

FENDT

Fendt 800 Vario





Superior. To the last detail.

The new Fendt 800 Vario is the popular high-horsepower tractor that scores high in compactness, flexibility and performance. With up to 287 hp, they are not only powerful in the field, but also superior for transport work. It is also superior down to the last detail, with intelligent and efficiency enhancing technologies, such as the tyre pressure regulation system VarioGrip, automated steering and much more.



Superior speed. Effortlessly.

Large-scale farms that are looking for flexible solutions for field and transport work, clearly choose the Fendt 800 Vario. In Western Europe, nearly every third tractor 200 hp and up is a Fendt Vario. No other manufacturer has such a strong position in this power segment. And that is no coincidence, because Fendt offers professional complete solutions for professional customers.

Efficiency in motion

Speed is a must for transport work – exactly the right thing for the new Fendt 800 Vario with a top speed of 60 km/h. Dynamic, lively and with a straightforward design, it excels on the road and in the field.

- Integral tyre pressure regulation system Fendt VarioGrip
- TMS with auto. max. output control 2.0
- Very lightweight base tractor with 9.5 t unladen weight and up to 16 t permissible overall weight
- High payload of up to 6.5 t
- x5-cab with 3.5 m³ of air space and a panoramic windscreen
- VariableRateControl (VRC) for precision farming
- Automatic SectionControl
- Automatic radiator cleaning with reversible fan
- LED lighting concept for driving and work lights
- Auxiliary control valves with replaceable (FFC) cartridges and up to 170 l/min maximum flow



Tested efficiency.

Fendt stands for efficiency and low fuel consumption. The best proof for that is the practice-oriented DLG PowerMix test: According to the DLG PowerMix test, with a result of 248 g/kWh diesel and 14.1 g/kWh AdBlue consumption*, the 828 Vario is one of the most economical high-horsepower tractors that has ever been tested.

* Results for the Fendt 828 Vario according to the DLG PowerMix test in the 178 kW/240 hp to 220 kW/300 hp category, from profi (12/2014)

Superior performance.
Perfection in detail.

	kW	hp
Fendt 822 Vario	166	226
Fendt 824 Vario	181	246
Fendt 826 Vario	195	265
Fendt 828 Vario	211	287

Rated power to ECE R120

AN INTEGRAL APPROACH THROUGH EXPERIENCE

Superior traction.

Integrated enhanced performance

The Fendt 800 Vario incorporates fundamental innovations that boost the efficiency of this tractor series even further. With an improved dynamic response, a higher torque and greater power availability, this tractor delivers a lively driving experience up to 60 km/h. At the same time, smart solutions such as the TMS tractor management system keep the consumption of both fuel and AdBlue low. The VarioGrip tyre pressure regulation system provides efficiency that is transferred directly to the ground.

Integral tyre pressure regulation system Fendt VarioGrip

Optimal tyre pressure delivers clear benefits, as it saves up to 8% fuel and increases area coverage by up to 8% according to independent studies.* Tractive power can also be increased by up to 10%,* soil compaction is reduced, and yield losses are therefore effectively prevented. Tyre pressure is increased for road travel to ensure more stable handling and lower roll resistance, which again reduces fuel consumption and tyre wear. VarioGrip can also be operated automatically via the Variotronic™ headland management.

*South Westphalia University of Applied Sciences, Agriculture Soest

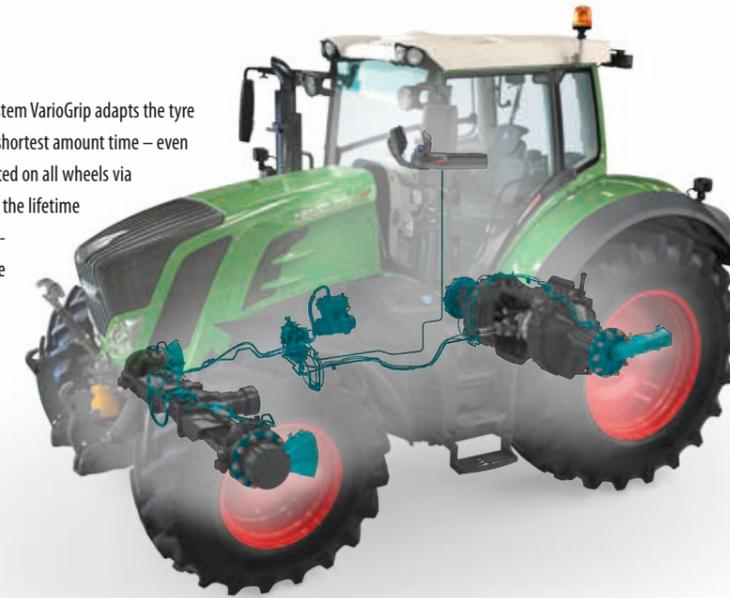
Lightweight with high payload

No matter if you are using your Fendt 800 Vario primarily for arable farming, transport or specialty operations – you profit from the low unladen weight of only 9.5 t in any case. On the one hand, you have high payload reserves of up to 6.5 t and on the other, you do not need to transport unnecessary weight. A tailor-made ballast concept is ideal for heavy draft work.

Pulling power through self-levelling front axle suspension

The coordination of the front axle suspension of the Fendt 800 Vario has been optimised for heavy draft operations. This enables a 7% higher transfer of traction than an axle without suspension, since the wheels adapt themselves ideally to the ground, which prevents inefficient power-hopping.

The integral tyre pressure regulation system VarioGrip adapts the tyre pressure from 0.6 to 2.5 bar within the shortest amount time – even while driving. The tyre pressure is adjusted on all wheels via integrated rotary joints designed to last the lifetime of the tractor. Air is supplied via a water-cooled double-compressor as well as the vehicle's own valve equipment.



Using the Varioterminal, the tyre pressure of the tractor can be controlled with just a push of a button. The assistance system informs drivers about too low or too high tyre pressure.



ENGINE AND EXHAUST TECHNOLOGY

Superior performance. Perfection in detail.

More dynamics and more stable speeds thanks to twin turbocharger

With up to 287 hp maximum output, the Fendt 800 Vario delivers high performance. The six-cylinder Deutz engine, featuring a common rail high-pressure injection system and a 6.06 litre cubic capacity, provides liveliness and dynamics. A high injection pressure of 2,000 bar ensures fine atomisation and therefore the best combustion in the engine.

Fuel efficiency thanks to low rated speed

The high-performing engine allows the rated speed to be reduced to only 2100 rpm. This not only further improves fuel efficiency, but also provides for a pleasantly low noise level.

