

# Agriculture is the last, and by far the largest sector to be digitized



\$500B Yield loss \$200B

**Near-farm waste** 

\$250B

Insurance gap

Industry lacks the **visibility** and means to support farmers with



**Knowhow** 



Resources



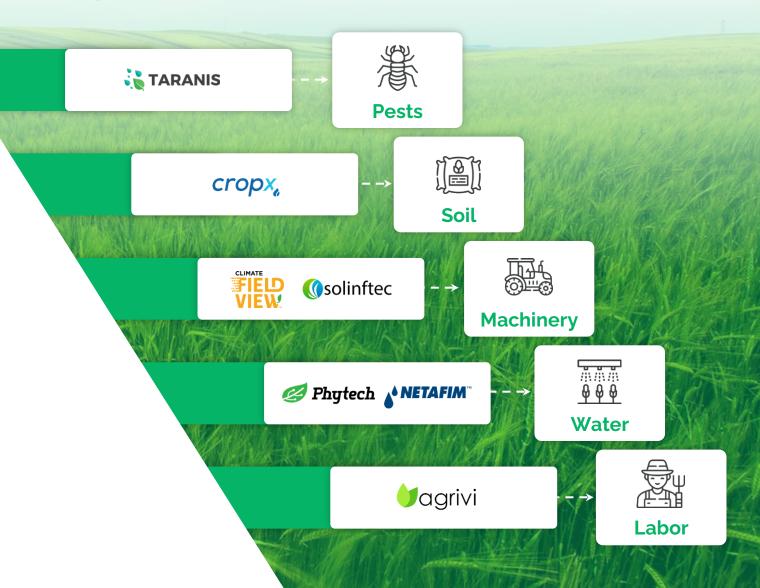
Risk

## The Technology Gap:



Point Solutions for Farmers vs. Agronomic Platform for Enterprises

- Siloed ag-tech solutions
- Complexity of agronomy (lots of dynamic parameters)
- Huge variability
   (between crops, geographies)
- Enterprise Barrier
   Lack of enterprise ready solutions



## The Opportunity: Food & Beverage

## 3

## Lack of Visibility Across The Food Value Chain



### **Disconnect with growers**

- Lack of visibility into grower operations
- Lack of communication to support farmers



### **Unpredictable Supply**

- Forecasting and monitoring yields
- Variations in supply times and quality



#### **Non-Sustainable Practices**

- Enforcing and monitoring sustainable practices
- Traceability from farm-to-factory- ensuring food safety

Supply Shortages and Delays

Suboptimal Grower Selection

Reputational Risk



# Agritask 🎾

offers a comprehensive,
Enterprise scale,
Agronomic Intelligence
(AgI) Platform for optimal
decision making within
Food & Beverage and
Ag-Insurance organizations



## **Empowering Key Industries**

Enabling optimized, sustainable practices.



### Food & Beverage

- Field & Grower Visibility
- Predictable Supply Chain
- Sustainability



#### Insurance

- · Accurate & scalable risk assessment
- · Underwriting, claims & policy mgt.
- Innovative risk models & policy design

35 Countries 250K Farms

2M

**Hectares** 

50+ Crops

## **Agritask's Value Proposition**

## Full visibility across the agri-food value chain



### Increased predictability

Generate alerts for gaps in planned vs. executed activities, estimate yields, planting and .harvest dates,



### Engage the supply chain

Facilitate collaboration between multiple supply chains, growers and additional stakeholders at each layer.



### **Operational cost savings**

Optimize growing operations, remotely monitor progress and growth, streamline production planning.



#### **Positive Impact**

Promote sustainable practices and certifications, monitor soil health, support regenerative agriculture.



#### **Streamline operations**

Digitize field protocols to gain immediate access to quality parameters during the growth cycle.



#### **Structured database**

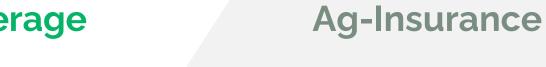
Create a spatial database of each farm in the supply chain, with flexible visualization and information layers.

