



# No Parcel Associated

RIVER BEND AG | MANN-TM1  
CTJ0J1

## General Features

Soybean Crop	- Location	- Soil Type	28Oct2023 Date
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## Summary

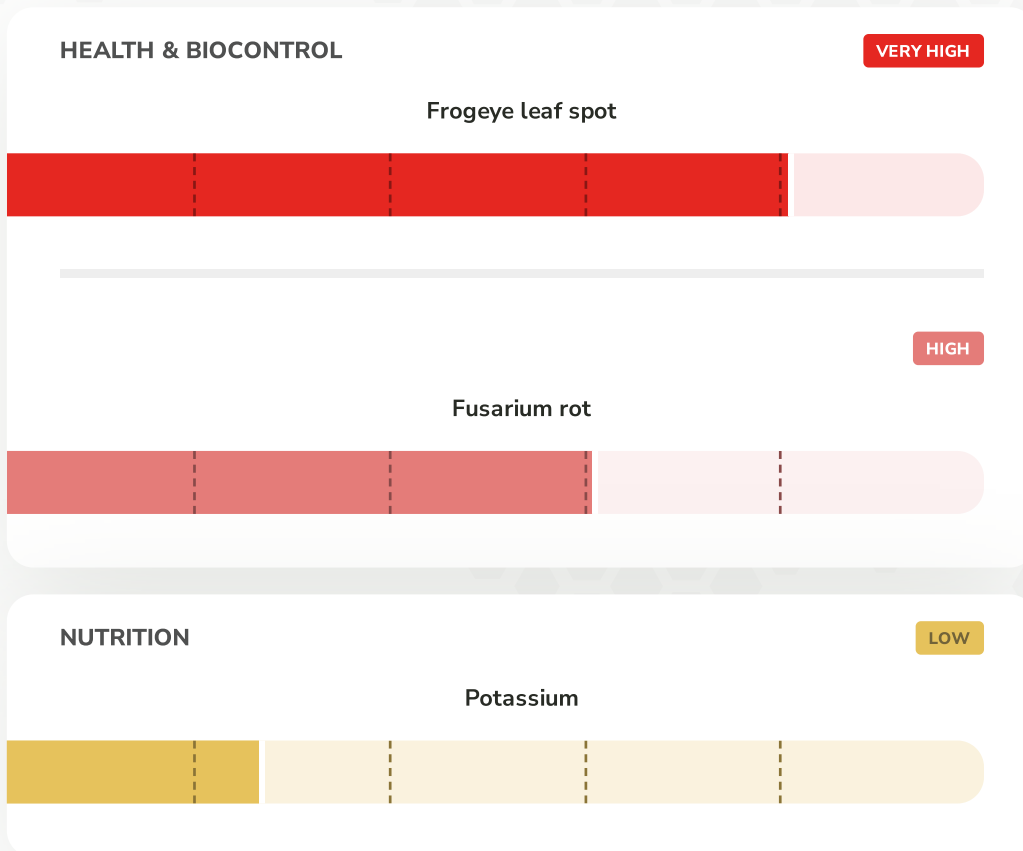
### Selected BeCrop index to be improved

Here you will find the highest impact improvement opportunities.

**Soil**  
Biosustainability

40

MEDIUM



BC-R-Test-ITS3-1654-BPP3.5-2023-11-19-CTJ0J1-1/6



## Insights

All the information shown in this microbial report is based on the detection presence of 652 different species