Can do more with twin intercooler

The air that has been pre-compressed in the turbocharger is cooled down by an additional charge-air intercooler, before it is further compressed in the high-pressure turbocharger. Thus the engine can take in a larger air mass with the same volume, which also means more oxygen. This results in more efficient fuel combustion and improved performance.

Optimal solution for emissions Stage 4 / Tier 4 Final

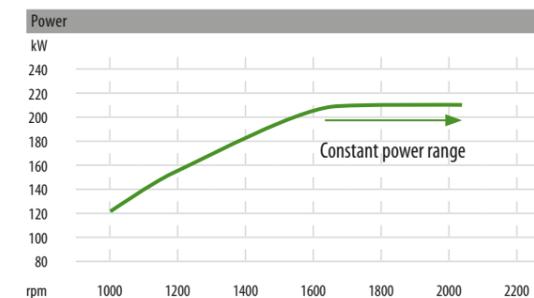
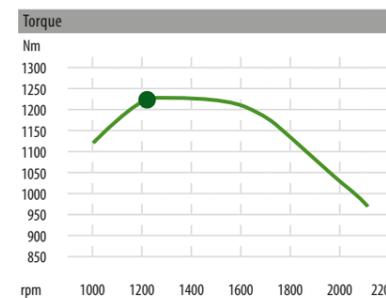
Implementing an intelligent solution for compliance with the new Tier 4 Final emissions standard is decisive for the economy of the drive train. This is why the Fendt engine is equipped with exhaust after-treatment that reduces fuel and AdBlue consumption to a minimum. This exhaust after-treatment features a combination of SCR technology, a passive diesel particulate filter and AGRex exhaust gas recirculation.



A reversible fan is capable of automatically reversing the air flow so the cooler elements are effectively blown clean. This feature is also available as a headland management sequence. Even more, the position of the fan blades is automatically adjusted in keeping with cooling requirements for even greater cooling efficiency. This saves fuel.



The combination of external exhaust gas recirculation (AGRex), passive diesel particulate filter (CSF) and SCR technology delivers a particularly sophisticated solution for extremely low operating costs.



Engine characteristics – Fendt 828 Vario
Through the well-rounded torque curve, more power is already available in the lower speed range. Furthermore, the constant power range provides a broader engine speed band over which the maximum power can be called up. Within this band, the rated output is equivalent to the maximum power.

SUPERIOR TRANSMISSION TECHNOLOGY

Steplessly efficient. Fendt Vario transmission.

Continuously variable Vario transmission ML 220

For years now, continuously variable transmissions have proven their leading efficiency and performance and have become the first choice. Operators are always in the position to work at the optimal speed, which means considerable savings potential. You save valuable working time in different operations through higher area coverage and also profit from low fuel consumption.

Perfect settings and driving strategies

Thanks to intelligent pre-settings, it is easy to perform work. Engine and cruise control speeds can, for example, be pre-programmed on the Varioterminal and easily activated during operation using the multi-function joystick. This is particularly useful for PTO work, among others. The different driving strategies are also adapted to operations and individual preferences. Speed, for example, can be controlled either via the joystick, which offers four acceleration levels, or the foot pedal.

Automatically at the optimum

The concept of continuous variability also extends to other important automated functions that further optimise the interaction between the engine and transmission and reduce the operator's workload at the same time. This most important function in this context is the fully automatic maximum output control 2.0. This feature regulates the transmission ratio dependent on the pre-set speed and power requirements to ensure that the engine speed consistently remains within the optimal fuel consumption range. There are different optimum values that can be set as the load limit for different operations, for example transport, heavy-duty draft work or for work with PTO-driven implements. The tractor automatically sets the optimal maximum output. Operators therefore do not need to intervene to adjust the maximum output control for each task. And the interplay between the engine and transmission is just right for every operation. Alternatively, operators can also adjust the automatic maximum output control manually.

The Fendt Vario transmission is a hydrostatic-mechanical power split drive. With increasing speed, the share of the mechanical power transmitted through the planetary set increases. The hydrostats can be swung 45 degrees and have a high operating pressure of max. 550 bar – this ensures exceptional efficiency.



The inner housing of the transmission unit has been strengthened. It stands up to higher pressure and is designed for increasing demands.



The tractor regulates the load limit fully automatically and adjusts the engine speed and transmission ratio. In this way, the engine and transmission are perfectly coordinated, which means extremely low fuel consumption.

FENDT X5 CAB

Details that delight.

More space. More visibility. More ergonomics.

The Fendt 800 Vario offers you a workplace with plenty of free space. From the driver seat, you can control all working procedures with the Variotronic and always have everything in view. Automated functions keep your performance and concentration at a high level over the entire work day.

3.5 m² operator paradise with panoramic view

Take your place in the big x5 cab, which offers a generous amount of space and provides exceptional visibility through the large glass areas – a true panoramic view. The automatic air-conditioning system guarantees a pleasant temperature in the workplace at all times, beverages from the air-conditioned cool box provide refreshment. On cold days, the seat heater is a plus in comfort that you would not want to miss. And when you're not working alone, a comfortable seat is available for your passenger.

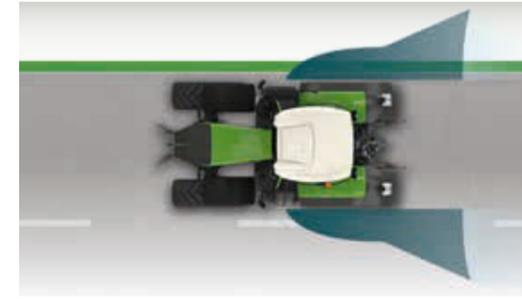
Unique safety with laminated safety glass

The front windscreen of the Fendt 800 Vario is made of laminated safety glass. Fendt has introduced this ground-breaking innovation in agricultural equipment to increase the safety of both drivers and passengers. The front windscreen cannot shatter, it is always held together by the lamination layer when damaged. The green shade band on the upper edge of the windscreen protects against glare. The windscreen with laminated safety glass also has a built-in heater.

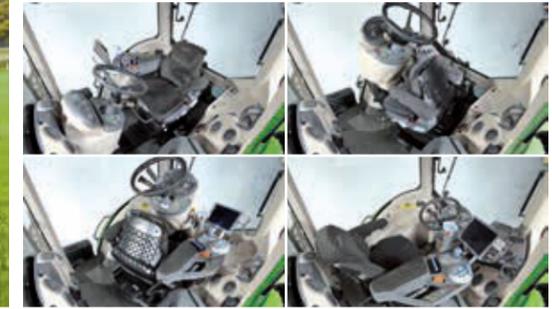
Comfortable seats and many practical aids

The mechanical three-point cab suspension reduces vibrations to a minimum and provides maximum ride comfort. The absolute highlight in ride comfort results from the combination of front axle suspension and pneumatic cab suspension along with active suspension on the driver seat. A number of small details in the cab are simply a joy: a cooling compartment, various storage spaces and much more are your practical daily helpers.