## **Leading Customers**





## **Food & Beverage**



























## Making an impact



Direct Impact Supporting

300K Smallholder Farmers Enabling Climate Insurance Coverage to

46K

Growers

338K

**Hectares Farmers** 

**Certifications Supported** 









Recognition





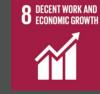


















## Agritask Cloud-Based SaaS Platform



#### Input layers

Mobile inputs









Remote sensing











Integrations









**70+** Integrations to Date

**Calculations & Algorithms & Al** 

**Output layers** 



Dashboards





**Structured** Layered **Database** 



Cross Data analysis



**Proprietary** Models



Insights



Alerts



Reports

**Configurations Manager** 

## **Agritask Solutions for F&B**





## **Interoperability**

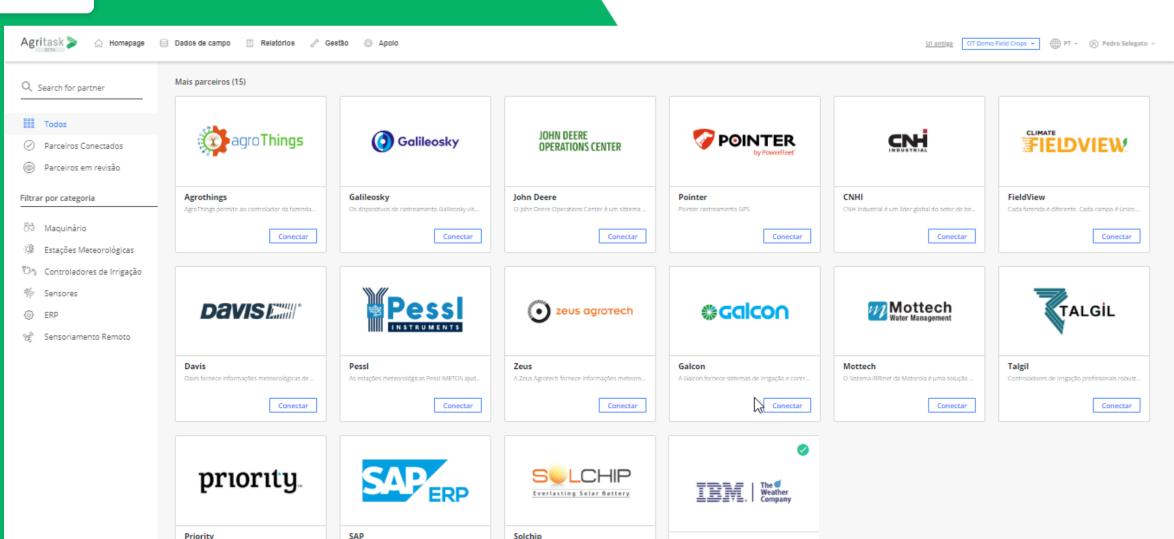
O Priority é um sistema abrangente e integrad..

Conectar

Mantenha-se competitivo com o padrão do set..

Conectar





é um fornecedor de sistemas de Internet das C.

Conectar

Última Conexão: 3 de Jul. de 2020 11:00

Última Atualização:

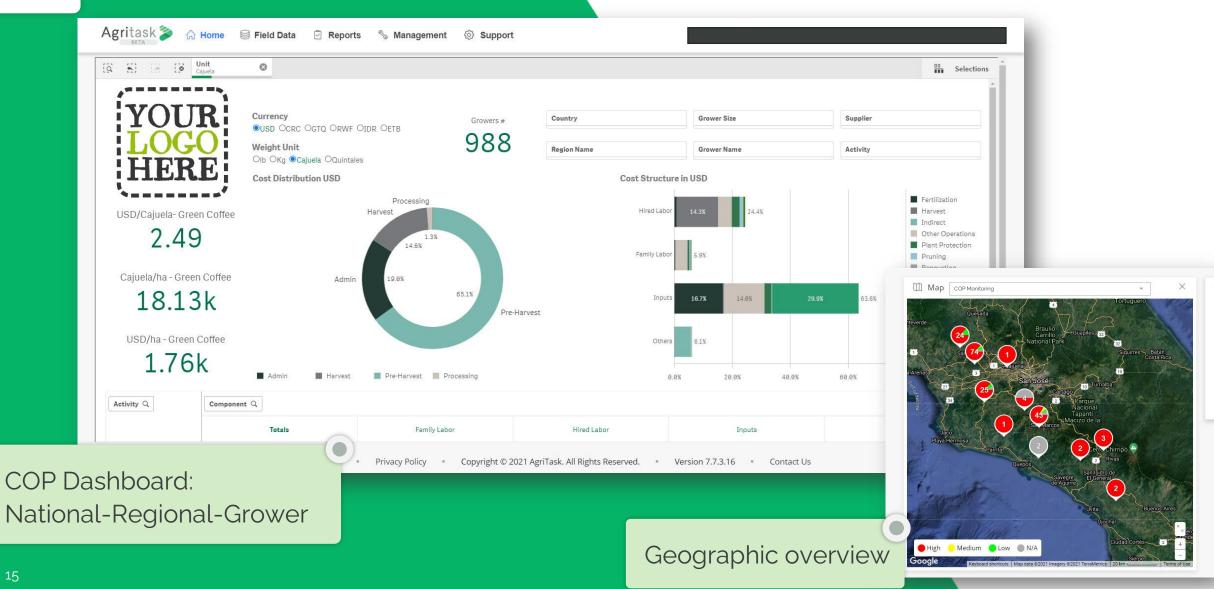
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## **Cost of Production**





