# Viridix

# SENSE
# ANALYSE
# ACT

**Viridix** is a professional precision irrigation decision support system that helps farmers irrigate based on data collected from the field

# Product Overview

**Powered by** the **RooTense®** sensor that collects highly accurate water potential data, in real time.
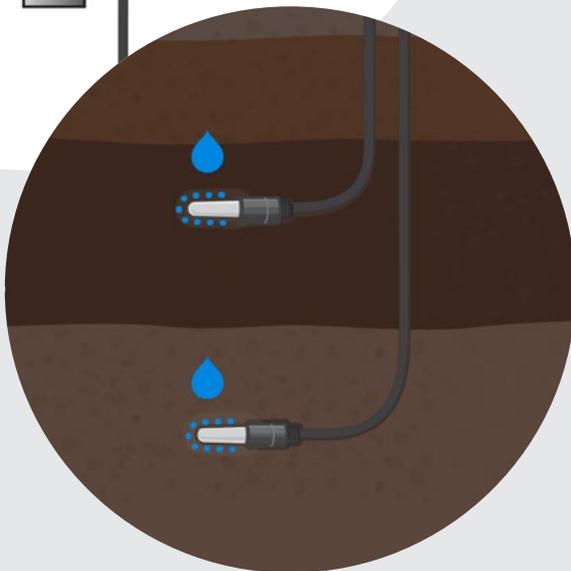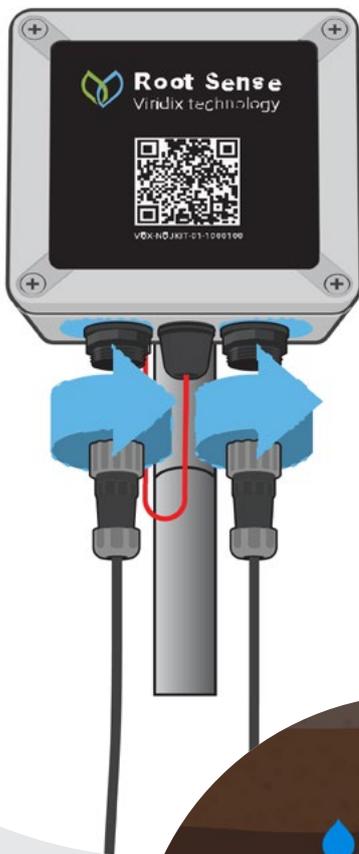
The data is **processed by an algorithm** that highlights every important event and displays them on the Viridix mobile app and website.

The System **provides the user with insights**, and options for alerts for important events.

Viridix

www.viridix.com

# RooTense®
# Artificial Root Technology

| | |
|---|---|
| Ground temperature | ✅ |
| Multi Depth Sensing | ✅ |
| All soil types | ✅ |
| All crop types | ✅ |
| All water types | ✅ |
| Maintenance free | ✅ |
| Horizontal or vertical installation | ✅ |

| | | |
|---|---|---|
| 💧 | Water potential range | **0 – 100 centibar** |
| 🌱 | Maximum depth | **Up to 150cm** |
| 🌡️ | Operating Temperature | **2-50°c** |
| 🔌 | Probe cable length | **3m** |
| ◎ | Accuracy | **+- 1%** |
| 📱 | Resolution | **5 millibar** |

# Viridix Connect

| | |
|---|---|
| Easy Installation | **10 Minutes and you're good to go, no additional accessories are needed** |
| Number of water potential sensors | **Up to 2** |
| Communication | **2G/3G/LTE Cat M1** |
| Solar panel | **6v/2w** |
| Extended Folding Pole height | **120cm** |
| Measurement Transmission Time | **Transmission 3-60 min Data sampling - up to every 3-12 min** |
| Weather and waterproof | **Robust outdoor enclosure** |
| Re-chargeable Internal battery | **Li-Ion 5200 mAh** |