The optional wide-angle mirror expands the field of vision, which greatly enhances safety. The hazard zone, which is usually located in the blind spot, is easier to see into and unforeseen situations can be avoided.



To expand the operating spectrum even further, Fendt offers a factory-installed full-function reversing driver station. It only takes a few steps to turn the driver seat around 180 degrees, including the steering wheel, multi-function armrest and all the control elements.



The automatic climate control in the x5 cab ensures pleasant temperatures inside the cab.



The 300° wiper enlarges your field of vision and keeps the window clean, even under the most adverse conditions, so you always have a free view over the entire front of the tractor and into the wheel arches.



Hands-free phone conversations are possible in best audio quality thanks to the flexible, moveable swan-neck microphone.

FENDT VARIOTRONIC

Varioterminal and implement control.

Flat menu hierarchy and everything in view

Fendt has been consistently following the one-terminal strategy. The result is the unique integration of functions in just one terminal. A flat menu hierarchy and clutter-free display make it quick and easy for operators to familiarise themselves with the Varioterminal and have all the information they need available at a glance. The high-resolution, glare-free screen in smartphone design and all function indicators automatically adapt to ambient light conditions. The anti-glare night mode makes night work a breeze.

The Varioterminal 7"

The new Varioterminal 7-B with LED backlighting combines all tractor and implement functions on a single terminal. ISOBUS-capable implements can also be controlled directly with the Varioterminal. A flat menu hierarchy and clear display make navigation a breeze. Simply touch the corresponding menu item directly on the touchscreen or click a key. The LCD display in smartphone look has a sharp resolution of 480 x 800 pixels and brilliant colours. It is extremely scratch-proof and easy to clean.

4-in-1 terminal: Das Varioterminal 10.4"

Tractor and implement controls, camera function as well as guidance and documentation are completely integrated in the Varioterminal 10.4-B. The straightforward screen layout is practical and can display full-screen and half-screen modes as well as four individual images, each with a different function. The high-quality touch display made of scratch-proof glass has a resolution of 800 x 600 pixels and 16 million colours for a sharp image, even in night mode. Touch operation reacts sensitively and quickly. Key operation is also available.

Perfect for all operations

For the Fendt Variotronic, the ISOBUS interface is the decisive link to the implements. Using Variotronic Implement Control, all devices that are compatible with ISO 11783 can be operated easily and quickly with the Varioterminal and, if supported, with the multi-function joystick as well.

The new Varioterminal 10.4" convinces with its smartphone look and an optimised touch surface. It is standard in the ProfiPlus equipment level. It is also available in the Profi version upon request.

The Varioterminal 7" is a practical, highly functional companion for tractor and ISOBUS implement control.

ISOBUS implement control and headland management functions can be assigned freely to the multi-function lever. Variotronic[®] automatic, combined with the VarioGuide automatic steering system enables the automatic activation of sequences at the headlands.



With Variotronic[®] headland management, operators can create operating sequences for turns, while driving or standing still, and save them. Settings for engine and transmission control, hydraulic valves, front and rear linkages, front and rear PTOs, track guidance and tyre pressure regulation along with their respective functions can be made via the headland management system and called up easily.

4-way multi-function joystick with additional operating buttons for the 3rd and 4th auxiliary hydraulic control units, cruise control and engine speed memory buttons and activation of the Variotronic[®]

FENDT VARIOTRONIC

Precise track, perfect application, greater yields.

Always on the ideal track

With Fendt VarioGuide you can drive reliably and accurately, even in areas with difficult reception conditions. Fendt VarioGuide permits the highest possible utilisation of your machines, because you can work without actively having to steer, even at night or with large working widths. With VarioGuide, the tractor automatically maintains the ideal line so that you can concentrate fully on the implement. Overlapping is reduced and, depending on the working procedure, savings of three to ten percent can be achieved. Two levels of accuracy are available for different application needs: the VarioGuide Standard achieves a precision of approx. 20 cm, while the VarioGuide RTK delivers 2 cm accuracy.

Unique flexibility in receiver selection

With the new version of Fendt VarioGuide, there are now two different receiver systems available, NovAtel® and Trimble®. Existing Trimble® RTK infrastructures on the farm, such as NTRIP, can continue to be used. A number of correction signals are supported, depending on the receiver, for example, EGNOS/WAAS or RangePoint™RTX™, CenterPoint RTX™ and Ntrip. Should you lose your signal due to the terrain, the Trimble®-xFill™ technology integrated in the VarioGuide ensures that you will reliably be able to continue working for up to 20 minutes even without a correction signal.

Variable application with VariableRateControl (VRC)

Data transfer via VarioDoc Pro supports variable application rates that are individually adapted to local soils or crops and therefore save farm inputs. VariableRateControl (VRC), a new solution for precision farming, is now available based on VarioDoc Pro documentation. Individual requirements for seeds, fertiliser and pesticides are visualised on application maps, called up during work and automatically executed. This delivers farmers the decisive advantage of being able to define and plan farm inputs in field files and then apply them with the utmost precision.

From the field database to the application map

VariableRateControl (VRC) is based on the ISOBUS standard with TC-GEO functionality. The application map is created with the aid of a compatible field management system and transferred to the Varioterminal via VarioDoc Pro. VariableRateControl allows up to five application maps to be processed in parallel. Additionally, an as-applied map of the applied quantity is created for later checking. Tank management is available for large implements, which have several containers. It can define whether the containers are emptied parallel or in a specific sequence – if the implement supports this function.

The fully automatic SectionControl for ISOBUS implements ensures that seeds, fertiliser and pesticides are applied evenly without overlaps. This prevents double treatment and areas worked outside of the field boundaries. With the aid of the SectionControl assistant, you can set the correction values for each implement, quickly and easily. The switch on and off points can be set precisely from the very beginning, which automatically results in economical application.



When operating ISOBUS-compatible sprayers, fertiliser spreaders or seed drills, SectionControl is now capable of switching up to 36 sections.



With the Fendt Variotronic, you benefit from your Fendt software being updated during workshop services, including new, additional functions.



With VariableRateControl (VRC), you can farm according to site-specific application maps, depending on the ground and crop. So you can save on inputs.

DATA TRANSFER AND DOCUMENTATION

Networking that adds value.

