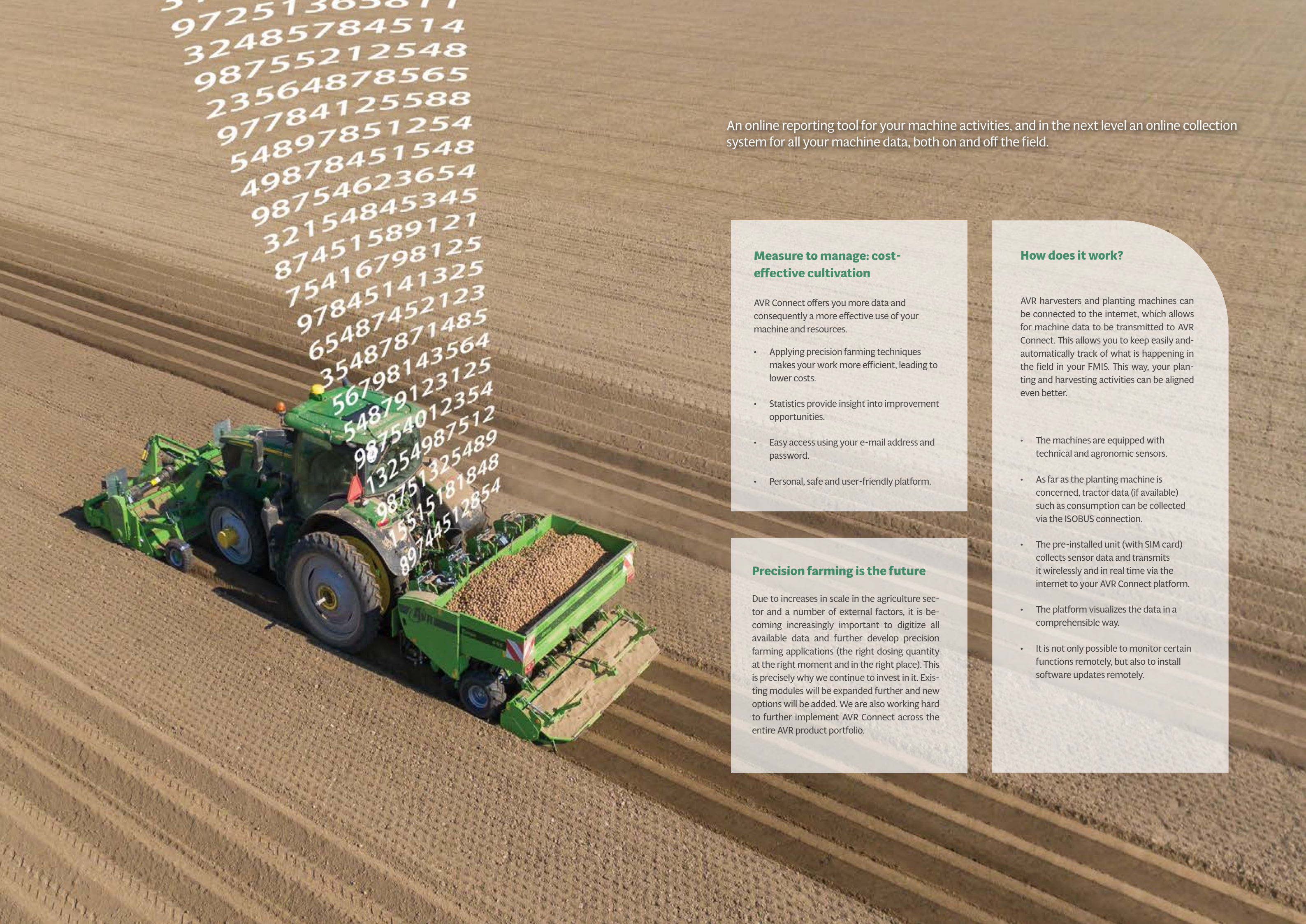




AVR CONNECT

NEXT-LEVEL PLANTING AND HARVESTING



An online reporting tool for your machine activities, and in the next level an online collection system for all your machine data, both on and off the field.

Measure to manage: cost-effective cultivation

AVR Connect offers you more data and consequently a more effective use of your machine and resources.

- Applying precision farming techniques makes your work more efficient, leading to lower costs.
- Statistics provide insight into improvement opportunities.
- Easy access using your e-mail address and password.
- Personal, safe and user-friendly platform.

