



Double Up

Layering Absorbio onto your existing phosphorus program increases your return on investment by improving uptake of both phosphorus and nitrogen.

PRODUCT BENEFITS:

ABSORBIO is a liquid soil amendment composed of *Azospirillum brasilense* and *Pseudomonas fluorescens* bacteria, recommended for use on agricultural crops.



Enhance beneficial microbes on the rhizosphere and soil microbiome



Fixation of atmospheric Nitrogen improving fertilization efficiency



Improve the availability of bound nutrients from the soil



Supports rhizobial symbiosis with plant's roots and seeds



Increases overall plant mass by improved nutrient uptake

TECHNICAL INFORMATION:

PRODUCT NAME:

Absorbio

PRODUCT AND FORMULATION TYPE:

Liquid Soil Amendment

APPLICATION METHODS & DOSE RATES:

Seed Treatment: 2.6 fl oz/cwt
(100 lb of seeds) = 1.3 fl oz/unit (50 lb seeds)

Planting furrow: 4.1 fl oz/ac

Broadcast/Foliar application: 7.0 fl oz/ac

CONCENTRATION/GUARANTEES:

Azospirillum brasilense strain AbV6
5x10⁷ CFU/mL

Pseudomonas fluorescens strain CCTB03
5x10⁷ CFU/mL

CROPS:

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

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

AVAILABLE PACKAGING:

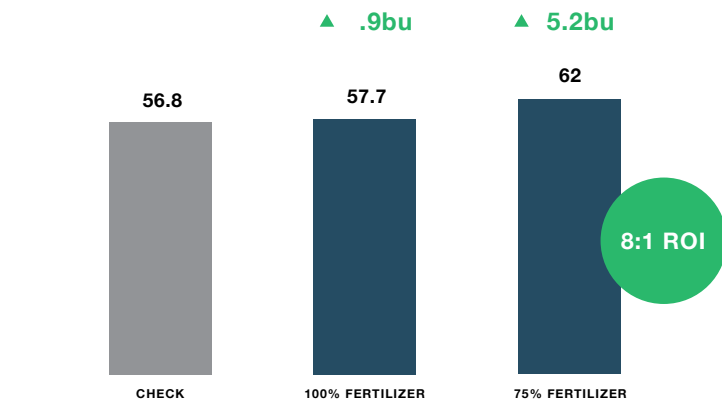
1-gallon bag-in-box (treats approx. 30 acres or 98 seed units – 50lb units)

SHELF LIFE:

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

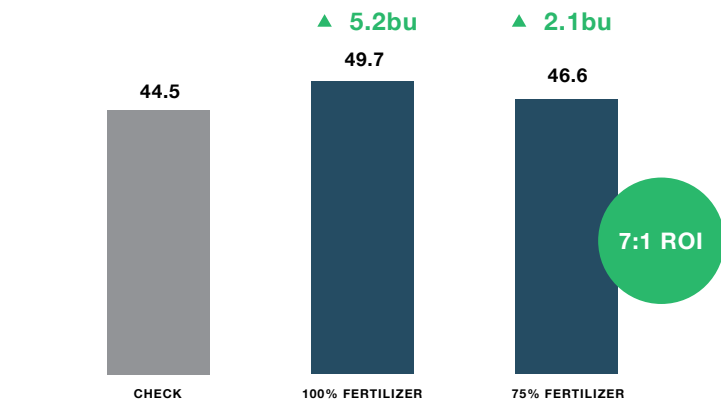
RESULTS AND ROI:

SOYBEAN YIELD INCREASE, ABSORBIO - SHERIDAN, INDIANA 2023 (BU/AC)



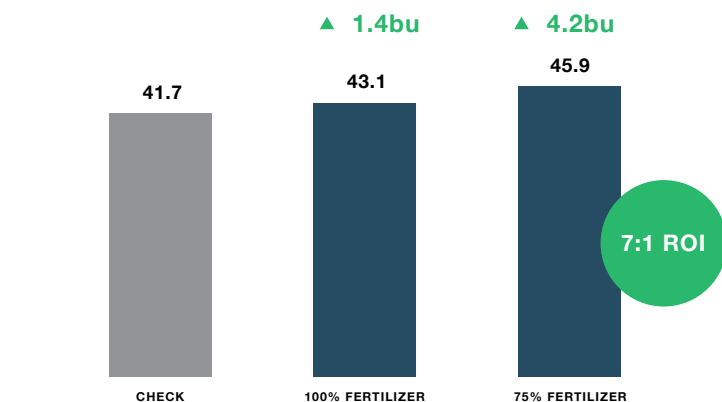
SOYBEAN BUSHEL (\$USD)	PRODUCT COST (\$USD)	YIELD INCREASE	GROWER PROFIT	ROI
9.54	8	5.2	\$41.61	8:1

