



# CORPORATE RTB

Reasons To Believe

Q2 2023



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# GRACE BREEDING

Is an AgClimateTech company providing sustainable agricultural solutions for sustainable food supply

Replace climate-harmful,  
synthetic products  
while protecting the  
environment

Protect crops from the  
effects of climate change  
stressors  
while supporting profitable  
crop production for  
farmers





RTB (Reasons To Believe)

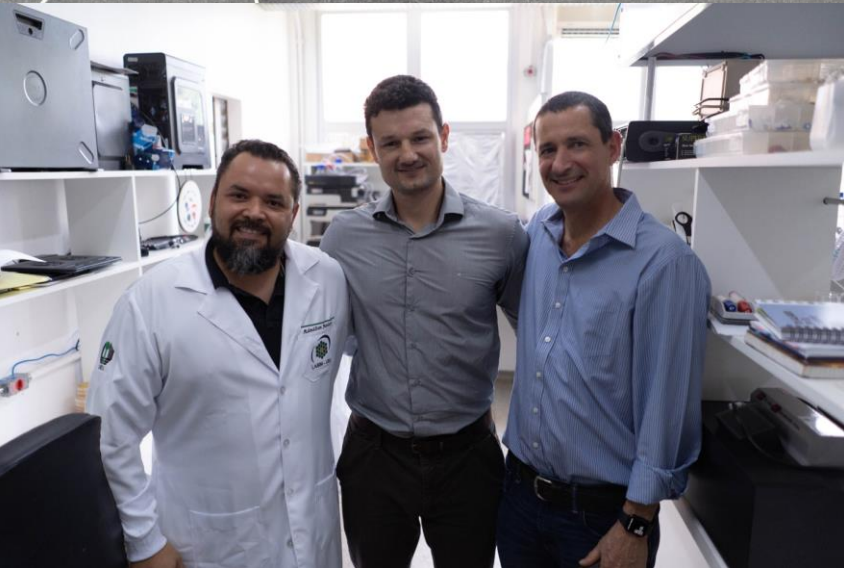


## Global Footprints

The company intends to start conducting field experiments and observations for marketing and sales around the world.







**See our lab., greenhouse and  
field-level scientific and GTM trials**

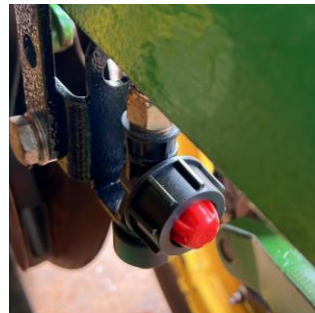
[Video here](#)



