



# FENDT

## Fendt Tigo (XR/VR/PR)





## Fendt Tigo (XR/VR/PR).

- 4 At a glance.
- 6 Spotlights.
- 10 Concept.
- 14 Pick-Up.
- 20 Cutting system.
- 24 Bulkhead.
- 28 Scraper floor.
- 32 Structure.
- 36 Operation.
- 40 Fendt Services.
- 46 Equipment variants and technical details.



## At a glance.

### Flexible. Compact. Enduring.

Highest forage quality. Best utilisation of the loading capacity. Rapid unloading. The Fendt Tigo XR, VR and PR combination wagons will fulfil these wishes. The multi-function bulkhead with VarioFill gives you an additional 6 m<sup>3</sup> of loading space. Whether silage or hay: the automatic loading system with infinitely adjustable pre-pressure guarantees the utilisation of every cubic metre of loading space and actively supports unloading. The result: a cleanly emptied wagon and top quality forage.

- high loading volume from 31 to 54 m<sup>3</sup> (DIN)
- maximum stability with nevertheless compact and light design
- Pressing pressure of the chuck adjustable via terminal
- 80° swivelling multifunctional front wall with VarioFill
- short distance between pick-up and cutting rotor
- direct, maintenance-free and durable oil bath drive
- Parallel ISOBUS operation via drive lever, Varioterminal and loader wagon terminal
- if desired, the Tigo VR and XR control the tractor via the TIM ready (Tractor Implement Management) functionality
- extra wide, hydraulically driven heavy-duty pick-up truck
- Knife sharpening device FlexSharp available
- without rebuilding, always loading and chopping transport wagon

	Model	Volumes in accordance with DIN 11741 m <sup>3</sup>	Power requirement kW/HP
<b>Tigo XR</b>	65 / 75 / 90 / 100	38 / 44 / 50 / 54	132/180 / 147/200 / 169/230 / 184/250
<b>Tigo VR</b>	65 / 75	37 / 42,5	110/150 / 110/150
<b>Tigo PR</b>	45 / 50 / 60	31 / 31 / 36	96/130 / 96/130 / 110/150



  
**Fendt Tigo (XR/VR/PR)**  
**Spotlights.**

Here you will find the special Fendt solutions.  
 Fendt Spotlights, which make all the difference too you and  
 make your work day much better



2.

**1. Compact and efficient payload champion**

- Up to 1.7 t more payload and particularly compact, because it's up to 1 m shorter than conventional loader wagons
- Up to 1,339 l less diesel consumption with the same transport capacity per season

**2. Multifunctional bulkhead - Patented increased efficiency**

- Complete optimisation of the loading capacity due to the bulkhead doubling as a loading and pre-press wall
- VarioFill - Infinitely variable automatic loading and unloading
- Perfect combination of maximum loading capacity, forage protection and driver relief on long days

**3. Design and Chassis**

- Payload-optimised welded frame construction of fine-grain steel with integrated galvanized full steel floor for the highest degree of stability and long-term quality
- Vertical superstructure with narrow side stanchions and all-round upper frame ensure maximum stability

**4. Main rotor drive maintenance-free and durable**

- Unique drive concept integrated into the frame instead of an attached cast gear box
- Designed for a PTO power of up to 500 HP/3,000 Nm

**5. Camless, hydraulically driven pick-up**

- 2.20 m working width with 7 rows of tines, plastic tine bands, ensures the most efficient crop flow and clean swath pick-up
- Direct hydraulic drive ensures a smooth and quite maintenance free Pick-up
- Variable speed setting



5.

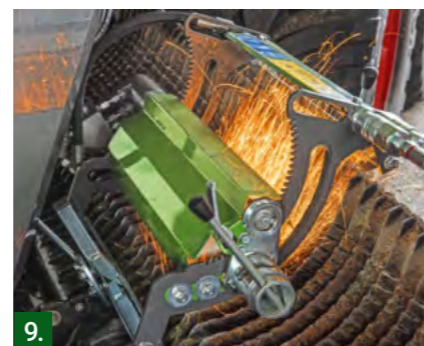


**6. TIM throughput control for maximum productivity\*: The tigo controls the speed of travel of the tractor**

- The loader wagon regulates the forward speed of the tractor, depending on pick-up load
- Fully automatic crop flow control
- Continuous driver comfort and full focus on loading

**7. Gentle flow of goods and best silage quality, thanks to 25 mm wide rotor tines with just a 3.5 mm clearance between the knife and the rotor tines**

