

WINE GRAPE CROP PROGRAM



Early Shoot Growth

Maximizes chlorophyll development for optimal photosynthetic capacity

Citros® Foliar
at 1-2 quarts/acre

PhotoGreen® Foliar
at 1-2 quarts/acre

Apply in the irrigation

Transit Soil®
at 10 ounces/acre

Phosron® Soil
at 5-10 gallons/acre**



Pre-Bloom

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

Phosron® Foliar
at 1-3 quarts/acre*

Zicron® Foliar
at 1-2 quarts/acre

Apply in the irrigation

Zicron® Soil
at 2 quarts/acre

or
ZiCAN® Soil
at 2 quarts/acre

FBS Humate Plus™
at 1 pint/acre



Bloom

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

Transit Foliar®
at 8 ounces/acre

CellMate® Foliar
at 1-2 quarts/acre



Berry Sizing

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

BounceBack® Foliar
at 1-2 quarts/acre

Citros Foliar
at 1-2 quarts/acre

Apply in the irrigation

Transit Soil
at 10 ounces/acre

Zicron Soil
at 1-2 quarts/acre

FBS Humate Plus
at 1 pint/acre



Bunch Closure

Maintains cell wall strength for fungal pathogen resistance, as well as grape quality

Transit Foliar
at 8 ounces/acre

BounceBack Foliar
at 1-2 quarts/acre



Veraison Post Veraison

Supports color and brix development and heat stress moderation

BounceBack Foliar
at 1-3 quarts/acre

Zicron Foliar
at 1-2 quarts/acre

Apply in the irrigation

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

Apply in the irrigation

Transit Soil
at 10 ounces/acre

Phosron Soil
at 5-10 gallons/acre**

Zicron Soil
at 1-2 quarts/acre

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

Contact your **FBSciences rep for compatibility and mixing instructions.

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) 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) High	GreenSurge Foliar, Calron Soil, Cellmate Foliar, BounceBack Foliar
Calcium (Ca) Low	Calron Soil, CellMate Foliar, BounceBack Foliar
Calcium (Ca) High	GreenSurge Foliar
Magnesium (Mg) Low	GreenSurge Foliar
Magnesium (Mg) High	Calron Soil, CellMate Foliar, BounceBack Foliar
Sulfate (SO4) High	Calron Soil, CellMate Foliar, BounceBack Foliar
Sodium (Na) High	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
Copper (Cu) High	Phosron Soil, Phosron 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	Phosron Soil, Phosron Foliar
Zinc (Zn) Low	Zicron Soil, Zicron Foliar, ZiCAN Soil
Zinc (Zn) High	PhotoGreen Soil, PhotoGreen Foliar, Manron Soil, Manron Foliar, Phosron Soil, Phosron Soil
Micronutrients Low	MicroBlend Foliar Zn-Mn-Cu, MicroBlend Foliar Zn-Mn-B, Citros Foliar
Silicon (Si) High	Calron Soil, CellMate Foliar, BounceBack Foliar
Chloride (Cl) High	Transit Soil, Transit Foliar, FBS Humate Plus
Acidifier (Tank Buffer)	FBS Harmony
Compatibility Aid (Tank Mixing)	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	MicroBlend Foliar Zn-Mn-Cu, MicroBlend Foliar Zn-Mn-B, BoronBoost Foliar, CellMate Foliar
Bulking	Calron Soil, BounceBack Foliar, Cellmate Foliar
Chlorosis	GreenSurge Foliar, Manron Foliar, PhotoGreen Foliar, Zicron Foliar, MicroBlend Foliar Zn-Mn-Cu, MicroBlend Foliar Zn-Mn-B
Cold Stress	Phosron Soil, Phosron Foliar, FBS Humate Plus, Transit Soil, Transit Foliar
Crop Damage	Phosron Soil, Phosron Foliar, FBS Humate Plus, Transit Soil, Transit Foliar
Drought Stress	Transit Soil, Transit Foliar, FBS Humate Plus
Fungal Disease	Carbon Defense
Heat Stress	BounceBack Foliar, Transit Foliar
Lignin Synthesis	Copron Soil, Copron Foliar, MicroBlend Foliar Zn-Mn-Cu
Moisture Stress	FBS Humate Plus, 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, FBS Humate Plus
Salt Stress	Transit Soil, Transit Foliar, FBS Humate Plus

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