

Smart management for top forage quality



Smart management for the best quality forage



All information on technical data, dimensions, weights, output, etc. and the images shown, are approximate and are not binding. The machines shown do not feature country-specific equipment and may include equipment that is not supplied as standard, or is not available in all regions. Your PÖTTINGER dealership would be pleased to provide you with more information.

HARVEST ASSIST from PÖTTINGER is the latest take on forage harvesting. The app schedules, controls and networks all processes: From displaying fields and guiding machines by sat-nav to coordinating unloading in the clamp. Intuitively and efficiently, it answers the question: “Who does what, where and when?” It provides real-time forecasts of grassland yields, displays the location of bales, swaths and their status, and at the same time enables in-depth analysis of machine performance and data from the field.

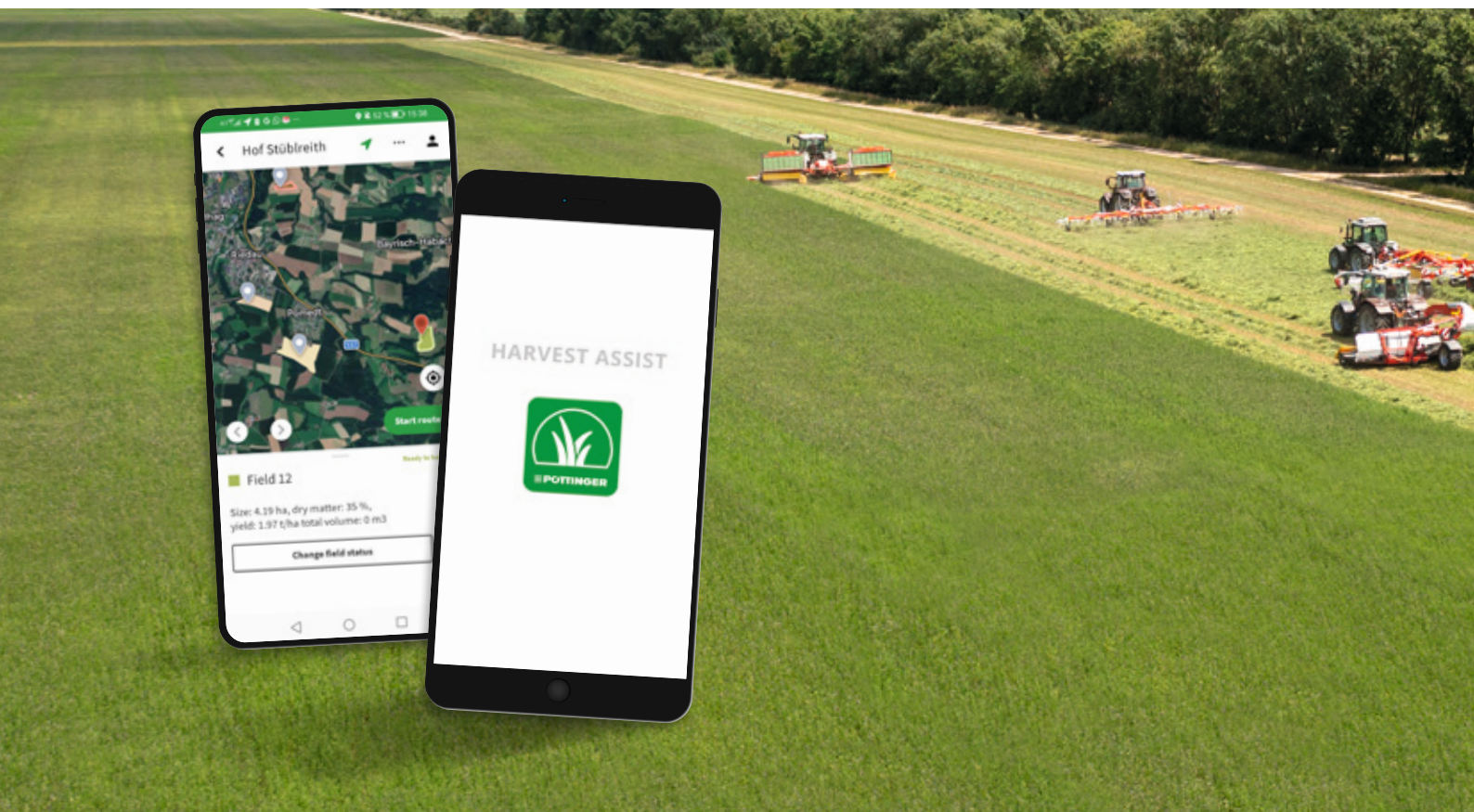
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Scan the QR code to download
HARVEST ASSIST now.

An app for the best forage



The HARVEST ASSIST app

HARVEST ASSIST helps control and coordinate the harvesting process efficiently: Mowers, tedders, rakes, mergers, loader wagons and balers work together smoothly using the app. It ensures a consistent, synchronised flow of harvested material that reduces logistical bottlenecks at the clamp.

