

FENDT



FENDT® 500 VARIO GEN4 SERIES | 144 TO 174 MAX HP

FENDT PERFORMANCE. SCALED TO FIT.

The all-new Fendt 500 Vario Gen4 Series brings the advanced technology of larger Fendt lines to the popular 500 Series of utility tractors, making them your ultimate work partners on the farm. The four new Gen4 models—the 513 Vario, 514 Vario, 515 Vario and 516 Vario—range from 144 HP to 174 HP.

The new AGCO Power™ Core50 4-cylinder engine and an added 10 HP boost from Fendt DynamicPerformance™ deliver more horsepower than ever before, managed for strength and efficiency by the Fendt iD™ low engine speed concept. The new 500 brings the VarioDrive™ drivetrain and the Fendt VarioGrip™ tire pressure regulation system to this tractor segment for the first time. This new series also offers upgraded cab features and a new generation of Fendt Cargo loaders.



Quick Specs and Features

- Base weight: 15,101 lbs. (6,850 kg)
- Maximum power with DP ECE R120: 144–174 HP
- Four-speed rear PTO standard; optional front PTO
- New AGCO Power CORE50 4-cylinder, 5-liter engine
- Maximum speed: 31 mph (50 km/h)
- Maximum weight: 25,904 lbs. (11,750 kg)
- Continuous lift capacity at hook ends: up to 13,250 lbs. (6,010 kg)
- Front power lift capacity: up to 7,495 lbs. (3,400 kg)
- New, intelligent, stepless VarioDrive drivetrain with automatic 4WD
- Optional Fendt VarioGrip tire pressure regulation system



Ideal for:

- Loader applications
- Specialty crops
- Light tillage
- Application work
- Haying operations
- Transport
- Mowing, chopping, snow removal



FENDT 500 VARIO GEN4 SPOTLIGHTS

Ten Fendt solutions that make the difference

From 144 to 174 HP *(page 6)*

- All four models in the new 500 Vario Gen4 Series exceed expectations with the new AGCO Power CORE50 4-cylinder, 5-liter engine
- Up to 10 HP added power with Fendt DynamicPerformance™

Fendt iD™ Low Engine Speed Concept *(page 7)*

- Handle heavy work efficiently with high torque at lower engine speeds for reduced fuel consumption
- Longer engine life plus smooth, quiet operation for improved operator comfort

New Intelligent Fendt VarioDrive *(page 8)*

- Seamless, intuitive transmission operation from 65 ft. per hour to 31 mph
- Independent front and rear hydraulic transmission motors divert power and reduce slip
- Pull-in turn effect improves the turning ratio for easy maneuvering and faster loader work

Fendt VarioGrip *(page 9)*

- Optional integrated tire pressure control system; adjust tire inflation from the cab
- Reduces compaction and tire wear; improves traction and transport comfort
- Increases fuel efficiency and productivity

Cab & Technology Package Options *(page 10)*

- Three package options for the Fendt 500 Vario Gen4 Series
- Choose from Power, Profi or Profi+ with the innovations tailored to your needs

GroundVision™ Lighting; Front and Rear Cameras *(page 13)*

- With GroundVision, two integrated fender spotlights provide a clear view of the rear hitch and implement area, day or night
- Enjoy a high-resolution view of front and rear implements with optional digital cameras

Fendt Cargo Gen 2 Front Loaders *(page 14)*

- Three new Fendt Cargo Gen 2 loaders set new standards in front-loader work
- New multi-coupler with Cargo Lock has auto-closing dirt flap and less pressure loss
- Dedicated loader valves (lift/tilt/3rd valve) with no shared hydraulic lines

Upgraded VisioPlus™ Cab *(page 17)*

- Comfortable, upgraded cab with generous field of view and option of heated laminated-glass front windscreen
- Multiple choices of driver's seats for best comfort

FendtONE™ Workstation Technology *(page 18)*

- Customize and program the FendtONE system to fit your operation and way of working onboard and offboard
- Up to three displays: digital 10-inch dashboard and two 12-inch in-cab monitors, one retractable into the roof lining
- Control nearly every aspect of machine operation with the customizable multi-function joystick

Gold Star Customer Care *(page 20)*

- Three years or 3,000 engine hour full machine warranty PLUS all scheduled maintenance
- Loaner tractor guarantee
- Five-year subscriptions to Fendt Connect and PTx FarmENGAGE operations software



POWER UP! HIGH TORQUE AT LOW RPM.

