



Benefits Are Better Stacked

Three strains come together in this sprayable soil amendment to improve nutrient conditions, stimulate photosynthetic activity, and increase yield.

PRODUCT BENEFITS:

Fertaker is a liquid soil amendment composed of *Bacillus subtilis*, *Bacillus velezensis* and *Bacillus pumilus* bacteria, recommended for use on agricultural crops.



Improve soil nutrient conditions and the soil microbiome.

Fertaker is intended to:

TECHNICAL INFORMATION:

PRODUCT NAME:

Fertaker

PRODUCT AND FORMULATION TYPE:

Liquid Soil Amendment

APPLICATION METHODS & DOSE RATES:

Broadcast spray

CONCENTRATION/GUARANTEES:

0.5% *Bacillus subtilis* strain
CCTB04 1.0×10^8 CFU/mL

0.5% *Bacillus velezensis* strain
CCTB09 1.0×10^8 CFU/mL

0.5% *Bacillus pumilus* strain
CCTB05 1.0×10^8 CFU/mL

98.5% Total Other (Inert) Ingredients

CROPS:

Priority: Soybeans, Corn, Sorghum, Wheat, Cotton, Rice, Peanut

Others: Sugarcane, Alfalfa, Beans, Barley, Oats, Canola, Rice, Potato, Tomato

AVAILABLE PACKAGING:

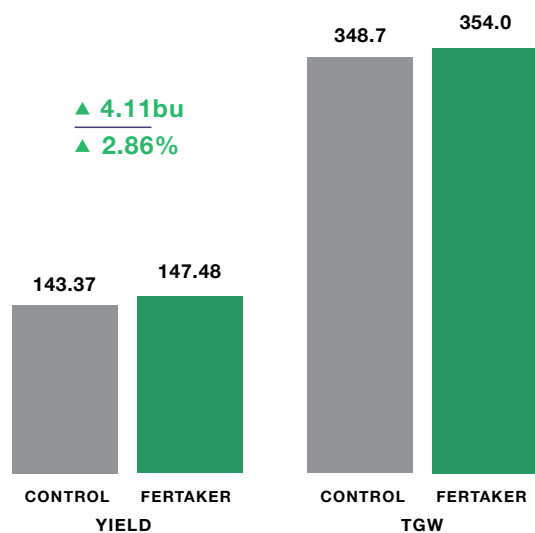
1-gallon (treats between 16 to 21 acres)
2.5-gallon (treats between 40 and 53 acres)

SHELF LIFE:

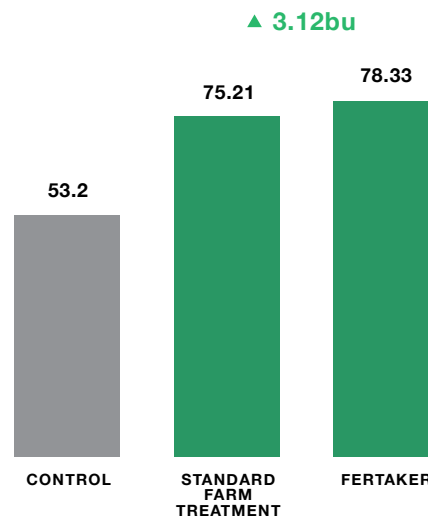
24 months at room temperature
(recommended between 59° F and 77° F)

RESULTS AND ROI:

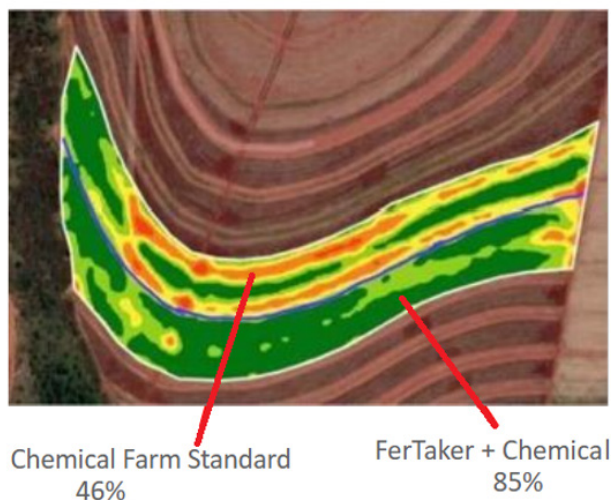
Standard Farm Treatment x Fertaker - Corn, 2023



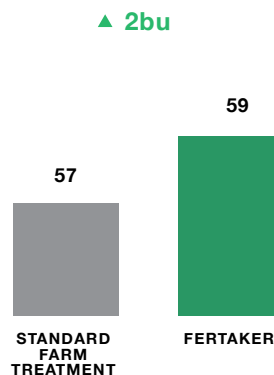
Control x Standard Farm Treatment x Fertaker - Soybeans, 2023



