4000 SERIES CELLULAR RAIN STATION

WITH WATERSCOUT SOIL MOISTURE PROBE

MONITOR RAINFALL AND SOIL MOISTURE IN REMOTE FIELDS

The 4105 Cellular Rain Station is solar powered and can function wherever an LTE-M signal is available. Rain data is transmitted to our cloud software platform, SpecConnect, and also visible on the WatchDog Mobile App. The 8-inch diameter Rain Collector meets the specifications of the National Weather Service. The collector is freeze-proof and designed for years of accurate, trouble-free service. Includes U-bolts (2) for mounting to a 1.25" pole.

The WaterScout Soil Multi-Probe measures soil moisture (volumetric water content), soil temperature and soil EC concentration.

APPLICATIONS:

- Field-based rain and soil moisture data relates to crop yield
- Schedule field and job-site activities based on rainfall data
- Track soil moisture levels during grain fill period

FEATURES AND BENEFITS:

- Built-in solar panel
- Automatic selection of LTE-M or NB-IoT cellular communication at installation
- Easy, quick assembly and configuration through the WatchDog Mobile App
- Rain Alerts sent by text, email or phone call

WATERSCOUT®
SOIL MOISTURE PROBE

Measures Soil Moisture (Volumetric Water Content)
Measures Soil Temperature

Measures Soil EC (Electroconductivity) Concentration

Spectrum® Technologies, Inc.

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***Rev:** August, 2026*

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4000 SERIES CELLULAR RAIN STATION

WITH WATERSCOUT SOIL MULTI-PROBE

PRODUCT SPECIFICATIONS:

Rain Resolution	0.01in (0.254mm)
Rain Accuracy	±2% at < 2in (5cm) per hour
Soil Probe	Length: 10 Inches (25cm) | Cable: 16.4 Feet (5 Meters)
Soil Probe Range	VWC: 0% to saturation | EC: 0 to 10 mS/cm | Temp: -60 to 185°F (-50 to 85°C)
Soil Probe Resolution	VWC: 0.1% | EC: 0.01 mS/cm | Temp: 0.1°F (0.1°C)
Soil Probe Accuracy	VWC: 3% @ EC < 8 mS/cm | EC: ±2% | Temp: ±1°F (0.6°C), T > -25°F (-30°C)
Operating Temperature	-40° to 185°F (-40 to 85°C)
Cellular Radio Band	LTE-M and NB-IoT (auto-selected)
Power Source	3,000mAh rechargeable Li-ion battery with integrated solar panel
Sampling/ Transmit Interval	15 Minutes / 1 hour

** VWC = Volumetric Water Content of Soil | EC = Electrical Conductivity of Soil (Salinity)*

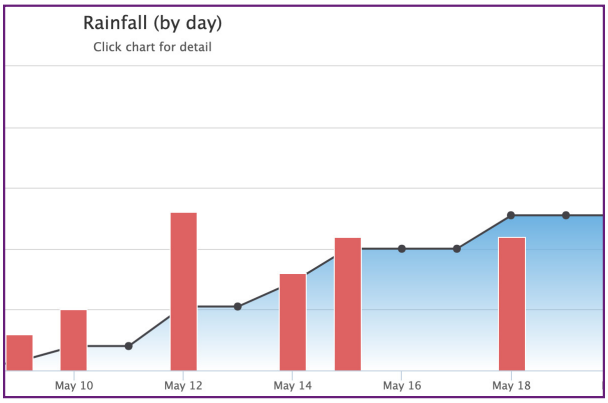
DATA VISUALIZATION:

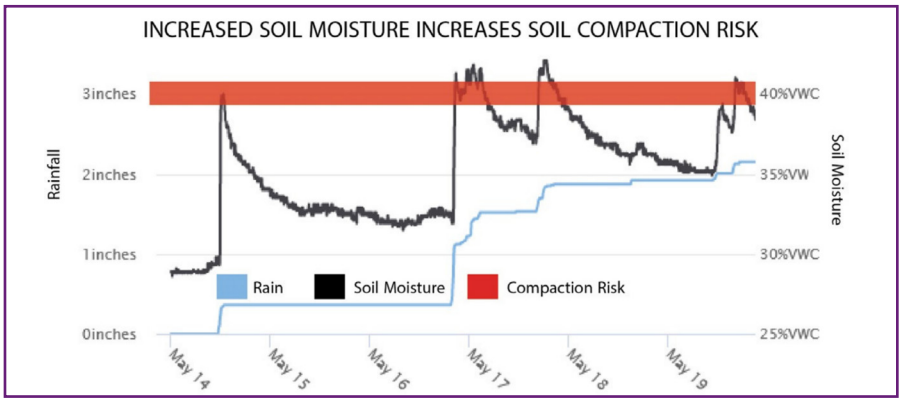
SpecConnect

Designate farm and field locations, create and share rainfall reports and soil data charts, set rain alerts and much more.

RELATED ITEM NUMBERS:

4121BETA	Rain Station w/ 10” Soil Probe
3023	SpecConnect Pro Mini LTE-M
3000	SpecConnect Setup Fee
3396TPS	Tripod w/ Stakes
3070	Alert Function (1 year)





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