The result is a mass flow-dependent delivery sequence for dynamic harvesting. The compaction vehicle at the clamp has time to neatly distribute and compact each load of crop one by one.

The result: the best forage quality.

Intuitive operation

The app can be downloaded to each operator's smartphone or tablet; the only thing that is needed to harness the new features is a telemetry unit on the PÖTTINGER machines.

You will quickly find your way around, because the app is clearly laid out and is designed so intuitively. A few clicks are all it takes to find what you need, and existing data is saved and can be displayed again at any time.

HARVEST ASSIST



A quick overview

HARVEST ASSIST brings together planning, visualisation, navigation and evaluation in a clearly structured, easy-to-use app that makes it easy to work together and achieve maximum performance during forage harvesting.

In addition to optimising the harvest, HARVEST ASSIST also provides support throughout the year.

The app consists of 5 tabs:

- Group: Gives a clear overview of everybody in the team, the connected machines, and the location of the clamp.
- Fields: Fields can be added and edited in this tab. The forecast harvest yield is also displayed here.
- Planning: The “who does what” in the harvest team.
- Map: Navigate to the clamp and the field. Information on swaths and bales is also displayed.
- Analysis: Evaluation tool for data analysis.

Easy to operate

“We have between three and eight people using the HARVEST ASSIST app, depending on which process we are currently working on.

The top three advantages are definitely that it is so easy to use, i.e. for adding people to groups and adding a field.

The second advantage is that everyone can see where everyone else is. The forage harvester* driver knows when the next trailer will arrive, the trailer driver can see where the forage harvester is at the moment, and the person at the clamp can see how much longer they have. So navigation is definitely brilliant.

And it is easy to check the status of each field: has it been mown, raked, ready for collection, or already harvested?”

Johannes Alkofer
Owner of the Blaslhof farm business
Kelheim | Germany

*Note: can be added under category “other machines”

Group



Achieve more together

HARVEST ASSIST clearly displays each member of the harvest group. Additional group members can be easily added using WhatsApp or other messenger services.

Other main parameters such as the location, machines and fields belonging to the farm can also easily be configured in the app.

Once configured, HARVEST ASSIST is the central platform for sharing harvest logistics data.

Machine data, location of each group member, and jobs that still need to be done, are all shared with the harvesting group in real time. This provides a transparent flow of information that gives everyone involved a comprehensive overview of harvesting progress at any time wherever they are.

Machine overview

The overview is used to choose and assign the machines.

When you click on a field, the boundaries are automatically recognised and added to the app.

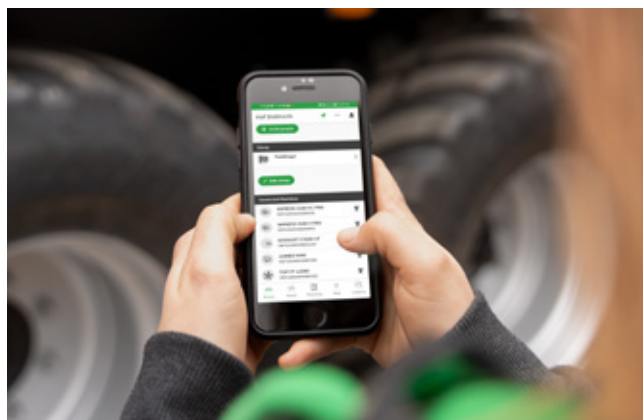
If you want to use a machine from another manufacturer, it can be added in the “other machine” category. This gives everybody involved in the harvest a full overview of where each machine is deployed.

HARVEST ASSIST facilitates navigation and planning, and you get a clear overview of every machine in the fleet, regardless of make.

Machine admin using MyPÖTTINGER

If the machine is equipped with a telemetry unit it can simply be added to the app through the MyPÖTTINGER account.

HARVEST ASSIST



The app provides an overview of information on all the PÖTTINGER machines equipped with a telemetry unit. Being connected to MyPÖTTINGER enables live access to machine data.

HARVEST ASSIST then displays all the connected machines that members of the group have added using their MyPÖTTINGER account.

Thanks to data sharing, all members of a harvest group can easily see the telemetry data of the connected machines.

Clamp management

It is easy to create and label the clamp. This makes it easier to plan the logistics of delivering and compacting the forage. Creating a clamp is essential for guiding the loader wagon.

Group

PÖTTINGER CONNECT and MyPÖTTINGER



Telemetry means efficiency by digital networking

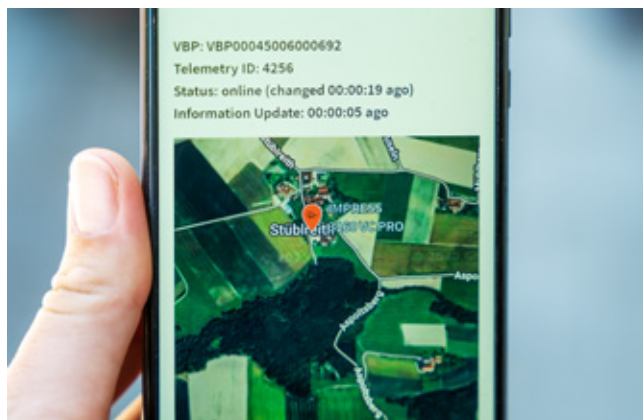
Telemetry data is becoming more and more important in modern agriculture. To meet increasing demands in terms of efficiency, performance and documentation, it is essential to have precise, up-to-date information on your machinery and work processes.

