



CropVIEW®

WEATHER, GROWTH AND YIELD PERMANENTLY UNDER CONTROL

CropVIEW®: The New Agricultural Information with RECIM® (Remote Crop Image Monitoring) inside

CropVIEW® is an agricultural information system which periodically sends high resolution photos of farmland. The photos are automatically uploaded onto our customised internet platform, thus allowing a continuous view of crop development, quality and yield.

It can be used for:

- Checking the germination of seeds
- The effect of fertilizers
- The effect of pesticides
- Crop development
- Disease or pest threats to profitability

This innovative agricultural information system guarantees daily control of the development of your plants and fruits. High resolution images and local environmental data (air temperature and humidity, precipitations, leaf wetness) can be viewed daily and analysed over time without any additional effort. Thanks to the high resolution pictures, the system can be used for both extensive crops (corn, soya-bean, sunflower) and fruit or grape orchards. An intelligent combination of many years of experience and of latest technology allows us to bring to the market this revolutionary product that features:

- 10 Megapixel resolution images
- Integrated environmental data measurement
- Easy installation
- Cloud data storage
- Timed pictures stored for further analysis
- Ongoing quality control of plants
- High-resolution scale bar daily updated with close-up views of flowers, leaves and fruits
- Excellent value for money
- Personalized web interface



CropVIEW®

CropVIEW®?

CropVIEW® can be used in all areas where UMTS (3G) works. Devices can be easily installed together with iMetos® weather stations or by using the normal PESSL Instruments installation pole. The system works by using the station's battery and solar panel without the need of any additional infrastructure.

After installation, CropVIEW® is already fully operational.

What is the benefit for me?

The possibility to have a close-up view of your fields allows for timely response to crop needs and simplifies crop management especially where farm size is extensive. In addition to this, extension services, cooperatives and big organizations can support their farmers and customers by giving access to a platform where data for different plots are available thus allowing better forecast of crop status. CropVIEW® can also be used as a way to promote local cropping to final customers of food chains and specific producers.

Technical details

- Camera module: stainless steel holder
- Power supply: 6 volts battery with solar panel
- Cortex M4 processor with integrated communication module
- Camera and optics: MT9J003 10 Mega Pixel 2/3" CMOS sensors – Optics DSL377A-65 F2.8 lens with 2,5 mm focal length and DSL901J-650 F3.0 lens with 2 mm focal length

Additional sensors:

- Pessl Instruments tipping bucket range gauge 0,2 mm (0,01 inch) resolution
- Pessl Instruments leaf wetness sensor
- Pessl Instruments soil temperature sensor
- Hygroclip 2 – Air temperature and relative humidity

All technical data is not binding and can be changed any time without prior notice.