




AMAZONE 4.0

Meeting agricultural challenges with intelligent solutions

Our motivation

- 
- **The challenges:** climate change, growing world population, increasing legal requirements
 - **Our goal:** to provide optimum support for farmers and contractors with innovative technology
 - For reducing the use of inputs
 - For better environmental protection
 - For the optimum use of resources
 - For an increase in yield potential

Amazone 4.0 stands for ...

**... customer-oriented & digital solutions
for intelligent crop production**

- Optimisation of operational systems
- Increase in operating comfort
- Efficient, resource-conserving & precision working

Precision

Reliable
electronics for
automation

Example:
Variable rate of
application



Perfection

Helpful sensor systems
and maximum
precision

Example:
ArgusTwin



Networking

Simple
data exchange
and use of
external data analysis

Example:
mySpreader App



Precision

- Automated control of the machine via ISOBUS electronics
- Precision working and farming practice adapted to local conditions
- High degree of work simplification and operational comfort



Examples:

- Automatic regulation of the application rate of the fertiliser spreader via the ProfisPro weighing system
- Automatic part-width section control via GPS-Switch
- Part-area, site-specific cultivation via application maps





Perfection

- Intelligent sensor systems for perfecting the quality of work
- Targeted use of inputs in extremely small part-areas
- Meeting the highest demands of precision agriculture



Examples:

- Spread fan monitoring via ArgusTwin
- Reduction in the influence of the wind via WindControl
- ContourControl automatic active boom guidance



Networking

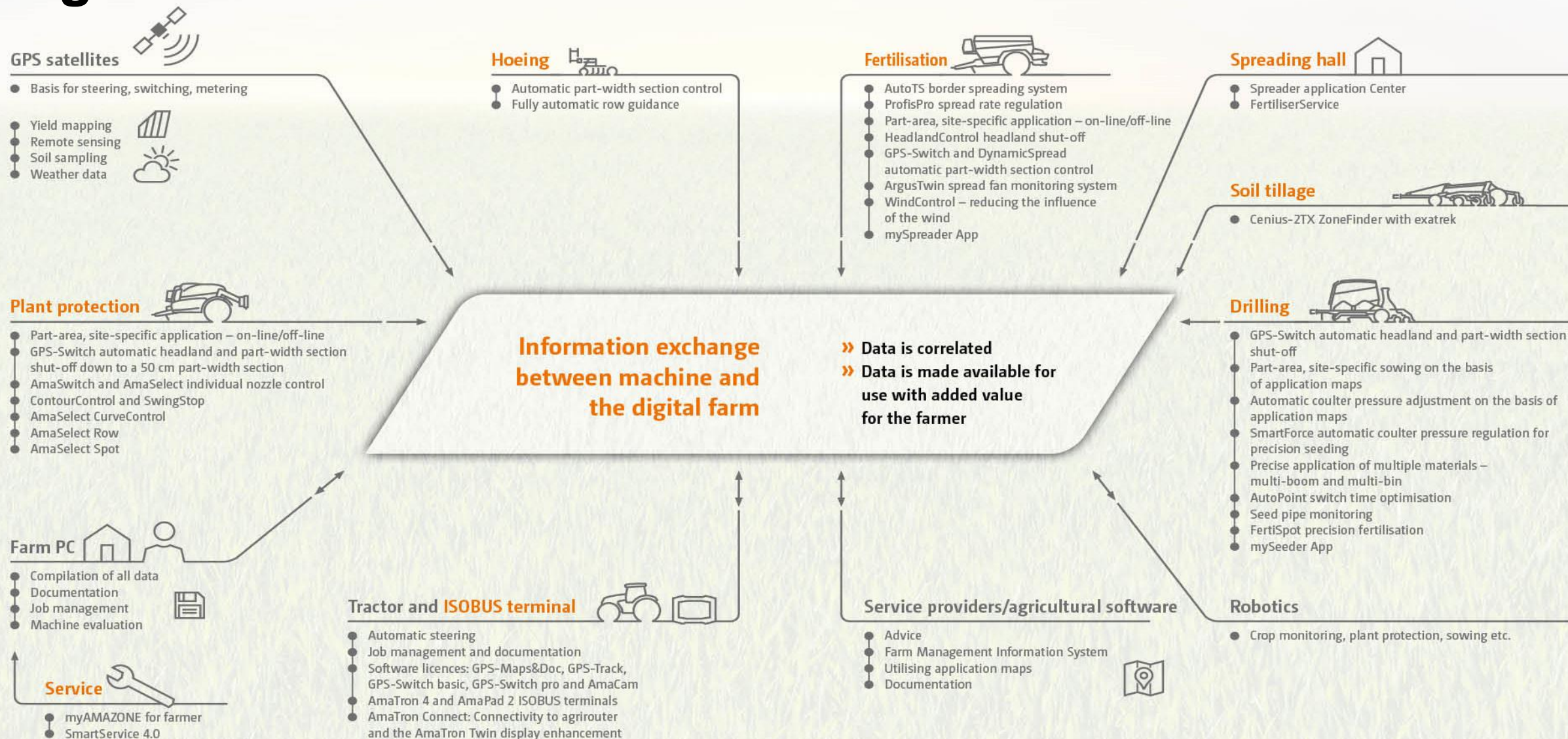
- Digital networking and data exchange
- Exploitation of added value via external data analysis
- Optimising the use of inputs



Examples:

