



# BIOPack™ - Soil Probiotic Consortium

Minimum Guarantee  
Contents Certified by ATCC

<u>Genus/Species</u>	<u>Solubility</u>	<u>cfu/gm</u>	<u>Summary of Mode of Action</u>
Arthrobacter globiformis	Water Miscible Powder	1x10 <sup>8</sup>	N-fixer, degradation of organophosphates
Aspergillus oryzae	Water Miscible Powder	1x10 <sup>8</sup>	N-fixer, in grasses (monocotyledons)
Azospirillum brasilense	Water Miscible Powder	1x10 <sup>8</sup>	N-fixer, produces cytochromes, tolerant of HIGH SALT, produces hormone EDA
Azospirillum lipoferum	Water Miscible Powder	1x10 <sup>8</sup>	N-fixer, produces photohormone gibberallic Acid
Azotobacter chroococum	Water Miscible Powder	1x10 <sup>8</sup>	N-fixer
Azotobacter vinelandil	Water Miscible Powder	2x10 <sup>8</sup>	N-fixer, produces nitrogenase, auxis, bioremediates aromatic compounds
Bacillus cerus	Water Miscible Powder	1x10 <sup>8</sup>	produces zwittemycin, performs nitrate respiration
Bacillus subtilis	Water Miscible Powder	1x10 <sup>8</sup>	A naturally occurring protein of soil
Micrococcus luteus	Water Miscible Powder	1x10 <sup>8</sup>	Degrades aspartic acid, produces L-threonin, Drought Tolerant
Streptomyces venezvelae	Water Miscible Powder	1x10 <sup>8</sup>	Produces cysteine (SH Bridges), Solutrate in biosynthesis of sulphur
Streptomyces griseus	Water Miscible Powder	1x10 <sup>8</sup>	Brosynthesis of Sulphur continuing amino acids, produces vitamins B12
Paenibacillus polymyxa	Water Miscible Powder	1x10 <sup>8</sup>	Produces hormones, cytokinins, auxins, gibberellins
Phanerochaete chrysosporium	Water Miscible Powder	1x10 <sup>6</sup>	Produces MN peroxidase
Pimelobacter simplex	Water Miscible Powder	1x10 <sup>8</sup>	Produces IAA, Binds Fe
Trichoderma reesei	Water Miscible Powder	1x10 <sup>6</sup>	Essential for rhizosphere
Mrakia frigida	Water Miscible Powder	1x10 <sup>8</sup>	Cold temperature tolerant
Cellulomonas	Water Miscible Powder	1x10 <sup>6</sup>	Essential for rhizosphere
Bacillus megaterium	Water Miscible Powder	1x10 <sup>8</sup>	Essential for rhizosphere
Pseudomonas fluorescens	Water Miscible Powder	1x10 <sup>6</sup>	Scavenger of Fe
Thiobacillus thiooxidans	Water Miscible Powder	1x10 <sup>5</sup>	Trace mineral uptake

BioPack™ is offered in a 50gm/acre treatment packet. Product is miscible with water and can be applied with conventional spray equipment. This product will facilitate nutrient mineral uptake caused by high PH soils, saline soils, sodic soils. The product is abroad spectrum of beneficial soil microbes. Please refer to BioPack Technical sheet for specific recommendations. Net Contents 50 grams

Functional Guarantee is mentioned on the Certificate of Analysis.

## Soil Secrets LLC

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