The new high-torque AGCO Power CORE50 engine in the Fendt 500 Vario Gen4 Series sets new standards in engine technology with its Fendt iD low-speed concept. With a cubic capacity of 5.0 liters and four cylinders, it offers impressive power reserves with maximum fuel efficiency. Save fuel and idle quietly at 800–950 rpm, then continue to conserve fuel all the way to the top range of 1,900 rpm at rated speed. Maintenance-free hydraulic tappets enable automatic valve clearance adjustment and contribute to low-vibration operation. The engine of the Fendt 500 Vario Gen4 is impressive with its quiet-running, low fuel consumption and particularly low-maintenance operation—ideal for daily use under demanding conditions.



Efficient radiator cleaning for maximum performance

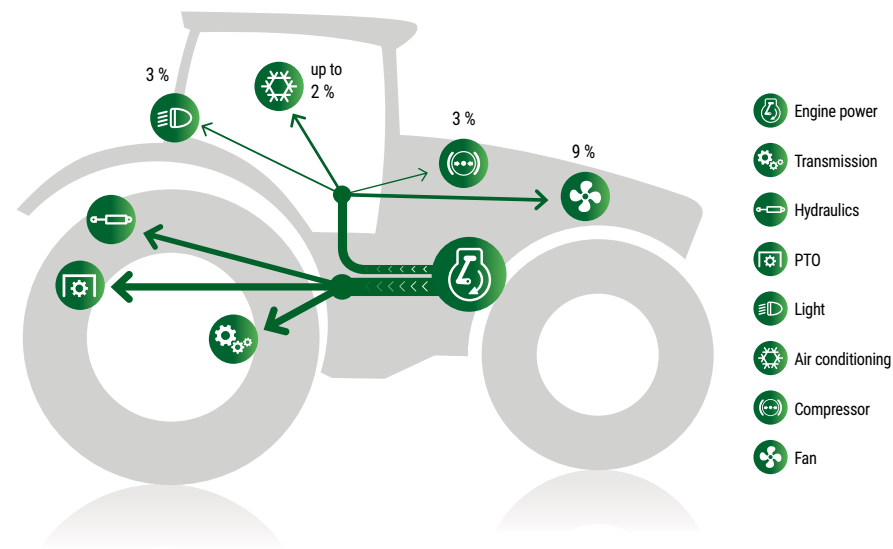
During dust-intensive work and when working with front implements, such as mowing, mulching or soil cultivation, having to stop to clean the radiator grill interrupts work and costs you time. The new optional reversible fan offered on the Fendt 500 Gen4 ensures reliable cleaning of the air intake without stopping the machine. Through the FendTONE terminal, set the fan to reverse automatically at set intervals or activate when needed, achieving unrestricted air flow, constant radiator performance and significantly lower fuel consumption. In combination with Fendt iD, this not only increases efficiency, but also reduces maintenance costs.

DYNAMIC PERFORMANCE: EXTRA POWER WHEN YOU NEED IT

Power where and when you need it

While a tractor's engine power must feed many auxiliary consumers, you can't afford power losses that affect performance of your main tasks. The Fendt DynamicPerformance (DP) extra power concept provides an intelligent solution that automatically tells the engine to deliver extra power if there is a demand from auxiliary consumers, such as the engine fan or compressed air supply.

With Fendt DP, all Fendt 500 Vario Gen4 Series model tractors offer up to 10 HP more power for increased productivity and efficiency, even during demanding PTO, towing or hydraulic work. Unlike the competition, Fendt DP goes into action without requiring certain conditions, thus ensuring consistent work performance and productivity—regardless of the application.



THE DRIVETRAIN THAT CHANGES EVERYTHING.

Only Fendt VarioDrive delivers traction, power and efficiency ... effortlessly.