- Perfect spreader adjustment via the mySpreader App
- User-friendly and manufacturer-independent data exchange via agrirouter
- Spot Spraying by means of application maps and AI – AmaSelect Spot and UX SmartSprayer

Digital solutions on the farm





Intelligent fertilisation

Precision

- ProfisPro weighing system
- Auto-TS border spreading system
- GPS-Switch automatic part-width section control
- Part-area, site-specific application
- HeadlandControl

Perfection

- WindControl
- ArgusTwin spread fan monitoring system

Networking

- mySpreader App



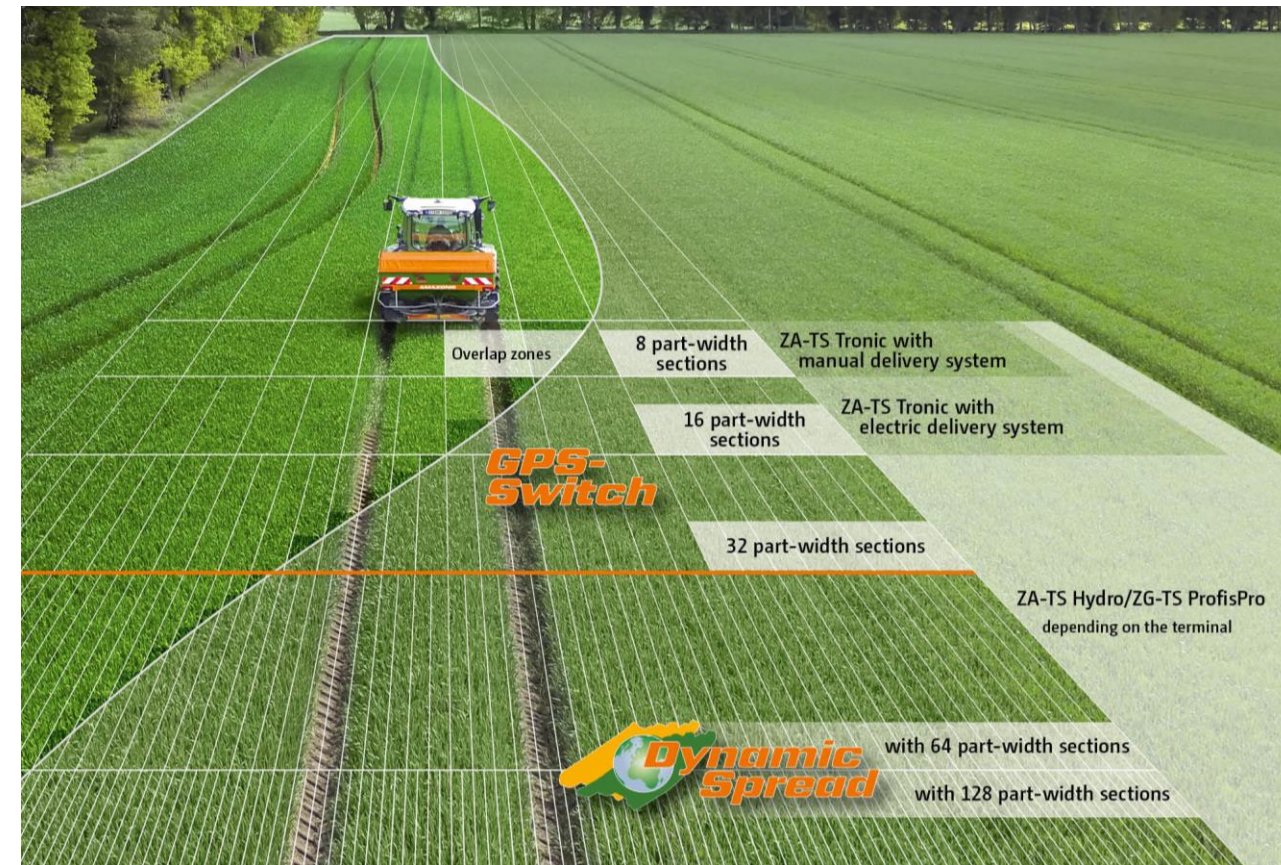


Intelligent fertilisation



GPS-Switch automatic part-width section control

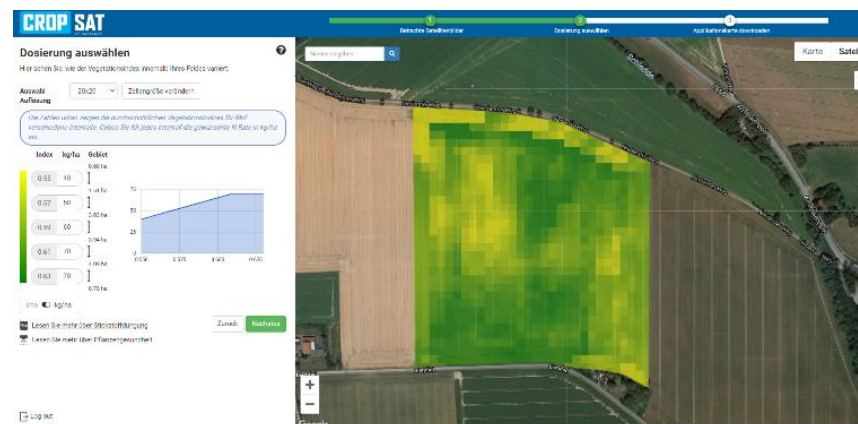
- Up to 128 part-width sections in a kidney-shaped pattern
- Maximum precision in wedge shaped fields or on the headland
- Fewer overlaps and gaps
- Environmentally-friendly application



Intelligent fertilisation

Part-area, site-specific application

- Optimum crop management via targeted & needs-based fertilisation
- Improved distribution of fertiliser is of primary importance
 - i.e. higher nutrient efficiency - saving fertiliser to a lesser extent!