Efficient from tractor up to fleet

The operating strength of your fleet is optimised as soon as the machines are connected effectively to each other. The newest interfaces and software solutions already permit machine data to be called up independent of location today, which enables immediate reaction. This allows you to accelerate response and operating times for your entire fleet at the push of a button.

Your work at a glance with Fendt VarioDoc

For agricultural entrepreneurs, documentation forms the most important basis for modern farm management. With VarioDoc, relevant data can be recorded with a minimum of effort, documented in the field record and then analysed, all in the shortest amount of time. The data is transferred wirelessly from the Varioterminale to the field database using the ISOBUS Standard TC-BAS. Data on the quantity of seeds and fertiliser applied or the fuel consumption per hectare is available immediately after the work is done. Additionally, jobs can be created in the PC and sent to the terminal.

Fendt VarioDoc Pro: real-time data monitoring

VarioDoc Pro also permits recording of GPS position data and data transfer in near real-time Automatic, seamless exchange with ISOXML-compatible field management software and mapping in real-time is therefore possible. Data such as the remaining time and area and required fuel is transferred according to the TC-Geo standard and can be called up on the Varioterminale while working.



VarioDoc enables wireless data transfer from the Varioterminale to the field database. VarioDoc Pro continually records position and machine data and data transfer is possible via mobile network.



AGCO's all-encompassing Fuse Technologies™ electronics strategy provides seamless integration and networking of the entire fleet for farmers and contractors. Under the name Fuse Technologies™, AGCO and Fendt provide solutions for precision farming that reduce operating costs and make machine operations even more efficient and profitable.

PROVEN BEST PERFORMANCE

Tested efficiency.

Higher efficiency and performance

A decision for a Fendt always means a decision for leading technology in any performance class. Fendt tractors allow professional farmers to achieve MORE with LESS – more yields using less resources such as fuel, farm inputs and time. The Fendt 800 Vario achieves this with equipment options such as the VarioGuide guidance system, SectionControl and the VarioDoc documentation system. Outstanding fuel economy goes without saying in any Fendt.

More from less

Fendt stands for efficiency and low fuel consumption. This has been clearly proven in the practice-oriented DLG PowerMix test, in which the Fendt 828 Vario consumed only 248 g/kWh diesel and 14.1 g/kWh AdBlue.* The Fendt 800 Vario is full of internationally award-winning innovations such as the VarioGrip fully integrated tyre pressure regulation system.

Absolutely easy to operate

Optimal diagnostic capabilities and long maintenance intervals ensure that the tractor keeps on running. Remote transmission measuring points permit fast and simple diagnostics without having to disassemble wheels. Faults are analysed quickly based on error messages displayed on the Varioterminal. The separate oil supply means the transmission and hydraulic oil only needs to be changed every 2,000 hours under normal conditions. The maintenance-free diesel particle filter incurs no maintenance effort or costs. The Fendt 800 Vario has a number of factors that keep downtimes and maintenance costs low.

Invest in profitability

Overall profitability distinguishes the entire product line of the premium brand Fendt. The efficiency of the products guarantees the best cost-effectiveness per hectare. In combination with the extremely high retention of value of a Fendt, you also get an unbeatable resale value at the end of your tractor's service life. As a trendsetter, Fendt continually sets important new standards and installs technology that continues to be in demand in the future. Add to that the high quality, which stands for operational reliability and a long life. The total is a retention of value that only Fendt can offer you.



Driver training for Vario pros: Fendt expert trainings teach you how to use all of your tractor's functions efficiently. Our team of professional trainers offers you competent instruction to enable you to utilise the full performance potential of your Fendt tractor. Simply register through your Fendt dealer. You will find further information at: www.fendt.com/training



"The overall consumption of 248 g/kWh (+14 g/kWh AdBlue) are even better than the 246 g/kWh (+22.5 g/kWh AdBlue) for the IIB machine – and over 15% less than consumed by the average!"

Results for the Fendt 828 Vario according to the DLG PowerMix test, profi tractor test, issue 12/2014

"VarioGrip increases productivity tremendously. Compared to an average pressure of 1.6 bar, a pressure of 1 bar or less in the field and 2 bars on the road increases performance by 15%."

Matériel Agricole, Issue 4/2015

Silver for the integrated tyre pressure regulation system Fendt VarioGrip

Awarded at the Agritechnica 2009.

Silver for the load relief front linkage control

Awarded at the Agritechnica 2011.

"Besides the low fuel consumption, we should also mention the substantially lower wear – and therefore higher life of the MPT tyres – (Reckleben et al. 2013) as well as the higher payload due to the reduced weight."

Transport test Technical University Munich 3/2015

"And that the Fendt is a transport expert is not only apparent in the optionally available 60 km/h top speed. At 40 km/h, the consumption was nearly 20% below the average of all previously measured tractors. At 50 km/h it was also 17% less. At 60 km/h there are, of course, no results for any competitors..."

profi, Issue 12/2014

FENDT STARSERVICE: SIMPLY OUTSTANDING SERVICES

Get more from your investment.



100% quality, 100% service: Fendt StarService
To ensure that your Fendt 800 Vario delivers 100 percent performance at all times, we offer you 100 percent service. In addition to the best diagnostics-capability and ease of repair, this includes availability of replacement parts 24/7 during the season. Furthermore, the Fendt Service network guarantees short paths between you and our trained Service staff. You also get a 12-month warranty on original Fendt parts and their installation. Repairs with original parts ensure that your Fendt tractor retains its value.

Performance and profitability under contract
A Fendt StarService contract gives you full cost control with the best service. The Fendt service package includes all the prescribed maintenance work based on attractive fixed prices. The ProService package comprises regular maintenance and repairs as well as an extended warranty of up to 6,000 total operating hours or up to five years respectively.

Individual financing and rental models
Purchasing machinery is a high capital investment. Your Fendt dealer will assist you in working out a customised financing plan for your new machine together with the agricultural financing experts at AGCO Finance. If you have a short-term need for additional capacity or prefer long-term use without having to buy, your Fendt sales partner has the ideal rental offer for you.

Retention of value through the latest software version
When your tractor goes in for its service, your Fendt dealer will update the entire tractor software twice per year. Then you can profit from new, additional features for your Fendt. That gives you access to new operating benefits as well as a proactive retention of value, since your Fendt is always kept up to date.

Fendt stands for high quality. To honour this promise, running quality control takes place during daily production. When your Fendt 800 Vario is delivered to your farmyard, it has already run through all the quality gates along the entire production line.

The Varioterminale informs you about the next maintenance and servicing dates, it even has a reminder function.



With the smartphone app "AGCO Parts Books to Go", you can find and directly order Fendt replacement parts quickly and easily. The app is available through the App Store or the Google Play Store. Please contact your Fendt dealer for your personal access data.