The Fendt 500 Gen4 Series joins the ranks of the Fendt higher-horsepower tractors with incorporation of the unique and intelligent Fendt VarioDrive drivetrain into this all-around workhorse tractor.

The Fendt VarioDrive drivetrain automatically puts the power of your tractor where it can do the most work, delivering more traction, pulling power and maneuverability with less operator effort. VarioDrive does the thinking for you—continuously and intelligently distributing

torque between the front and rear axles to give you optimum traction and power in the field and reduce drag losses in the drivetrain at higher speeds.

Fendt engineers, the creators of the original CVT in tractors, went beyond the CVT to solve the needs of how to deliver traction efficiently between tractor wheels and the ground while integrating the transmission with four-wheel-drive tractors. The groundbreaking result was the Fendt VarioDrive drivetrain, the heart of what makes a Fendt a Fendt. The unique, continuously variable system involves the whole drivetrain, including the axles and the 4WD system, to give operators of Fendt Vario



Fendt
VarioDrive

tractors smooth, seamless, dynamic driving at any speed, from 65 feet per hour to 31 mph, while delivering tremendous pulling power in the field, all with better fuel efficiency.

With Fendt VarioDrive, you are freed from thinking about when to engage 4WD, manage traction or change settings for optimum performance.



Efficient power to the ground

VarioDrive's unique hydrostatic and mechanically power-split transmission has one hydraulic pump and two hydraulic motors. With independent motors for front and rear axles, the torque vectoring of the VarioDrive CVT puts the power exactly where you need it automatically.

With VarioDrive, the 4WD is fully automated—on and ready to perform—allowing you to concentrate on your work and never again forget to turn on the 4WD before a critical situation. Variable 4WD is possible up to 15 mph, and since there is no fixed drive ratio, the front-wheel drive actively pulls the tractor into a curve, reducing the turning radius in the field by up to 10% for outstanding maneuverability.

VarioDrive is easy to use, thanks to smart and automatic power distribution that remains tension-free for maximum soil protection at headlands, on valuable grassland and during front-loader work. The proven Fendt Tractor Management System automatically regulates the engine and transmission in the most economical way to meet the set target speed, for more dynamic driving under load and higher driving comfort.

LESS PRESSURE. LONGER LIFE.



With the factory-installed option of the Fendt VarioGrip tire pressure regulation system, you can set and control your tire pressure from the cab to match your operation. An onboard air compressor supplies air lines that are integrated into the axle assembly to implement VarioGrip. Lower pressure delivers a bigger footprint in moist field conditions, reducing compaction and increasing productivity.* Higher pressure for roading improves ride quality and handling.

* Test results from South Westphalia University of Applied Sciences, Faculty of Agriculture, Soest.

FIND YOUR FENDT 500 GEN4 FIT.

The Fendt 500 Vario Gen4 is available in North America in three different packages. This ensures that you can gain all the best performance and innovation from Fendt, tailored for your needs. The table on the facing page (right) details the innovations included in the Power, Profi and Profi+ lines.



Power

The images to the right represent the cab control configurations for the three different cab packages.



- Crossgate lever
- No hydraulic fingertip controls
- 10" terminal

Profi



- 3L joystick
- Hydraulic fingertip controls
- 12" terminal

Profi+



- 3L joystick
- Hydraulic fingertip controls
- 12" terminal
- Fendt Guide

LINE PACKAGES

Power

4-cylinder AGCO Power CORE50 engine with 5.0 l cubic capacity, Fendt iD, DynamicPerformance

VarioDrive drivetrain with independent 4WD; up to 31 mph/50 kph at 1,550 RPM

FendtONE driver's workstation: Adjustable multi-function armrest with controls, 2-way crossgate lever, 10" digital dashboard

29 GPM (109 l/min) hydraulic pump [40.2 GPM (152 l/min) optional]; up to four rear hydraulic valves

Self-leveling front-axle suspension, lockable

GroundVision™ integrated fender spotlights

Four premium speakers with DIN1 radio mounting

Options: 12" terminal on the armrest; VarioGrip tire pressure regulation system; high-resolution, digital front and rear cameras