**1e+10 units/gr**  
Total Bacteria

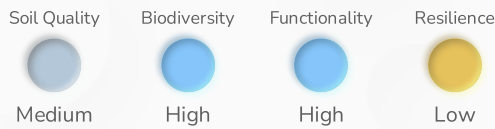
**1e+8 units/gr**  
Total Fungi

**1:17**  
Arbuscular-Ectomycorrhiza Ratio

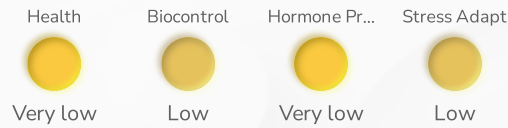
**1:222**  
Fungi-Bacterial Ratio

## Summary

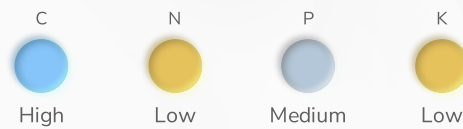
### Soil Quality



### Health

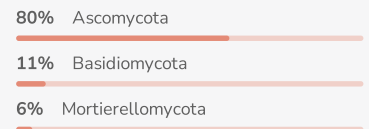


### Nutrition

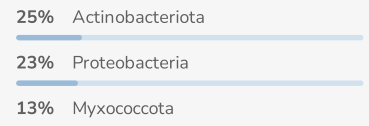


### Distribution

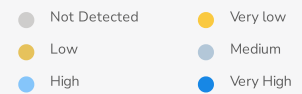
Fungal Phylum distribution



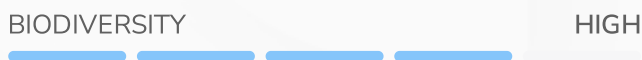
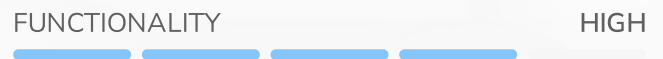
Bacterial Phylum distribution



### Ranks



## Soil Quality



# Health

**HEALTH**  
VERY LOW **5**  
Disease Risks found

Crop health according to the pathogens detected

### Relevant Risk Detected

#### FROGEYE LEAF SPOT

STALK, LEAF, PD



WORLDWIDE INCIDENCE

((( ))) Widely spread

87 out of 100 parcels analysed are affected by Frog-eye leaf spot

RISK LEVEL

VERY HIGH



! FEATURED MICROORGANISM FOUND  
related to Frog-eye leaf spot

*Fusarium oxysporum* • FUNGUS

#### FUSARIUM ROT

SEED



WORLDWIDE INCIDENCE

((( ))) Widely spread

97 out of 100 parcels analysed are affected by Fusarium rot

RISK LEVEL

HIGH



! FEATURED MICROORGANISM FOUND  
related to Fusarium rot

*Fusarium oxysporum* • FUNGUS

### Slight Risk Detected



#### CHARCOAL ROT



LOW Risk level



#### PYTHIUM ROT



VERY LOW Risk level

NECOSMOSPORA STEM ROT

### Not Detected

- ANTHRACNOSE • LEPTOSPHAERULINA LEAF SPOT • PHOMOPSIS SEED DECAY • PHYMATOTRICHUM ROT
- PHYTOPHTHORA ROT • POD AND STEM BLIGHT • POWDERY MILDEW • RED CROWN ROT • RED
- LEAF BLOTCH • RHIZOCTONIA ROT • RUST • SOUTHERN BLIGHT • STACHYBOTRYS ROOT ROT •
- STEM CANKER • STEMPHYLIUM LEAF BLIGHT • SUDDEN DEATH SYNDROME • TARGET SPOT • WHITE
- MOLD

## Health

- **Not Detected**

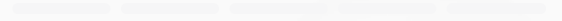
WILDFIRE • YEAST SPOT OF PODS AND SEEDS • ATERNARIA LEAF SPOT • BACILLUS SEED DECAY • FUSARIUM BLIGHT OR WILT • BACTERIAL BLIGHT • BACTERIAL PUSTULE • BACTERIAL TAN SPOT • BACTERIAL WILT • BROWN SPOT • BROWN STEM ROT • CERCOSPORA LEAF BLIGHT AND PURPLE SEED STAIN • CHOANEPHORA LEAF BLIGHT • DOWNY MILDEW • DRECHSLERA BLIGHT