Intelligent fertilisation

WindControl

- Monitoring of and compensation for the effects of the wind
- Delivery system and spreading disc speed are automatically adjusted
- Larger time windows for spreading
- Better fertiliser distribution

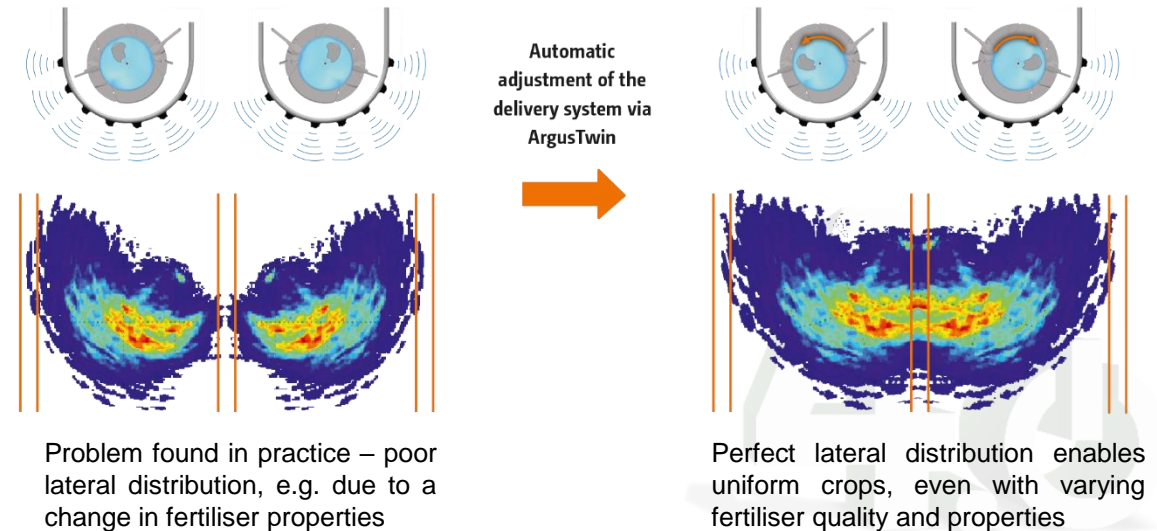


Intelligent fertilisation



ArgusTwin spread fan monitoring system

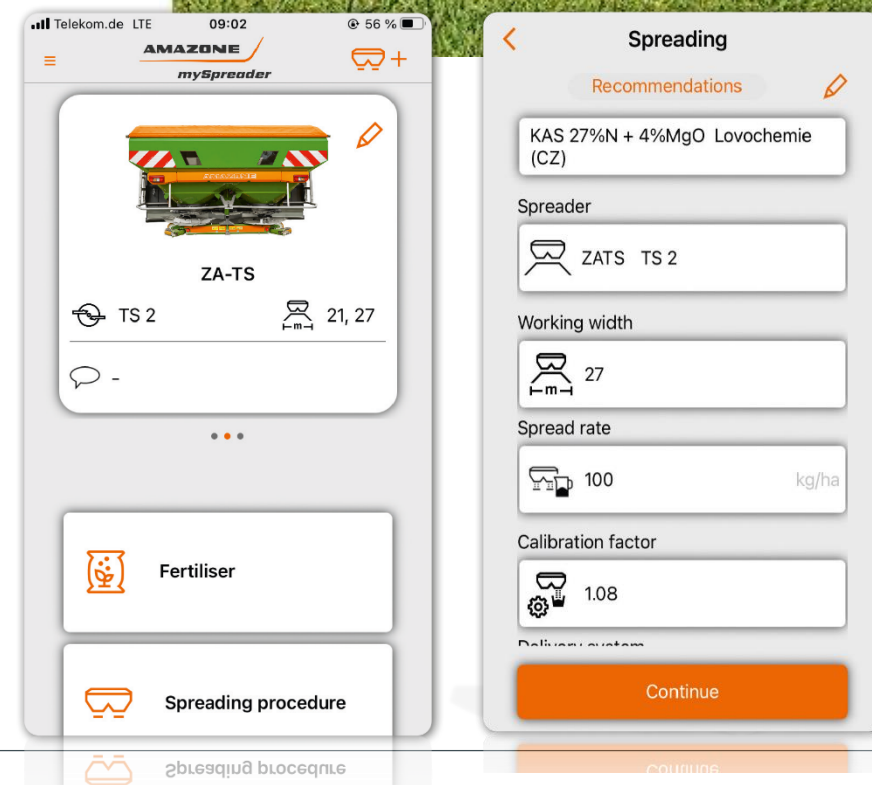
- Permanent monitoring and optimisation of the lateral distribution via radar sensors
 - With variable fertiliser qualities, spreading on slopes or border spreading
- Improved fertiliser use efficiency!



