

New

clorofiLOG

CFL 2060

Digital Chlorophyll
Content Meter



 **FALKER**

Benefits

clorofiLOG

CFL 2060



Precise and non-destructive measurements

clorofiLOG has a unique technology that analyzes 3 light frequency bands and provides a detailed analysis through quick measurements. The results are highly correlated with the ones collected in laboratory, with the advantage of being obtained instantly in the field. Furthermore, measurements can be made continuously on the same leaf in order to follow the plant's development.

Agility in decision making

clorofiLOG makes it possible to monitor the nutritional status of the plant during the development, not just between one crop and another. The measurements can be quickly made with the plant alive and without damaging it. Thus, the producer can make decisions before serious effects occur. This is very useful, for example, for annual crops - like wheat, maize and rice - or even for semi-perennial crops like sugarcane.

Possibility of input saving

The chlorophyll content in the leaves is proportional to the amount of nitrogen absorbed. With clorofiLOG it is possible to discover which areas of the crop are lacking nitrogen and which already have satisfactory levels, avoiding waste and reducing expenses with unnecessary fertilization. The farmer will apply the dose in the correct measure according to the needs of the plant, neither too much nor too little.

The chlorophyll

Chlorophyll is the pigment that gives plants a green color and is essential for photosynthesis, and therefore for the plant's life. It is from photosynthesis that the plant obtains energy to grow, develop leaves and fill grains.

Why is it important to measure the chlorophyll content?

To monitor and correct fertilization according to the real needs of the plant throughout its development. The chlorophyll content is proportional to the nitrogen absorbed, which is one of the three fundamental elements in agriculture and is essential for productivity. Therefore, measuring chlorophyll content is an indirect way of measuring nitrogen absorption.



Applications:

Standardize the development of the field by adjusting the nitrogen fertilizer doses

Establishing calibration curves to reach maximum potential in specific cultivars

Fertilization recommendations after establishing reference areas and sufficiency indices

Confirming suspected nitrogen deficiencies non-visually detectable

Cultures where is essential to monitor the chlorophyll content

It is possible to use the results of the Chlorophyll Content Index in the most varied cultures to optimize the use of nitrogen according to the needs of the plant, increasing productivity, and reducing costs.

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+ PRATICALITY

All your maps and history in only one App

+ TECHNOLOGY

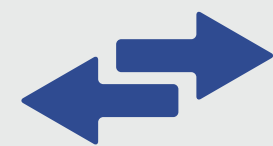
Attached GPS for georeferencing

+ DESIGN

Compact and safe in agricultural handling

+ CONNECTIVITY

USB and Bluetooth connection for integration with the App



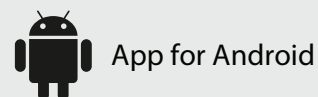
Web



Software

The collected data can be transferred to the computer with the help of the software accompanying the product.

The software is easy to use and allows exporting information to other programs and the visualization of data graphically or numerically.



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Technical Specifications

Measurement Scale	0 to 100 ICF
Measurement Resolution	0,1 ICF
Duration of a Measurement	Less than 2 seconds
Memory capacity	Up to 20.000 measurements
Reception Area	9 mm ²
Measurement Leaf Area	50,3 mm ²
Temperature Compensation	Yes
Operating Temperature	0 a 50°C
Power Supply	Internal rechargeable battery
Autonomy	> 20 hours of use
Battery charging	USB-C Conector*
Indications to the User	Graphic LCD screen with backlight Sound Indication
Keys	4 for operation, 1 on/off
Equipment weight	275g
GPS	Integrated
Communication	USB or Bluetooth
Connection App	Falker Leaf
Languages	English, Portuguese and Spanish

*Compatible with cell phone chargers. The charger is sold separately.



Included Items

Protection case

Security strap

Guarantee document

USB communication cable



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