- **Biocontrol**

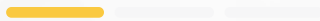
FUNGICIDE AGENTS MEDIUM



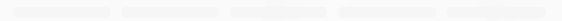
BACTERICIDE AGENTS NOT DETECTED



INSECTICIDE AGENTS VERY LOW



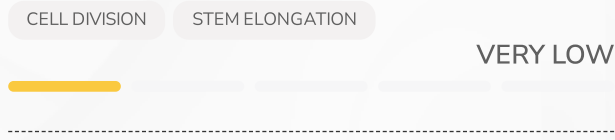
NEMATICIDE AGENTS NOT DETECTED



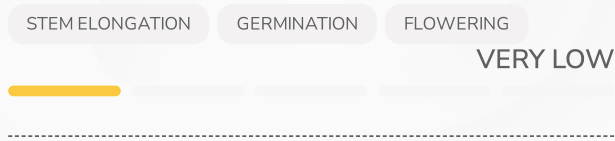
**HORMONE PRODUCTION** **3**  
Detected  
VERY LOW

Microbial phytohormone potential based on Microbial species detected

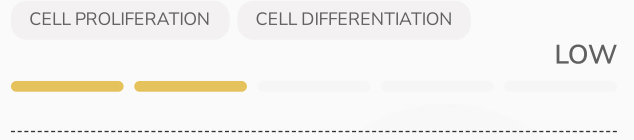
**AUXIN PRODUCTION (IAA)**



**GIBBERELLIN PRODUCTION (GA)**



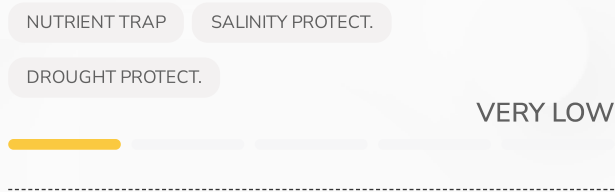
**CYTOKININ PRODUCTION (CK)**



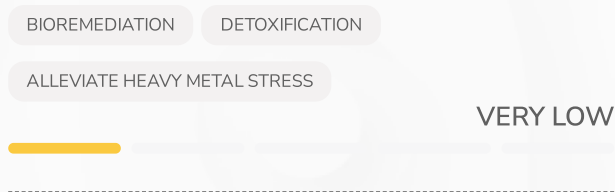
**STRESS ADAPTATION** **7**  
Detected  
LOW

