

**FENDT**

fendt.com | Fendt is a worldwide brand of AGCO.

Fendt 1000 Vario

ONE IS  
SIMPLE:  
FendtONE

It's Fendt. Because we understand Agriculture.

## Fendt 1000 Vario - Because success requires both horsepower and data power.

Conditions in agriculture are becoming increasingly challenging: from extreme weather events to stricter legal guidelines. With the Fendt 1000 Vario with FendtONE, we offer you something that makes your work easier - both on the machine and in the planning in the office and working in the field. As a high-performance standard tractor, the Fendt 1000 Vario combines all the advantages for use in the field and on the road.

- Power segment 380 - 517 hp
- FendtONE:
  - new driver workstation (onboard)
  - planning and management functions with FendtONE offboard
- 14 t unladen weight with up to 23 t permissible gross weight\*.
- 60" (1.5m) track width for Row Crops\*\*
- Fendt iD low-speed concept
- Fendt VarioDrive variable all-wheel drive
- Self-cleaning air filter (automatic dust extraction)
- Fully roadworthy up to 60 km/h\*
- Optional rear PTO 1000, 1000E and 1300
- Integrated tyre pressure control system VarioGrip
- Reverse drive

\*Value depends on country-specific legal requirements  
\*\*Depending on the country variant

Motor		1038 Vario	1042 Vario	1046 Vario	1050 Vario
Nennleistung ECE R 120	kW/PS	291/396	320/435	350/476	380/517
Max. Drehmoment bei 1100-1500 U/min	Nm	1910	2108	2305	2420

## Future as standard.

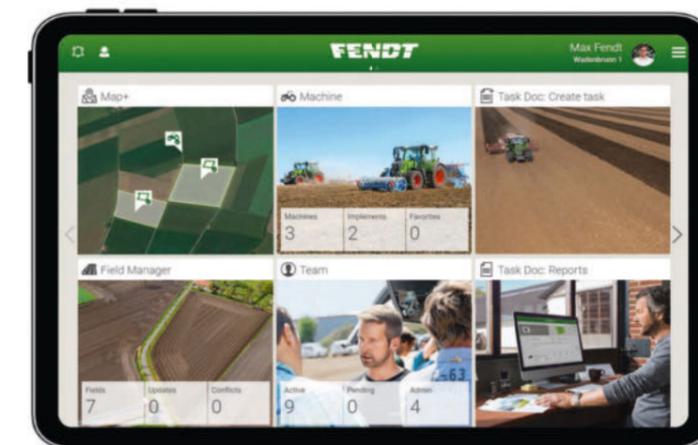
Until now, field and office work have been regarded as two different areas that are directly related but take place separately and are supported by different systems. At Fendt, we think ahead. FendtONE is a holistic system that expands the previous functions on the machine (onboard) to include planning and management components (offboard). The operating logic is identical in both areas.

### Onboard:

- New armrest with Fendt-known elements
- Flexible key assignment via the Individual Operation Manager (IOM)
- Up to three displays available: 10" dashboard, 12" terminal on armrest, 12" roof terminal
- Colour coding of the different function groups, also for function reassignment
- Fully ISOBUS capable 3L joystick with reverse button and up to 27 functions

### Offboard:

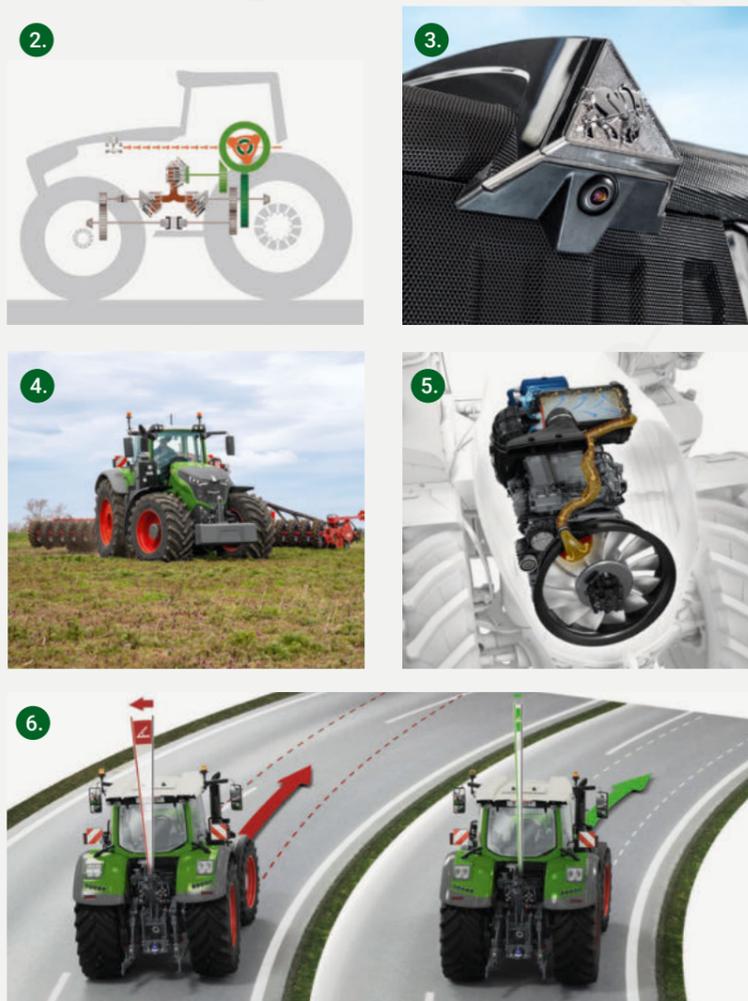
- Clear team, machine and field management
- Simple order creation in just a few clicks
- Order report in PDF format as a basis for documentation
- Location-independent machine localization and viewing of specific machine parameters as well as weather data



SO THAT TRACTOR AND OFFICE BECOME ONE.