Viridix

The digital

# Mobile App

**Mobile app** for easy installation

Easy to use interface

**Analyzes the sensors** data and gives
actionable insights that anyone can understand

**Analyzes irrigation** data over time

Monitors all fields in the organization

**Invite other users** to manage your fields

**Go to Sensor** through Google Maps or Waze

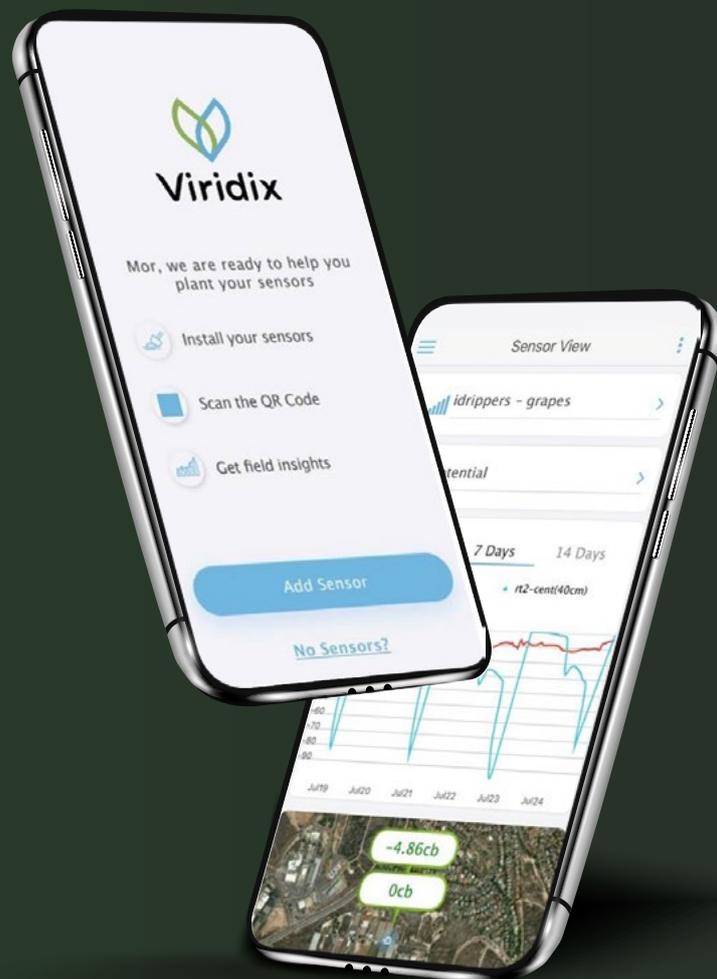Understand Field's status

**Weather forecast** & Realtime alerts

Download
Viridix App

 Apple

Android

The digital

# Mobile **App**

Good job! Now you can continue explore the app.

✓ Device Sent data    1 min ago

✓ The signal is ok    99 rssi

✓ Battery is ok

✓ Panel is Charging    5v

✓ Probe 1 updated    min ago

  Probe 2 updated

Test    Next

### Alerts

Field 1 – plot 2    1/1/2019
**Stress alert**
you should irrigate soon to avoid
stress or adjust threshold
yesterday

Field 1 – plot 2
**Weather forecast predicts he** 
wave
Consider boosting irrigation q
or frequency to avoid stress

Field 1 – plot 2
**Irrigation protocol changed**
Just letting you know

Field 1 – plot 2    1/1/2019
**Device , wasn't active for the last 2**
days
Go check if there is any physical
problem with this device.  click here
for tech support

Alerts  Fields  Plot  Sensor

### Alerts

**Stress alert**
you should irrigate soon to avoid stress
or adjust threshold yesterday
Field 1 – plot 2 •

**Irrigation proto**
Just letting you
Field 1 – plot 2 •

**Device , wasn't active for
the last 2 days**
Go check if there is any physical problem
with this device.
Field 1 – plot 2 •  one day ago    Go to graph

**Battery is running low**
Consider boosting irrigation quantity or
frequency to stress
Field 1 – plot 2 •  one day ago    Go to graph

**Irrigation protocol changed**
Just letting you know
Field 1 – plot 2 •  one day ago    Go to graph

Alerts  Fields  Plot  Sensor  Scan

### Fields

Last week ⌄    Severity ⌄

**Field 1**    ☀ 32 –19

Plot 2 Name
-80cb | Plot 3 Name
-20cb | Plot 4 Name
-30cb
Plot 3 Name
-20cb | Plot 3 Name
-20cb | Plot 3 Name

Plot 4 Name
-30cb

**Field 2**    ☀ 32 –19

Plot 2 Name
-80cb | Plot 3 Name
-20cb

☀ 32 –19

Plot 2 Name

Plot 2 Name
-80cb

The Software

# **Web Analytics**

• • • • Easy to use web
user interface

• • • • Soil water potential
historical graph

• • • • Multi Depth soil graph to
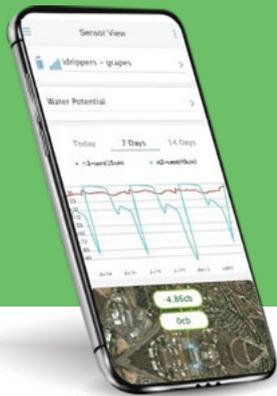visualize soil dehydration



• • • • Full satellite view of
all your fields

• • • • Invite other users to your
organizations' dashboard

• • • • SMS Alerts according
to important events

• • • • Weather

Viridix

# Mobile App
# & Web features



| Feature | Mobile App | Web |
|---|:---:|:---:|
| Easy to use interface | ✓ | ✓ |
| Soil water potential historical graph | ✓ | ✓ |
| Multi depth visual soil graph | ✓ | ✓ |
| Monitor all fields in the organization | ✓ | ✓ |
| Invite other users to your organizations' dashboard | ✓ | ✓ |
| Go to Sensor through Google maps or Waze | ✓ | |
| Easy installation guide | ✓ | ✓ |
| Actionable insights | ✓ | ✓ |
| Full satellite view of all your fields | ✓ | ✓ |
| Alerts | ✓ | ✓ |
| Weather | ✓ | ✓ |

**Viridix**

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