Control x Standard Farm Treatment x Fert- Aerial NDVI Image showing photosynthetic activity in Soybeans – 20 days prior to harvest



Standard Farm Treatment x Fertaker – Wheat, 2021



CHEMICAL AND BIOLOGICAL MIX VIABILITY:*

APPLICATION METHOD	ACTIVE INGREDIENTS / CHARACTERISTICS	VIABILITY
Foliar Spray	atrazine	High
Foliar Spray	TRICICLAZOL and tebuconazole	High
Foliar Spray	Nitrogen 5.6% + Potassium 2.3% + Zinc 1.1% + Boron 1.1%	High
Foliar Spray	pyraclostrobin	High
Foliar Spray	MATERIAL ORGANICO	High
Foliar Spray	ETIPROLE	High
Foliar Spray	copper oxychloride	High
Foliar Spray	Zinc, Manganese and COBRE	High
Foliar Spray	CLORPIRIFOS	High
Foliar Spray	pyraclostrobin and epoxiconazole	High
Foliar Spray	Nitrogen, Phosphorus, Magnesium, Sulfur, Boron, COBRE, Manganese, Molybdenum, Zinc	High
Foliar Spray	fipronil	High
Seed Treatment	fludioxonil + METALAXIL-M	High
Foliar Spray	azadirachtin	High
Foliar Spray	COBRE	High
Foliar Spray	MEFENTRIFLUCONAZOL, pyraclostrobin and fluxapyroxad	High
In-Furrow	Manganese, Zinc, Potassium and Sulfur	High
Foliar Spray	Mixed mineral fertilizer	High
Foliar Spray	fluxapyroxad and prothioconazole	High
Seed Treatment	PICOXISTROBINA, tebuconazole and mancozeb	High
Seed Treatment	thiophanate-methyl + fluazinam	High
Foliar Spray	CLOROTALONIL	High
Foliar Spray	phosphorous acid and ferrous sulfate monohydrate	High
Foliar Spray	PICOXISTROBINA, tebuconazole and mancozeb	High
Foliar Spray	Organomineral fertilizer	High
Foliar Spray	copper oxychloride + mancozeb	High
Foliar Spray	chlorantraniliprole	High
Foliar Spray	difenoconazole and cyproconazole	High
Foliar Spray	2.4-D-DIMETILAMINA	High
Foliar Spray	azoxystrobin	High
Foliar Spray	thiamethoxam and lambda-cyhalothrin	High
Foliar Spray	prothioconazole and trifloxystrobin	High
Foliar Spray	copper hydroxide	High
Foliar Spray	Nitrogen and Phosphorus	High
Foliar Spray	Nitrogen and Phosphorus	High
Foliar Spray	Amino acids	High
Foliar Spray	IMIDACLOPRID	High

*Capability of the microorganism to be tank-mixed with chemicals while maintaining its effectiveness

CHEMICAL AND BIOLOGICAL MIX VIABILITY:*

APPLICATION METHOD	ACTIVE INGREDIENTS / CHARACTERISTICS	VIABILITY
Foliar Spray	Molybdenum	High
Foliar Spray	Zinc	High
Foliar Spray	CLOROTALONIL	High
Foliar Spray	FLUENSULFONA	High
Seed Treatment	METALAXIL-M + TIABENDAZOL + fludioxonil	High
Foliar Spray	METOMIL	High
Foliar Spray	fluxapyroxad and pyraclostrobin	High
Foliar Spray	Liquid multi-nutrient fertilizer with organic carbon	High
Foliar Spray	Phosphorus, COBRE, Manganese and Zinc	High
Foliar Spray	azoxystrobin and cyproconazole	High
Foliar Spray	ADJUVANT	High
Foliar Spray	fipronil and ALFA-cypermethrin	High
In-Furrow	fipronil	High
Foliar Spray	FLUMICLORAQUE-PENTILICO and XILENO	High
In-Furrow	PROPICONAZOL	High
Foliar Spray	glyphosate	High
Foliar Spray	clethodim	High
Seed Treatment	fipronil	High
Seed Treatment	imidacloprid	High
Seed Treatment	pyraclostrobin, thiophanate-methyl and fipronil	High
Foliar Spray	bifenthrin	High
Foliar Spray	Zinc and Molybdenum	High
Foliar Spray	mancozeb	High
Foliar Spray	fluopyram	High
Foliar Spray	thiamethoxam and cyproconazole	High
Seed Treatment	Zinc 4%, Molybdenum 0.50% and Total organic carbon 6%	High
Seed Treatment	Cobalt 1% (14G/L) Molybdenum 6% (84G/L) Nickel 0.5% (7G/L) Zinc 2.5% (35G/L) INDICE Amino acids 30%	High
Foliar Spray	glyphosate	High
Foliar Spray	Zinc, Manganese, COBRE and glycine	High
Foliar Spray	Nitrogen 1% + Zinc 40%	High

*Capability of the microorganism to be tank-mixed with chemicals while maintaining its effectiveness