- Widest contact surface of the rotor tines on the market at 1150 mm
- Gentle feed conveyance up to a height of 4m
- Smallest cut gap for, precise cut without squeezing and mashing
- Long-life Hardox rotor tines, with patented interchange system



**8. chassis with suspension\* for superior driving safety and comfort**

- Hydropneumatic suspension and automatic level control
- FSC (Fendt Stability Control) for level compensation on slopes and corners
- Also with 60 km/h approval

**9. Mobile FlexSharp knife grinding device**

- For knife sharpening even when installed
- Universal application for all Tigo XR, VR and PR - Usable for round baler knives

**10. Articulated drawbar with hydraulic height control and perfect ground contour following for best loading performance**

- Full crop flow through fully automatic adjustment with the PU opening angle remaining the same
- No more manual adjustment





## Concept.

The Fendt Tigo PR, VR and XR series are designed for High workloads All variants have the multifunctional bulkhead with Automatic loading and unloading. The models differ in width of the pick-up and the number of blades.



- Sturdy, compact design with high stability
  - Thanks to movable front wall utilisation of the space above the loading unit >> 6 m<sup>3</sup> DIN volume more
  - Approx. 1 m shorter than comparable station wagons
  - Highest payload and load capacity

- Perfect team, Fendt Vario with intelligent lightweight construction and Fendt Tigo with compact design and maximum payload
- Also 60 km/h approval for maximum transport efficiency



- Can be used as a loader wagon, for independent loading of the swath
- Can be used as a chaff transport wagon for transporting e.g. maize or GPS or other loads
- Can be used immediately without conversion, no ropes, no pipe brackets
- Dual use guarantees good utilization and cost efficiency
- Target groups
  - Contractor
  - mechanised farm
  - Biogas plant operator

- Very flexible, simple conversion from self-loading loader wagon to chopper wagon
  - Only install duct cover for rotor, otherwise do not remove pipe brackets or tensioning ropes
- Also suitable for transporting wood chips and other loads





## Pick-Up.

The best possible Cropflow forms the cornerstone of harvesting success. The pick-up of the Fendt Tigo VR, PR and XR have seven rows of tines with a width of 1.90 m (PR), 2.00 m (VR) and 2.20 m (XR), so they always give an excellent and efficient clean pick up. Through the low spacing between pick-up and rotor, the Fendt Tigo achieves an efficient and smooth crop flow.



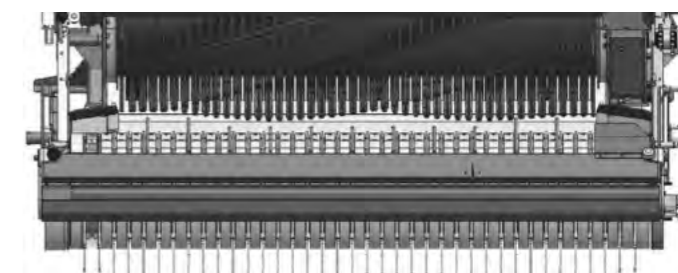


- Tigo XR is equipped as standard with hydraulic direct drive 2.20 m pick-up
- Tigo VR is equipped as standard with hydraulic direct drive 2.00 m pick-up
- Tigo PR is optionally available with hydraulically direct driven, extra wide 2.00 m pick-up
- Width of hydraulically driven pick-up according to DIN/tine to tine:
  - PR (option): 2.00 m (1.78 m rake width)
  - VR (series): 2.00 m (1.78 m rake width)
  - XR (series): 2.20 m (1.99 m rake width)
- Chainless, maintenance-free drive

- Speed continuously adjustable from 70 - 150 rpm
  - Adaptation to different harvesting conditions
- Wider PU for easy entry into the swath
- Faster ride in curves
- Increasing the overall efficiency of the machine

- Economic efficiency of a loader wagon depends on the pick-up capacity
- 7 rows of tines with a tine spacing of 54 mm
- Smooth running and clean raking, because without cam track
- Maintenance-free, no lubrication points and maintenance-free self-aligning ball bearings on the pickup
- Hot-dip galvanized components to protect against weathering and corrosive fermentation juices
- Less susceptible to wear, no controlled tines moving in curved paths
- High working speeds, efficient and clean swath collection

- Tigo PR is equipped as standard with a chain-driven 1.90 m pick-up (1.65 m rake width).
- Tigo VR is equipped as standard with a hydraulically driven 2.00 m pick-up
- Tigo XR is equipped with a hydraulically direct driven 2.20 m pick-up as standard