# Market agrotechnical readiness

Brazilian farmers own liquid biological in furrow machineries

Israel



Brazil





# Bio-Fertilizer

## NFT Greenhouse POC successful trials – Corn and Soybean (UEL, Brazil 2023)



26/01/2023 Sowing photo: Camila Francovig



26/01/2023 Sowing photo: Camila Francovig



26/01/2023 Sowing photo: Camila Francovig



06/02/2023 photo: Camila Francovig

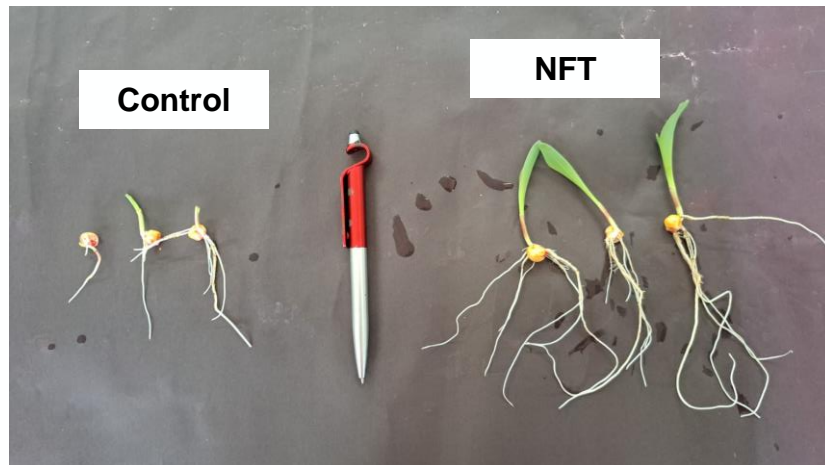


06/02/2023 photo: Camila Francovig



13/02/2023 photo: Camila Francovig

### NFT – Seed germination test (7 days)



### NFT + Inoculant (Feb. 2023)



Quantity of N :

0 25% 50% 75% 100%



Quantity of N: 50%

↑  
NFT+Inoculant    ↑  
NFT



# Bio-Fertilizer

NFT Field trials – Corn and Soybean (Brazil 2023)

## Manual



18/01/2021 Preparo do solo photo: Jefferson Ferres



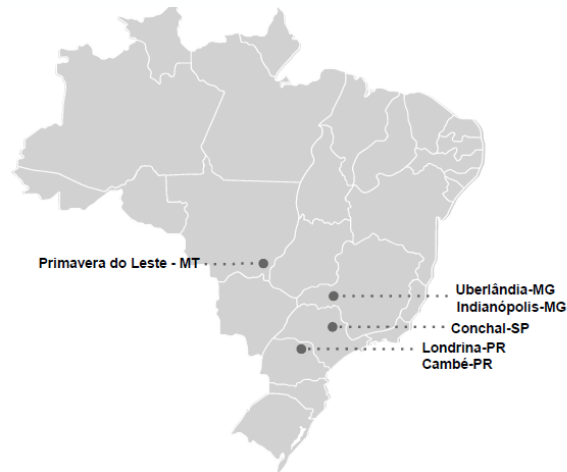
19/01/2021 Plantio photo: Jefferson Ferres



19/01/2021 Adubação de base photo: Jefferson Ferres



## Field



24/02/2023 photo Camila Francovig



02/02/2023 photo Jefferson Ferres



13/01/2023 photo Camila Francovig



29/01/2023 photo: Matias Santipolo



06/02/2023 photo: Camila Francovig





# Bio-Fertilizer

NFT Field trials – Corn (Brazil 2023)

February 24<sup>th</sup>



T2: Nitrogen 100%



T2: Nitrogen 100%



T8: Nitrogen 50% + NFT



T8: Nitrogen 50% + NFT

March 23<sup>rd</sup>



T2: Nitrogen 100%



T8: Nitrogen 50% +  
NFT



# Bio-Fertilizer

NFT Field trials – Corn (Brazil 2023)

April 6<sup>th</sup>



**T2: Nitrogen 100%**



**T11: Nitrogen 50% + NFT**

Stage: R1



**T2: Nitrogen 100%**



**T8: Nitrogen 50% + NFT**





# Soybean

WDS\* Experimental station Agrowiser (ASR)

