

# HOPS CROP PROGRAM



## At Planting

Supports rooting and early plant establishment and vigor

### Soil Applied

**Transit Soil®**  
at 8-10 ounces/acre

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

**Zicron® Soil**  
at 1-2 quarts/acre

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



## Early Season

Supports faster start in the spring, stronger root system, and larger leaves

### Foliar Applied

**Transit Foliar®**  
at 6-8 ounces/acre

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

**Zicron® Foliar**  
at 1-2 quarts/acre

**BoronBoost® Foliar**  
at 1 quart/acre

OR

### Soil Applied

**Transit Soil** at 8-10 ounces/acre

**Zicron Soil or ZiCAN™ Soil**  
at 1-2 quarts/acre

**BoronBoost® Soil**  
at 1-2 quarts/acre



## Mid Season

Maximizes chlorophyll development in leaves for optimal photosynthetic capacity

### Foliar Applied

**Transit Foliar**  
at 6-8 ounces/acre

**Zicron Foliar**  
at 1-2 quarts/acre

**K-Surge™**  
at 2-3 quarts/acre

OR

### Soil Applied

**Transit Soil** at 8-10 ounces/acre

**Zicron Soil**  
at 1-2 quarts/acre

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



## Late Season / Preharvest

Improves enzyme functions, protein synthesis, and continual increased chlorophyll density. Also to strengthen plant against potential heat stress

### Foliar Applied

**Transit Foliar**  
at 6 ounces/acre

**MicroBlend Foliar™ Zn-Mn-B**  
at 1 quart/acre

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

**K-Surge™**  
at 2-3 quarts/acre



## Post Harvest

Supports plant health, and increase carbohydrates as the hops plant goes into dormancy. To insure health and vigor of the hops when they break dormancy in the spring

### Soil Applied

**Transit Soil**  
at 8-10 ounces/acre

**Phosron Soil**  
at 5-10 gallons/acre

**Zicron Soil**  
at 1-2 quarts/acre

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

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

\*\*FBS Humate Plus must be pre-diluted before mixing. Suggested ratio is 4 parts water to 1 part FBS Humate Plus.

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 Efficency (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.