Profi

Includes all Power features and options PLUS:

12" terminal on armrest standard, with touch and push dial control; 3L joystick

Second 12" terminal, optional in right side of roof liner, retracts halfway

Up to five rear, three middle and two front hydraulic valves with two pairs of rockers (four linear modules) to operate them

Corner, coming-home light and courtesy lights

Smart Farming equipment: Machine Control basic package to control ISOBUS instruments; front implement control via ISOBUS interface is optional

Options: Double-acting lifting cylinder; UV protection by white painted roof; Infotainment: AM/FM/FMHD, Bluetooth®, USB, AUX-IN, hands-free speaking system, superior audio quality. Satellite-radio ready

Profi+

Includes all Power & Profi features and options PLUS:

Smart Farming equipment: Guide basic package including Fendt Guide when equipped with receiver. Agronomy basic package including Fendt TaskDoc®

Options: Fendt Contour Assistant, Fendt TI Headland, Fendt Implement Slope Compensation, Fendt Section Control, Fendt Variable Rate Control, Fendt Implement Management (TIM)



WORK JUST GOT EASIER.

The hydraulic system and the four-speed PTO of the Fendt 500 Vario Gen4 together form the basis for powerful, efficient and versatile work. The sensitive control of the hydraulics enables precise work with a wide variety of implements, while the robust four-speed PTO ensures reliable power transmission in the optimum range with low fuel consumption. The variable displacement pump with electric load sensing comes in two flow-rate versions: 29 GPM or 40.2 GPM, and the optional front PTO puts both ends of the tractor to work with multiple implement combinations. No matter your choices, the Fendt 500 Vario Gen4 offers simple, precise operation of implements using finger-tip controls, cross-gate lever, multi-function drive lever (proportional) or 3L joystick.





External controls on both rear fenders allow convenient operation of the power lift and actuation of the PTO and hydraulic valves.



Self-closing dust caps protect connections on the front and rear of the tractor.



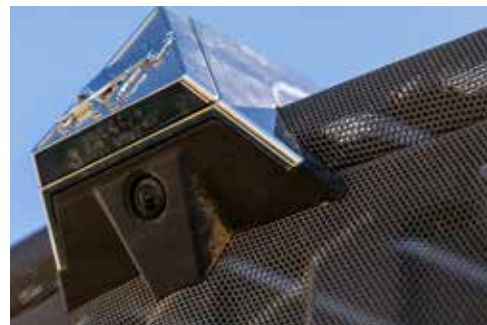
Light up the night

New GroundVision, included with all lighting packages, uses two LED lights in the fenders to light the hitch and front of the rear implement.

The 500 Vario Gen4 Series features new GroundVision drawbar lighting in the fenders, 1,700 lumens to perfectly illuminate hitch, PTO and rear implement. This ensures you have the best visibility for attaching or unhooking implements and to monitor areas like a baler pick-up when working after dark.

Digital hood and rear camera

For better views of your implements, the Fendt 500 Vario Gen4 can be outfitted with front and rear cameras. The front camera is seamlessly integrated into the design logo on the hood, while the rear camera is discreetly placed under the license plate holder. These cameras give you a full overview at all times with super-sharp, high-resolution image quality. Whether you're coupling, switching or using the equipment, you'll always have full control and complete visibility.



LOAD UP WITH GEN2 CARGO LOADERS.



The new Fendt Cargo Gen 2 loader series sets new standards in comfort and control for front loader work. With intelligent technology, independent valve block with up to three separate valves and sensitive control via crossgate lever or the 3L joystick, they increase efficiency and productivity in daily use.



The Cargo loader and shuttle vehicle direction are operated conveniently using the 3L joystick.