SOYBEAN YIELD INCREASE, ABSORBIO - SAINT CLOUD, MINNESOTA 2023 (BU/AC)



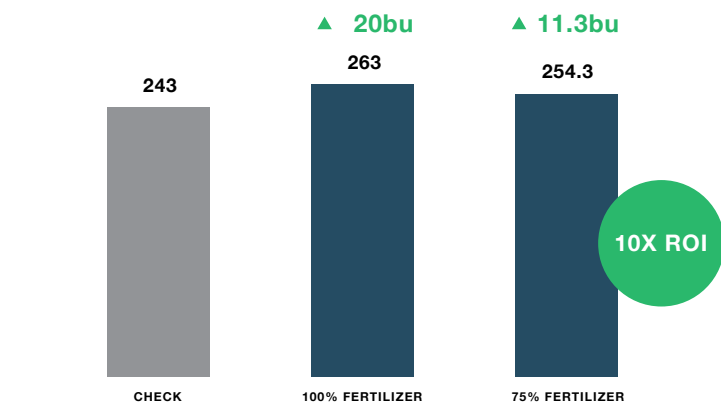
SOYBEAN BUSHEL (\$USD)	PRODUCT COST (\$USD)	YIELD INCREASE	GROWER PROFIT	ROI
9.54	8	5.2	\$41.61	7:1

SOYBEAN YIELD INCREASE, ABSORBIO - BLACKVILLE, S. CAROLINA 2023 (BU/AC)



SOYBEAN BUSHEL (\$USD)	PRODUCT COST (\$USD)	YIELD INCREASE	GROWER PROFIT	ROI
9.54	8	4.2	\$32.07	7:1

CORN YIELD INCREASE, ABSORBIO - FRANKFORT, INDIANA 2023 (BU/AC)



CORN BUSHEL (\$USD)	PRODUCT COST (\$USD)	YIELD INCREASE	GROWER PROFIT	ROI
3.97	8	20	\$71.40	10X

CHEMICAL AND BIOLOGICAL MIX VIABILITY:*

APPLICATION METHOD	ACTIVE INGREDIENTS / CHARACTERISTICS	VIABILITY
Seed Treatment	pyraclostrobin, thiophanate-methyl and fipronil	High
Seed Treatment	Cobalt 1% (14G/L) Molybdenum 6% (84G/L) Nickel 0.5% (7G/L) Zinc 2.5% (35G/L) Amino acids 30%	High
Seed Treatment	Zinc 4%, Molybdenum 0.50% and Total organic carbon 6%	High
In-Furrow	Manganese	High
In-Furrow	abamectin 72%	High
In-Furrow	fipronil	High
Foliar Spray	Mixed mineral fertilizer	High
Foliar Spray	thiamethoxam and lambda-cyhalothrin	High
Foliar Spray	imidacloprid	High
Foliar Spray	Lignosulfonate-based chelate	High
Foliar Spray	azoxystrobin and cyproconazole	High
Foliar Spray	ammonium sulfate	High
Foliar Spray	fluopyram	High
Seed Treatment	fludioxonil + mefenoxam	Medium
Foliar Spray	ADJUVANT	Medium
Foliar Spray	fipronil	Medium
Seed Treatment	abamectin 72%	Low
Seed Treatment	dietholate	Low
Seed Treatment	carboxin and thiram	Low
In-Furrow	Zinc	Low
Foliar Spray	2,4-D-DIMETILAMINA	Low
Foliar Spray	Organomineral fertilizer	Low
Foliar Spray	glyphosate	Low
Foliar Spray	Zinc	Low
Foliar Spray	glyphosate	Low
Foliar Spray	Nitrogen 1% + Zinc 40%	Low

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