ØMeltDown[™]O



Plant Nutrition Benefits

Environmental Stress Benefits

ACC BL	Support ACC, a p	t abiotic stress tolerar precursor to ethylene	nce by degrading formation						Phosph BS, RP	orus	Able to solubilize and make plant available insoluble forms of phosphate
Acetoin BS	cetoin Secretes acetoin which triggers induced systemic resistance (ISR), mediating stress								Nitrogen RP		Capable of fixing atmospheric nitrogen (N_2) into biologically useable and available ammonia
Auxin BL	AuxinCritical forBLenhance p		or cell division, plant growth and plant's tolerance to abiotic stress			-			Sulfur BS		Able to convert (oxidize) insoluble sulfur into plant available sulfates
CatalaseAn antioxidant enzyme that protects plant cells from abiotic stress damageBL			etects plant						Iron BS	A	Able to convert insoluble forms of iron into ron-chelating siderophore compounds
Exopolysaco BS, BL	charides Secre roots	tes EPS which forms a mitigating damage fr	a biofilm layer on om abiotic stress	<u> </u>	1441 Horano "O					Bi	odegradation Benefits
IAA Secretes IAA, a common auxin that enables RP cell division and movement of photosynthates			-	Comparing the second s	to enhance the biological degradati filing instructions: For bost results, data CMU will before use. If combining with other <u>rego</u> routests and being them mixed legather—thing are actended periods of time. Generoberticals <u>may</u> as be detrimentar to the microbest mixing <u>beam</u>	ion of crop residues. 1001 001 Of REACH OF CHELDREN. Inductional and interargenisms that the territorial strategy with the second strategy of the territorial strategy with the second strategy with		Amylas BS, BL	9	Secretes amylase, an enzyme that hydrolyzes starch and breaks it down into smaller sugars	
PAL BS	PAL Secretes PAL, a key enzyme that supports BS systemic resistance against abiotic stress				Red opendiamena palante tra' ("Gt/mil. Hun/s Red Greenel fatmatice Mel/sum" 0 h a flipd formation compared of tame of an analytic derived beneficial microarganism isolated from asits without genetic modifications. If Powerd by Bulk® dokt supartor hulo acids. Mel/Down for decidence process of beneficial microarganism isolated process of beneficial microarganism process of beneficial microarganism beneficial microarganism.	which other products, it is been it can shared by a manual compatibility. If it is the shared by a manual compatibility. If it is a shared by a manual compatibility. If it is a shared by leady a structure of these shared by a shared by the shared by leady and the shared by a shared by the shared by whether the shared by the shared by the shar	che givesportette cichtag, eyes on pretection. KALED: Remove parson to reak als and at met in a pointin comfortable for ing. I vale in traition comfortable for ing. I vale in traition control: Get medical wittention. FTES: Rens cautously with water for al minutes, if we introlog parsists: Get al al whole at traition.		Cellulase BS, CC	s c	ecretes cellulase, an enzyme that breaks down ellulose into its monosaccharide units
	·				several collutions and light-degrading sy- microdies that increase the select of the microdies and enhances water retentions. This is coll-basit-heights driver collosing order and to promote higher yields. Manue descraved By Casel ow Crop Solis If an s 39270 CH Water Mit. Advisors. ON: NON MO	Interge & Hundhag: Please store at room F 640 control of the separation of blocks and the separation of the separation o	ALLOWED To Brace mouth. Cell a policien of the service of the transmission of the service out is policien to be Carabian of their table service out is policien to a construction of the table service out is policient to a construction of the table service out is policient to a construction of the table service out is policient to a construction of the table service out is policient to a construction of the table service out is policient to a construction of the table service out is policient to a construction of the table service out is a construction of the table service out is a construction of the table service out is a construction of the table service out is construction out is the table service out is the table service out is construction out is the table service out is the table		Chitina: BS	ie .	Secretes chitinase, an enzyme that biodegrades the cell walls of fungi that is rich in chitin
Microbial Species	Abbreviation	Microbial Species	Abbreviation						Glucanase BS	s c	ecretes glucanase, an enzyme that breaks lown large polysaccharides like glucans
Bacillus licheniformis	BL	Cellulomonas cellasea	сс						Laccase		An enzyme that biodegrades lignin and can oxidize and degrade aromatic pollutants
Bacillus subtilis	BS	Rhodopseudomonas palustris	RP					\backslash	Lipase	9	Secretes lipase to help support the break down
									BS, RP Proteas BS, BL	e	Secretes protease, an enzymes that break down proteins down into amino acids
Location:		Contact Us:			2/6/2A				BS		nemicellulose in plant cell walls

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MeltDown[™]O - Organic Biological Residue Manager & Recycler

Reclaim Investment Dollars

MeltDown[™] O boosts the natural process of breaking down and recycling nutrients from residue and stubble back into the soil. MeltDown[™] O is easy to use, and can be added with fertilizers, herbicides or fungicides.

MeltDown[™] O provides beneficial bacteria that improve the return of micro and macro nutrients from reside to the soil. The beneficial microorganisms will degrade complex polymers such as cellulose, lignin, chitin, and related compounds.

These microbes support:

- Production of environmental stress reducing factors such as EPS and PAL
- Production of biodegradable enzymes such as cellulase, laccase, urease, and xylanase
- Production and consumption of CO₂ through photosynthesis, decomposition of complex organic molecules, and soil carbon storage



Sunderland, Ontario 2022





Leamington, Ontario 2022

Application Rates

Broadcast Application: 1 L (34 oz) per acre MeltDown[™] O can be added to fall or spring burndown and/or added to your nitrogen program. Fall applications support improved spring planting conditions.

Benefits of Applying MeltDown[™]O

- Helps drive CO₂ cycling, promoting higher yields and healthier soils
- Simplifies ground prep, potentially eliminating a tillage pass
- Reduces hair pinning and improves seed to soil contact
- Reduces equipment issues and potential tire damage from tough stalks

Location:

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