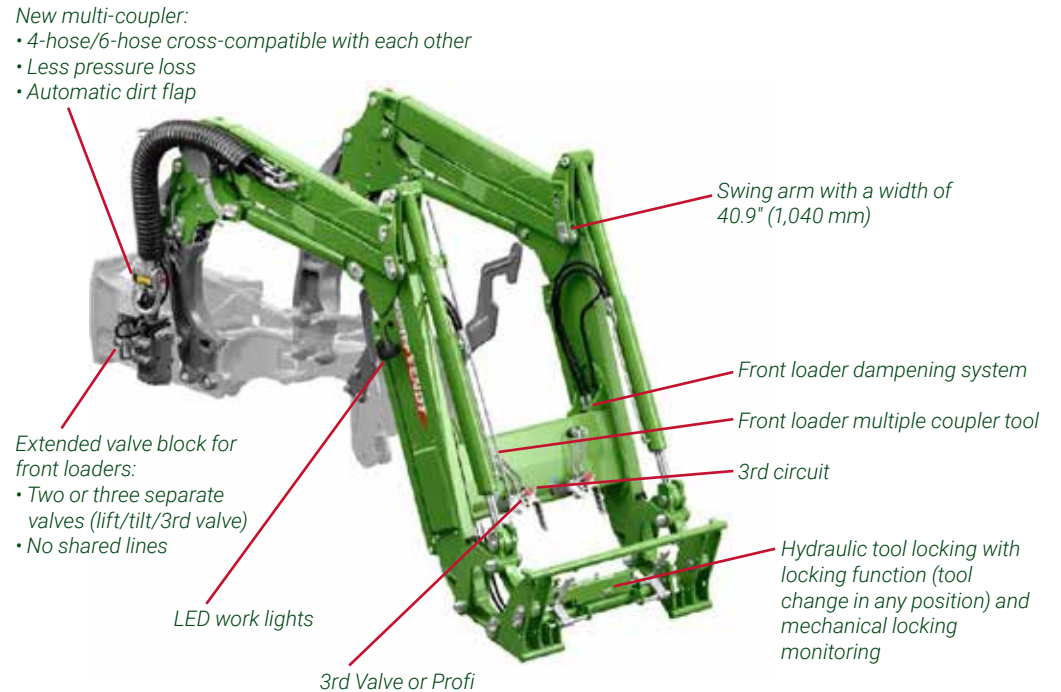


Foot pedal mode allows you to control ground speed and frees up your right hand for constant loader control with the 3L joystick.

All three new Fendt Cargo front loaders for the Fendt 500 Vario Gen4—Cargo 4.75, Cargo 4.80 and the Cargo 4.80 Profi/XL—have a swing arm width of 40.9 inches (1.04 meters) and combine advanced technology with fast and safe handling. Connect to the new dedicated loader valves on the 500 Vario Gen4 with the Cargo loaders' new multi-coupler, featuring an automatically closing dirt flap and less pressure loss. The Cargo Lock hydraulic implement lock allows convenient tool changes from the tractor in any loader position, with mechanical locking monitoring.

The top-of-the-range Cargo 4.80 Profi model offers a maximum lifting capacity of 2.65 tons (2,400 kg) and a lifting height of 13.6 feet (4.2 meters). Its intelligent capabilities take strain off of the operator and improve output: a dynamic, integrated weighing function, even when driving; working range limits for lifting height and tipping angle; and a memory function for arm and attachment positions. The shake function supports unloading of material buildup, while the end-position dampening reduces material losses.

For versions of the Fendt Cargo loader with a 3rd valve or Profi variants, there is an arm with a higher crossbar to safely accommodate and store additional components. Fendt offers a line of loader implements including a light-material bucket, round-bale tine, large-bale fork, pallet forks, silage grab bucket and several universal buckets. However you outfit it, the Cargo Gen 2 loader is robust, productive and optimally matched to the tractor.



Front loader model	Cargo 4.75	Cargo 4.80	Cargo 4.80 Profi/XL
Continuous lifting capacity lbs/daN	4,000 / 1,820	4,684 / 2,125	4,618 / 2,095
Maximum lift capacity lbs/daN	4,585 / 2,080	5,368 / 2,435	5,291 / 2,400
Pull-out height* ft/mm	13.6 / 4,175		
Laying width* ft/mm	3.5 / 1,075		
Discharge range at 11.5 ft/3.5m height* ft/mm	5.47 / 1,670		
Swing arm weight lb/kg	1,664 / 755	1,730 / 785	1,895 / 860

*Tire-dependent. Measurements based on 540/65R28 front tires, 650/65R38 rear tires.