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

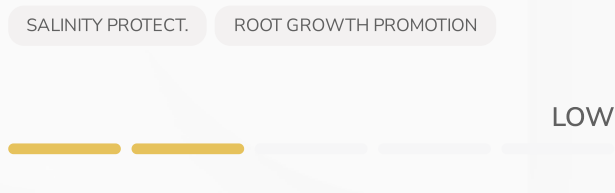
**EXOPOLYSACCHARIDE PRODUCTION**



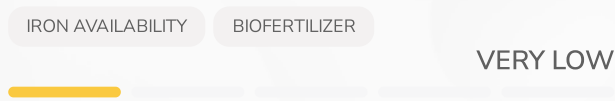
**HEAVY METAL RESISTANCE**



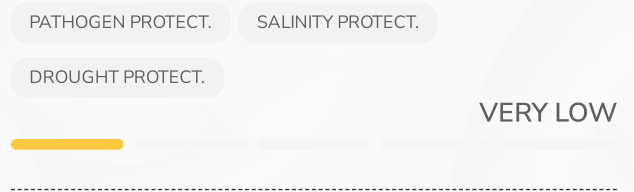
**SALT TOLERANCE**



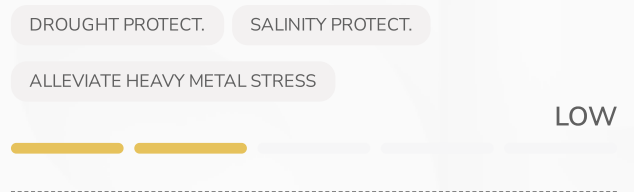
**SIDEROPHORE PRODUCTION**



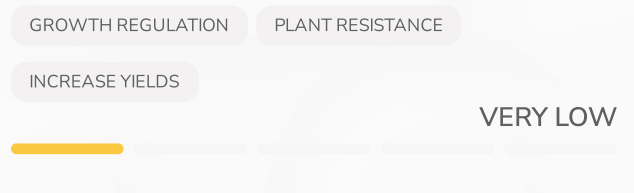
**ACC DEAMINASE (ACC-D)**



**SALICYLIC ACID (SA)**



**ABSCISIC ACID (ABA)**

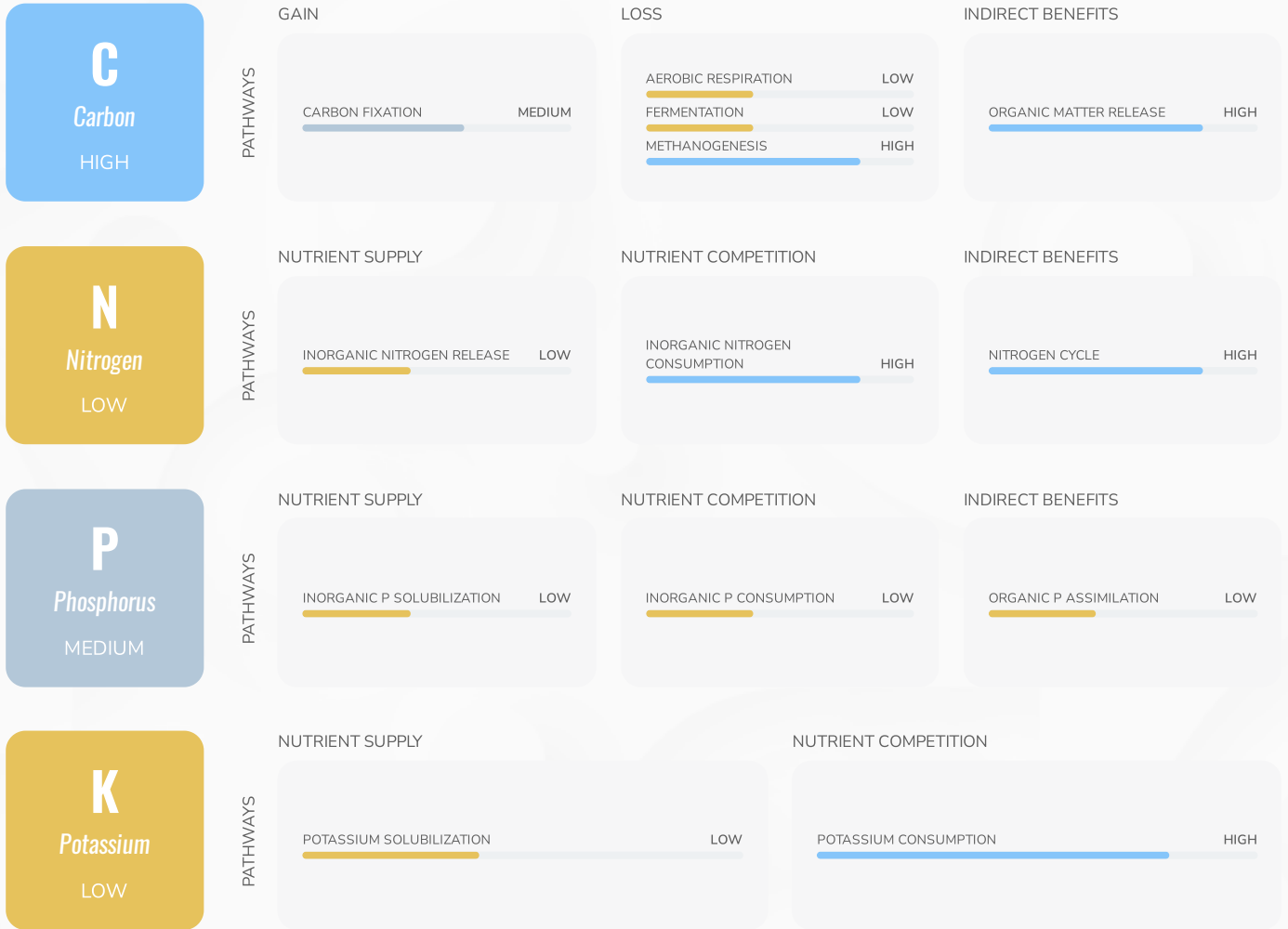


BC-R-Test-ITS3-16S4-BPP3.5-2023-11-19-CTJ0J1-4/6

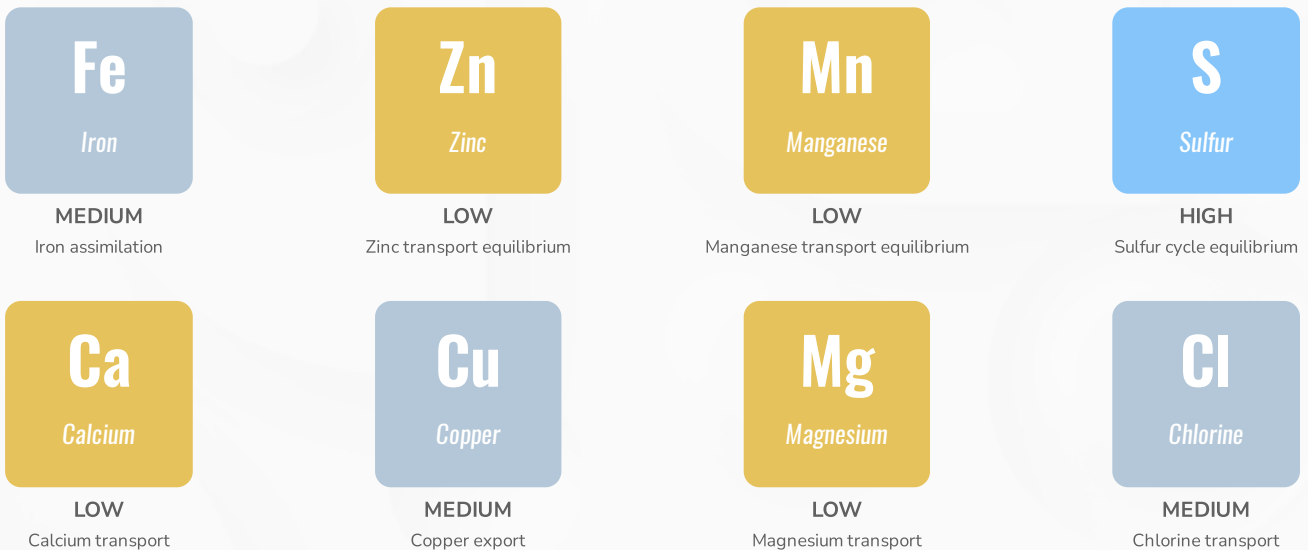
# Nutrition

Nutritional status based on the microbial mobilization of certain compounds

## Major Compounds



## Minor Compounds





# Chemical fertility ratings

## General Insights

1.24% Organic Matter
 7.5 pH
 Buffer pH 7.8
Estimated Nitrogen Release 25 lb/ac

TEXTURE

Not Available

Texture analysis not applied

