Delphy

Worldwide Expertise for Food & Flowers

There are a lot of new developments going on, be sure to contact your consultant or Delphy Digital to be up to date on the latest developments!

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Digital management of your cultivation
Optimize your cultivation by using your own data!

Data is becoming more and more important in the agricultural sector. New techniques make it possible to exchange data easier and faster. Besides this, more and more sensors become available to help you measure crop development and important environmental factors. Delphy Digital uses data from your cultivation to develop smart solutions for your crop management. Data-driven models and systems translate data into advice and actions for optimizing cultivation management.

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The added value for you

For years, cultivation and decision models are used by growers and consultants under the name QMS, Quality Management System. Data is gathered, analysed, presented and used to determine the optimal cultivation strategy. The data that you make available is converted into predictions and advice with the help of smart models and artificial intelligence. Considerations on strategic, tactical and operational level is supported by the use of all relevant data. With the use of QMS there is continuous monitoring of the cultivation, errors are prevented and deviations are being noticed earlier.

By support of these models cultivation managers are able to manage larger areas without compromising on quality. With this Delphy Digital creates added value for your company!

Greenhouse horticulture

The high-tech greenhouse horticulture offers different possibilities for data-driven applications. QMS tomato, cucumber, chrysanthemum, strawberry, lily and phalaenopsis in pot plants are known and used applications. More and more data is available from the greenhouse. Besides the measurement of climate, crop development can also be measured more accurately. The increasing amount of data makes the interpretation more intensive and complex. By analysing the data using advanced models, your data can help you make important decisions in the cultivation process. Such as making, implementing and managing a structured cultivation plan. In addition, by bringing all the relevant data together the cultivation process can be monitored always and everywhere.

And last but not least, it is possible to manage your cultivation autonomously while a Delphy consultant proactively monitors the process.

Tree cultivation, fruit cultivation, flower bulbs and field vegetables

All the data of your company can be used to optimize your cultivation. Through different modules in QMS your data is analysed and with dynamic models a crop specific prediction is generated. Examples of models in tree cultivation are a warning model for diseases and insects which gives an optimal spraying moment or an irrigation planner. In the fruit cultivation, your data is translated into harvest forecast, warning models for diseases and insects, irrigation advices (QMS water) or crop load prediction to achieve the right fruit set or thinning.

Arable farming

In arable farming, there is already a lot of data that can be collected and on which a management advice can be given. Through sensors, yield potential, ground- and crop analyses data-driven decisions can be made. Hereby the central question is: which data is relevant for management optimization and how to translate this data into the right actions? Explicit research is done to test models and make them ready to implement on your farm. Examples are place specific applications of fertilizers, crop protection agents and customized work with regards to tillage.