



# 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.



Non-invasive measurement with readings in less than 2 seconds

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

### 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