## Extractable Elements

**MACRONUTRIENTS**

Nitrate-Nitrogen **95** lb/ac  
**N03** 4.63 PPM  
 N03-N  
**P** MEDIUM  
 P (M3)

Potassium **347** lb/ac  
**K** HIGH  
 K (M3)

Ammonium-Nit...  
**NH4** 1.55 PPM  
 NH4-N (KCl)

**MICRONUTRIENTS**

Sulfur **14** LB/AC  
**S**  
 S (M3)

Calcium **3295** lb/ac  
**Ca** VERY HIGH  
 Ca (M3)

Magnesium **435** lb/ac  
**Mg** VERY HIGH  
 Mg (M3)

Iron **554** lb/ac  
**Fe** VERY HIGH  
 Fe (M3)

Zinc **3.1** lb/ac  
**Zn** LOW  
 Zn (M3)

Manganese **186** lb/ac  
**Mn** MEDIUM  
 Mn (M3)

Copper **3** lb/ac  
**Cu** MEDIUM  
 Cu (M3)

Boron **1.2** lb/ac  
**B** MEDIUM  
 B (M3)

CATION EXCHANGE CAPACITY

12.1 meq/100g

BASE SATURATION RATINGS

BS-K 3.7%

BS-Ca 67.8%

BS-Mg 14.9%

BS-Na 0.4%

## Detrimental Elements

Sodium

**Na** 23 LB/AC

Na (M3)

ELECTRICAL CONDUCTIVITY

mmhos/cm

0.095

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