



Shield Your Soil

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

PRODUCT BENEFITS:

Tropshot is a Biological Fungicide composed of *Trichoderma harzianum* Rifai Strain T-22, recommended for use on agricultural crops.



Control Soilborne diseases such as *Pithium spp*, *Fusarium spp*, *Rhizoctonia solani*, *Sclerotinia sclerotiorum*.

TECHNICAL INFORMATION:

PRODUCT NAME:

Tropshot

PRODUCT AND FORMULATION TYPE:

Biological Fungicide

APPLICATION METHODS & DOSE RATES:

Planter Box – 1 to 10 oz/ac

CONCENTRATION/GUARANTEES:

1.5%

Trichoderma harzianum Rifai Strain T-22

1.0×10^7 CFU/g

98.85%

Total Other (Inert) Ingredients

CROPS:

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

Others: Sugarcane, Alfalfa, Beans, Barley, Oats, Canola

AVAILABLE PACKAGING:

3 pound bag (treats between 5 to 48 acres)

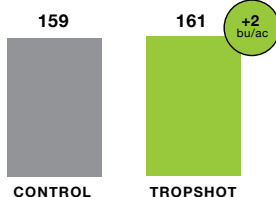
SHELF LIFE:

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

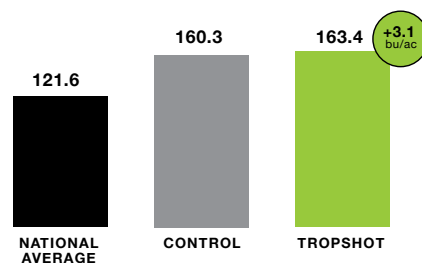
RESULTS AND ROI:

 TROPSHOT
 CONTROL
 NATIONAL AVERAGE

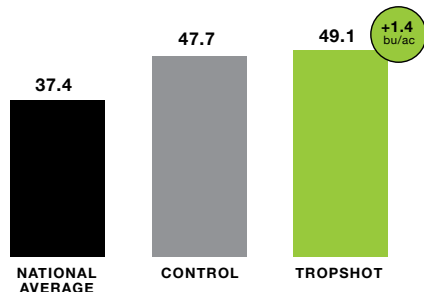
Corn: 2022 - Purdue University, Indiana



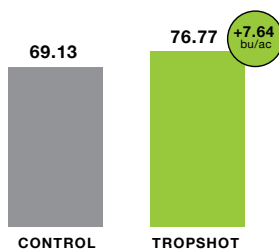
Corn: 1996-1998 - USA



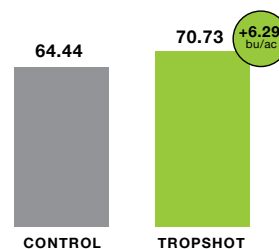
Soybeans: 1996-1998 - USA



Soybeans: 2022 - PR, Brazil



Soybeans: 2023 - MS, Brazil



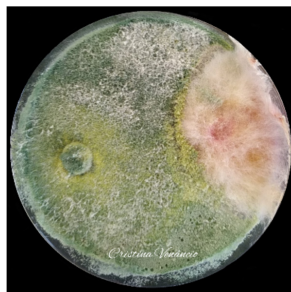
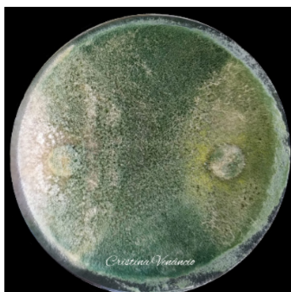
M. PHASEOLINA
(CHARCOAL ROT)

S. SCLEROTIORUM
(WHITE MOLD)

R. SOLANI
(DAMPING-OFF)

F. TUCUMANIAE
(FUSARIUM ROOT ROT)

PHOMOPSIS LONGICOLLA
(DIAPORTHE/PHOMOPSIS COMPLEX)



