

Pairs Well

Our flagship biological products to support nitrogen fixing boast superior sourcing and more stable formulation.

PRODUCT BENEFITS:

Azotrop is a soil amendment developed to improve nitrogen efficiency through nitrogen fixation, in which the microorganism associates with plant roots, fixes atmospheric nitrogen, and makes it available for the plant. Azotrop is recommended to soybeans (*Glycine max*), dry and succulent edible beans (*Phaseolus vulgaris*), corn (*Zea mays*), wheat (*Triticum spp.*), pasture, rice (*Oryza sativa*), cotton (*Gossypium hirsutum*), and other crops.

TECHNICAL INFORMATION:

PRODUCT NAME:

Azotrop

PRODUCT AND FORMULATION TYPE:

Liquid Soil Amendment

APPLICATION METHODS & DOSE RATES:

Seed Treatment: 3 fl oz/cwt (100 lb of seeds)
= 1.5 fl oz/unit (50 lb seeds)

Planting furrow: 3 fl oz/ac

Broadcast/Foliar application: 7.0 fl oz/ac

CONCENTRATION/GUARANTEES:

Azospirillum brasilense 2x10⁸ 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.
43 acres or 85 seed units – 50lb units)

SHELF LIFE:

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

RESULTS AND ROI:

CORN YIELD (BU/AC) WITH AND WITHOUT *AZOSPIRILLUM BRASILENSE* INOCULATION

EXPERIMENT 1

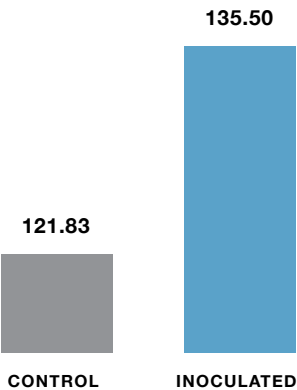
TREATMENT	YIELD (BU/AC)
CONTROL	121.83
INOCULATED	135.50

EXPERIMENT 2

TREATMENT	YIELD (BU/AC)
CONTROL	108.51
INOCULATED	121.99

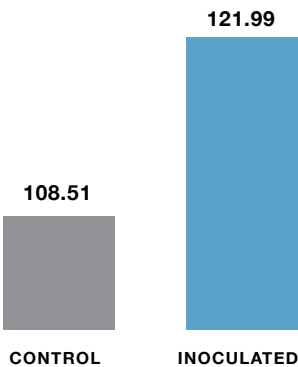
CORN YIELD - BU/AC

▲ 13.67bu



CORN YIELD - BU/AC

▲ 13.48bu



VITTO, D. C., GUIMARÃES, V. F., OLIVEIRA, P. S. R. DE, CECATTO JUNIOR, R., SILVA, A. S. L. DA, & HOSCHEID, A. R. S. (N.D.).
CORN YIELD AND PRODUCTIVITY INOCULATED WITH *AZOSPIRILLUM BRASILENSE* AND FERTILIZED WITH POULTRY LITTER

CHEMICAL AND BIOLOGICAL MIX VIABILITY:*

APPLICATION METHOD	ACTIVE INGREDIENTS / CHARACTERISTICS	VIABILITY
Foliar Spray	thiamethoxam and lambda-cyhalothrin	High
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In-Furrow	Manganese	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	abamectin 72%	Medium
Seed Treatment	fludioxonil + mefenoxam	Medium
Foliar Spray	pyraclostrobin, epoxiconazole and naphtha solvent AROMATICA PESADA	Medium
Foliar Spray	Nitrogen and Molybdenum	Medium
Seed Treatment	abamectin 72%	Low
Foliar Spray	glyphosate	Low
Seed Treatment	carboxin and thiram	Low
Foliar Spray	ADJUVANT	Low
Foliar Spray	Copper oxide and Zinc oxide	Low
In-Furrow	Zinc	Low

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