Intelligent fertilisation

mySpreader App

- User-friendly determination of the correct spreader setting
- Functions: FertiliserService, EasyCheck, EasyMix
- Error-free transmission via Bluetooth possible
- Check and optimisation of the lateral distribution



Intelligent crop protection



Precision

- GPS-Switch automatic part-width section control
- Part-area, site-specific application
- SmartCenter setting centre with CP+

Perfection

- AmaSelect individual nozzle control
- AmaSelect CurveControl
- AmaSelect Row
- DirectInject direct feed system
- ContourControl & SwingStop

Networking

- AmaSelect Spot
- UX SmartSprayer

Intelligent crop protection

Area



Row



Point



Intelligent crop protection

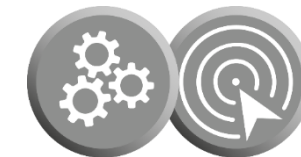


Part-area, site-specific application

- Optimum crop management via targeted & needs-based plant protection
- Reduction in the use of plant protection agents and targeted application are of primary importance!
- Prevention of plant damage (growth regulator) or chemical resistance (fungicides)



Intelligent crop protection



GPS-Switch automatic part-width section control

- Precise switching of up to 50 cm part-width sections
- Fewer application errors
 - Minimisation of the spray damage in overlaps
 - No weed patches
 - Higher precision in wedge shaped fields
- Precision also at night or at higher speeds
- Input savings, environmental protection

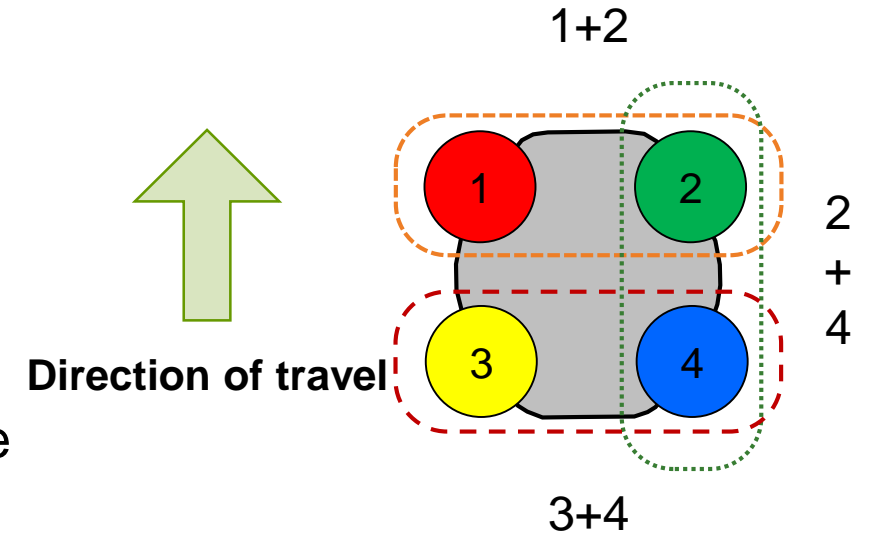


Intelligent crop protection



AmaSelect individual nozzle control

- Electric quad nozzle bodies
- Automatic adjustment of the nozzle size to variable forward speeds and application rates
- 50 cm part-width section and 25 cm nozzle spacing possible
- Optimum illumination at night thanks to LED individual nozzle lighting
- Minimal residual volumes and more comfort for the driver

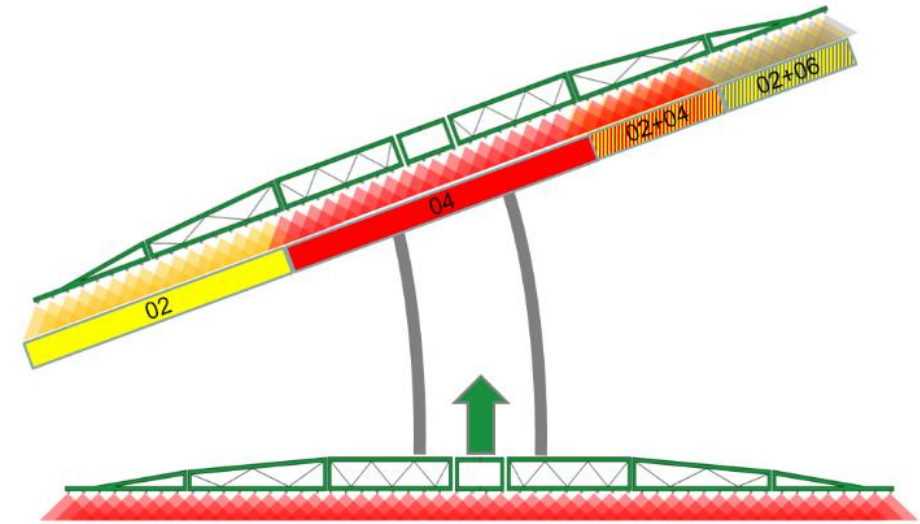




Intelligent crop protection

AmaSelect CurveControl

- More uniform application when driving round bends
- Chemical resistance and plant damage are avoided



Intelligent crop protection

AmaSelect Row

- Highly efficient band spraying in row crops
- Ideal for row crops with a spacing of 50 cm or 75 cm
- Reduction in plant protection agent usage by up to 65 % possible