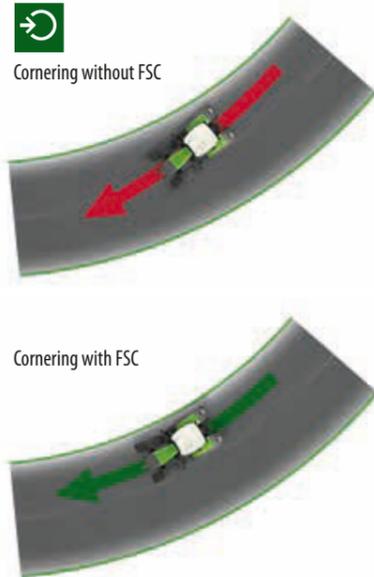


The best product – the best services: certified Fendt dealers stand out through their first-class expertise and comprehensive range of services. They regularly undergo strict audits to prove their high-quality of service. Your FENDT is in the best hands here.

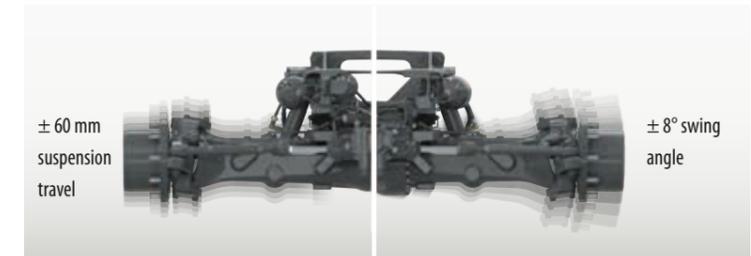
DRIVING DYNAMICS WITH SAFETY AND COMFORT

Fast, versatile – superior.

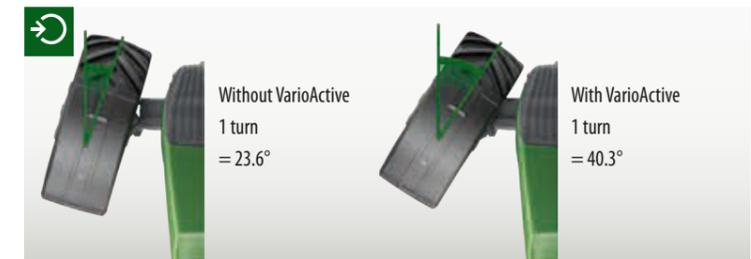
When the driving speed drops below 15 km/h, compensation between the left and right side is possible again, which guarantees the best ground contact. When the driving speed drops below 15 km/h, compensation between the left and right side is possible again, which guarantees the best ground contact.



The Fendt 800 Vario features a self-levelling front axle suspension as standard. It has a 120-mm suspension travel, plenty to level uneven surfaces. The +/- 8° swing angle ensures stability while driving. The 50° maximum steering angle on the front axle guarantees maximum manoeuvrability. The full suspension travel is also available from the stationary tractor, e.g. for picking up a front weight without front linkage.



Compared to the standard setting, VarioActive reduces the number of steering wheel turns by approximately 60% to achieve the same steering angle. With VarioActive, you profit through the faster reaction of the steering during tight turning manoeuvres at the headlands. For reasons of safety, it can only be used from 0 – 25 km/h.



Maximum on-road and in-field driving safety

The chassis guarantees optimum operability on the road and in the field. With the unique Fendt Stability Control FSC you always have a safe feeling when driving, even when negotiating curves. At the same time, the practically maintenance-free braking system, comprising wet disc brakes on the cardan shaft and the rear wheels, increases driving safety. The chassis design provides the best ride comfort as well as optimum ergonomics.

The following nine features deliver an exceptional driving experience:

- the self-levelling front axle suspension
- the Fendt Stability Control (FSC)
- the Fendt Reaction steering system
- VarioActive superimposed steering system
- the shock load stabilising
- the cab suspension
- the seat suspension
- the automatic steering axle lock
- the intelligent brake light control

Haul 37 tonnes more a day

The Fendt 800 Vario has a top speed of 60 km/h at an engine speed of only 1,750 rpm, which gives it an up to 16% higher transport capacity* and lower fuel consumption. These advantages make a decisive difference at the end of each working day: a Fendt 800 Vario with a total transport capacity of 230 tonnes, for example, will move 37 tonnes more over ten hours of work thanks to its higher speed. And when the Fendt 800 Vario is driven at 50 km/h and an engine speed of 1,450 rpm, it saves even more fuel.

*in-house measurement

MOUNTING AREAS AT THE FRONT AND REAR

Smart technology at the front and rear.
Suitable for every application.



Versatility through connections

The Fendt 800 Vario offers more interfaces than any other tractor in its performance class: six electro-hydraulic double-acting valves at the rear plus two in the front, Power Beyond, ISOBUS connection and much more. Overall, the Fendt 800 Vario has more than 24 connections, which are practicably located both at the front and rear. That guarantees versatile operations and trouble-free connection of all implements – for effective teamwork between the tractor and implement.

Powerful lift capacity

The electrohydraulic rear power lift, which has a maximum lift capacity of 11,110 daN, guarantees that even heavy rear-mounted implements for this power class can be lifted to the fullest height without trouble. A maximum lift capacity of up to 5,040 daN at the front permits the use of heavy front-mounted implements. The newly designed, cast front linkage is integrated in the structure of the tractor so that the coupling points are close to the vehicle.

The comfort front linkage on the Fendt 800 Vario has optional load relief control. It allows the weight of the implement to be transferred to the tractor over a defined pressure. This is especially advantageous when working with a front mower or winter maintenance implements, because the weight is shifted to the front axle, which improves steering performance.



The PTO has outstanding efficiency, since power to the PTO stub flows through a direct drive line from the Vario transmission. At the same time, the rated speeds are already attained at an engine speed below 2,000 rpm, which has a positive effect on fuel consumption.