Precision farming is the future

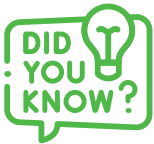
Due to increases in scale in the agriculture sector and a number of external factors, it is becoming increasingly important to digitize all available data and further develop precision farming applications (the right dosing quantity at the right moment and in the right place). This is precisely why we continue to invest in it. Existing modules will be expanded further and new options will be added. We are also working hard to further implement AVR Connect across the entire AVR product portfolio.

How does it work?

AVR harvesters and planting machines can be connected to the internet, which allows for machine data to be transmitted to AVR Connect. This allows you to keep easily and automatically track of what is happening in the field in your FMIS. This way, your planting and harvesting activities can be aligned even better.

- The machines are equipped with technical and agronomic sensors.
- As far as the planting machine is concerned, tractor data (if available) such as consumption can be collected via the ISOBUS connection.
- The pre-installed unit (with SIM card) collects sensor data and transmits it wirelessly and in real time via the internet to your AVR Connect platform.
- The platform visualizes the data in a comprehensible way.
- It is not only possible to monitor certain functions remotely, but also to install software updates remotely.

DETAILED INSIGHT INTO YOUR HARVEST



To gain a detailed insight into what is harvested in the field, AVR has integrated a digital size measurement system on the Puma 4.0 self-propelled potato harvester. This system utilizes a camera mounted on the bunker filling web to determine potato size during harvest.



Size measurement on Puma 4.0

The images are processed through AVR Connect, and the gathered data can then be displayed in two ways.

The size measurement data can be displayed either as geospatial or matrix data. The geospatial data provides an overview of which potato sizes are harvested in each zone of the field. The matrix structure gives an overview of the different sizes (length and width) of the potatoes as a percentage of the total harvested quantity of a trip or field. All data ranges within the matrix can be dynamically adjusted based on specific customer needs.

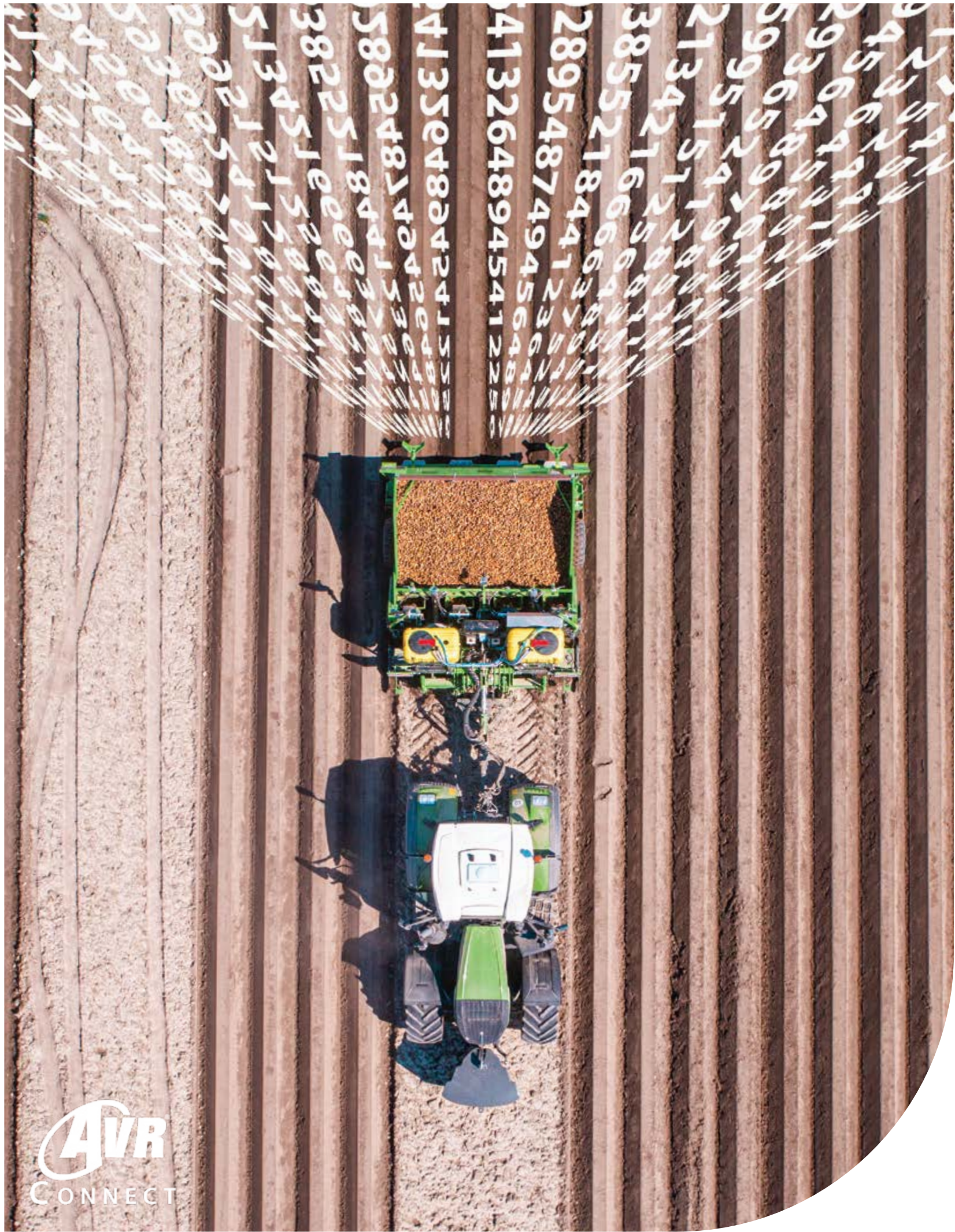
The AVR size measurement system allows for a fully digital size outlay of the harvested potatoes.