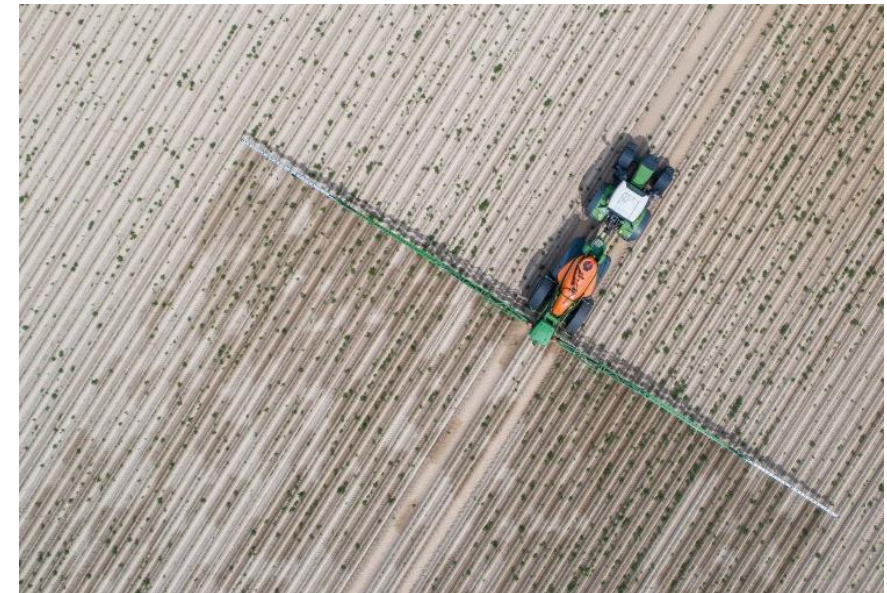


Intelligent crop protection



AmaSelect Spot

- Pin-point weed treatment according to spot application maps
- AMAZONE successful tests:
 - ✓ Docks in grassland, potatoes in carrots, thistles in potatoes, potatoes in sugar beet, potatoes in maize
- Reduction in plant protection agent usage by up to 80 % possible



Intelligent crop protection



UX SmartSprayer

- Pin-point weed treatment in a real-time system using state-of-the-art camera technology and AI image processing
- Green on brown in pre-emergence & green on green in post-emergence
- Reduction in plant protection agent usage by up to 80 % possible



Entscheiden



xorvio™
Digital Farming
Solutions

Applizieren



Intelligent crop protection

DirectInject direct feed system

- Flexible, fast and needs-based use of plant protection agents
- Short response time through direct supply in the boom
- Weed patches, field boundary treatment, application according to map



Intelligent seeding

Precision

- GPS-Switch automatic part-width section control
- Part-area, site-specific sowing and coulter pressure regulation
- SmartForce automatic coulter pressure regulation
- Multiple materials

Perfection

- AutoPoint
- Seed pipe monitoring
- FertiSpot

Networking

- mySeeder App



Intelligent seeding



Part-area, site-specific sowing and coulter pressure regulation according to application maps

- Automatic application of seed and fertiliser and coulter pressure regulation according to soil quality and needs
- Optimum and efficient use of inputs
- Uniform seed placement

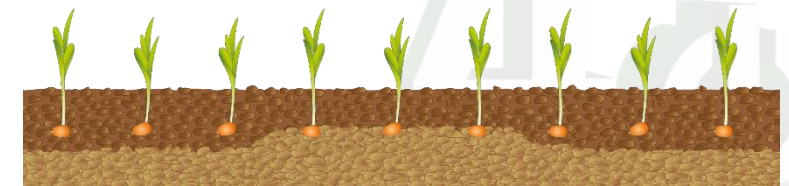
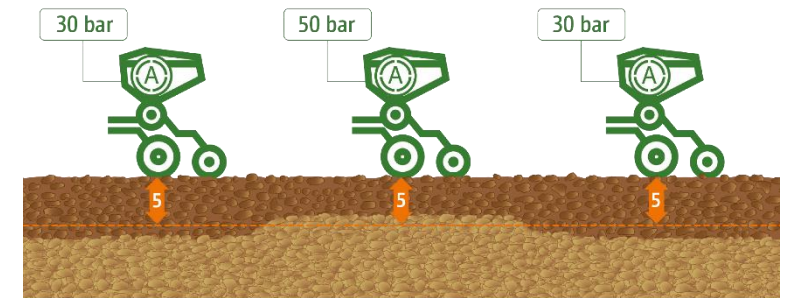
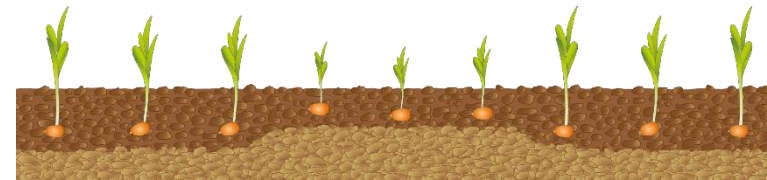
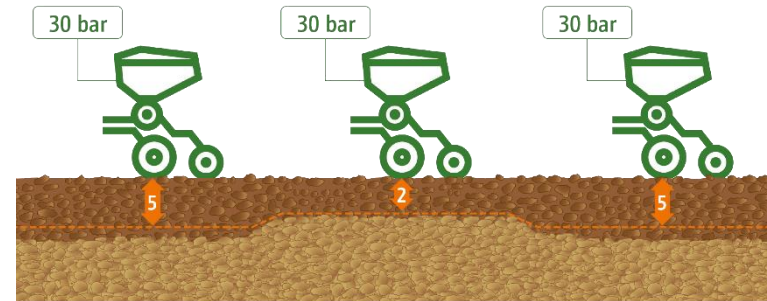




Intelligent seeding

SmartForce in precision seeding

- Automatic coulter pressure regulation tailored to the soil conditions
- Constant coulter pressure and uniform plant growth
- Stress relief on the driver

