FARMERS FIRST™

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CROP NUTRITION

PRODUCT GUIDE

Available from FARMERS BUSINESS NETWORK®

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Crop nutrition:
Tap the full power of nature.

By harnessing naturally-occurring biological processes, crop nutrition products boost the vitality of your crops. The **Farmers First™** portfolio of quality crop nutrition can help support soil health, nutrient use and availability, plant health and stress mitigation – all at a great value.

Broad Selection
A wide range of solutions across five categories: soil prebiotics, soil probiotics, carbon sources, photosynthetic enhancers and high uptake nutrients.

Reliable Quality
Extensively vetted products made from high-grade ingredients.

Excellent Value
Available from Farmers Business Network® with seasonal promotions, 0% financing and free direct-to-farm delivery.*

*0% financing subject to credit approval; terms and conditions apply.
Free delivery available on qualifying orders.

Understanding Crop Nutrition

With many types of crop nutrition available, making sense of all the options can be a challenge. To make selecting crop nutrition easier, we've grouped all products in the Farmers First™ crop nutrition portfolio into five core categories: soil prebiotics, soil probiotics, carbon sources, photosynthetic enhancers and high uptake nutrients.

Category	Function	Benefits
Soil Prebiotic	Increase nutrient availability & promote soil health	• Stimulates microbial activity in soil to provide an energy source that puts soil's natural biology to work. • Enhances soil health and productivity, as well as efficiency of synthetic fertilizers.
Soil Probiotic	Fix atmospheric nitrogen & solubilize soil nutrients	• Depends on Microbe. Typically target specific benefits and functions such as Nitrogen Fixation, Root Growth, or Nutrient Solubilization
Photosynthetic Enhancer	Mitigate stress & support plant vigor	• Aids crop's ability to convert light energy into chemical or plant energy. • Supports plant health and feeds soil biology by delivering increased nutrition through root exudates.
Carbon Source	Improve soil quality & nutrient uptake	• Unique Humate based micronized carbon that provides provides various benefits to soil, including nutrient storage, transport, and availability.
High Uptake Nutrients	Balance plant diet & nutrient deficiencies	• Supplements nutrients available in soil. • Can be delivered in a very efficient, plant-available form to crops. • Both Soil and Foliar Delivery

The Farmers First™ Crop Nutrition Portfolio

Farmers First™ proudly offers a wide range of quality crop nutrition products that help you unlock the power of nature on your farm.

Product	Description	Contents	Category
Catalyst ADV™	Provides a diverse energy source to activates the native soil microbiome to increase soil and fertilizer efficiency.	Diverse Energy Sourre of over 300 biomolecules and metabolites	Soil Prebiotic
Inject-N™ ADV	Nitrogen fixing bacteria to enhance root nodulation, early vigor, phytohormone production, and nitrogen uptake.	Azospirillum	Soil Probiotic
Inject-Myco ADV™	Supports enhanced root absorption, availability and uptake of key nutrients and increased tolerance to environmental stressors such as drought	Mycorrhyzal Fungi	Soil Probiotic
Inject PK™	Improved Phosphate and Potassium uptake and enhanced nutrient capacity to fuel early root and shoot growth and volume	Trichoderma	Soil Probiotic
Atarrus™	Mitigates the negative impact of environmental and pesticide stress on crops and with the assimilation of Nitrogen into the plant	Vegetal Protein Hydrolysate (Peptide)	Photosynthetic Enhancer
Inhabit Boost™	Low rate, high efficiency carbon source that improves nutrient transport qualities in soils and efficiencies of fertilizers	Micronized Carbon Derived from Unique Source of Leonardite	Carbon Source
Inhabit Build™	Provides stable carbon in the form of humates for the purposes of improving soil quality and nutrient transport. It is highly compatible and soluble in a pH range of 2.0 to 12.0, including most high phosphate fertilizers.	12% Humic Acid	Carbon Source
Inhabit Build™ Granular	Provides stable carbon in the form of humates for the purposes of improving soil quality and nutrient transport	1-3 MM Humate	Carbon Source
Inhabit Fe™	Soil applied Nutrients complexed with micronized, oxygen rich carbon derived from a unique source of leonardite that enables high nutrient uptake, enables a low use rate, has low salt content, and is beneficial to soil health and function.	Soil Applied Iron Complexed with Micronized Carbon	High Uptake Nutrient
Inhabit Zn™		Soil Applied Zinc Complexed with Micronized Carbon	High Uptake Nutrient
Inhabit B™		Soil Applied Boron Complexed with Micronized Carbon	High Uptake Nutrient
Inhabit Start™		Starter Blend Complexed with Micronized Carbon	High Uptake Nutrient
Inhabit N™	Inhabit N is highly available source of nitrogen source for either soil or foliar use. Inhabit N is complexed with micronized, oxygen rich carbon derived from a unique source of leonardite that keeps the nitrogen highly uptake, for quick crop response, has low salt content, enables reduces rates, with reduced risk of leaching and volatization when soil applied.	Liquid Nitrogen Complexed with Micronized Carbon	High Uptake Nutrient
Inhabit P™	Inhabit P is highly available source of phosphorus source for either soil or foliar use. Inhabit P is complexed with micronized, oxygen rich carbon derived from a unique source of leonardite that keeps the phosphate highly soluble and resitant to tie up in conditions with clay, metal ions, calcium, high pH, waterlogging, cold soil, and other difficult conditions. The high availabiity enables a low use rate with low salt content that is beneficial to soil health and function. Phosphorus aids the production of amino acids, proteins, and carbohydrates necessary for cellular division.	Liquid Phos Complexed with Micronized Carbon	High Uptake Nutrient