Telemetry systems on tractors and mounted implements enable exactly that: They acquire data in real time and automatically transmit it to central systems for processing, either using the PC in the farm office, or on a cloud-based platform.

The advantages of telemetry data

Using telemetry systems offers numerous advantages in both grassland and arable farming:

- Efficiency gains thanks to optimised fleet management: The harvesting workflow can be precisely documented and optimised.
- Optimised farm processes due to continuous data flows.
- Intelligent machine control: Follow-up machines can operate more intelligently based on the data transmitted by the machines in front.
- Documentation obligations are easier to fulfil and comply with statutory requirements.
- Data-supported decision making: Informed decisions can be made based on real-time data about the machines and yields. Standardised data reduces admin.
- Predictive maintenance and prompt repair of machinery is supported by the provision of machine data.
- Successful planning using accurate agronomic forecasting.



PÖTTINGER CONNECT smart telemetry unit for every machine

A telemetry unit that solves problems; that's PÖTTINGER CONNECT. It can be integrated into new machines, regardless of whether they are ISOBUS-compatible or not.

All the data acquired remains completely with the farmer. Data is stored securely and can be processed as and when needed. On ISOBUS machines, all the data is recorded from the machine, as well as the relevant data from the tractor. Non-ISOBUS machines record information relating to the location, hectares covered, operating times, and time take for transport.

Each telemetry unit is fitted with a data logger that reliably records data even where there is no network signal. An integrated SIM card enables data transfer via the mobile network free of charge for 10 years. A GPS receiver also provides precise positioning (DGPS) and geo-referencing.

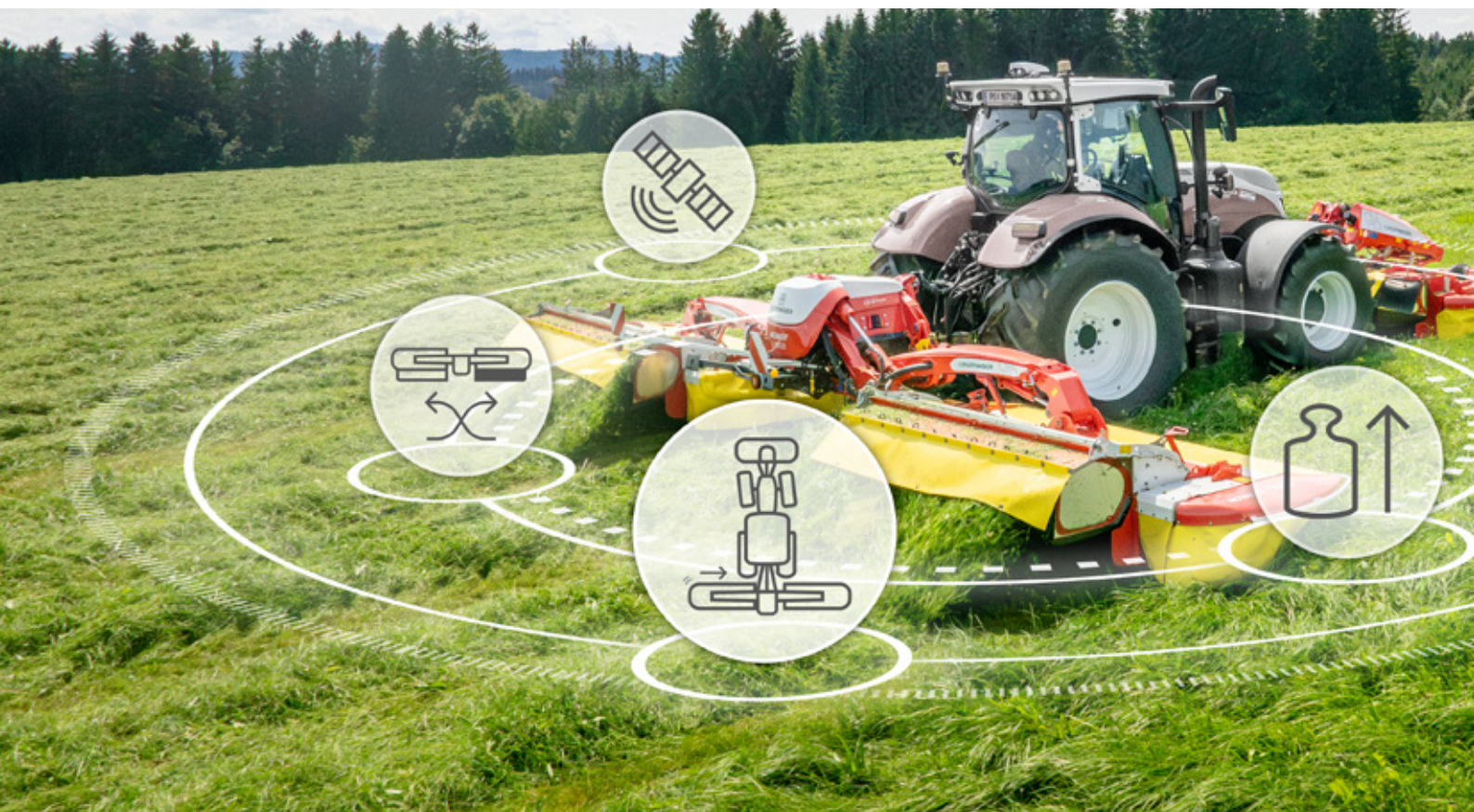
PÖTTINGER CONNECT can be used in two ways: In arable farming, PÖTTINGER CONNECT supports precision farming applications such as sowing and distributing fertiliser. The data acquired is transmitted via the agrirouter and stored and displayed by the farm management system.