Date: 18/02/2023: Experimental Station Agrowiser

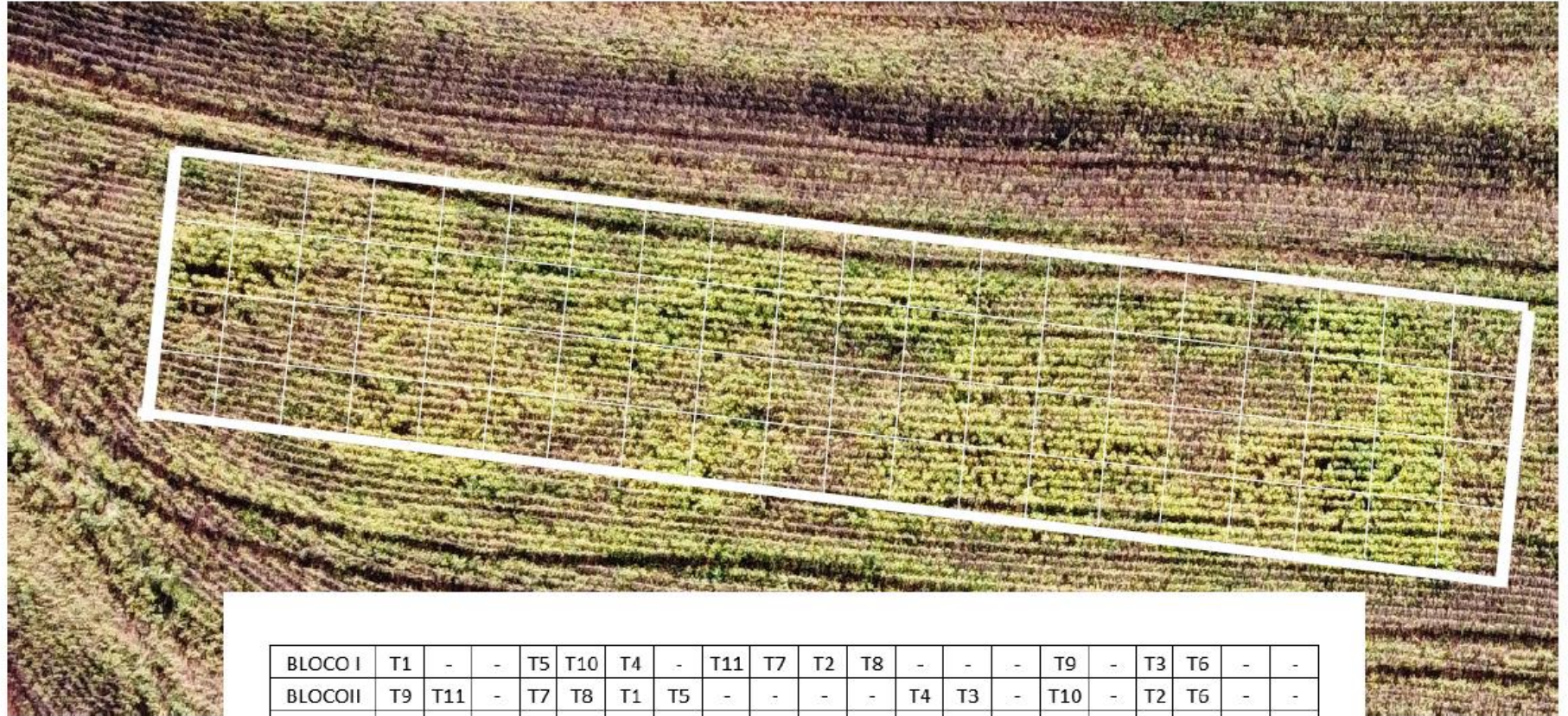




# Soybean

WDS\* Experimental station Agrowiser (ASR)

Date: 23/03/2023: Experimental Station Agrowiser



## Treatments

T1- Absolute control  
 T2 - Chemical control  
 T3 - Chemical control + WDS 0,5%  
 T4 - Chemical control + WDS 0,25%  
 T5 – Chemical control + WDS 0,125%  
 T6 – WDS 0,5%  
 T7 - Chemical control + WDS 0,5% + Bacillus  
 T8- Chemical control + WDS 0,25% + Bacillus  
 T9- Chemical control + WDS 0,125% + Bacillus  
 T10- Bacillus  
 T11- Chemical control+ Bacillus

BLOCO I	T1	-	-	T5	T10	T4	-	T11	T7	T2	T8	-	-	-	T9	-	T3	T6	-	-
BLOCOII	T9	T11	-	T7	T8	T1	T5	-	-	-	-	T4	T3	-	T10	-	T2	T6	-	-
BLOCO III	-	T1	-	T8	T3	T4	-	T6	T11	-	-	T9	-	T5	-	T2	T7	-	T10	-
BLOCO IV	-	T1	-	T7	T11	-	-	T5	T10	-	-	-	T4	T6	T9	T8	T2	T3	-	-