**Rake width**  
 Tigo PR: 1782 mm  
 Tigo VR: 1782 mm  
 Tigo XR: 1992 mm



- Each pick-up is equipped with plastic wipers instead of stripe plates
  - Improved crop flow, due to less friction compared to galvanized metal strip
    - Lining slides better
    - Less contamination, nothing sticks to plastic, even in wet conditions
    - Less wear, metal (tines) on plastic
  - Plastic gives way, does not bend
  - Roll hold down with one roll
  - Individual metal bars instead of a spreading plate for improved crop flow



- Centrally placed behind pick-up
  - 85 cm wide - large support surface
  - Should always have 2 - 3 cm ground clearance
  - Does not run permanently, ground contact only on uneven or wet passages
  - Protects pick-up from punctures and damage, especially in difficult ground conditions
  - Less tine wear
  - Less feed contamination
  - Adjustable via thread on the left and right behind the jockey wheels
  - Coupled with PU castor wheels, no loss of ground clearance when folded down



- Smallest cutting gap of only 3.5 mm
    - Width of the rotor tine contact surface: 25 mm
    - Total tine width (sum of all individual tine widths) PR-1025 mm (41 x 25 mm); VR-1025 mm (41 x 25 mm); XR-1150 mm (46 x 25 mm)
  - Rotor diameter 800 mm
  - Interaction of small cutting gap and wide rotor tines ensures perfect cutting quality and easy, precise cutting
  - Even if grass comes in lengthwise, it has no room to swerve to the left and right. Instead, it is actively pulled through the cutterbar
  - Even with wet, heavy material there is no "mushing" thanks to the large contact surface.
  - Gentle treatment of the feed for best feed quality



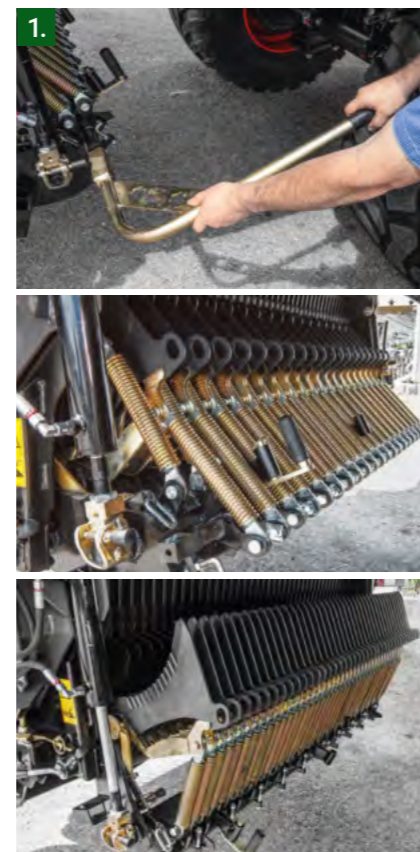


## Cutting system.

The cutting quality has a direct impact on the quality of the silage. The higher it is, the better the density, fermentation and ultimate forage intake. The combination of a high blade count (PR=40, VR=40, XR=45) and a pulling cut, in connection with the low cut clearance of 3.5 mm guarantees a clean and consistent cut forage.



1. • XR: 45 knives;  
VR: 40 knives;  
PR: 40 Knives
- Theoretical cutting length 37 mm
- Half blade set 74 mm
- Simple adjustment of the cutting length via tool lever
- Extension of the knives comfortably from the cabin or with push buttons on the left side
- Open cutterbar frame
  - Dirt can simply fall through to the bottom
  - Less cleaning effort
  - No blockades



2. • Mobile knife grinding device for grinding in the trolley or externally
- "Preparation knife grinding device" for the Tigo contains the support for the knife grinding device, the on/off switch and the intergated hydraulic piping in the trolley to drive FlexSharp.
- Knife sharpener FlexSharp is carried on the wagon
- One-time investment - not tied to a machine
- Can be used for the entire fleet of loader wagons
- Fendt round bale knives or knives from other manufacturers can also be ground
- Proper grinding, not just sharpening
- Sharp blades reduce fuel consumption and increase cutting quality
- Underframe (via AGCO-Parts) for knife sharpening outside the loader wagon (e.g. round baler knives)





## Bulkhead.

Compact, light, agile and at least one metre shorter than other loading wagons in its class: The Fendt Tigo achieves this, above all, through its multifunctional bulkhead. The space above the loading device is used and creates 6 m<sup>3</sup> more volume, allowing the vehicle to be shortened at the same time.