INTELLIGENT ASSIST SYSTEMS

AT YOUR SERVICE.

Fendt intelligent technologies combine safety and comfort in important assistance systems. They provide greater stability and ease of use around the farmstead and when transporting and hauling under demanding conditions.

Trailer Brake Assistant (TBA) system

This performance and comfort feature ensures that a pneumatically braked trailer doesn't "push" against the tractor by continuously monitoring the trailer's thrust on the tractor. It automatically controls brake pressure in critical situations without the brake pedal having to be depressed.

Automatic steering axle lock

The automatic steering axle lock ensures precise handling when pulling a grain cart or other trailer. The system automatically locks the steering axle of the trailer when it senses the tractor is being turned, reversed or going faster than 15.5 mph (25 km/h).

Hydraulic auxiliary brake

This feature uses the existing hydraulic circuit to create an additional braking effect when decelerating or driving downhill—without any mechanical wear.

Automatic parking brake

As an electro-pneumatically controlled smart function, the system automatically applies the parking brake when you leave the driver's seat or upon ignition off and releases it when you put the tractor in forward or backward motion.

Even tighter turning with VarioDrive

Achieve a tight turning radius in the field without damaging the soil or grassland, thanks to the "pull-in" turn effect and independent, permanent 4WD made possible by the VarioDrive drivetrain. You benefit from unrestricted maneuverability in tight work situations, even with the front loader console attached, saving time and tire wear.

CUSTOMIZE. ORGANIZE. OPTIMIZE.



The Fendt VisioPlus™ cab with the FendtONE workstation is a spacious, well-organized control hub with excellent, panoramic vision that is ideal for front loader work. An optional laminated, heated front windscreen provides noise insulation and clear visibility in all seasons. Add a right-hand door for even more flexible entry and exit and easy access to hitch/unhitch the front loader.

In the cab of a Fendt 500 Vario Gen4, you'll find:

- Up to three display options, with 10-in. digital dashboard standard and 12-in. terminal on the armrest included with Profi and Profi+. Optional secondary 12-in. terminal stows into the roof liner.
- Highly customizable multi-function joystick with flexible key assignment with Individual Operation Manager (IOM). Controls are color-coded for similar functions.
- Comfort for long days with a new selection of driver seats including two Titanium models, excellent AC, roller blinds, storage and power connections.
- Infotainment: Modern, integrated, hands-free system with a wide range of external audio sources. Four premium speakers deliver perfectly balanced sound, with option of added subwoofer, and you get the best reception and transmission quality for hands-free calling, thanks to microphones throughout the roof lining.
- Larger compressor cooler with 3.86-gal. (14.6-L) capacity and cooling range from 32° to 61° Fahrenheit. (0° to 16° Celsius).

WORK HAS NEVER BEEN SO COMFORTABLE.

Operator comfort in the Fendt 500 Vario Gen4 starts with a choice of three VisioPlus cab variants with different suspension systems, and five driver's seat options, all with air-suspension and seat heating. The top premium seat remembers each operator's settings through the terminal, where you can also set comfort functions including multi-stage heating and ventilation, back massage function and automatic lumbar and side bolster support for optimum comfort and relief.

The updated air-conditioning or optional automatic climate-control delivers 30% higher cooling under full load than the previous 500 Gen3 Series. The cab's designers have protected the cab and its wiring with three integrated and dust-proof cable leads below the rear window for less dirt ingress and better sound insulation. Set up the interior to fit how you work with terminal and tablet mounts, holders and sockets throughout.





IT'S ALL WITHIN REACH.

