



Priva TopCrop Monitor

Introduces the plant as the starting point



For many years, controlling crop growth in greenhouses has been carried out with the same traditional methods. The ambient climate of the crop is monitored closely, and if the situation calls for it a specific action is applied - for instance increasing a screen gap. With Priva TopCrop Monitor, Priva is introducing an intelligent solution based on what is happening in the plant, rather than in the crop environment.

For you as a grower, the advantage of this new method is that you no longer need to base your cultivation actions solely on analysis of the environmental factors for your crop. Thanks to Priva TopCrop Monitor, you can have a continuous picture of what is actually happening in the plant. This direct feedback gives you greater control over crop activity and the development of the crop, which ultimately results in a higher yield.

Analysis of plant transpiration

Priva TopCrop Monitor visualises crop activity based on an analysis of plant transpiration. A plant temperature sensor measures the temperature of the crop and then plots it against the temperature in the greenhouse. This produces a reliable representation of crop activity.

Insight into crop activity

To provide comprehensive insight into the activity of the crop, Priva has developed a user-friendly crop activity scale running

from 0 to 100. At 0, the crop is very passive and the plant is transpiring very little, if at all. The result is a generative crop. At 100, on the other hand, all the energy is being converted into transpiration and the crop is vegetative. At around 50, there is a balance between transpiration and rise in temperature.

Linking controls to measurements

Priva TopCrop Monitor gives growers like you a new control instrument for regulating your settings even more effectively. For the best results, it is important to first carry out measurements for a period and to carefully analyse the TopCrop Monitor graphs. In this way, you can make connections between specific actions and an increase or decrease in crop activity. Based on this insight, you can link controls to the measurements, such as increasing ventilation a little if the graph shows that the crop is becoming too inactive.



Reliable support

Priva TopCrop Monitor consists of three components: the Priva TopCrop control module (software), the Priva Plant Temperature Sensor (infrared camera) and the Priva Measuring Box, which is already in use at many greenhouse horticulture companies. Priva TopCrop Monitor works in conjunction with the Priva Connex process computer and is available from the Connex 906 software release onwards. If you decide to work with Priva TopCrop Monitor, you can count on expert and committed support to help get you started.

Priva TopCrop Monitor provides continuous insight into crop activity. This direct feedback is an easy way of giving you greater control of the development of the

crop. This means that the condition of the crop will be improved, which ultimately results in a higher yield.

Benefits Priva TopCrop Monitor

- Focuses on the plant as the starting point
- Continuous insight into crop activity
- New control instrument to improve the regulation of your settings
- Higher yield per square meter
- Expert and committed support to help get you started

Would you like to know more about the possibilities of Priva TopCrop Monitor? Please contact your Priva partner or send an email to frontoffice.agro@priva.nl or call +31 (0)174 522 600.

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