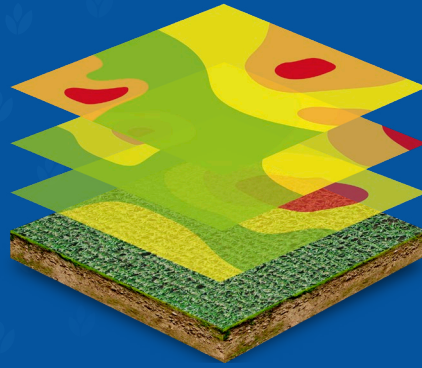




Technology for Professional  
Agricultural Management





## What limits the productivity of your crops?

Agriculture has a complex management. Several factors influence the search for excellent performance in the field.

In this complex scenario, a technological revolution presents itself as a solution in the most diverse stages of agricultural production. New tools, new technologies, new approaches to old and new problems. The use of these technologies is essential for those who seek the highest possible productivity since the results of the future cannot depend only on the technologies of the past.

Agronomic knowledge should not rely only on experience and presence in the field, but also on data and information collected in a precise and reliable way to be able to represent the variations of the crop.

Precision agriculture, a system that considers the particularities and variations of the crop, through several layers of information, is the tool for anyone who wants to understand the differences between the most and least productive areas, taking care of each one according to its potential.

**Falker develops the tools to  
the professional who seeks to understand what limits  
productivity in each part of your crops**

The most complete line  
of products for  
precision agriculture  
and digital agriculture





# PRECISION AGRICULTURE

Complete solution.  
From sampling to the map.



## Software for Maps Generation

Easily create fertility and recommendation maps for variable rate application.

Manage maps of various types, such as compaction, conductivity, NDVI and harvest.

- Simple, straightforward and intuitive
- Exclusive system of formulas
- PC or smartphone access
- Lower cost per hectare



## SoloDrill

### Hydraulic Soil Sampler

High operational capacity for soil sampling with quality for laboratory analysis.

Option for stationary engine or ATV's engine coupling. It can be installed in different types of vehicles.

- Robust and reliable
- Sampling quality
- Operation in several soil conditions
- Hydraulic command, electrical control or automated



## FieldBox

### Field Data Collector and GPS Navigation

Outline the areas, create sampling grids and navigate to the collection points in the field.

Interface for Automated SoloDrill, Flexum, FarmLink and Terram.



- Ease of use
- Robust 7" display
- Data transfer by flashdrive
- Work with grids or management zones



## Terram

### Soil Electric Conductivity Meter

It allows to know the variability of the crop in a fast way, mapping with high density of data the characteristic of the soil.

- Efficient in the field, compact in transport
- Allows use in different vehicle types
- Essential for creating management zones





# SOIL COMPACTION

## The 3 Dimensions of Soil Compaction



To understand and be able to act on compaction, a complete characterization in three dimensions is needed: **location, depth and intensity.**

**NEW**



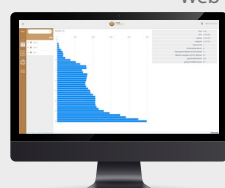
### penetroLOG Digital Soil Compaction Meter

Portable and precise equipment, ideal for spot measurements to identify the compacted layer during all phases of crop development.

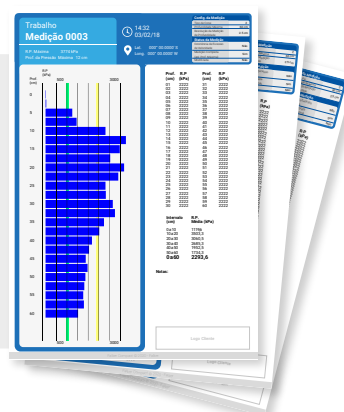
- Simple to operate and instant result
- Integrated GPS
- USB transfer and Bluetooth
- Results from every centimeter of the analyzed profile up to 60 cm
- Graphic display for fast reading
- Modern and robust design



An online system, with data saved in the cloud and sync between Web and App



Full reports for presenting measurements results



### SoloStar Automated Soil Compaction Meter for Large Areas

Equipment for performance in large areas. Efficient and robust, it can be installed in different vehicles.

- The best solution for compaction maps
- For large measurements quantity
- Fully automated operation

### SoloTrack Automated Soil Compaction Meter

Ideal for agronomic research works, it has the capacity for a large number of measurements with complete data of intensity and depth.

- Integrated battery
- Automated operation
- Ease and simplicity of use
- Integrated wheels for transport



# PLANT ANALYSIS



## clorofiLOG

Electronic Chlorophyll Content Meter

It allows to identify the state of the crops with agility, in a direct measurement on the leaf in a non-destructive process during any stage of the plant's development.

- Instant result
- Light and compact
- Allows to correct nutritional flaws in the crop development

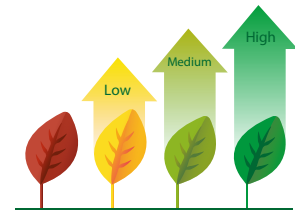


## Flexum

Active NDVI Reflectance Meter

It performs the optical analysis of the development and nutritional status of the crop during field operations, in any climatic condition.

It allows diagnosing problems for immediate fertilization adjustments.



- High data density for generation of high resolution maps
- Effective and practical
- Can be installed in several types of vehicles, taking advantage of operations already scheduled



# IRRIGATION CONTROL



## HydroFarm

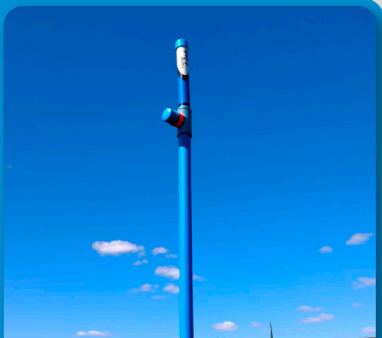
Electronic Soil Humidity Meter

Modern, practical and efficient solution to control irrigation and make a rational use of water resources, avoiding waste.



Humidity sensors for HydroFarm and FarmLink

- Direct analysis of soil moisture
- Can be used for various sensors
- Sensors can remain installed on the pivot

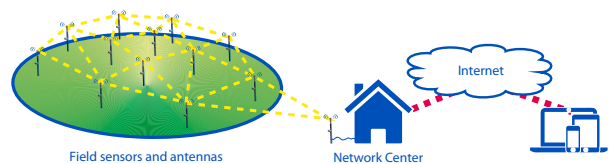


## FarmLink

Wireless Network for Soil Humidity Monitoring

Wireless sensor network to monitor irrigation continuously and remotely.

Control water use with instant information straight from the



- Sampling every 15 minutes
- Long range
- Intelligent network with multiple sensors

Falker is a technology company established in 2005, pioneer in solutions for precision agriculture and digital agriculture in Latin America. It carries in its DNA the innovative spirit of a startup and also maturity and recognition of who has been in the market for more than a decade and helped spread the concept of Agtech in Brazil. Those qualities guide the way we develop our products, services and solutions.

It has more than 1500 clients served, including agronomic consulting companies, rural producers, companies related to agriculture, universities, research institutions and teaching centers in all regions of Brazil.

Falker has been exporting since 2008, with its technologies present in 15 countries in America, Africa and Asia.



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