## **Agritask Impact: Promoting Regenerative Agriculture**

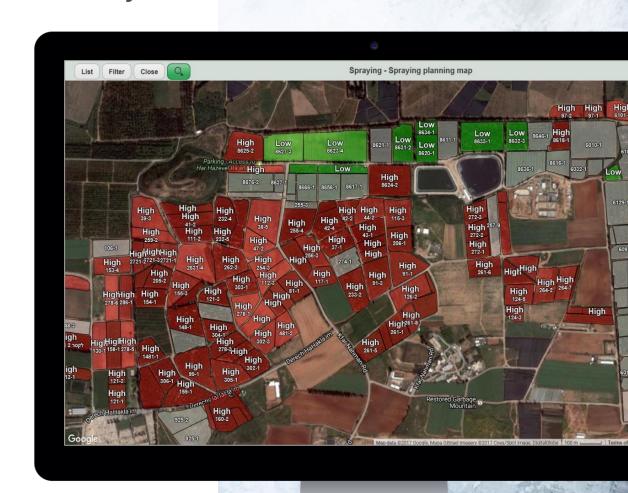


## ESG Compliance, Certification and Sustainability



### **Generate Positive Impact**

- Gain competitiveness in environmentally conscious markets
- Set, enforce and monitor sustainable KPIs and practices
- Acquire visibility over sustainability certification processes
- Speed up the auditing process
- Incentivize and assist your suppliers in adapting to the certifier requirements
- Open the doors to green investments into your business
- Traceability from farm-to-factory: ensuring food safety

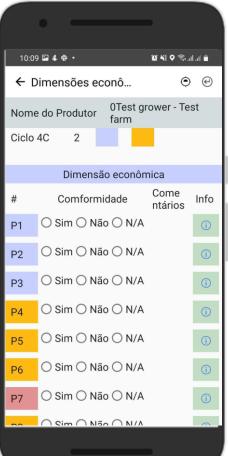


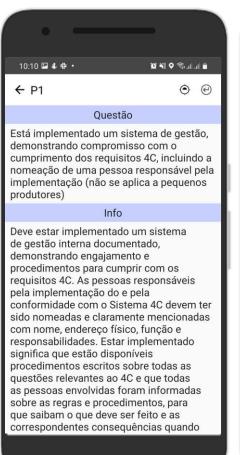
## **Certifications**



## Global G.A.P, 4C, Rainforest Alliance\*, etc











## Soil Health Monitoring



#### Soil analysis



 Farm Name
 00 Test Plot
 Sample ID
 F94512145-1-5

 Grower
 Test Grower F94512145
 C.A.F.E Parctices ID
 F94512145

 Sampling Date
 27.01.2021
 Report Print Date
 31.01.2021

 Notes:

#### **Description of Results**

Parameter	Unit	Result	Level
Acidez	cmol(+)/L	0.27	Low
Ca	cmol(+)/L	2.69	Low
P	mg/L	5.07	Low
K	cmol(+)/L	1.83	High
Mg	cmol(+)/L	1.0	Medium Lo

#### **Fertilization Recommendations**

Product	Fertilizer Recommendations			Ammonium Nitrate Kg/ha			Sultability
	Total Kg/ha	N. of Bags 45 kg	N. of Bags 50 kg	Total Kg/ha	N. of Bags 45 kg	N. of Bags 50 kg	Indicator
Optimal (66.0-12.8-13.7-6.7-0.8)	152	3.4	3.0	149	3.3	3.0	1
NPK CAFÉ (18.0-8.0-18.0-3.0-0.0)	228	5.1	4.6	326	7.2	6.5	112
YARAMILA HYDRAN (19.0-4.0-19.0- 3.0-0.1)	224	5.0	4.5	320	7.1	6.4	116
MOLIMAX CAFÉ (20.0-7.0-20.0-3.0- 0.0)	222	4.9	4.4	315	7.0	6.3	118
YARAMILA COMPLEX (12.4-11.0-18.0- 2.7-0.015)	246	5.5	4.9	357	7.9	7.1	1.31

#### Lime Application Recommendation

	PRNT 75	PRNT 80	PRNT 90	PRNT 98
Total Kg/ha of CaCO3	0	0	0	0
N. of Bags 45 kg	0.0	0.0	0.0	0.0
N. of Bags 50 kg	0.0	0.0	0.0	0.0

P205/ha 4.4
K20/ha 41.4
Mg0/ha 3.1

**Extraction By** 

Fiertilly Maps.

IBBS C1008F Hela Violat T20 Ca (Hatriont Naturalists (\* \*) 20000 Fi days age 15/712/2019 \*\*)

Care First Care Fiertilly Maps.

Soil Health Map

Monitored, geo-location traced soil sampling

Personalized soil treatment recommendations report

## Case study: End-to-end solution for Ag-buyer

**Crop:** Popcorn growers over 15K Ha

Project start: 2018

#### **Achieved Goals**

- Structured field monitoring
- Closer relationships with growers
- · Improved yield prediction model
- Implemented traceability
- Improve forecast

# Average 8% growth in supplier's yield after using Agritask





## **Bridging the Gap**

Enterprise Ready

**Enterprise scale SaaS** platform, fully integrative, configurable to proprietary and/or existing processes

Agronomic Intelligence (AgI)

**Big Data** hub for global agronomic data, insights and ag-models. Designed by **agronomists**, and configurable to any client/crop agronomic model

Industry Focused

**Tailored solutions** addressing key challenges in **Insurance and F&B** 

Sustainability in Mind

Supporting **Regenerative Agriculture**, carbon calculation, cost of production for fare wages, and **sustainability certification** management