- 1** As well as the familiar clover leaf operation, the new multifunction joystick includes two controls for proportional valve control as well as four freely assignable white keypads.
- 2** Easily manage the usual transmission and driving functions with pushbuttons: including two engine speed programs, two cruise control settings and a dial-controlled active cruise control setting.
- 3** The 3L joystick (with Profi and Profi+) offers sensitive control without you having to reach over two control valves. Complex implement functions can be controlled with the optional third and fourth hydraulic circuits. These are activated using the small thumb lever on the joystick.
- 4** Five white buttons ready for you to assign: You have the option to freely assign functions to specific controls to individualize settings for different operators.
- 5** The lower control level includes the LED display for each setting. The driver immediately sees whether buttons have been re-allocated by the color concept. By default, these are the hydraulic valves.
- 6** PTO operation.
- 7** Front power lift and rear power lift with depth adjustment.
- 8** Control buttons for the all-wheel drive, differential locks on the left, power-lift settings on the right and in the middle, the seven freely assignable white buttons.
- 9** Use the central pushdial to decide what to display on the Fendt 500 Vario Series. This includes four quick access keys for Back, Launchpad, Overview, Individual Operation Manager (IOM) and switching between terminal and dashboard.
- 10** Easily manage the air conditioning and infotainment with two dedicated dials.
- 11** Engine hand throttle and foot pedal maximum speed.
- 12** Selective control valves 1 through 4 (freely assignable).

THE BOTTOM LINE: WE CARE ABOUT YOURS.



The Fendt Gold Star Customer Care Program is the best in the business. We'll help you manage every aspect of your variable expenses and risks. We'll also provide the kind of after-sale care that rewards you with exceptional resale value when you eventually trade in your tractor for a newer model.

The Offering

Available for all customers to provide a fully customized warranty plan.

The Warranty

Three years or 3,000 engine hours warranty, including all scheduled routine maintenance and all other repairs, as required.

The Maintenance

All parts and labor required to perform factory-recommended maintenance within the three-year/3,000 engine hours warranty period is included with Gold Star. Dealers perform maintenance at scheduled intervals or annually during the program.

The Parts

Fendt dealers use only genuine AGCO® parts, so your Fendt is always 100% Fendt. All parts are covered for one year and all labor for six months under the AGCO Parts Advantage warranty.

The Service

Fendt dealers and their factory-trained certified technicians use only the highest-caliber diagnostic tools.

The Loaner

If your tractor can't be repaired in 48 working hours*, we'll provide you a loaner tractor. We stand by this promise for three years or 3,000 hours.

The Operations Software

All Fendt 500 Vario Gen4 Series tractors come with five-year subscriptions to Fendt Connect and PTx FarmENGAGE farm operations software.

*Two full 24-hour days



Gold Star+ (Optional)

For longer working periods, you can extend the standard Gold Star offering with Gold Star+. Many of the same benefits but for as long as five years or 5,000 hours.

SMART FARMING FROM FENDT.

Manage your farm's workflow

In the field of smart farming, Fendt offers a wide range of products and solutions to help farmers use their equipment in efficient and productive ways. There is a range of products to choose from for guidance, agronomy, telemetry and machine control.



REAL FARMERS, REAL RESULTS.

"We do things a little differently around here," says Wes Vanfossen, smiling under a Fendt cap at his Kimbolton, Ohio, cow/calf operation. Next to the steps on the porch hangs a sign, a gift from his wife, Debbie. It reads: "Unless you're God or Wes, take your boots off."



Wes Vanfossen
and son, Wesley.

"When you work and pay for it, you take a little better care of it," says Wes, who is a rare thing in 21st century agriculture: a first-generation farmer. From a young age, he dreamed of farming, "all I ever wanted to do," he says, but needed a career to fund the passion until he could retire and farm full-time. Years and years of welding pipeline away from home and family afforded the purchase of land, cattle, infrastructure.

"So, this place is unusually clean," laughs son, Wesley, who notes that the boot sign on the porch is more than an indication of a fastidious farmer/father. It can be taken literally. "You can come out here and check cows in your slippers in the middle of the night... it is that clean." No boots required.

A Different Machine. "I was 100% the 'other brand,'" says Wes, and there are still 'other' green tractors in use on Vanfossen Family Farms. That gives the family a unique perspective on what makes Fendt different, once they decided to try one out for themselves. "We got to noticing that locally, successful farms were running Fendt," says Wes. "We started asking questions. We had some custom manure haulers come in, do some work for us; they were running Fendt. We learned a lot in a short period of time."

