VESTMENT IN



In today's marketplace, our end-user consumers are demanding more sustainable products and practices without sacrificing yield and quality. Many hard chemistry tools that we've counted on for years are being phased out or limited. Guardian is our answer to this challenge. Several years ago we asked the question:

"Can we develop a product and protocol to achieve the same or better results using probiotic products vs. the current standard chemical antibiotic (soil fumigants) approach?"

That's how Guardian was born. Guardian is a broad-spectrum, highly concentrated biologica inoculant designed to restore the natural checks and balances found in healthy soils. Replicated third-party trials exploring efficacy on soil-borne disease and nematode pressure as well as large-scale split field trials all show similar results: Guardian can do the

fumigation practices don't. No plant back compressed spring planting seasons. We push our soils. We created Guardian to be a great investment in soil health. Think of it as your new tool for helping to manage disease pressure on a probiotic basis. Contact us today to learn more about what returns you can expect on that investment.

PERMANENT CROPS

- 15 gallons of Guardian broadcast across the area to be planted.
- 1:15 ratio of Guardian: Water in root dip at planting.



ROW CROPS

- 15 gallons of Guardian broadcast across the field to be planted.
- Can be applied in fallto residual organic matter from prior crops for accelerated breakdown.
- If applied in spring there are no plant-back restrictions.

For more information, contact us: 1 (800) 725-9578







	v				w									Trichoderma harizanum	ø.		
SPECIES PGPR/PGPM	B. Amyloiquefaciens		<u>.s</u>		B. Methylotrophicus	sn							ajae	ariza	Trichoderma Spirale	iride	
MECHANISM	Inefa		B. Licheniformis	B. Megaterium	trop	B. Mucilaginosus	e			Ε	v		Penicillium bilaiae	na h	na S	Trichoderma viride	a u
N. i. CAMPRIAN CO.	yloic	uns	Jenif	gatei	thylo	cilag	B. Polymyxa	B .Pumilus	Subtilis	L. Herbarum	L. Pentosus	tis	iii.	dern	dern	dern	Azotobacter chroococcum
Version: GAURDIAN_001 Dated: 07.04.2025	. Am	B. Firmus	Lich	Σ e	Me	Σ	Pol	P.	sub.	Her	Pen	L. Lactis	enici	icho	icho	icho	zoto
Dated: 07.04.2025	m m	m	m				ш	m	œi		نـ aerob		ď	-		F	
1) IMPROVES NUTRIENT AVAILABILITY		Aerobes							Ana	es	Fungi				Nitro Fix		
Increase Fertilizer Use Efficiency				-													
Manufactures Humic/Fulvic Acid		•	•	-		•			•	•	•	-		-		•	-
Improves Boron Efficiency & Uptake																	_
Improves Nitrogen Efficiency & Uptake Supplies Atmospheric N To Plant																	
Improves Calcium Efficiency & Uptake						•											
Improves Copper Efficiency & Uptake						-											
Improves Iron Efficiency & Uptake Improves Magnesium Efficiency & Uptake						-											
Improves Magnesium Efficiency & Optake																	
Improves Molybdenum Efficiency & Uptake						•											
Improves Phosphorous Efficiency & Uptake	•	•		-		•			-	-	-	-	•	•		•	
Soluablizes Phosphorous Improves Silicon Efficiency & Uptake		•		-						-	-	-					
Improves Sulfur Efficiency & Uptake																	
Improves Zinc Efficiency & Uptake						-											
Improves Potassium Efficiency & Uptake	•					•	•						•	•		•	
Greater Than Normal Nutrient Availability	•	•	•					•	•							•	
2) BIOCONTROL AGENT High Concentrations Of Cfu/Gram/Acre																	
Competitive Exclusion			-	-		-	-		-	-				-		•	•
Bio Control Agent	•	•	-	•	•	•	•	•	•	-	•	•	•	-		•	-
Nematode Bio Control	•	•			•		•		•	•	•	•	_	•		•	
Endoparasitic Fugus On Nematode Antibiotics Produced		-		-							•	•		-		•	_
Endophyte	-		_	-			-			_				-		•	-
Prevent Gray Mold, Late Blight, V. Wilt			•		•		-		-								•
Works On Viruses	•								-					_			
Kills Pathogens By Hydrolytic Enzymes Low Molecular Weight Antibiotics	•					-								-		-	
Produces Neosporin/Bacterin	-					_	•										
Rizoctonia Solani					-				•	•							
Fusarium Wilt					•				•								
Early Blight Late Blight					-												
Pear Black Spot	_								_								
Powdery Mildew											•						
Botrytis										•	•	•	_			_	
Grey Mold 3) PRODUCES PLANT GROWTH STIMULATORS	· /DI	ANT	LIEAI	TL\	•				-	-						•	
Promote Root Growth	(PL	ANI	HEAL	-1167)													
Amino Acid Producer	•	_	_			_	_	_	•	_	_	_		_			
Produces Metabolites Similar To Cytokinin, Auxin Etc	•				•				•								-
Increase Resistance To Freezing And Cold Hydrolyze Starch & Bio Degrades Mannan, Xylan,Cellulose			•	-													
Improves Quality And Taste Of Fruit																	
4) PLANT STRESS REDUCTION																	
Abiotic Stress Reducer			•						•	-				•		•	
Reduce Compaction			-			-				-	-	-					
Salt Stress Reducer Sar Plant Responses							-			-							
Stimulate Growth	•		•	-	-	•	•	•	-	•			•	•		•	•
GENERAL SOIL HEALTH																	
Builds Healthy Soil	•	•	•	•	•	•	•	•	-	-	•	•	•	•		•	•
Efficient Bio Degrader Accelerate Germination	•																
Adjusts The Bacterial Balance							-			-				-			-
Enhance Soil Microbiome Diversity	•	•	-	•	•	•	-	•	-	-	-	-	•	•		•	•
Biofilm Producer (Soil Aggregation)			-	-					-	-	-	-					
Degrades Residual Pesticides Builds Organic Acids																	
Improves Root Microbiome				-		-				-							
Improves Soil Aeration	-	-	-	-	•	•	-	•	-	-	•	-	•	•		•	•
Improves Soil Condition	-	-	-	-	-	•	-	-	-	-	-	-	•	•		•	
Easy To Apply Irrigation, Dripline, Root Dip, Planter Band, Spray Rig, Etc							-	•	-		•						
gation, Dripinio, Note Dip, Flanter Dand, Spray Rig, Etc											_	_					-