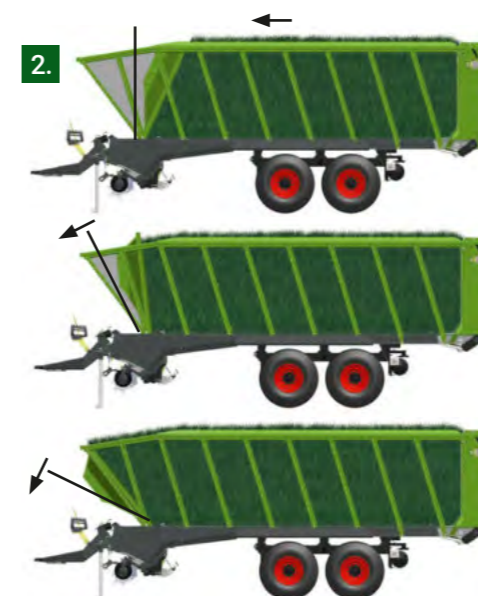
1. • Unique, multifunctional bulkhead with combination of pressure sensors and hydraulic cylinders
- 6 m³ more DIN volume by using the space above the loading unit
- More compact, lighter, more manoeuvrable and approx. 1 m shorter than cars with comparable load volumes
- Travel approx. 80° from the very front to the very rear
- Three bearing points in the lower cross frame
- No load-bearing element, completely closed upper frame >> protection against canting on slopes
- Moved by 2 hydraulic cylinders with integrated pressure sensors

- Special trough shape >> funnel shape is patented!
- Serves at the same time as prepress wall for integrated automatic loading and unloading system VarioFill



2. • Intelligent automatic charging and discharging
- Pressing pressure of the chuck infinitely variable via the terminal
- Silage high pressure, as much material as possible on one wagon
- Low pressure hay, avoid crumble losses
- Optimal adaptation to the respective harvest conditions for forage protection
- When the selected pressure is reached in the pressure sensors of the hydraulic cylinders, the scraper floor automatically moves backwards.
- When the trolley is filled, the front wall swings to level 1 until the pressure is reached.
- Then to power stage until completely filled
- Extreme comfort for riders on long days
- Just drive, don't always turn around

3. • Unloading can be done in automatic mode, everything is started with 1 push of a button
- During the unloading process, the scraper floor and front wall start simultaneously
- End wall helps to push the feedstock
- Starting torque of the scraper floor chains is reduced
- Protection of scraper floor drive and chains
- As wall swings completely backwards, the last "feed wedge" is actively conveyed towards the scraper floor
- Only combination of lowered scraper floor (no feed channel) and adjustable front wall can cleanly empty trolley
- No manual clearing necessary for the last load





## Scraper floor.

On the Fendt Tigo loader wagons PR, VR and XR, the scraper floor is lowered by 250 mm, so the forage does not have to be pushed up into a feed channel. This guarantees an efficient loading and unloading process.



1. • Scraper floor lowered by 250 mm
  - Reason for lowered scraper floor:
    - Tyres are getting bigger and bigger
    - Additional height must be bridged
    - A feed channel, which additionally compresses, can thus be avoided
  - Smooth loading process, chuck does not have to be pushed up a chuck channel
  - Optimum discharge in conjunction with flexible end wall
  - Hot-dip galvanised steel floor (3 mm) for both PR and VR and XR series
    - Protection against corrosive fermentation juices
    - Clean emptying
    - Lining slides down better



2. • Flat link chains (XR series)
    - Breaking load 60 t (4 x 15)
  - Round link chains (VR and PR series)
    - Breaking load 50 t (4 x 12.5)
    - Easy and individually replaceable, as screwed and not welded
  - Additional guide rails on steel base
    - Reduced wear
    - Bolted and individually replaceable
- 
3. • PR, VR and 65 XR - one-sided scraper floor drive with 2-stage hydraulic motor
    - XR (75 + 100) - scraper floor drive on both sides with 2-stage hydraulic motor
    - Unloading speed infinitely variable
    - In addition, a rapid traverse is available for fast and efficient unloading with up to 25 m/min.
    - Models without metering rollers can also be optionally equipped with a scraper floor return
      - Enables loading of the machine from the rear
      - For example, square bales can be loaded in this way
    - During the unloading process, the front wall helps to push the feeder and thus reduces the starting torque.



## Dosing roller.

4. • All wagons of the Tigo PR, VR and XR series can optionally be equipped with unloading dosing rollers
  - Two versions are available (two or three rollers)
  - Closed rollers with aggressive profile
  - Cut grass, corn or even WCS exactly from the fodder stock and ensure a precise unloading process
  - By unloading with dosing rollers, the crop can be distributed as a uniform "carpet" on the clamp
  - For more loading volumes, the individual rollers can be simply removed







## Structure.

The Fendt Tigo PR, VR and XR can be used both as a self-loading loader and harvest wagon. The combination of the highest payload and double uses ensures first class utilisation and increases the productivity of the Fendt Tigo. Long life and robustly constructed components keep the Fendt Tigo in the field.