Interfaces at the rear:

- Signal socket
- ISOBUS connection
- Hydraulic top link
- Duomatic clutch
- Six double-acting control valves
- Leakage oil line
- Unpressurised rear return flow
- Air brake
- Control line power beyond
- Pressure line power beyond
- Hydraulic trailer brake
- 7-pin trailer socket
- Lower link catch hooks
- Hitch
- Rear PTO
- Bottom hitch

Interfaces at the front:

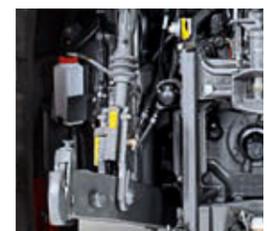
- Top link
- Two double-acting control valves
- Unpressurised front return flow
- 7-pin socket
- Front PTO
- Lower link catch hooks
- Holder for relief springs (not shown)

Powerful hydraulic system

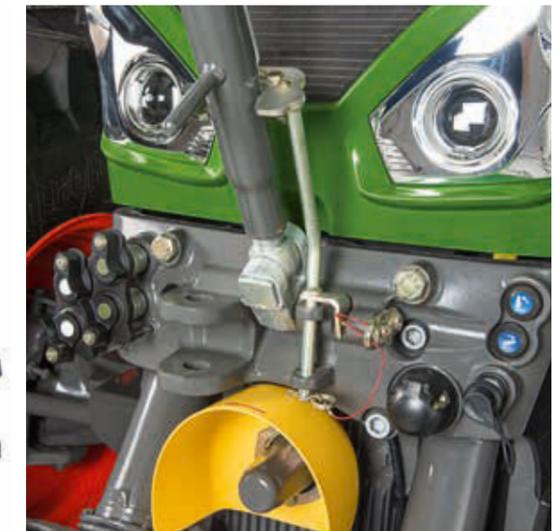
With its load-sensing technology, the Fendt 800 Vario is well-equipped for demanding operations. Depending on the area of application, you can equip the Fendt 800 Vario with a load-sensing pump with a delivery capacity of 152 or 205 litres per minute. Separate transmission and hydraulic oil supplies, dirt cannot enter the transmission. With up to 80 litres, the Fendt 800 Vario has a high volume of available oil that can meet the demands of implements with a very high oil requirement.

PTOs with economy function

The PTOs can be easily controlled via the multi-function armrest. External controls are also available at the rear. The PTO speeds (540E/1000 or 1000/1000E) at the rear enable work at a lower engine speed, which means lower fuel consumption. The front PTO (1000 rpm) permits operation with a broad range of implements at the front of the tractor.



The lower links on the rear linkage can be folded up into parking position, so that there is more space for the drawbar.



FENDT X5 CAB

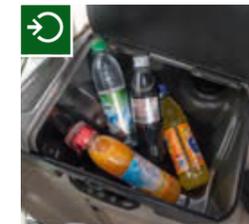
Comfortable seats and many practical aids



The Fendt 800 Vario has been trimmed for an optimal overview. The bonnet has been kept as narrow as possible, so drivers have an excellent view to the wheel arches and front-mounted implements.



■ A Fendt cab offers a number of different storage spaces and compartments, so that everything has its place.



□ There is space for a meal and a cool drink in the air-conditioned cooling compartment.



□ Refreshments for a long work day find their place in the large external cool box. The cool box can also keep meals warm, if necessary.



□ Important papers, such as the operating manual, can be stored securely and well protected in the document case.



□ A bracket keeps mobile phones in their own fixed spot. The bracket can be adjusted to accommodate various phone models.



□ The air-suspended Evolution dynamic Dualmotion super comfort seat is equipped with an adjustable backrest, heating, low frequency suspension, pneumatic lumbar support and easy armrest adjustment. The seat cover is available in either black fabric or black, smooth leather, combined with a leather steering wheel.



□ The air-suspended super comfort seat Evolution active Dualmotion is the absolute high-tech seat variant. Operators profit from the additional active suspension. The seat cover is available in either a black fabric or black, smooth leather in combination with a leather steering wheel.



□ The cab suspension with air spring elements enables a fully vibration-minimised cab. The great difference in height and the long distance between the spring elements of the x5 cab also prevent bouncing and ensure maximum ride comfort.



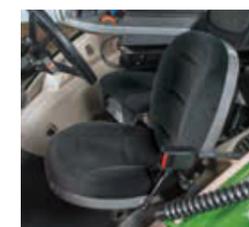
□ At Fendt, the cab windows are bonded, not clamped. This not only improves the operator's field of vision, but above all prevents squeaking and keeps window seals tight. It is primarily to prevent squeaking noises and leaking. The windscreen is also heated.



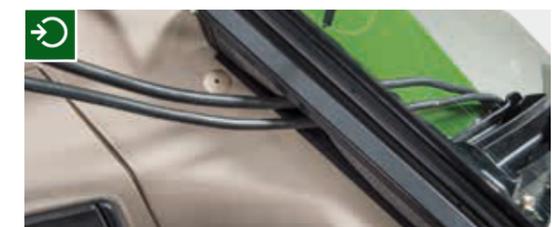
□ There are numerous sockets provided in the cab, including several 12V sockets, an ISOBUS socket and signal socket.



■ The super comfort seat features a comfortable air suspension and easy armrest adjustment.



□ The comfortable passenger seat with backrest and safety belt offers passengers safety and comfort for long work days.



■ Fendt offers a clever solution for cables that run from the rear of the tractor into the cab. Cables can be guided through the lead-through, no matter what kind of cross section they have. The rear window can be closed, so dust, dirt, water and noise stay outside.

THE LIGHTING ON THE FENDT 800 VARIO

Superior visibility – even at night.



■ Safety all the way home: the integrated coming-home function allows operators to climb down from the tractor safely, even in the dark. The headlights continue to shine a while longer after the tractor is switched off. The access steps to the Fendt 800 Vario feature a practical light. The light is positioned on the tank so that the steps are perfectly illuminated and operators can climb in and out safely.



State-of-the-art lighting: the lighting concept of the Fendt 800 Vario is technically sophisticated and perfectly thought-out. Both the dipped and high-beam lights feature the latest bi-LED headlights with headlamp levelling. The work lights and corner lights are also fitted with LED lamps. This permits precise control of the illumination and provides exceptional visibility to the implements and the wheel arches, even in the dark. The LED lights are especially low in power consumption, have a very long life and deliver a total luminous flux of up to 36,640 lumen.



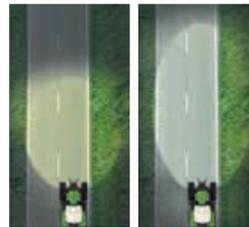
□ The Fendt 800 Vario is ideal for reverse drive operations, since the complete driver stand can be turned 180°.



■ The interior lighting in the Fendt 800 Vario is perfectly designed for the important areas. Whether day or night, the most important operating elements are pleasantly backlit. The intensity of the backlighting is automatically controlled in the Varioterminal via a light sensor, dependent on the light conditions.



■ The lighting is easily set and adjusted thanks to its straightforward layout. With the smart one-button system, all previously set work lights can be switched on easily and quickly with just one touch of a button in the membrane keypad.



□ The light range of the LED headlights can be adapted to the job at hand, for example for driving on the road.