In grassland farming, PÖTTINGER CONNECT is used to document and optimise work processes such as mowing, raking, and baling. Here, machine data can easily be displayed in HARVEST ASSIST via MyPÖTTINGER.

This is how PÖTTINGER CONNECT brings together modern data management, intelligent machine communication and a significant increase in performance in a way that is flexible, reliable and future safe.

Group

PÖTTINGER CONNECT and MyPÖTTINGER



PÖTTINGER CONNECT in grassland farming

Networking machines at PÖTTINGER means collecting exactly the machine data that the farm really needs. This is not information overload, but instead an intuitive analysis of the data provided by the telemetry unit.

Pöttinger CONNECT displays the data in HARVEST ASSIST, which provides a basis for decision-making and process monitoring.

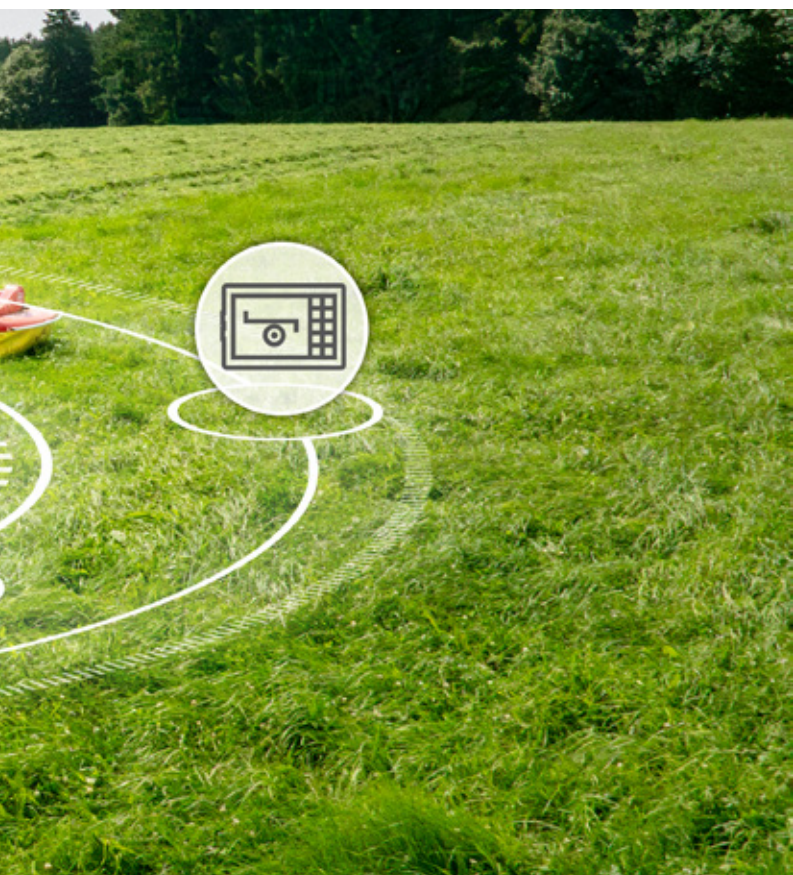
Before, during and after the harvest, the farmer can use the data from networked machines and the integrated forecasting and analysis tool to plan their harvest, make key decisions, and evaluate performance.

Regardless of whether the machine is ISOBUS-compatible or not, all yield data and machine data are saved to MyPÖTTINGER.

This is how PÖTTINGER CONNECT provides farmers with genuine added value.

PÖTTINGER CONNECT in arable farming

PÖTTINGER CONNECT supports arable farming. Data is sent to a certified farm management system by the telemetry unit via agrirouter, so it can be used for further processing.



