

Press Release

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365Active System provides automated documentation during work in process Document organic fertilization and harvest of roughage in a secure, quick and simple way

- **Write down 75% less data thanks to automated documentation**
- **Document organic fertilization immediately during application and have all information available for cc-tests**
- **Document harvest of roughage in detail – from field to silo including weighing data and dry matter content**
- **Automated system for documenting activities during the course of the harvest year: soil tillage, sowing, care activities, organic and mineral fertilization, plant protection and harvest**

In order to meet cross compliance obligations and other documentation requirements, farmers need a simple tool for providing a simple yet complete documentation. A detailed documentation is time-consuming and mistakes in the implementation and costs occur at the latest at the time of audits. However, a complete documentation also helps to present machine hours and billing activities in detail.

The 365Active System of 365FarmNet enables the farmer to document all activities simply, fully automated and immediately while the measure is in progress: simply drive off and check and confirm the corresponding entry in 365FarmNet at the end of the operation. The 365Active System already covers the following activities during the harvest year: soil tillage (i.e. plowing, ripping, harrowing), sowing, care activities (i.e. rolling, hoeing, currying), organic and mineral fertilization, plant protection and harvest.

Reliable documentation of organic fertilization directly at the time of application

365Active provides automated data capture during the application of nutrients, no data gets lost, rides and quantities of nutrients are recorded reliably in the platform. Storage capacities and nutrient composition are selected once in the platform prior to the measure and are summarized with the data automatically documented during the activity into postings.

The only person involved in this process is the driver who does not have to perform any actions. The collection of data is based on a tablet PC in the cabin of the tractor, the 365ActiveBox on the manure barrel and a 365ActiveBox on the manure storage tank. The box on the barrel continuously sends a Bluetooth signal to the tablet located in the tractor which sends the

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collected data and positions via GSM to the 365FarmNet platform. This way, the information is collected and shared in real time based on GPS positions, previously defined plots of land and the recognized 365ActiveBoxes. The combination of “manure storage tank”, “tractor”, “slurry tanker” and “plot of land” (saved in the field boundaries) implies the activity “application of liquid manure”. The measure is documented in an automated manner.

ActiveLog documents the harvest of roughage including dry matter content and weighing data with just a click

Thanks to the expansion of the system by the function *ActiveLog* also harvesting processes can now be recorded digitally and documented in an automated way. Both during the harvest of silage maize and green fodder all drives with harvesters and the loadings of carriages are recorded, documented and combined with weighing data and data on dry matter content into summarized postings.

The dry matter content can be either transferred directly from the shredder to 365FarmNet or imported as laboratory data in CSV format. The documentation using the 365Active System in the harvest chain works similar to the application of organic fertilizers. The harvesting equipment is fitted with a tablet PC inclusive of the 365Active app and the loading carts are equipped with 365ActiveBoxes. Additionally, the weighing slab will be mounted with a tablet PC including an app. The app on the harvester documents all activities of the loading cart and via the tablet the slab it records the stay at the weighing slab, too. These data will be immediately transferred to the 365FarmNet platform. Subsequently, the weighing data can be imported as CSV files into the platform. By comparing the weighing data, the combination of vehicles can be clearly assigned to a weighing result.

What is the 365Active System?

The 365Active System is able to automatically record times and information about machines and activities with minute-to-minute precision, securely document in an automated manner and analyze them in detail for the improvement of operations. Who (driver), when (date, time), where (plots of land), how (machine and implement) and how long (duration).

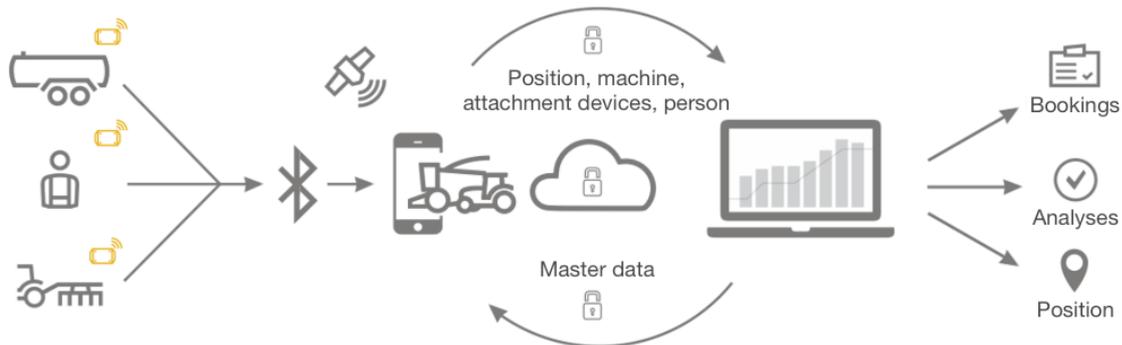
The system consists of 365ActiveBoxes, the 365Active app and the component *ActiveDoc*. Additionally, it is also possible to use ID chips in the system. The boxes are mounted on implements and possibly loading points, the 365Active app is installed on towing vehicles. The app is sending the data recorded from this combination to the 365FarmNet platform. The

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component *ActiveDoc* will process the data and generate automatic posting proposals. Moreover, the application will provide detailed evaluations of all the activities.



Write down 75% less data thanks to automated documentation

Due to the automatic posting proposals concerning soil tillage, mineral and organic use of fertilizers, sowing and phytosanitary measures, farmers are able to reduce three quarters of all manual entries in the harvest year. Thus, they save time using the automated documentation. Many activities are documented in a fully automated manner. At present, for some other activities, such as phytosanitary measures, the plant protection product and quantity still have to be recorded manually.

As a whole, the automated documentation enables an in-depth review of all measures and ensures a high-quality database. Evaluations of time recordings concerning work hours, downtimes and travel times show efficiency potentials with regard to machine utilization. The calculation of machine costs allows for a precise cost posting of the operations. The detailed and reliable tracking ensures a proof of the activities and improved billing.

ActiveLog allows for an automated documentation of further activities, this saves a lot of time. The greatest benefit of the application is however in the considerably improved transparency of the process chain making each load and the harvest location easier to track which therefore ensures consistent quality.

For more information on 365FarmNet please refer to: www.365farmnet.com

For more information on 365Active please refer to:
<https://www.365farmnet.com/en/product/365active-system/>

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