# Soybean

WDS\* Experimental station Agrowiser



T1 - Absolute Control (Without Applications)



T2 – Chemical Control



T7– Chemical Control + WDS 0,5% + *Bacillus* sp



T8 – Chemical Control + WDS 0,250% + *Bacillus* sp



T9 – Chemical Control + WDS 0,125%+ *Bacillus* sp

**Date: 22/03/2023**

**Physiological Stage: R6/R7**

\* 8 days after fourth Fungicide Application

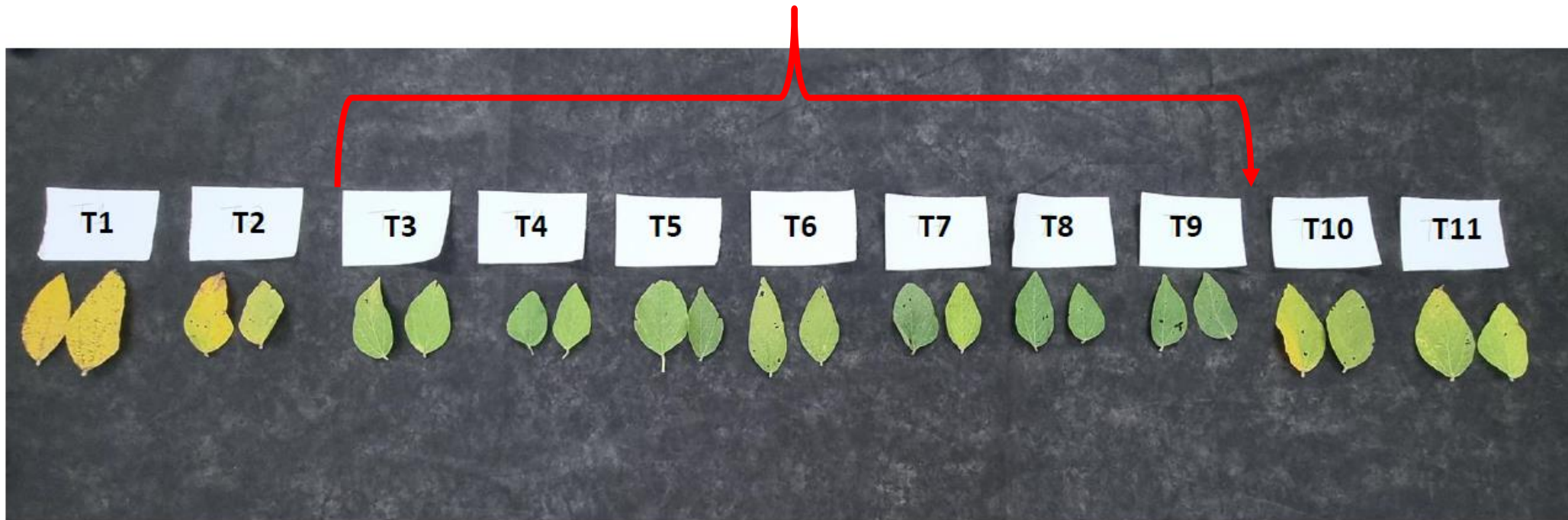


# Soybean

WDS\* Experimental station Agrowiser

Date: 22/03/2023

Treatments including WDS



T1 - Absolute Control (Without Applications)

T2 - Chemical Control

T3 - Chemical Control + WDS 0,5%

T4 - Chemical Control + WDS 0,250%

T5 - Chemical Control + WDS 0,125%

T6 - WDS 0,5%

T7 - Chemical Control + WDS 0,5% + *Bacillus* sp

T8 - Chemical Control + WDS 0,250% + *Bacillus* sp

T9 - Chemical Control + WDS 0,125% + *Bacillus* sp

T10 - *Bacillus* sp

T11 - Chemical Control + *Bacillus* sp



# Avocados (Israel): 2020 – 2022

WDS trials in Israel



***“ The WDS application saves me two years of growing and the additional cost of replanting; manpower and new plants.”***

***- quote from farmer***



# Field trials – Israel, 2023

WDS

Avocado trees



Paprika  
(*Lycopersicum* spp.)