□ The double-sided CUP (couple-under-pressure) couplings make mounting and removing the implements much easier. The self-closing valve flaps effectively protect against contamination and permit one-handed connection of a hydraulic line.



■ An external control allows operators to operate the rear linkage, one valve and the PTO directly from the rear mudguards. Using the external controls for the rear PTO, a preset engine speed can be targeted automatically. You save yourself unnecessary steps, for example, when filling the slurry tank.

Standard and optional equipment
Standard: ■
Optional: □

EQUIPMENT VARIANTS

Fendt 800 Vario. Superior. To the last detail.

		Power	PowerPlus	Profi	ProfiPlus
Engine	Reversible fan	□	□	□	□
	Fuel pre-filter (heated)	□	□	□	□
	Preheater unit (engine, transmission, hydraulic oil)	□	□	□	□
	Exhaust brake	□	□	□	□
Transmission	Shuttle function, stop-and-go function	■	■	■	■
	Acoustic signal when reversing	□	□	□	□
Vario operation	Speed control lever with cruise control and engine speed memory	■	■		
	Multi-function joystick with cruise control, engine speed memory, automatic modes, controls for hydraulics			■	■
	Varioterminal 7 with touchscreen and key control	■	■	■	
	Varioterminal 10.4 with touchscreen and key control			□	■
	Variotronic implement control for ISOBUS	□ ¹⁾	□ ¹⁾	■	■
	Variotronic ²⁾ - Headland Management System			■	■
	Guidance system VarioGuide NovAtel / Trimble		□		□
	VarioDoc - documentation system (only with Varioterminal 10.4 ¹⁾)			□	■
	VarioDoc Pro - documentation system / AgCommand TM telemetry system (only with Varioterminal 10.4 ¹⁾)				□
	SectionControl				□
	VariableRateControl				□
VarioActive steering				■	
Electronic immobiliser	■	■	■	■	
Without immobiliser	□	□	□	□	
Cab	Active charcoal filter	□	□	□	□
	Mechanical cab suspension	■	■	■	■
	Pneumatic cab suspension, 3-point with integral self-levelling	□	□	□	□
	Super Comfort Seat, air sprung	■	■	■	■
	Super comfort seat Evolution dynamic / CA	□	□	□	□
	Super Comfort Seat Evolution active DuMo leather/CA	□	□	□	□
	Super Comfort Seat Evolution active DuMo/CA	□	□	□	□
	Super Comfort Seat Evolution dynamic DuMo/CA	□	□	□	□
	Super Comfort Seat Evolution dynamic DuMo leather / CA	□	□	□	□
	Comfort instructor seat	□	□	□	□
	Integrated automatic climate control	■	■	■	■
	Front windscreen laminated safety glass, heated	□	□	□	□
	Rear window heated	□	□	□	□
	Rear window wash/wipe	□	□	□	□
	Radio mounting kit with two stereo speakers	■	■	■	■
	Radio CD MP3	□	□	□	□
Radio CD MP3 hands-free speaking system	□	□	□	□	
EC tachograph	□	□	□	□	
Radar sensor	□	□	□	□	
Reverse drive control	□	□	□	□	
Cool box	□	□	□	□	
Lighting	Auxiliary lights front	■	■	■	■
	LED corner light	□	□	□	□
	Work lights A-pillar, rear mudguard	□	□	□	□
	Work lights LED A-pillar, rear mudguard	□	□	□	□
	Rear roof work lights 4x	■	■	■	■
	LED rear roof work lights 4x	□	□	□	□
	Front external roof work lights 2x	■	■	■	■
	LED front external roof work lights 2x	□	□	□	□
	Front internal roof work lights 2x	□	□	□	□
	LED front internal roof work lights 2x	□	□	□	□
	LED headlamps with headlamp levelling	□	□	□	□
LED rear lights	□	□	□	□	
Rotating beacons	□	□	□	□	

		Power	PowerPlus	Profi	ProfiPlus
Chassis	FSC Fendt Stability Control	□	□	□	□
	Front axle suspension, +/- 60 mm suspension travel	■	■	■	■
	Steering brake	□	□	□	□
	Single-circuit braking system 1 pedal	■	■	■	■
	Single-circuit braking system, 2 pedals and steering clutch brake	□	□	□	□
	Dual-circuit braking system with FSC Fendt Stability Control			□	□
	Automatic trailer steering axle lock	□	□	□	□
4WD	Compressed air system 1-/2- circuit system	■	■	■	■
	Compressed air Duomatic coupling	□	□	□	□
	VarioGrip tyre pressure regulation system	□	□	□	□
	Rear / front differential with 100% disc locking and steering angle sensors	■	■	■	■
Power lift	Sa front power lift, with external control (separate valve)	□	□	□	□
	Comfort front power lift da, with position control, external controls			□	□
	Comfort front power lift da, with position control and relief control, external controls			□	□
	Electrohydraulic power lift sa (EHR),	■	■	■	■
	Hydraulic lower link lateral stabiliser	□	□	□	□
	Lower link tail arrester cat. 4	□	□	□	□
PTO	Front: 1000 rpm	□	□	□	□
	Rear: Flanged PTO 540E/1000 rpm	■	■	■	■
	Rear: Flanged PTO 1000/1000E rpm	□	□	□	□
Hydraulic system	EHS valve actuation crossgate lever, multi-function joystick			■	■
	Load sensing system with axial piston pump (152 l/min)	■	■	■	■
	Load sensing system with axial piston pump (205 l/min)	□	□	□	□
	Hydraulic power beyond connection	□	□	□	□
	Return rear	■	■	■	■
	Unpressurised rear return flow	□	□	□	□
	Double connect-under-pressure lever couplings rear	□	□	□	□
Additional equipment	CUP coupling rear	■	■	■	■
	Bio hydraulic oil	□	□	□	□
	Manual hitch	□	□	□	□
	Automatic trailer hitch with remote control, rear	■	■	■	■
	Ball coupling, height adjustable	□	□	□	□
	Ball coupling, short, in the bottom hitch	□	□	□	□
	Ball coupling, long, in the bottom hitch	□	□	□	□
	Hitch	□	□	□	□
	Drawbar	□	□	□	□
	Piton-fix	□	□	□	□
	Comfort ballast for front-end weight (not available with front power lift)	■	■	■	■
Wheel weights, rear wheels	□	□	□	□	
Forced steering (one or two-sided)	□	□	□	□	
Wide vehicle marker	□	□	□	□	
Pivoting front wheel mudguard	■	■	■	■	
ABS trailer sockets	□	□	□	□	

¹⁾ Operation with Varioterminal

FENDT 800 VARIO

Technical Specifications.



