



Mastitis is one of the most common diseases in dairy cattle, and the most costly one to the dairy industry.

However, when infected with subclinical mastitis, a cow does not show any visible signs of infection or abnormalities.

Typical detection relies on the physical examination of the udder and/or laboratory tests of the milk, both are often costly or untimely.

FastMast device is:

- Fast & Accurate
- Low-cost
- Easy to use

It detects mastitis before visible symptoms appear and allows daily monitoring of cow's health and milk quality.





Water and fertilizers are the most important inputs in the crop production. Timely knowledge of the exact needs of the crops is vital to optimization of the agricultural production, increasing yields and reducing risks and expenses.

Plant-O-Meter:

- Measures over 20 different plant indices (NDVI, SIPI, GCI, SR...)
- Connects to any smart phone
- Provides geo-referenced data
- Calculates nitrogen needed by the plant
- Allows large-scale nitrogen-mapping
- Low-cost and accurate

Nitrates are essential plant nutrients, but excess amounts in surface water leads to plant and algae growth. This causes low levels of dissolved oxygen and eventually fish kills.

Nitrates in water are not easy to detect without testing since they are colorless, odorless, and tasteless.

NitraSense:

- In-field detection of nitrate in surface water
- Measurement is done within minutes
- Simple sample preparation and easy to use
- Reliable measurements

