

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
Nitrogen (N) Low	SloN Plus
Nitrogen (N) High	Copron Soil, Copron Foliar, MicroBlend Foliar Zn-Mn-Cu
Phosphorus (P) Low	Phosron Soil, Phosron Foliar
Phosphorus (P) High	PhotoGreen Soil, PhotoGreen Foliar, Zicron Soil, Zicron Foliar, Manron Soil, Manron Foliar, Copron Soil, Copron Foliar, MicroBlend Foliar Zn-Mn-Cu
Potassium (K₂O) Low	K-Surge
Potassium (K₂O) High	GreenSurge Foliar, Calron Soil, Cellmate Foliar, BounceBack Foliar
Calcium (Ca) Low	Calron Soil, CellMate Foliar, BounceBack Foliar
Calcium (Ca) High	GreenSurge Foliar, ChloroDrive Foliar
Magnesium (Mg) Low	GreenSurge Foliar, ChloroDrive Foliar
Magnesium (Mg) High	Calron Soil, CellMate Foliar, BounceBack Foliar
Sulfate (SO₄) High	Calron Soil, CellMate Foliar, BounceBack Foliar
Sodium (Na) High	K-Surge, Transit Soil, FBS Humate Plus, Calron Soil
Boron (B) Low	BoronBoost Soil, Boron Boost Foliar, CellMate Foliar
Boron (B) High	Calron Soil, BounceBack Foliar
Copper (Cu) Low	Copron Soil, Copron Soil, MicroBlend Foliar Zn-Mn-Cu
Copper (Cu) High	Zicron Soil, Zicron Foliar, ZiCAN Soil, PhotoGreen Soil, PhotoGreen Foliar
Iron (Fe) Low	PhotoGreen Soil, PhotoGreen Foliar
Iron (Fe) High	Zicron Soil, Zicron Foliar, ZiCAN Soil
Manganese (Mn) Low	Manron Soil, Manron Foliar
Manganese (Mn) High	Zicron Soil, Zicron Foliar, ZiCAN Soil, PhotoGreen Soil, PhotoGreen Foliar
Zinc (Zn) Low	Zicron Soil, Zicron Foliar, ZiCAN Soil
Zinc (Zn) High	PhotoGreen Soil, PhotoGreen Foliar, Manron Soil, Manron Foliar
Micronutrients Low	MicroBlend Foliar Zn-Mn-Cu, MicroBlend Foliar Zn-Mn-B, ChloroDrive Foliar
Chloride (Cl) High	Transit Soil, Transit Foliar, FBS Humate Plus
Silicon (Si) High	Calron Soil, CellMate Foliar, BounceBack Foliar
Acidifier (Tank Buffer)	FBS Harmony
Compatibilty Aid (Tank Mixing)	FBS Harmony, FBS Marshal

Condition	Solution
Bicarbonates HCO₃ High	Transit Soil, Transit Foliar, FBS Humate Plus, PhotoGreen Foliar
"Hydrogen (H) Percent Base Saturation High"	FBS Humate Plus, Transit Soil, Calron Soil
CEC Low	FBS Humate Plus, Transit Soil
Organic Matter Low	FBS Humate Plus, Transit Soil
Organic Matter High	FBS Humate Plus, Transit Soil
Light Sandy Soils	FBS Humate Plus, Transit Soil
Heavy Clay Soils	FBS Humate Plus, Transit Soil
Soil Conditioning	FBS Humate Plus
Alternate Bearing	Transit Soil, Transit Foliar, FBS Humate Plus
Bud/Blossom Set	CellMate Foliar, MicroBlend Foliar Zn-Mn-B, BoronBoost Foliar, MicroBlend Foliar Zn-Mn-Cu
Bulking	K-Surge, Calron Soil, BounceBack Foliar, Cellmate Foliar
Chlorosis	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
Cold Stress	Phosron Soil, Phosron Foliar, FBS Humate Plus, Transit Soil, Transit Foliar
Crop Damage	Phosron Foliar, Phosron Soil, FBS Humate Plus, Transit Foliar, Transit Soil, K-Surge
Drought Stress	K-Surge, Transit Soil, Transit Foliar, FBS Humate Plus
Fungal Disease	Carbon Defense
Heat Stress	BounceBack Foliar, K-Surge, Transit Foliar
Lignin Synthesis	Copron Soil, Copron Foliar, MicroBlend Foliar Zn-Mn-Cu
Moisture Stress	FBS Humate Plus, K-Surge, Transit Foliar
Nutrient Use Efficiency (NUE)	Transit Soil, Transit Foliar, FBS Organics Transit Soil, FBS Humate Plus
Pesticide Residue/Damage	FBS Humate Plus, Transit Soil
Plant Health/Strength	Transit Soil, Transit Foliar, FBS Humate Plus
Rooting Enhancement	Transit Soil, Phosron Soil, Phosron Foliar, K-Surge, FBS Humate Plus
Salt Stress	Transit Soil, Transit Foliar, FBS Humate Plus

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