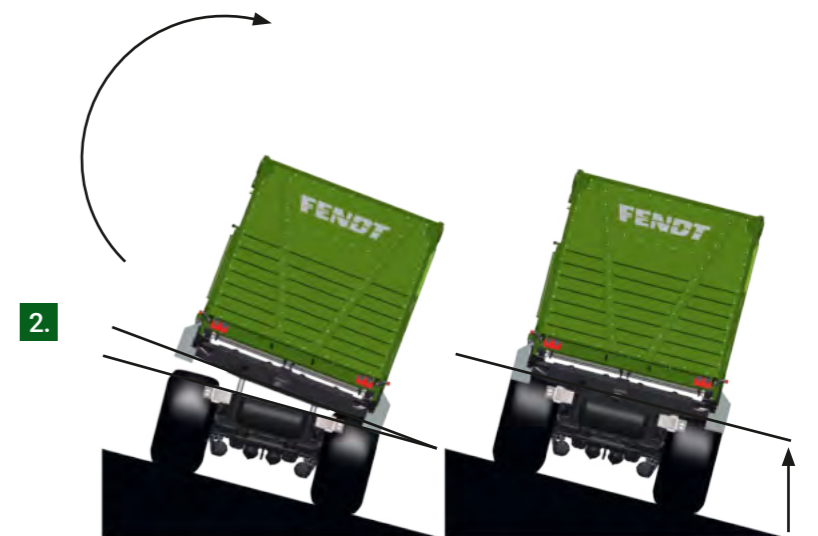


**There are available:**

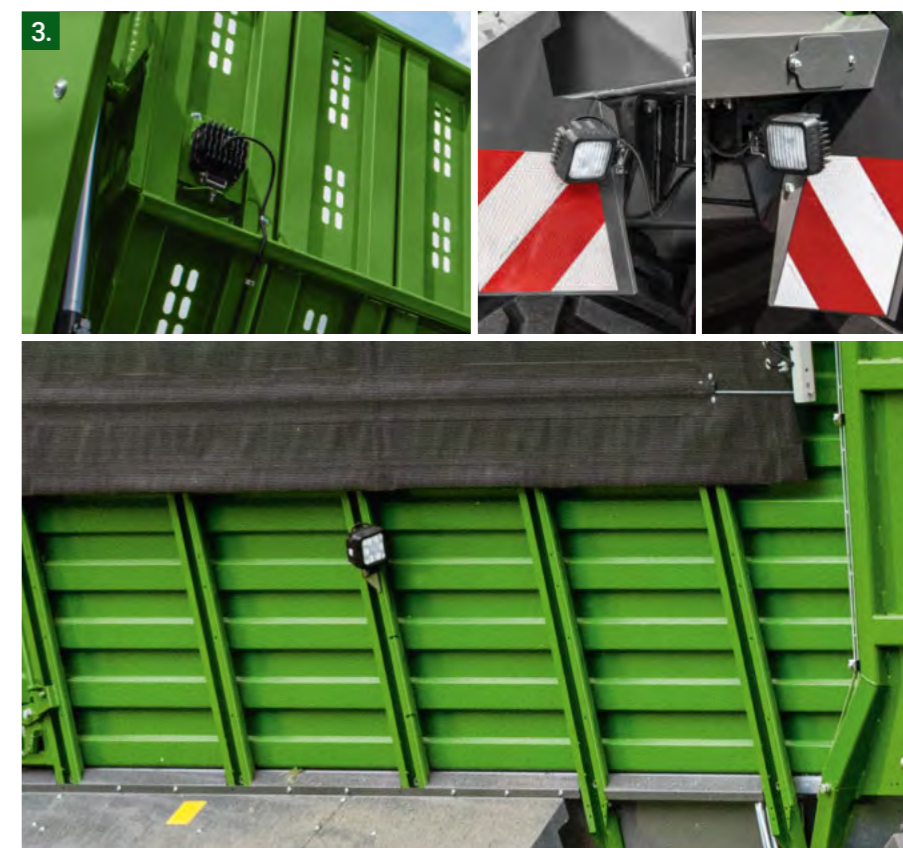
- Boogie-chassis
- Hydropneumatic 2-axle chassis
- Hydropneumatic Tridem chassis
- 60 km/h approval
- 1-circuit hydraulic brake system\*
  - Operating pressure must be provided by towing vehicle
  - may be required by law in specific countries

\*for FR only

2. • High safety gain when used on slopes
  - Effective in curves
  - Counteracts rolling movements
  - Increased safety and driving comfort in road traffic and transport
  - In addition to the suspension, aLevel control obstructed
  - Hydraulic stabilisers ensure that the set level is always maintained
  - When high car tilts downhill, stabilizers push the car back to level, i.e. parallel to the slope.