The basis for connected machines: MyPÖTTINGER

The MyPÖTTINGER platform provides customers with valuable information about their PÖTTINGER machines. Machines can easily be added to the platform by scanning the QR code on the data plate. You then have access to key information about your machine, including the instruction manual, spare parts lists, and maintenance information.

Machines connected using PÖTTINGER CONNECT are shown after you have logged into HARVEST ASSIST using your MyPÖTTINGER account credentials.

Fields



Keeping an overview

HARVEST ASSIST has a comprehensive field menu that is specifically designed for in-cab use to help farmers optimise their harvest.

The field menu shows the status of each field using colour coding to help you keep an overview at all times.

The forecasting tool

The app can be used to forecast yields for each field, and display previous yield forecasts. The yield forecast provides detailed information, such as the estimated number of round bales (based on the type of crop, hay/silage), the number of loader wagon loads, the weight of fresh matter (t/ha), and the dry matter content.

The yield forecast provides a clear overview of the work ahead, even before harvesting begins. As a result, it is easy to plan the harvest and work out how much space is needed in the clamp. This simplifies workflow and deployment.

To use the forecasting tool, simply sign up free-of-charge for a MyPöttinger account.

HARVEST ASSIST



Add and edit fields

HARVEST ASSIST provides a clear overview and makes it easy to add fields, as well as information on the type of crop in each field, such as whether it is ley grass or permanent grassland.

What is more, site-specific field conditions can be defined to assist the drivers, for example if the field is especially steep or wet.

In addition, the app also displays the predicted yield and dry matter content.



Using forecasts

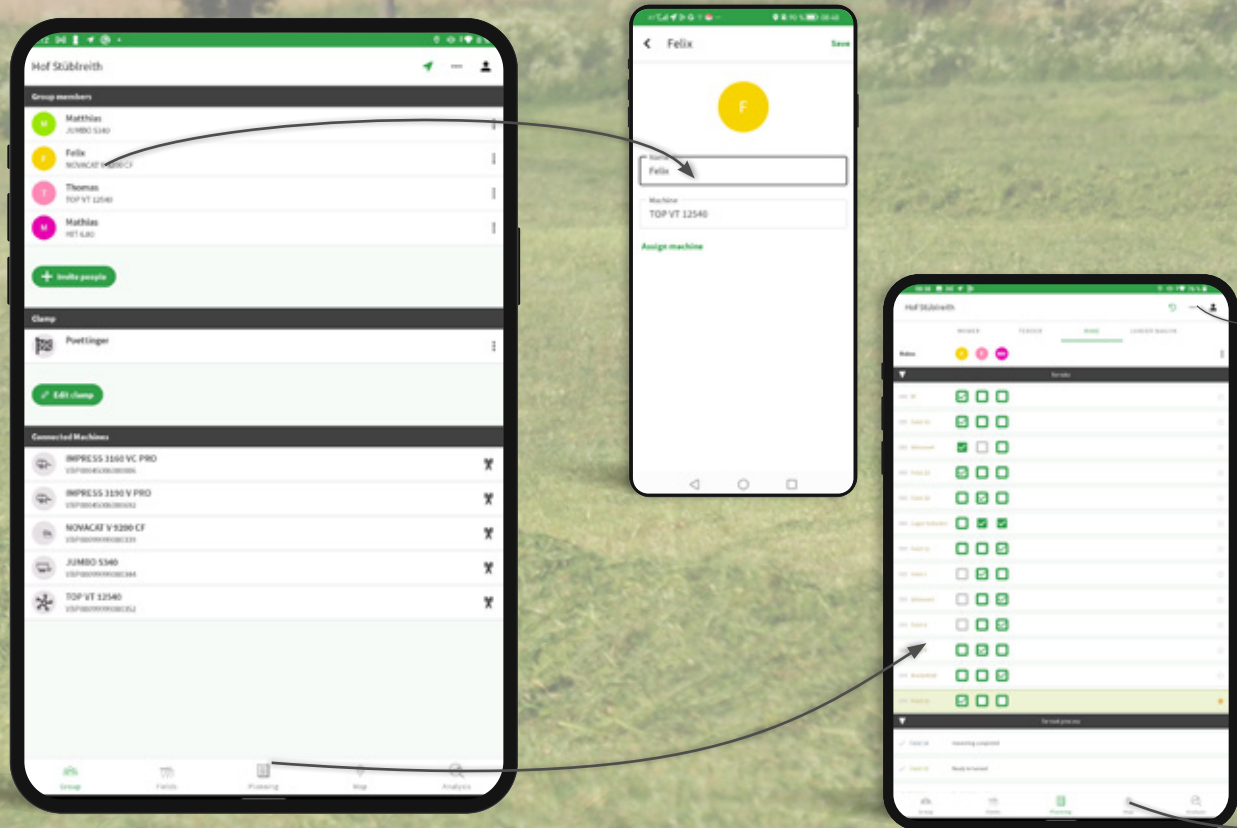
The forecasting tool can do even more: It can calculate the amount of space needed in the clamp in cubic metres.