		LENGTH								Som
		0 - 25mm	25 - 50mm	50 - 60mm	60 - 70mm	70 - 80mm	80 - 100mm	100 - 120mm	>120mm	
WIDTH	0 - 35mm	0,05%	8,52%	1,33%	0,30%	0,07%	0,01%	0%	0%	10,68%
	35 - 45mm	0%	7,52%	6,51%	3,38%	1,26%	0,49%	0,02%	0%	19,07%
	45 - 50mm	0%	1,05%	4,41%	3,61%	2,02%	1,10%	0,13%	0,00%	12,31%
	50 - 55mm	0%	0%	3,46%	4,64%	3,22%	2,37%	0,37%	0,03%	14,08%
	55 - 60mm	0%	0%	1,15%	4,13%	3,72%	3,39%	0,68%	0,11%	13,18%
	60 - 75mm	0%	0%	0%	3,25%	6,82%	9,75%	3,72%	0,90%	24,45%
	75 - 100mm	0%	0%	0%	0%	0,34%	3,02%	1,92%	0,95%	6,23%
	100 - 120mm	0%	0%	0%	0%	0%	0%	0%	0%	0%



Integrated yield measurement

As an extension to the AVR Connect platform, weighing cells can be mounted on the Puma's picking-off table. The data from these cells is also forwarded to your personal platform via the internet. The result is clearly displayed by means of graphics.

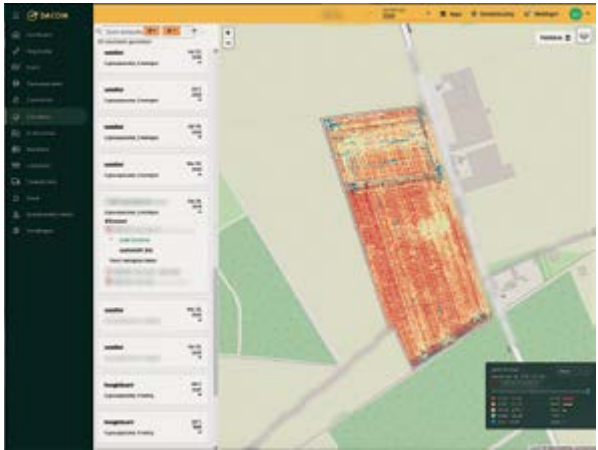


Combine available data and work more efficiently by linking with third party software

For field creation: Synchronize with JD Link for seamlessly importing known fields.

And vice versa:

Thanks to AVR Connect's ability to link with external data platforms such as WatchItGrow and Dacom, information like planting and harvesting time data and yield data can easily be integrated into these platforms. This information can then be linked to, for example, available satellite data and data concerning fertilization, irrigation and spraying of relevant parcels.



Advantages of connecting to external platforms (WatchItGrow/Dacom)

- Automatic completion of parcel sheet (e.g. registration of harvesting time (including hours), fuel consumption, machine used and yield totals).
- Cultivation registration can be used for reporting, permissions checks, or calculating balances.
- User-friendly, offers insight (reporting and costs) and visualizes the differences within the parcel.



Field management



Integrated yield measurement



Real-time position & route
(inside & outside field)



Follow up key parameters



Remote (software)update



Geofencing



Remote overview & history



Remote diagnosis,
minimize service interventions



Remote alarms,
minimize machine downtime



Data exchange



Register waiting times to
optimize them



Optimize maintenance
planning



SOIL CULTIVATORS



POTATO PLANTERS



HAULM TOPPERS



HARVESTERS



CROP HANDLING

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