3. • Two reversing lights for safe reversing at night
  - A spotlight for the load compartment for better loading in chopping operations
  - Manually switchable, if required
  - LED headlights are standard on XR, optional for PR and VR
  - Optional two additional side LED worklights for Tigo PR, VR and Tigo XR for better ambient lighting
  - Up to 5 worklights in total





## Operation.

With the unique operating concept, all settings can be adjusted using all three different control options. The loader wagon can be easily controlled with ISOBUS via the Varioterminal or the most important functions can be assigned to the Fendt Vario joystick. We have the perfect Fendt Tigo for every customer.



2. • Fully automatic throughput control thanks to "TIM ready" as an option for Tigo VR and XR
  - TIM = Tractor Implement Management
  - Tigo VR/XR can actively adjust the speed of the tractor in combination with a TIM-capable tractor, depending on the swath volume.
  - When the swath volume is high, the speed is reduced, when the swath volume is low, the speed is increased.
  - With TIM, the combination wagon controls the driving speed of the tractor depending on the pick-up load
  - A speed sensor on the pick-up draws conclusions about the torque applied to the pick-up.

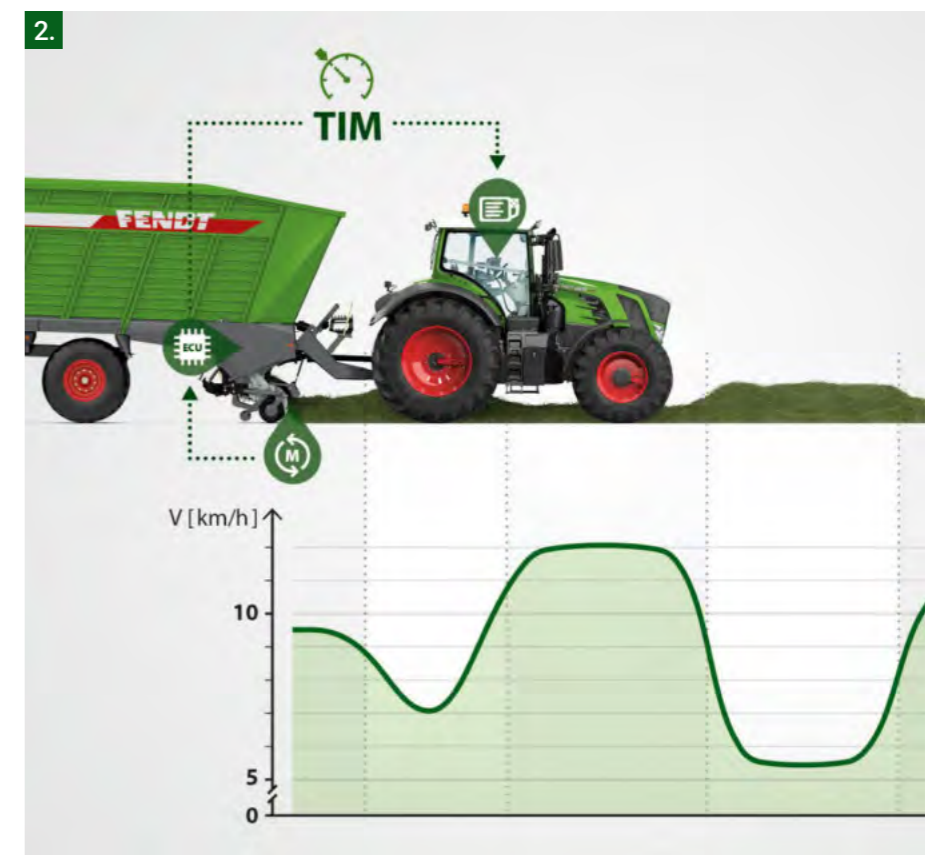
- A team of Fendt Vario and Tigo VR or XR optimises itself and always works productively
- Driver is relieved and can fully concentrate on monitoring the loading process
- Perfect combination of Fendt Vario and Tigo VR or XR

1. • Unique operating concept
  - Simultaneous operation via Varioterminal, loader wagon terminal and joystick possible
  - Loader wagon can also be operated exclusively via loader wagon keypad
  - All other functions via Varioterminal or travel lever transfer
  - Tractors without ISOBUS can also be controlled via the loader wagon terminal.
  - As soon as an ISOBUS-capable tractor is on the farm, it can be operated via the terminal.

