Green = Nitrogen

Chlorophyll Meters

Research supports the correlation between SPAD measurements and the nitrogen in your leaf. Support and defend the health of your plants.

SPAD 502 Plus Chlorophyll Meter (2900P)

Quantifies the health of your crops.

• Instantly measures chlorophyll content or "greenness" of your plants on a scale of -9.9 to 199
• Non-invasive, non-destructive measurement
• Trend graph stores and displays up to 30 measurements
• Water resistant design (IPX4)
• Compare in-field SPAD readings to university guidelines
• Research shows a strong correlation between SPAD measurements and leaf Nitrogen content
• Available with or without a built-in data logger
• Includes hard carrying case and batteries

SPAD Data-Logging Model (2900PDL)

All the features of the 2900P, plus:
• Connects to any GPS receiver that has a serial output option*
• Equipped with internal data logger and RS-232 port
• Records 4,096 measurements (1,488 with added GPS/DGPS option)
• Configure and download meter with FieldScout® software (included)**

* GPS interface requires two cables. The GPS/DGPS cable (item 2950CV5) is available from Spectrum.
  A PC serial interface cable supplied by the manufacturer of the GPS receiver is also required.
** PC cable connects to a computer USB port. See our website for other cable connection options.

2900PDL	**Minolta SPAD 502DL Plus Chlorophyll Meter with RS-232 Data Port and Built-In Data Logger (includes software and USB PC cable)**
2900P	**Minolta SPAD 502 Plus Chlorophyll Meter Basic version, no Data Logger**
2950CV5	**GPS/DGPS Cable**
2900CASE	**Replacement Hard Carrying Case**

Non-invasive measurement with readings in less than 2 seconds

SPECIFICATIONS FOR SPAD 502 PLUS

Optical Density Difference at two wavelengths: 650 nm and 940 nm

Measurement Area: 2 mm x 3 mm (Approximately 3/32 in x 1/8 in)

Light Source: 2 LEDs

Receptor: Silicon Photodiode

Power Source: 2 AA alkaline batteries (1.5V)

Repeatability: Within ±0.3 SPAD unit

SPAD Value: Index of relative chlorophyll content; -9.9 to 199