CHEMICAL AND BIOLOGICAL MIX VIABILITY:*

APPLICATION METHOD	ACTIVE INGREDIENTS / CHARACTERISTICS	VIABILITY
Foliar Spray	Thiophanate-methyl	High
Foliar Spray	Azoxystrobin	High
Foliar Spray	Dimethomorph	High
Foliar Spray	Imidacloprid	High
Foliar Spray	Polyoxin D zinc salt 11.3%	High
Foliar Spray	Streptomycin Sulfate	High
Foliar Spray	Fosetyl-aluminum	High
Foliar Spray	Thiophanate-methyl	High
Foliar Spray	Fosetyl-aluminum	High
Foliar Spray	Etridiazole and Thiophanate-methyl	High
Foliar Spray	Chlorothalonil	High
Foliar Spray	Pyraclostrobin	High
Foliar Spray	Prometryn	High
Foliar Spray	Flumioxazim	High
Foliar Spray	Cyromazine	High
Foliar Spray	Vinclozolin	High
Foliar Spray	Napropamide	High
Foliar Spray	S-metolachlor	High
Foliar Spray	Pyraclostrobin	High
Foliar Spray	Fenamidone	High
Foliar Spray	Thiamethoxam	High
Foliar Spray	Penthiopyrad	High
Foliar Spray	Dimethomorph	High
Foliar Spray	Thiophanate-methyl	High
Foliar Spray	Oxifluorfen	High
Foliar Spray	Pyraclostrobin	High
Foliar Spray	Indole-3-butyric acid at 20.0%	High
Foliar Spray	Mefenoxam and Fludioxonil	High
Foliar Spray	Pyraclostrobin	High
Foliar Spray	Spirotetramat	High
Foliar Spray	Linuron	High
Foliar Spray	Cyantraniliprole	High
Foliar Spray	Azadirachtin	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	Spirotetramat	High
Foliar Spray	Oxathiapiprolin and mefenoxam	High
Foliar Spray	Boscalid and Pyraclostrobin	High
Foliar Spray	Thiamethoxam	High
Foliar Spray	Simazine	High
Foliar Spray	Pyraclostrobin	High
Foliar Spray	Potassium Phosphite	High
Foliar Spray	Pyrethrins	High
Foliar Spray	Fenamidone	High
Foliar Spray	Reynoutria sachalinensis extract	High
Foliar Spray	Mefenoxam	High
Foliar Spray	Vinclozolin	High
Foliar Spray	Dinotefuran	High
Foliar Spray	Oxathiapiprolin	High
Foliar Spray	Cyazofamid	High
Foliar Spray	Thiram	High
Foliar Spray	Dimethomorph	High
Foliar Spray	Mefenoxam	High
Foliar Spray	Thiophanate-methyl	High
Foliar Spray	Vinclozolin	High
Foliar Spray	Dinotefuran	High
Foliar Spray	Rhamnolipid Biosurfactant at 8.50%	High
Foliar Spray	Bifenthrin	Medium
Foliar Spray	Potassium salts of fatty acids	Medium
Foliar Spray	Fludioxonil	Medium
Foliar Spray	Mandipropamid	Medium
Foliar Spray	Azoxystrobin and Benzobindiflupyr	Medium
Foliar Spray	Streptomyces griseoviridis strain K61	Medium
Foliar Spray	Cyprodinil and Fludioxonil	Medium
Foliar Spray	Pentachloronitrobenzene (Quintozene)	Medium
Foliar Spray	Pentachloronitrobenzene (Quintozene)	Medium
Foliar Spray	Sethoxydim	Medium
Foliar Spray	Soluble Potash (K ₂ O) - 2% and Humic acids from Leonardite 12%	Medium

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CHEMICAL AND BIOLOGICAL MIX VIABILITY:*

APPLICATION METHOD	ACTIVE INGREDIENTS / CHARACTERISTICS	VIABILITY
Foliar Spray	Mandipropamid	Medium
Foliar Spray	Cycloate S-ethyl cyclohexylethylthiocarbamate	Medium
Foliar Spray	Soluble Potash (K ₂ O) - 3%	Medium
Foliar Spray	Cyprodinil and Fludioxonil	Medium
Foliar Spray	Pentachloronitrobenzene (Quintozone)	Medium
Foliar Spray	Etridiazole	Medium
Foliar Spray	Pentachloronitrobenzene (Quintozone)	Medium
Foliar Spray	Ancymidol	Low
Foliar Spray	Fluopicolide	Low
Foliar Spray	Diaminozide	Low
Foliar Spray	Propiconazole	Low
Foliar Spray	Propamocarb Hydrochloride	Low
Foliar Spray	Triadimefon	Low
Foliar Spray	Benomyl	Low
Foliar Spray	Paclobutrazol	Low
Foliar Spray	Dicloran	Low
Foliar Spray	Iprodione	Low
Foliar Spray	Chlormequat chloride	Low
Foliar Spray	Diazinon	Low
Foliar Spray	Myclobutanil	Low
Foliar Spray	Imazalil	Low
Foliar Spray	Tebuconazole	Low
Foliar Spray	Mancozeb	Low
Foliar Spray	Imazalil	Low
Foliar Spray	Iprodione	Low
Foliar Spray	Dicofol	Low
Foliar Spray	Chlorpyrifos	Low
Foliar Spray	Malathion	Low
Foliar Spray	Maneb	Low
Foliar Spray	Imidacloprid	Low
Foliar Spray	Thiabendazole	Low
Foliar Spray	Pydiflumetofen and Fludioxonil	Low
Foliar Spray	Flutolanil	Low

*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	Fluxapyroxad and pyraclostrobin	Low
Foliar Spray	Acephate	Low
Foliar Spray	Pendimethalin	Low
Foliar Spray	Pydiflumetofen & Difenconazole	Low
Foliar Spray	Fluopicolide	Low
Foliar Spray	Propamocarb Hydrochloride	Low
Foliar Spray	Flutolanil	Low
Foliar Spray	Propanil	Low
Foliar Spray	Pendimethalin	Low
Foliar Spray	Flutriafol	Low
Foliar Spray	Glyphosate	Low
Foliar Spray	Iprodione	Low
Foliar Spray	Fenarimol	Low
Foliar Spray	Chlorine dioxide	Low
Foliar Spray	Carbaryl	Low
Foliar Spray	Uniconazole	Low
Foliar Spray	Triflumizole	Low
Foliar Spray	Propiconazole	Low
Foliar Spray	Flurprimidol	Low
Foliar Spray	Pronamide	Low
Seed Treatment	Carboxin	Low

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