- Control unit (membrane keypad) is optionally available
  - can be used parallel to machine operation via ISOBUS
  - All functions of the machine can be operated
  - Must be mounted in the cabin of the towing vehicle



Parallel operation via control lever transfer, Varioterminal and Tigo-Terminal (option)





## Fendt Services.

A Fendt machine is a high-tech product for the highest of demands. Accordingly, the certified Fendt sales partners offer first-class service.

**FENDT**  **+44 330 123 9909**  
CUSTOMER  
HOTLINE

You can reach the certified service partners around the clock via the Emergency Hotline.





**The best product under the best protective shield.**

- Extraordinary service partners and service:
- a short distance between our trained service employees and you
  - 24/7 Replacement parts availability during the season
  - 12 month guarantee on Fendt original parts and installation

**100% quality. 100 % Service: Fendt Services**

- Fendt Demonstration Service
- Fendt Expert Driver Training
- AGCO Finance - Financing and Leasing Offers
- Fendt Care - Maintenance and warranty extension
- Fendt Certified – Used machine programme

**Fendt Certified / Fendt Care.**

**Ensure the operation of tomorrow today.**

**Fendt Demonstration Service**

- Get on and try it out, instead of just talking about it
- Basis for an optimal decision-making process

**Fendt Expert Driver Training**

- Exclusive practical training with professional trainers
- Optimization of efficiency by learning all of the functions and exploiting the entire performance potential of the Fendt machine.

**Individual financing and leasing models.**

- Credit financing by AGCO Finance with attractive conditions and flexible terms
- Tailored leasing offers via the Fendt sales partner



**Fendt Certified – Used machine programme**

Used agricultural machines with proven high-quality and certified Fendt quality

Advantages:

- Certification according to demanding quality standards
- Extensive initial check (technology, wear, appearance)
- Meticulous maintenance of wearing parts
- replacement, cleaning and painting of components as needed
- one year warranty (can be extended)

**Fendt Care - Maintenance and warranty extension**

- Tailored maintenance and repair service that goes beyond the legal warranty
- Flexible run-times
- Flexible rates with and without deductible
- Only original parts used with guaranteed production quality and tested for functional reliability for optimal value retention of the Fendt machine.



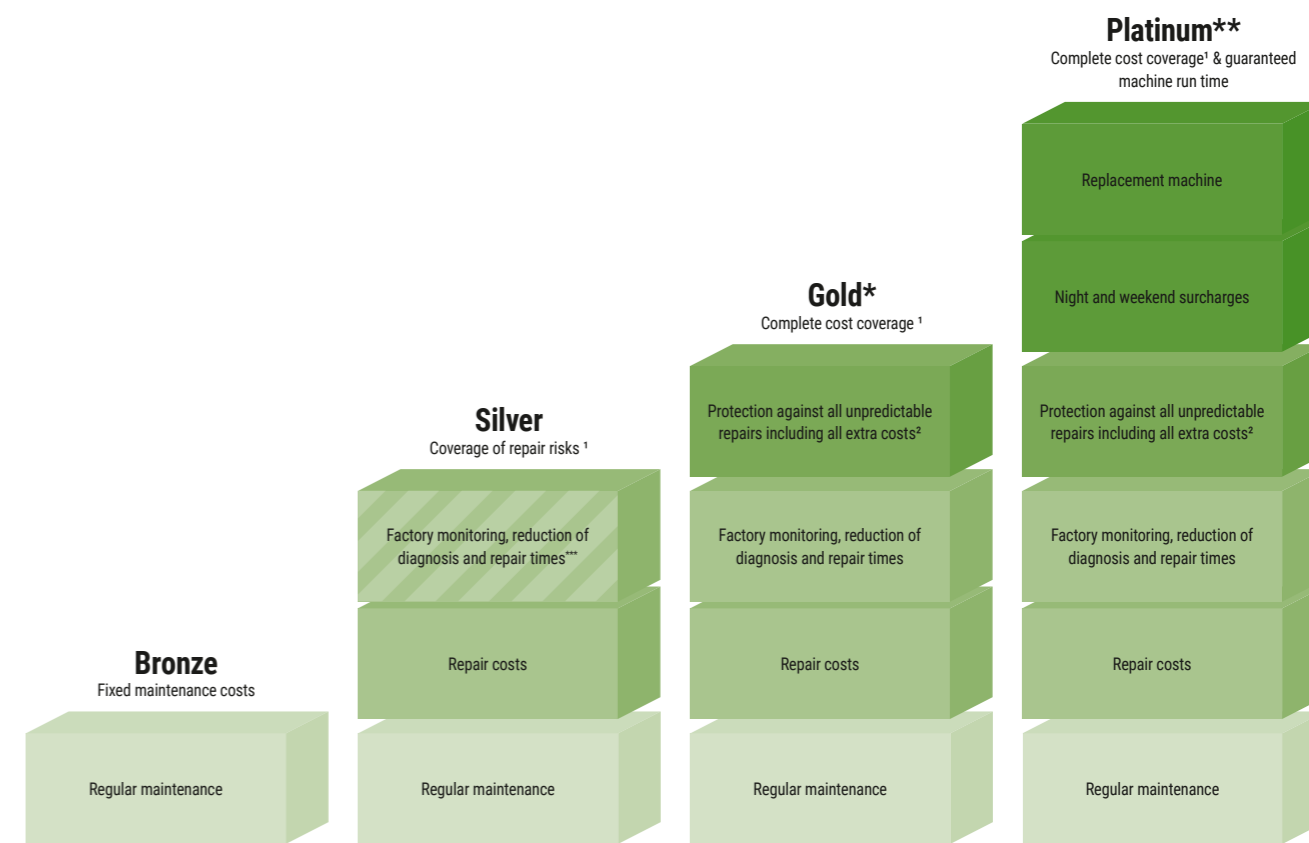
## Planning security.