Fendt 800 Vario		822	824	826	828	
Engine	Rated power ECE R 120	kW/hp	166/226	181/246	195/265	211/287
	Maximum power ECE R 120	kW/hp	166/226	181/246	195/265	211/287
	No. of cylinders	Number	6	6	6	6
	Cylinder bore/stroke	mm	101/ 126	101/ 126	101/ 126	101/ 126
	Cubic capacity	cm ³	6057	6057	6057	6057
	Rated speed	rpm	2100	2100	2100	2100
	Optimum fuel consumption	g/kWh	192	192	192	192
	Max. torque at 1450 rpm	Nm	960	1054	1125	1217
	Torque rise	%	32	31	31	30
	Fuel level	litres	505	505	505	505
	AdBlue tank	litres	50	50	50	50
Transmission and PTO	Transmission type		ML 220	ML 220	ML 220	ML 220
	Speed range 1	km/h	0,02-35	0,02-35	0,02-35	0,02-35
	Speed range 1 - reverse	km/h	0,02-20	0,02-20	0,02-20	0,02-20
	Speed range 2	km/h	0,02-60	0,02-60	0,02-60	0,02-60
	Speed range 2 - reverse	km/h	0,02-33	0,02-33	0,02-33	0,02-33
	Top speed ¹⁾	km/h	60	60	60	60
	Rear PTO		540E/ 1000	540E/ 1000	540E/ 1000	540E/ 1000
	Rear PTO optional		1000/1000E	1000/1000E	1000/1000E	1000/1000E
Front PTO option		1000	1000	1000	1000	
Power lift and hydraulics	Variable flow pump	l/min	152	152	152	152
	Variable flow pump option 1	l/min	205	205	205	205
	Working pressure / control pressure	bar	200+20	200+20	200+20	200+20
	Max. valves (front/centre/rear) Power / Power Plus	Number	0/0/4	0/0/4	0/0/4	0/0/4
	Max. valves (front/centre/rear) Profi / Profi Plus	Number	2/0/6	2/0/6	2/0/6	2/0/6
	Max. available hydraulic oil volume	litres	80	80	80	80
	Max. lift capacity of rear power lift	daN	11110	11110	11110	11110
	Max. lift capacity of front power lift	daN	5040	5040	5040	5040
Electrical features	Batteries	Number	1	1	1	1
	Battery power	Ah/V	180/ 12	180/ 12	180/ 12	180/ 12
	Alternator	V/A	14/ 160	14/ 160	14/ 160	14/ 160
Tyres	Front tyres (standard)		540/65R30	540/65R30	540/65R34	540/65R34
	Standard tyres rear		650/65R42	650/65R42	650/85R38	650/85R38
	1. Optional front tyres		540/65R34	540/65R34	600/70R30	600/70R30
	1. Optional rear tyres		650/85R38	650/85R38	710/70R42	710/70R42
	2. Optional front tyres		600/70R30	600/70R30	710/60R30	710/60R30
	2. Optional rear tyres		710/70R42	710/70R42	900/60R38	900/60R38
Dimensions	Front track width (standard tyres)	mm	2000	2000	2000	2000
	Rear track width (standard tyres)	mm	1970	1970	1970	1970
	Overall width with standard tyres	mm	2750	2750	2750	2750
	Overall cab height with standard tyres without VarioGuide	mm	3280	3280	3280	3280
	Max. ground clearance	mm	575	575	575	575
	Wheelbase	mm	2950	2950	2950	2950
Weights	Unladen weight (base tractor with cab - full tanks, without driver)	kg	9370	9370	9520	9520
	Max. permissible overall weight up to 40km/h (1-circuit brake)	kg	16000	16000	16000	16000
	Max. permissible overall weight up to 50km/h (1-circuit brake)	kg	16000	16000	16000	16000
	Max. permissible overall weight up to 50km/h (2-circuit brake)	kg	16000	16000	16000	16000
	Max. permissible overall weight up to 60km/h (2-circuit brake)	kg	14000	14000	14000	14000
	Max. trailer hitch load	kg	2000	2000	2000	2000

¹⁾ country-specific

FAQ. EVERYTHING ABOUT FENDT.

What can we do for you?

What makes Fendt Service different?

For us, service means knowing and understanding your work in order to meet your demands for reliability and safety and to act in your economic interest. We stand behind our products and have developed them for the highest demands and long-term operation. Our service supports you and your work through a genuine partnership.

What is the Fendt one-terminal concept?

A single terminal means that vehicle controls, ISOBUS implement control, VarioGuide track guidance, VarioDoc documentation, camera functions and various assist functions are all conveniently controlled from a single terminal: the Fendt Varioterminal. Only one terminal also means that at Fendt, the operating interface is the same across the entire range and is logical. Regardless of whether you drive a Fendt Vario, a Fendt combine or a Fendt Katana, you will immediately feel at home and find your way around on all the Fendt machines.

How do I receive Variotronic updates?

Fendt Variotronic can be updated. In this way you always have the latest version on your Fendt and have the future on your terminal. Please contact your dealer for further information.

What is Fendt Expert?

Become a Vario pro with Fendt Expert driver training: Are you already familiar with all the functions that the technology has to offer? Take advantage of the technology inside your Fendt Vario and learn how to make optimal use of all of its features with Fendt Expert. Our team of professional trainers offers you competent instruction to enable you to utilise the full performance potential of your Fendt tractor. Contact your Fendt dealer for more information and to register.

What is Fuse™?

Fuse™ Technologies provides ultra-modern precision farming solutions across all AGCO brands. It allows farmers and contractors to integrate and connect their entire fleet seamlessly, resulting in reduced operating costs and even greater efficiency and profitability in operating their machines. www.agcotechologies.com



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Fendt around the clock – our Fendt Media Library makes it possible. Our internet TV provides you with news and information about Fendt 24/7.

Fendt Configurator

With the Fendt Vehicle Configurator, you can choose from all the available equipment variations and put together the optimally equipped vehicle for your farm. The Fendt Configurator is available online at www.fendt.com, where you will find a quick link to it directly on the start page.

Test drives

Visit fendt.com to access the “Service and Sales” area under “Fendt World”. Select the “tractor demonstration service”, then you can already register for a test drive with a tractor.

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AGCO GmbH – Fendt-Marketing
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All data regarding delivery, appearance, performance, dimensions and weight, fuel consumption and running costs of the vehicles correspond with the latest information available at the time of going to press. Changes may be made before the time of purchase. Your Fendt dealer will be pleased to supply you with up-to-date information. Vehicles are not shown with country-specific equipment.