Rate	Package Size(s)	Soil Applied	Foliar Applied
General Soil Application - 1 to 2 pts.	2x2.5 Gal Case, 1x265 Gal Tote		
3 oz/acre OR 3 oz/100 lb (seed treatment)	1x2.5 Gallon		
2 oz/acre OR 1.5 oz/100 lb (seed treatment)	1x2.5 Gallon		
See Label	3.2 kg Pail		
Single 16 fl oz/A tank-mixed either at first foliar herbicide or fungicide timing Two 8 fl oz/A tank mixed both at first foliar herbicide and fungicide timing	2x2.5 Gal Case, 1x150 Gal Tote, 1x265 Gal Tote		
General Soil Application - 1 to 2 pts. Liquid Fertilizer - 1 to 2 pts. per 40 gal	2x2.5 Gal Case, 1x265 Gal Tote		
1 - 10 qts./acre	1x265 Gal Tote		
Up to 75 - 300 lb/A	1x2000 lb. Tote		
In Furrow / Banded / Sidedress - 1 to 2 qt. Soil Broadcast 2 to 4 qt	2x2.5 Gal Case, 1x265 Gal Tote		
In Furrow / Banded / Sidedress - 1 to 2 qt. Soil Broadcast 2 to 4 qt	2x2.5 Gal Case, 1x265 Gal Tote		
In Furrow/Banded /Sidedress 1/2 to 1 pt Soil Broadcast 1 to 2 pt	2x2.5 Gal Case, 1x265 Gal Tote		
In Furrow / Banded / Sidedress - 1 to 2 qt. Soil Broadcast 2 to 4 qt	2x2.5 Gal Case, 1x265 Gal Tote		
Foliar Broadcast 2 qt to 2 gal. In Furrow/Banded/Sidedress 1 to 10 gal. Soil Broadcast 1 to 20 gal.	2x2.5 Gal Case, 1x265 Gal Tote		
1-8 qts./acre (See Label)	2x2.5 Gal Case, 1x265 Gal Tote		

Product	Description	Contents	Category
Nourish Vitals™	Nurtients complexed with plant-based peptides that contain the 18 amino acids essential for plant health and stress response. The peptides also function as an efficient carrier to allow for rapid uptake and rapid translocation throughout the plant with reduced risk of phytotoxicity.	NPK + Micros Complexed with Peptides (Amino Acids)	High Uptake Nutrient
Nourish Fe™		Foliar Iron Complexed with Peptides (Amino Acids)	High Uptake Nutrient
Nourish Zn™		Foliar Zinc Complexed with Peptides (Amino Acids)	High Uptake Nutrient
Nourish B™		Foliar Boron Complexed with Peptides (Amino Acids)	High Uptake Nutrient
Nourish Mn™		Foliar Manganese Complexed with Peptides (Amino Acids)	High Uptake Nutrient
Nourish Ca™		Foliar Calcium Complexed with Peptides (Amino Acids)	High Uptake Nutrient
Nourish ZnMn™		Foliar Zinc/Manganese Complexed with Peptides (Amino Acids)	High Uptake Nutrient

Rate	Package Size(s)	Soil Applied	Foliar Applied
Row Crop 20 - 36 fl oz/A	2x2.5 Gal Case, 1x150 Gal Tote, 1x265 Gal Tote		
Row Crop 20 - 36 fl oz/A	2x2.5 Gal Case, 1x150 Gal Tote, 1x265 Gal Tote		
Row Crop 8 - 32 fl oz/A	2x2.5 Gal Case, 1x150 Gal Tote, 1x265 Gal Tote		
Row Crop 16 - 32 fl oz/A	2x2.5 Gal Case, 1x150 Gal Tote, 1x265 Gal Tote		
Row Crop 8 - 10 fl oz/A	2x2.5 Gal Case, 1x150 Gal Tote, 1x265 Gal Tote		
Row Crop 16 - 32 fl oz/A	2x2.5 Gal Case, 1x150 Gal Tote, 1x265 Gal Tote		
Row Crop 8 - 10 fl oz/A	2x2.5 Gal Case, 1x150 Gal Tote, 1x265 Gal Tote		

Notes

FARMERS FIRST™

SHOP FARMERS FIRST™ CROP NUTRITION

Available from

FARMERS BUSINESS NETWORK™

fbn.com/direct/crop-nutrition

844-200-FARM

Always read and follow label instructions before using.

FBN Direct crop nutrition products and other products available through FBN Direct are offered by FBN Inputs, LLC and are available only in states or provinces where FBN Inputs, LLC is licensed and where those products are registered, if applicable. Consult an agronomist before any use not addressed on the product label. Individual results from use of crop nutrition products may vary and are dependent upon additional factors, including but not limited to weather, agronomic conditions and practices, crop selection, soil type and condition, time, method and manner of application, application rate, and geography. Terms and conditions apply.

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