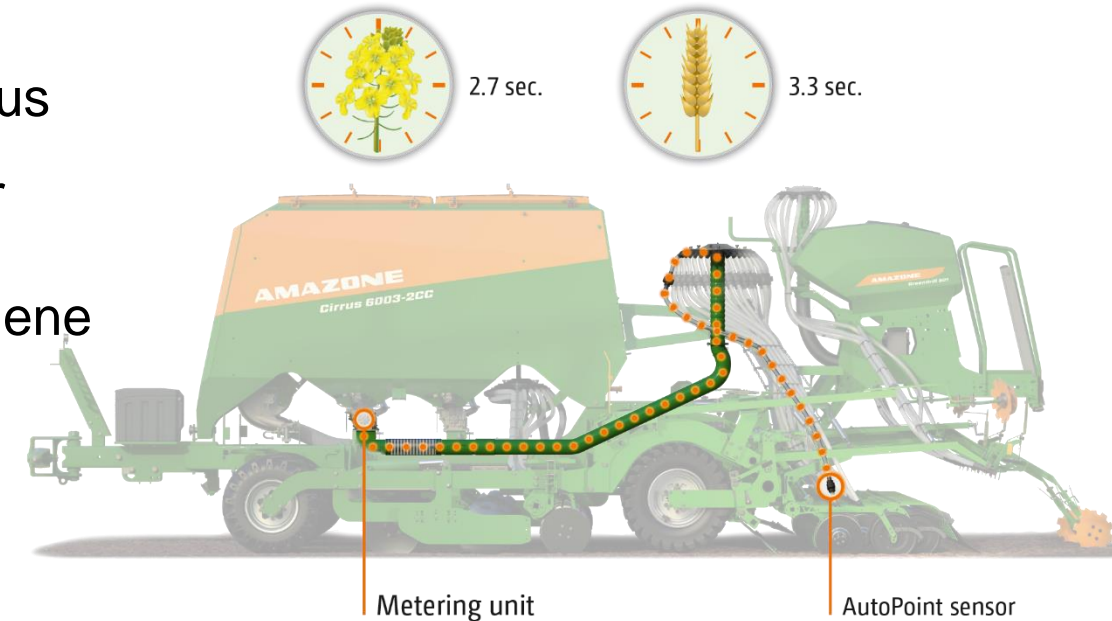


Intelligent seeding



AutoPoint switch time optimisation

- Automatic determination of the conveying time of various seed types from the metering unit to the sowing coulter
- Minimisation of misses and overlaps for good field hygiene
- Minimisation of disease pressure

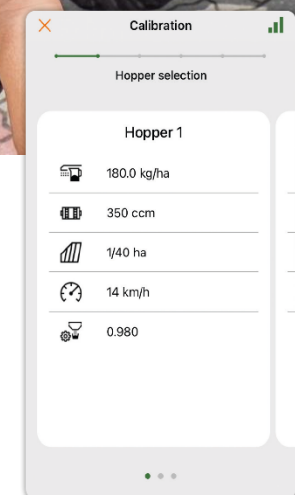
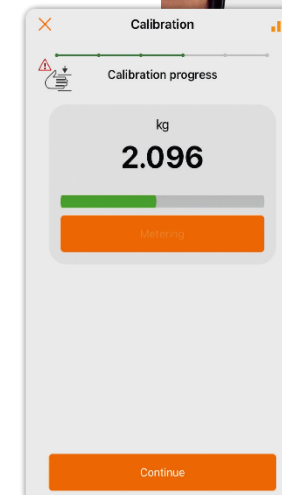
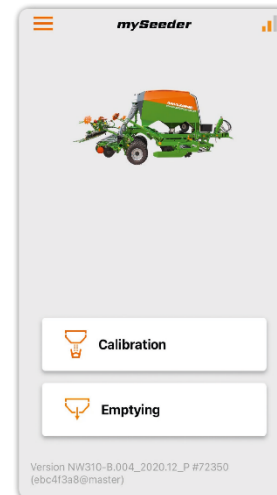
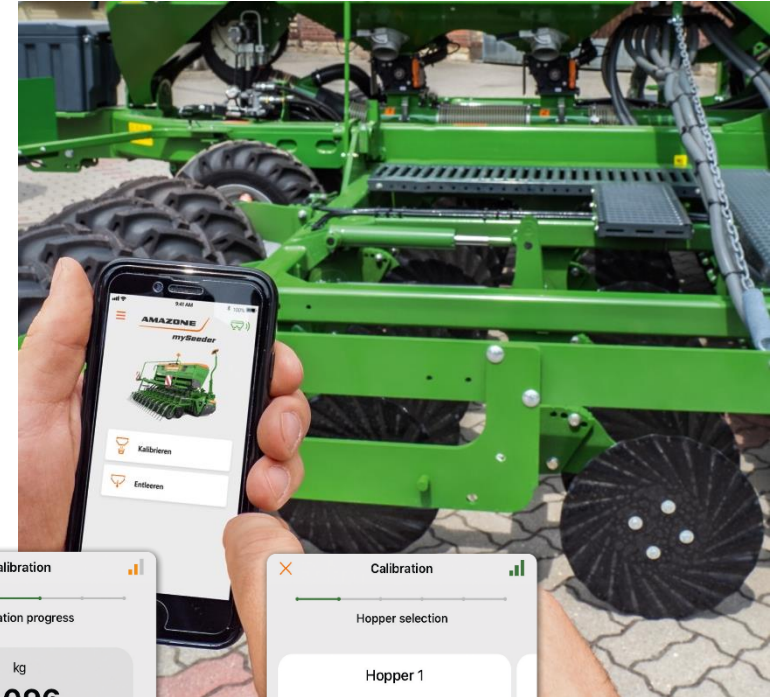