It also calculates the drying time for each field based on the target dry matter content, which in turn is used to work out the sequence in which the fields are to be mowed. The app recommends if a tedder is needed.

These forecasts help you harvest material that is dried to the same extent to achieve consistent forage quality in the clamp.

If a silage additive is used, the required quantity can also be estimated. Ultimately, the forecasting tool helps to reduce losses and make sure nothing is left over.

Planning



In planning mode

“Who does what” in the harvest team is coordinated in HARVEST ASSIST planning mode.

Each job can be assigned to the drivers and their machines either automatically or manually. When multiple machines are available for the same work step, their routes to and from the field are separated.

There are various strategies for deploying machines to each field. They can be sequenced according to the forecast yield in combination with the distance by road, so that the mower follows a circular route yet can still start at the location with the highest yield. As a result, despite taking biomass differences into account, the machine has the shortest distance from field to field.

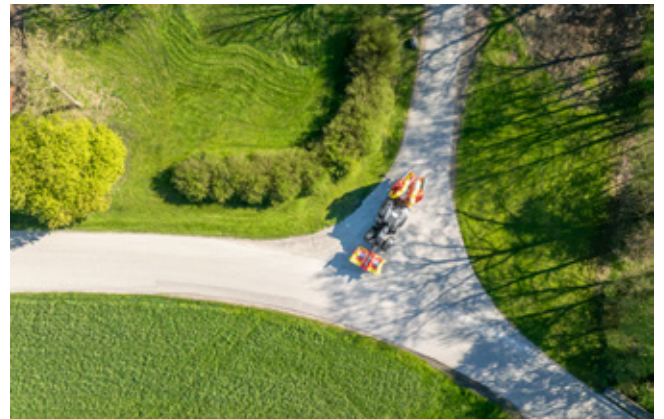
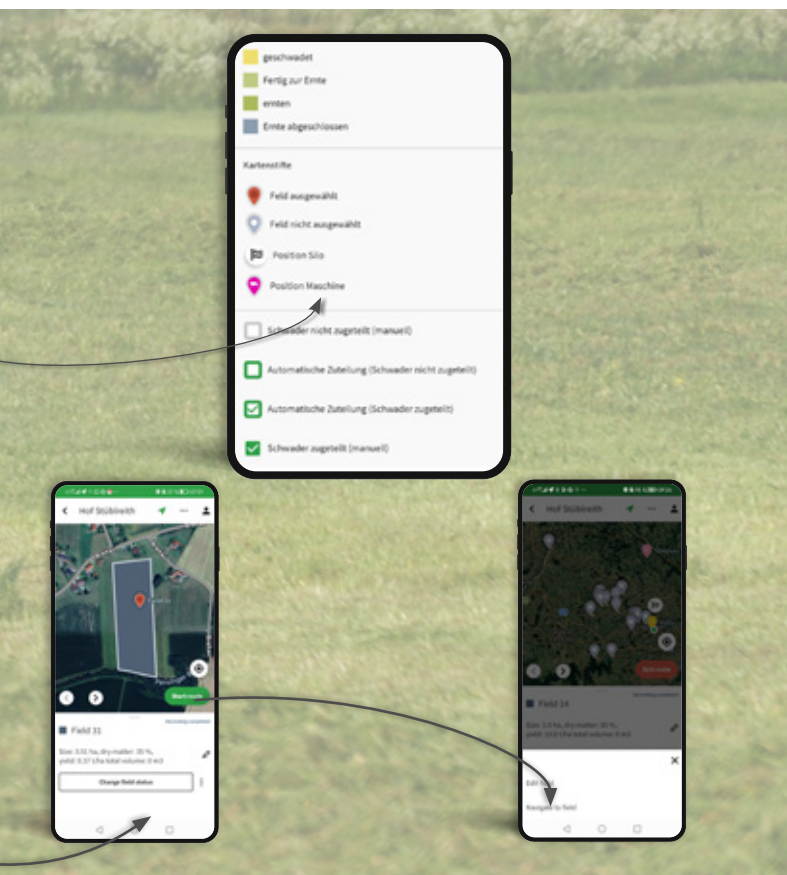
When tedders are deployed, they always follow the mower but skip fields with low crop growth or a low moisture content.

For the rake operator, the fields are sequenced according to mass flow with raking being carried out ahead of the loader wagon. This ensures that there is a continuous flow of crop being delivered to the clamp.

When several machines are used for the same task, the fields to be harvested are divided up in proportion to the number of vehicles and their output.

Manual adjustment and quick intervention is possible at any time if required.

HARVEST ASSIST



Map



Where harvesting takes place

Finished planning, get harvesting! The map view in HARVEST ASSIST is where the real work takes place. In addition to navigating to each field and the live transmission of machine and field data, harvesting work is carried out in the map view.

The locations of all harvest group members are clearly displayed in real time. This makes organisation so much easier.

Navigating to the clamp and the field

Using the navigation function, the direct route to the field entrance is displayed in seconds. The entrance to each field can be clearly marked. This ensures the field is accessed efficiently.

