

# Plant Sap Calcium Meter

**Convenient in-field tool for measuring crop calcium levels.**

Adequate calcium is essential for cell division, cell-strength, flowering and fruit set. Calcium is also essential for plant resilience, reducing pest and disease pressure, as well as improving post-harvest condition. Typical deficiencies include stunted roots, leaf deformity, and fruit-quality conditions such as blossom-end rot, cavity spot and “bitter pit”. The Plant Sap Calcium Meter gives growers the opportunity to monitor plant calcium levels in-field. Crop calcium levels can be boosted via supplementation at the first sign of a draw-down, therefore preventing deficiency symptoms.

## BENEFITS

- In-field calcium measurement.
- Instant results; calcium requirements can be addressed faster.
- Measurement range 40 to 4000 ppm (mg/L).
- Automatic temperature compensation.
- Replacement sensor available.
- **Note:** Published crop specific data is limited as this is a relatively new research area. However, comparing data in your crop from season to season while noting yields and insect pressure, as well as making comparisons on sap nutrient status between healthy and suboptimal crops/plants, and comparing young and old leaves, can provide valuable information for fine tuning fertiliser inputs and correcting imbalances.

## PACKAGING:

350 g

Product Code:  
METCA



**MONITORING  
METERS AND  
EQUIPMENT**



# Plant Sap Calcium Meter

## OPERATING GUIDE

Perform a 2 point calibration following the instructions in the instruction manual. Recalibrate before each use (once only if performing several measurements).

## SAP TESTING PROCEDURE

- Apply a few drops of freshly extracted sap solution to the electrode chamber ensuring that both electrodes are covered with solution. Wait for a stable reading.

## IMPORTANT

- When not in use keep the unit free from dust inside the storage pouch with the plastic cap in place.
- **Warning:** The electrode chamber has a thin glass backing – take care while using and cleaning to avoid damage.

## PACK INCLUDES:

- Meter
- Sensor
- Storage case
- Batteries
- Calibration solutions (150 ppm and 2000 ppm)
- Pipette
- Sampling sheets x 5
- Full instruction manual

## ACCESSORIES AVAILABLE:

- **Replacement Sensor**  
Product Code: METERCA
- **Calcium Standard Solution Set**  
Product Code: METERCASOL

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