### Fendt Care Rates

- Comprehensive range of services to ensure operational safety and the risk of repairs on new machines
- Full cost control with the best service
- Tailored solution for the fleet from maintenance contract to complete worry-free package including replacement machine

### Smartphone-App "AGCO Parts Books to go"

- Find replacement parts quickly and order directly
- Download via the App Store or the Google Play Store
- Access data via the Fendt sales partner



	Complete Fendt Portfolio	Complete Fendt Portfolio	Wheeled tractor with Fendt Connect & telescopic handler <sup>3</sup>	Wheeled tractor with Fendt Connect
<b>Available for</b>	Complete Fendt Portfolio	Complete Fendt Portfolio	Wheeled tractor with Fendt Connect & telescopic handler <sup>3</sup>	Wheeled tractor with Fendt Connect
<b>Customer benefit (deductible)</b>	Operation safety of the machine	Coverage of large-scale damage <sup>3</sup> (490 €) <hr/> Comprehensive coverage at attractive rates (190 €) <hr/> Complete coverage with full cost control (0 €)	Complete coverage with full cost control including all extra costs (0 €)	Complete coverage with full cost control including all extra costs & guaranteed machine run time (0 €)
<b>Maximum coverage</b>	8 Years / 8,000 OH	5 Years / 3,000 OH	3 Years / 4,000 OH <sup>4</sup>	5 Years / 25,000 Bales <sup>4</sup>
<b>Warranty extension</b>		5 Years / 5,000 OH	3 Years / 2,000 OH <sup>4</sup>	5 Years / 50,000 Bales
			8 Years / 4,000 Pump-H	5 Years / 8,000 OH
				5 Years / 750 OH <sup>7</sup>

OH = operating hours; H = hours; <sup>1</sup> except for wear and tear; <sup>2</sup> travel costs, recovery/towing, fault finding with additional diagnosis tools, use of performance test stand, oils and filters, if motor/drive is repaired; <sup>3</sup> only available for self-propelled machines, RG300 & Momentum; <sup>4</sup> only ISOBUS-equipped devices; <sup>5</sup> only PR, VR & XR; <sup>6</sup> including Rolllector; <sup>7</sup> only Momentum 16 & 24; \*Gold rate for telescopic handler also available without Connect; \*\*Platinum only available in DE, EN, FR; \*\*\*optional with Fendt Connect





# FENDT

It's Fendt. Because we understand Agriculture.



[www.fendt.com](http://www.fendt.com)

AGCO GmbH – Fendt Marketing  
87616 Marktobendorf, Germany

 **AGCO**  
Your Agriculture Company

Fendt is a worldwide brand of AGCO.  
All details regarding scope of delivery, appearance, performance, dimensions and weights, fuel consumption and running costs of vehicles reflect the latest information available at the time of print. These may change by the time of purchase. Your Fendt dealer will be happy to inform you about any changes. The vehicles shown do not feature country-specific equipment.