In addition to providing navigation to the field, the navigation function also shows the route back to the clamp. This is how all drivers return using the fastest route.

HARVEST ASSIST



Maps and yield forecasting

The yield forecast specifies and displays the number of loads per field. Because loader wagon drivers can see the yield in each field, they can schedule their routes in advance depending on the time needed to collect the crop.

Bale information

The number of harvested and deposited bales, including their weights, can be displayed in each field.

This means that the driver knows which fields they still need to go to and how many bales are still in each field.

The number of bales also provides an indication of the yield. This enables you to keep track of your grassland and whole crop harvest at any time.

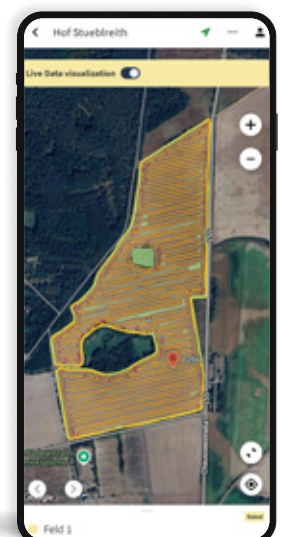
Colour coding on the bales indicate different moisture contents.

Intelligent bale storage is guaranteed.

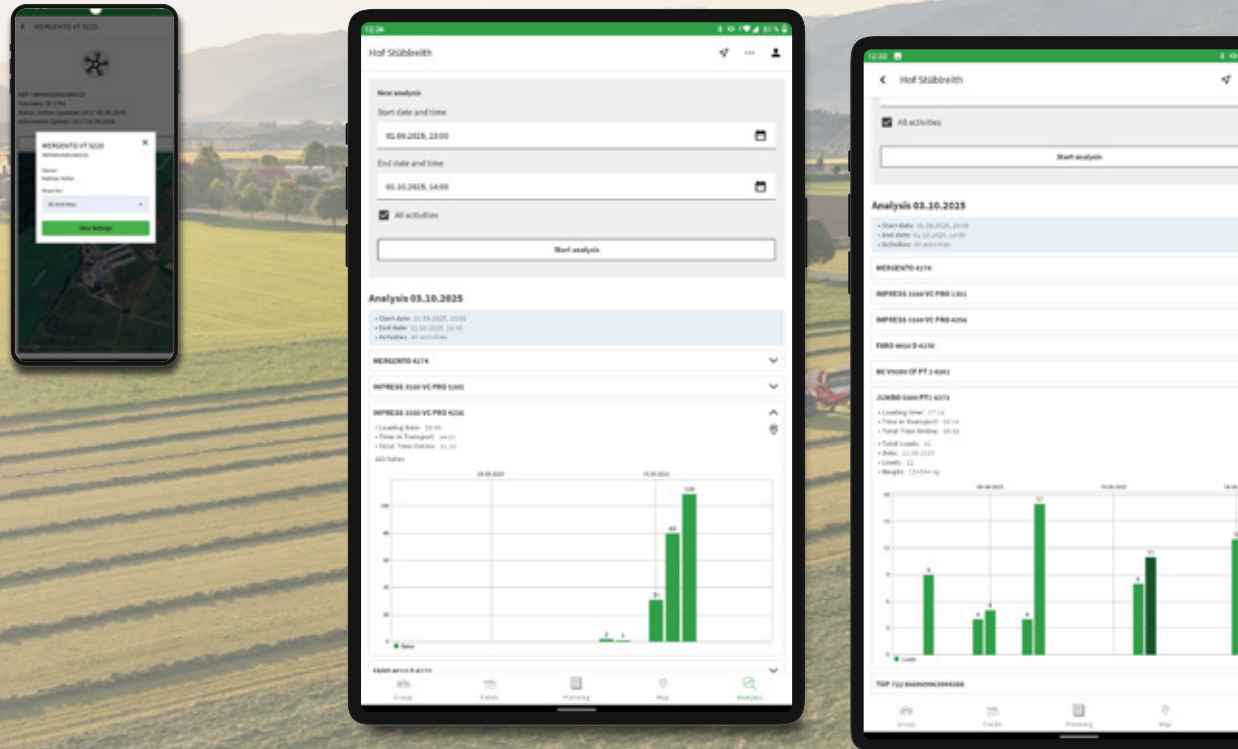
Swath information

Swaths are also displayed and colour-coded. They indicate the power requirement for follow-up vehicles. Critical points in the swath caused by multiple merges are clearly displayed for the harvesting machines. This helps minimise driver fatigue on long working days.

The status of the field changes only after the harvesting machine has collected all the swaths. The result is that no swath remnants are left behind. The status of each field can be viewed at any time in the "Fields" tab.



Analysis



Harvest data for clarity

HARVEST ASSIST offers a full range of functions for sharing, exporting and documenting field and machine data. With this level of clarity, the forage harvest becomes much easier to plan.