Wes was first impressed with some standout features. As a cattleman making several trips from the silage bunk to the TMR mixer and feed wagon every day, he first noticed the fast, accurate scale on the loader. Besides

weighing the rations, he also uses it to make sure he's getting his money's worth when he buys supplemental hay bales from a supplier.

The Fendt 516* was more than just the right fit, says Wes; "It's taken the place of two tractors, and even the skid loader, we're not putting as many hours on," he says.

Efficiency goes beyond utility: "The fuel efficiency is second to none," says Wes. "It's the transmission. The tractor knows how much horsepower it needs at any given second." Wesley, who does the farm's field work with the Fendt, says, "After you put 100 hours on that machine, you don't want to drive another tractor."



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visit us online at
fendt.com.

* This farmer runs the previous generation model; Gen4 models have updated features.

SPECIFICATIONS

Engine	513 Vario	514 Vario	515 Vario	516 Vario
Rated/maximum power ECE R 120 (HP/kW)	134 / 99	144 / 106	154 / 113	164 / 121
Maximum power with DP ECE R 120 (HP/kW)	144 / 106	154 / 113	164 / 121	174 / 128
No. of cylinders/cooling/cylinder bore X stroke	4 @ 4.33 in (110 mm) X 5.19 in (132 mm)			
Displacement	306 cu. in / 5.017 L			
Rated engine speed	1,900 rpm			
Max. Torque at 1,300 rpm (ft-lbs/Nm)	480.2 / 651	515.8 / 698	549.5 / 745	584.1 / 792
Tank capacities	Fuel tank: 76.6 gal / 290 L • DEF tank: 9.2 gal / 35 L			
Transmission / PTO				
Transmission type / model	Stepless VarioDrive Transmission / TA 120			
Speed range	Forward -- 65 ft./hr. (.012 mph) to 31 mph / 0.02 km/h to 50 km/h • Reverse -- 65 ft./hr. (.012 mph) to 20.5 mph / 0.02 km/h to 33 km/h			
Rear PTO	540 / 540E / 1,000 / 1,000E			
Front PTO option	1,000			
Engine speed for rear PTO (PTO rpm @ engine rpm)	540 @ 1,801 / 540E @ 1,432 / 1,000 @ 1,833 / 1,000E @ 1,457			
Engine speed for front PTO (PTO rpm @ engine rpm)	1,000 @ 1,833			
Power Lift and Hydraulics				
Variable-flow hydraulic pump capacity (standard)	29 gpm / 110 L/min			
Variable-flow hydraulic pump capacity, Option 1	40.2 gpm / 152 L/min			
Max. number of valves (front/center/rear) Profi / Profi+	2 / 3 / 5			
Max. available hydraulic oil volume	13.47 gal / 51 L			
Control valve flow	31.7 gpm / 120 L/min (DUDK)			
Continuous lift capacity at hook ends	13,250 lbs / 6,010 kg			
Continuous lift capacity 24" behind coupling point	11,500 lbs / 5,216 kg			
Max. front power lift capacity	7,495 lbs / 3,400 kg			
Electrical Equipment				
Batteries	1			
Battery power	180 Ah / 12 V			
Alternator	14 V / 220 A			
Weights / Dimensions				
Empty weight (base tractor with cab, full tanks, no driver)	15,101 lbs / 6,850 kg			
Max. permissible overall weight	25,904 lbs / 11,750 kg			
Max. permissible front axle load	11,023 lbs / 5,000 kg			
Max. permissible rear axle load	21,164 lbs / 9,600 kg			
Max. trailer hitch drawbar load	4,409 lbs / 2,000 kg			
Overall length	195.3 in / 4,961 mm			
Track width rear	70.9 in / 1,800 mm			
Total height cab (with • without Fendt Guide)	119.7 in / 3,025 mm • 117.1 in / 2,975 mm			
Max. ground clearance	18.9 in / 480 mm			
Wheelbase	100.8 in / 2,560 mm			

* Dimensions are with standard tires. Values subject to change.

FENDT



FENDT 500 VARIO GEN4 SERIES



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