plus, Ocean Swell, DriveKP
<b>Salt Stress</b>	Transit Soil, Transit Foliar, FBS Humate Plus, Ocean Swell

Verify these conditions with soil and tissue testing accompanied by field inspections.