Intelligent seeding



mySeeder App

- Comfortable calibration of multiple hoppers via your smartphone
- Work simplification and flexibility during calibration – the driver can move freely about the machine
- Transmission of the data via Bluetooth



AMAZONE ISOBUS control

Software

- Intuitive, comfortable, perfectly tailored
- User-oriented and tailored to the machine
- Functional range above and beyond the ISOBUS standard

AmaTron 4

- Intuitive and user-friendly operation
- Operation via touch screen or soft keys
- Field-related documentation
- Practical and intuitive menu navigation

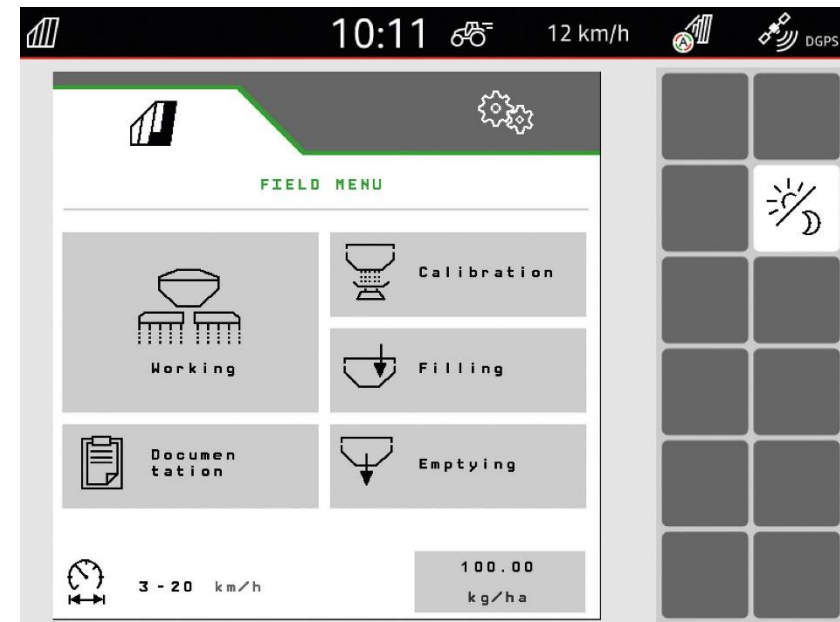
Digital applications

- AmaTron Connect for digital applications
- AmaTron Twin screen extension
- User-friendly data exchange via agrirouter and myAmaRouter App

AMAZONE ISOBUS control

Software from AMAZONE

- Developed by the in-house electronics department with a high degree of practical relevance
- High operational comfort and added value for the machine operation
- Software perfectly tailored to the machine
- User-friendly and simple operation



AMAZONE ISOBUS control

AMATRON 4 – operation made easy

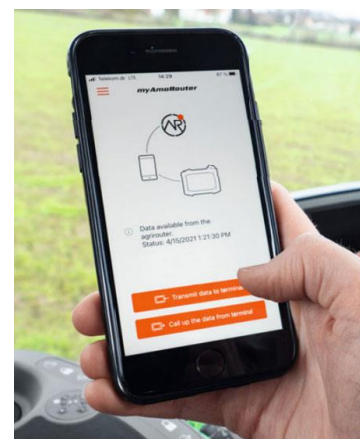
- Robust, intuitive and comfortable
- Low-reflection 8" display with App carousel
- User-friendly and clear operation
- Field-related documentation
- Free trial period for all chargeable licences
- Offers maximum possibilities in ISOBUS operation



AMAZONE ISOBUS control

Digital applications

- AmaTron Twin App as a comfortable display extension for AmaTron 4
- myAmaRouter App for simple and secure data exchange between the agricultural software and the machine via agrirouter

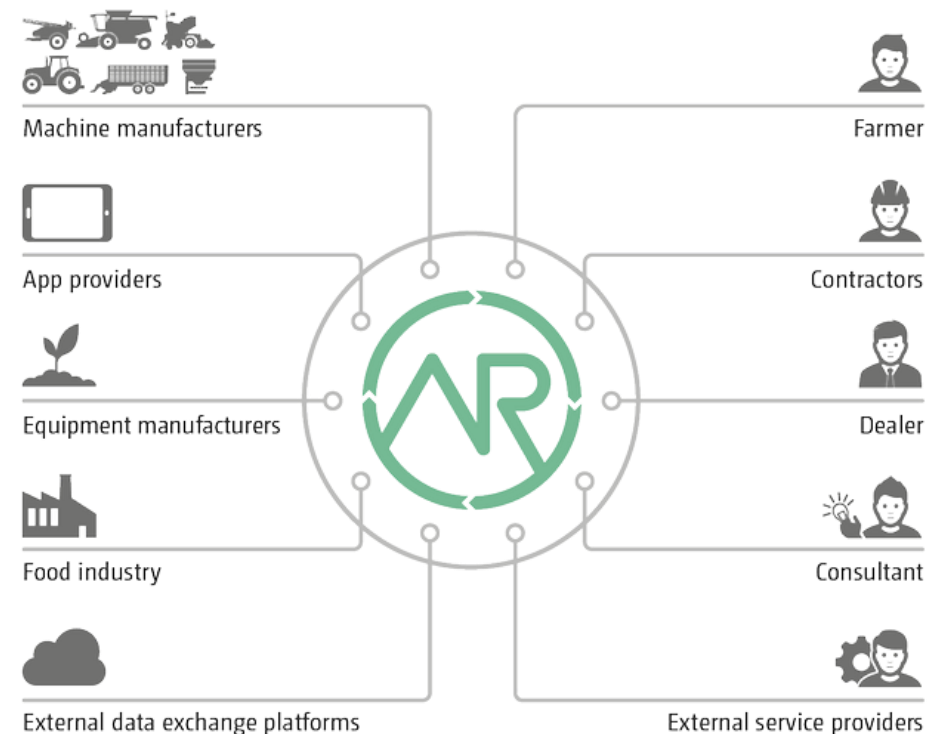


ready for
agrirouter

AMAZONE ISOBUS control

What is agrirouter?