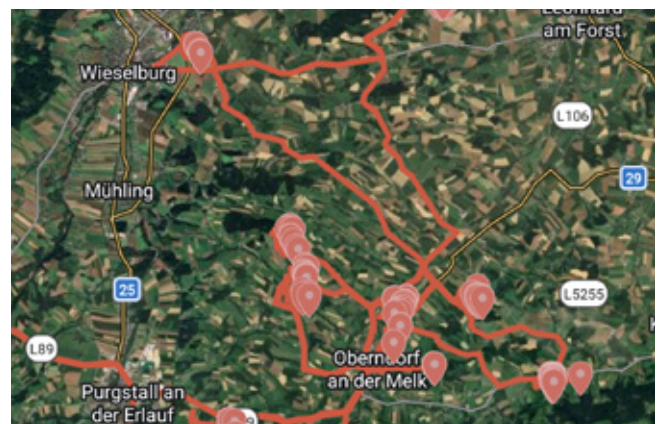
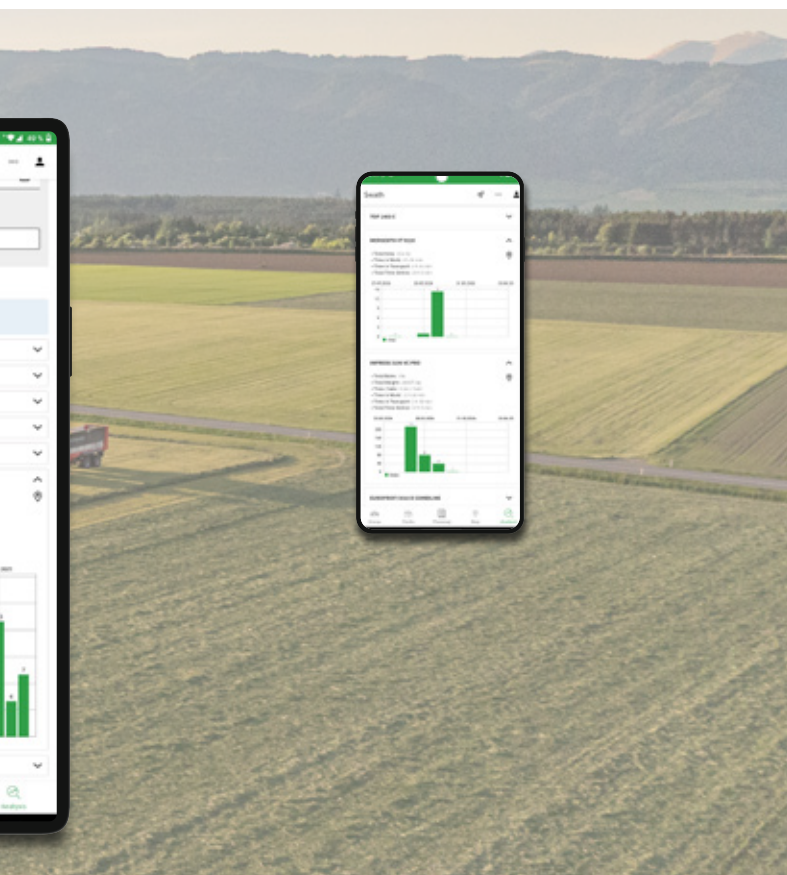
Sharing data

The HARVEST ASSIST shares driving and yield data with other members within a harvest group. This is how teamwork translates into high output.

The data covering one season from all, or individual, fields and/or machines can easily be documented and exported. This means that everyone can see what each machine has done in each field.

The performance data of the connected machines is displayed on the Analysis tab for a specified review period. This allows successive cuts, and also individual fields, to be compared with each other in terms of cost effectiveness.

HARVEST ASSIST



The analysis tool

The HARVEST ASSIST app is not only useful for the farmer; it supports three users at once: Farmers, contractors, and machine rings.

The app helps farmers to meet their documentation obligations to regulators, monitor processes, and makes invoicing easier for contractors and machine rings.

Performance data can be evaluated and analysed across all fields within a harvest group, or for each field, or for each individual machine. This makes grassland quantifiable.

The data can be easily exported as a standard CSV file or PDF using a smartphone or tablet.

Exporting data ensures that everyone receives only the information they actually need.

The advantages of data analysis

Analysing harvest data has many advantages.

- Increased efficiency: Driving data can be analysed to optimise machine deployment even further.
- Invoicing: Contractors immediately know how long and where their machines were in operation.
- Harvest volume: Was the yield satisfactory and the quality acceptable? Reliable data helps to optimise quality. Data analysis provides important insights into climate-related impacts.



More success with PÖTTINGER

- Your reliable partner, as a family-owned company since 1871
- Specialist for arable and grassland
- Future-safe innovation for outstanding working results
- Roots in Austria – at home throughout the world

Harvest quality

- Simply add members to the team messenger-style and keep an overview at all times using their live location
- Forecast your yield before you harvest
- Evaluate the harvest using a straightforward analysis tool

Ask for more information:

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