

Bioflux 1

ORGANIC

LIQUID

PARCEL

-

VARIETY

-

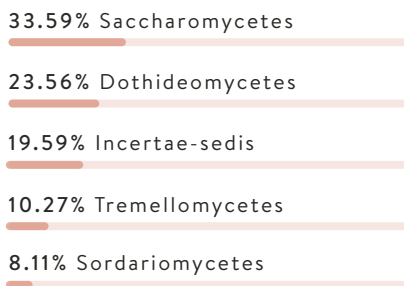
DATE

20Dec2018

MICROBIAL POPULATION

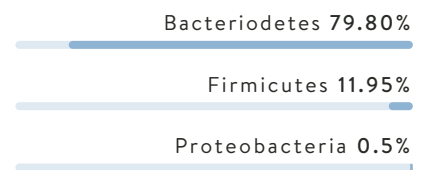
All the information shown in this microbial report is based on the detected presence of **238** different species

FUNGAL PHYLUM DISTRIBUTION



FUNGUS BACTERIAL

BACTERIAL PHYLUM DISTRIBUTION

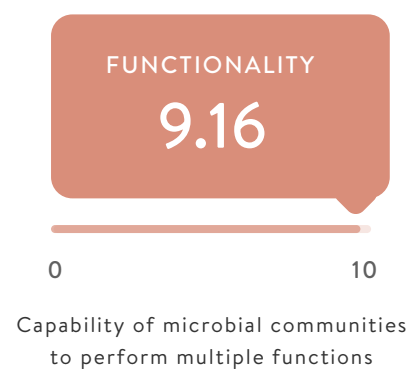
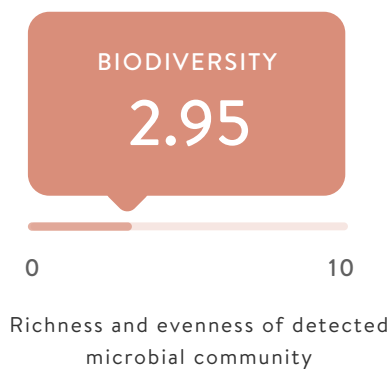


SUMMARY

STRENGTHS



BIOSUSTAINABILITY



PLANT HEALTH IMPROVEMENT

biocontrol agents, plant growth promoting organisms

BIOCONTROL AGENTS



Microbial species grouped according to the type of pest they encounter, capable of preventing pathogenic species from taking hold or proliferation.

Fungicide Agents

0.33%

Bactericide Agents

Not Detected

Insecticide Agents

0.31%

Nematicide Agents

Not Detected

HORMONE PRODUCERS



Microbial species grouped according to the type of phytohormone they generate.

Cytokinin Production

CELL PROLIFERATION

CELL DIFFERENTIATION

0.017%

Gibberellin Production

ELONGATION

GERMINATION

FLOWERING

0.39%

Auxin Production

CELL DIVISION

ELONGATION

0.1%

ADAPTATION TO STRESS CONDITIONS



Microbial species grouped according to their relationship with the metabolisms linked to the capability to withstand stress conditions

Exopolysaccharide Production

NUTRIENT TRAP

SALINITY PROTECT.

0.067%

ACC Deaminase

PATHOGEN PROTECT.

SALINATION PROTECT.

0.083%

Heavy Metal Solubilization

BIOREMEDIATION

DETOXIFICATION

0.05%

Abscisic Acid

GROWTH REGULATION

PLANT RESISTANCE

Not Detected

Salicylic Acid

ALLEVIATE WATER STRESS

ROOT GROWTH PROMOTION

0.033%

Salt Tolerance

ALLEVIATE WATER STRESS

ROOT GROWTH PROMOTION

0.017%

Siderophore Production

IRON NUTRITION

BIOFERTILIZER

30.68%

NUTRITION

Nutritional status based on the presence and mobilization of certain compounds

MAJOR COMPOUNDS

C Carbon Pathways

GAIN

Carbon Fixation — 80.71%

LOSS

Aerobic Respiration — 95.60%

Methanogenesis — 95.98%

Fermentation — 98.38%

INDIRECT BENEFITS

Organic Matter Release — 12.25%

P Phosphorus Pathways

NUTRIENT SUPPLY

Phosphorus Solubilization — 7.36%

NUTRIENT COMPETITION

Inorg. Phosphorus Consumption — 54.28%

INDIRECT BENEFITS

Org. Phosphorus Assimilation — 28.40%

N Nitrogen Pathways

NUTRIENT SUPPLY

Inorganic Nitrogen Release — 97.1%

NUTRIENT COMPETITION

Organic Nitrogen Consumption — 74.83%

INDIRECT BENEFITS

Inorganic Nitrogen Cycle Health — 0.26 / 10

K Potassium Pathways

NUTRIENT SUPPLY

Potassium Solubilization — 7.36%

NUTRIENT COMPETITION

Potassium Consumption — 77.07%

MINOR COMPOUNDS

Zn **Zinc**
Zinc Transport Equilibrium — 69.32%

Ca **Calcium**
Calcium Transport — 96.37%

Cu **Copper**
Copper Export — 54.25%

Mn **Manganese**
Manganese Transport — 16.24%

Fe **Iron**
Iron Assimilation — 38.59%

Mg **Magnesium**
Magnesium Transport — 44.20%

S **Sulfur**
Sulfur Cycle Equilibrium — 1.58%

Cl **Chlorine**
Chlorine Transport — 98-01%

APPENDIX

USDA HUMAN PATHOGENS



Bioflux 1

List of Human Pathogens whose presence is forbidden by the USDA



Escherichia coli

— Not Detected



Salmonella sp

— Not Detected



Listeria sp

— Not Detected

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