- Open data exchange platform
- Cross-manufacturer data exchange between machines and agricultural software applications
- User retains data sovereignty – they determine what happens to their data and who it is exchanged with
- Data is transferred, not stored





Digital service offers

Smart Learning

- Interactive driver training for the PC or smartphone
- Learning the correct use and adjustment of the machine
- Preparation for the new season
- Provision of support in the event of uncertainties

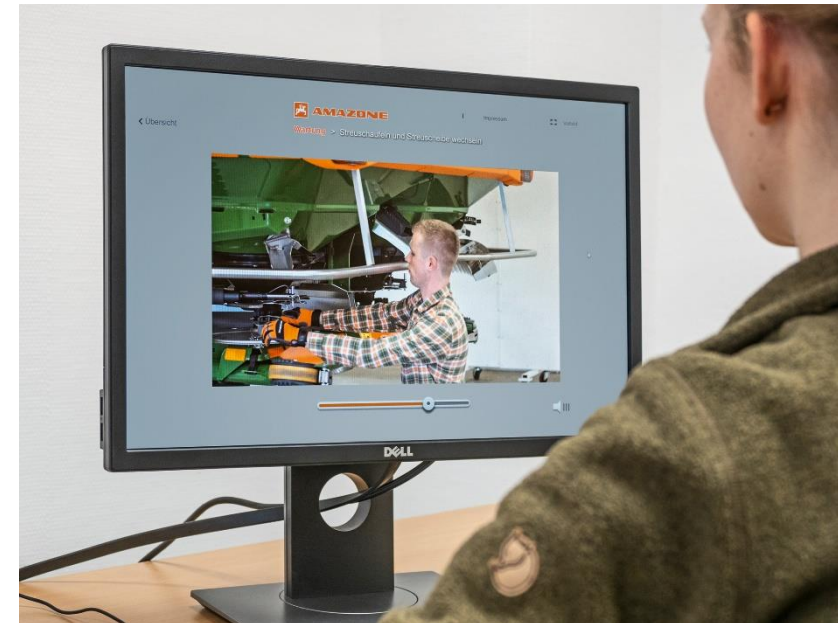
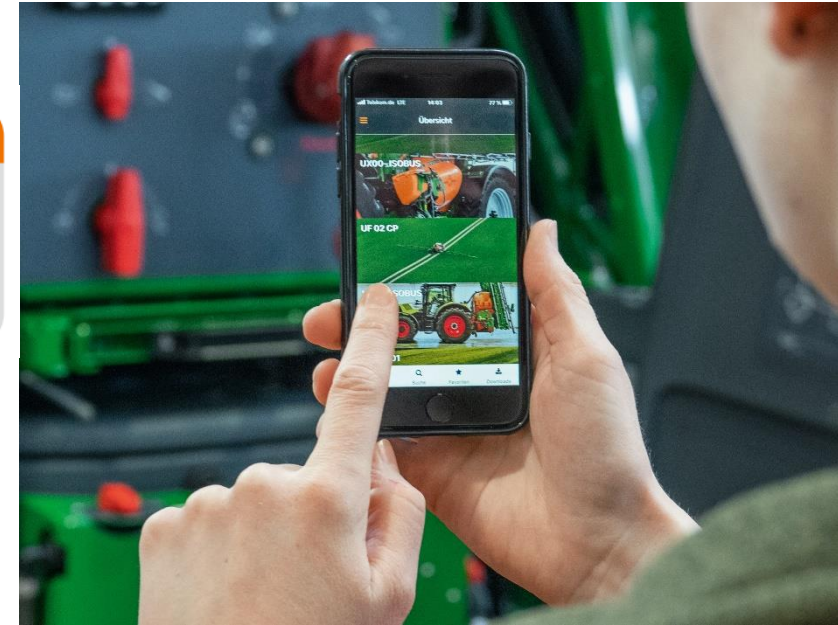
FertiliserService

- Comprehensive advice for optimum spreader setting
- On-line FertiliserService with a large database
- mySpreader App for the PC or smartphone

Digital service offers

SmartLearning

- Interactive driver training
- Learn and brush up on the use and adjustment of AMAZONE machinery easily and comfortably
- Simple preparation for the new season
- SmartLearning videos on the PC or via the SmartLearning App for training directly on the machine





Digital service offers

FertiliserService

- Extensive fertiliser database with optimum setting recommendations for AMAZONE fertiliser spreaders
- A 5 kg sample of fertiliser can be sent to us free of charge
- On-line FertiliserService or mySpreader App for the correct adjustment of the fertiliser spreader on the field



Clever AMAZONE technology ...

... optimises operational systems

... provides a high level of operational comfort

... helps you work more efficiently and precisely and conserve resources

AMAZONE 4.0