Mango



Industrial Tomatoes



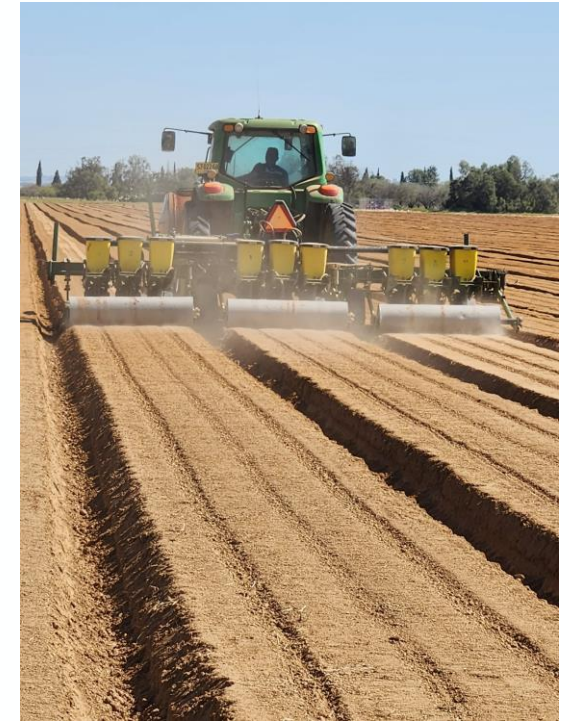
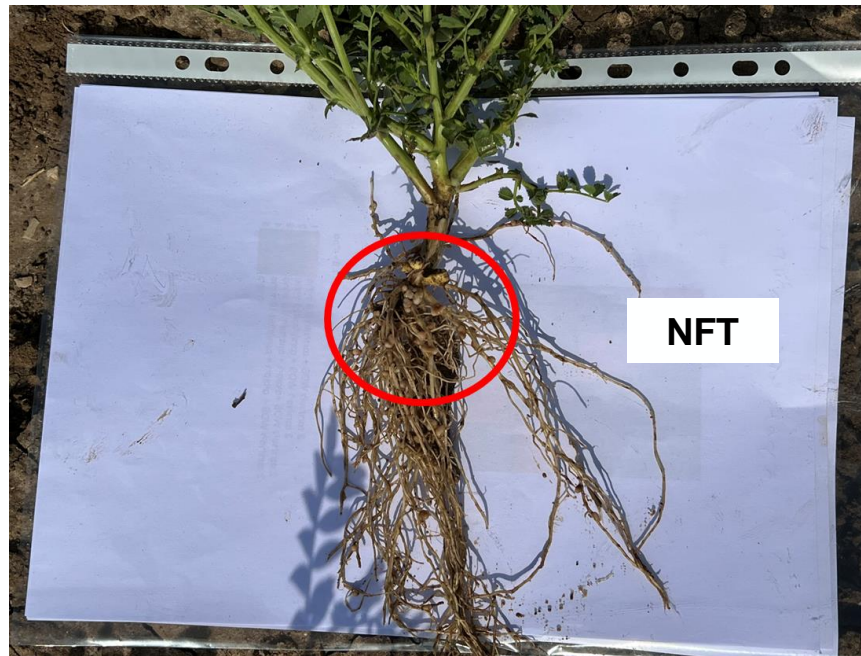


# Field trials – Israel 2023

NFT

NFT – Chickpea  
Fast nodules creation  
("Earlier nodulation"),  
concentrated in the taproot (main root)  
and close to surface

NFT - Chickpea



NFT - Peanuts



# Highly experienced and devoted team

Israel, Brazil, Spain, USA







THANK YOU!