## Fendt Spotlights - 12 Fendt solutions that make the difference.



### 1. Fendt iD low speed concept

- Perfect tuning of all vehicle components such as engine, transmission, fan and hydraulics and all auxiliary consumers to ideal speeds
- Reaching the highest torque already at low speeds
- Permanently low fuel consumption
- Extended service life

### 2. intelligent VarioDrive drive

- Independent drive of front and rear axle
- No manual all-wheel drive selection necessary
- Optimum engine/transmission matching in conjunction with Fendt iD low-speed concept
- Smallest possible turning circle due to pull-in turn effect
- No need to select range I/II
- Transmission oil change every 2,000 operating hours
- No special oil necessary

### 3. Bonnet camera

- Direct view of the front linkage
- Easier mounting and dismounting of front weights

### 4. professional headland management Fendt TI Headland

- Storing and automatic triggering of a sequence of working steps at the headland for maximum precision and comfort
- Automatic turning at the headland

### 5. self-cleaning air filter (automatic dust extraction)

- Air filter is blown out while driving by means of short air blasts
- Reduced maintenance

### 6. Fendt Stability Control

- Automatically reduces side lean at speeds above 20 km/h and actively suppresses body roll when cornering
- Increased safety and improved ride comfort



## Fendt Spotlights - 12 Fendt solutions that make the difference.

### 7. Reverse drive

- Expansion of the areas of application
- Quick 180° rotation of the entire operator's platform thanks to pneumatically assisted rotation device
- Optimum view of implements in the rear

### 8. two hydraulic pumps with a flow rate of 430 l/min

- Supply of two consumers with different pressure and oil flow rates possible

### 9. integrated tyre pressure control system VarioGrip

- Fully integrated tyre pressure control system with integrated air lines and valves
- No risk of air lines being torn off thanks to protected design
- Simple operation via the terminal

### 10. automatic section control for several devices simultaneously:

#### Section Control with Multi Device Control

- Independent switching of the boom part width sections of up to five application units simultaneously (useful e.g. for maize sowing with front fertiliser hopper)
- Support of up to 144 sections

### 11. Variable rate application per boom section:

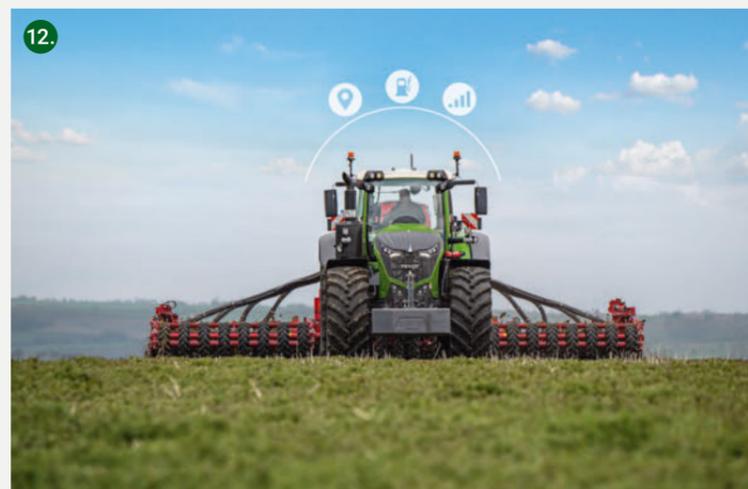
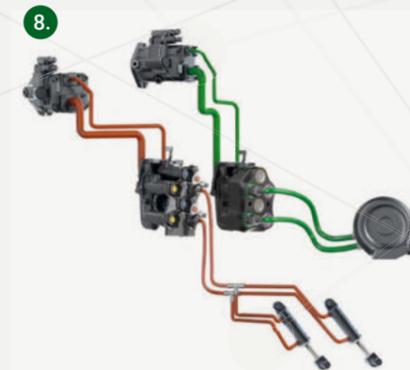
#### Variable Rate Control with Zone Control

- Variable control of the application rate per part width section (zone) with corresponding equipment of the implement
- Support for up to 144 zones

### 12. machine performance at a glance at all times:

#### Fendt Connect

- Fendt telemetry solution for analysing and optimising machine operations
- Mobile data transmission of machine parameters such as location, distance traveled, fuel consumption, etc.
- Avoid or reduce downtime of downtimes through remote diagnosis
- five years telemetry access included





## Equipment lines.

In order to design the workstation to best suit your requirements, you can choose between three equipment variants:  
**Power+, Profi, Profi+**  
 You can choose between Setting 1 or Setting 2:



- Power+ Setting 1**
- 12" terminal on the armrest
  - Cross gate lever
  - Two finger tip spools (linear module) for operating the hydraulic valves



- Power+ Setting 2**
- 12" terminal on the armrest
  - 3L joystick
  - Two finger tip spools (linear module) for operating the hydraulic valves



- Profi Setting 1/ Profi+ Setting 1**
- 12" terminal on the armrest
  - Cross gate lever
  - Four finger tip spools (linear modules) for operating the hydraulic valves



- Profi Setting 2/ Profi+ Setting 2**
- 12" terminal on the armrest
  - 3L joystick
  - Four finger tip spools (linear modules) for operating the hydraulic valves

All illustrations show standard equipment and optionally available front and rear power lift.

Standard and optional equipment

Standard: ■

Optional: □

FENDT 1000 VARIO

# Equipment variants.\*

	Power+	Profi	Profi+
<b>Engine</b>			
Reversible fan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fuel pre-filter (heated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preheater unit (engine, transmission, hydraulic oil)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exhaust brake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Transmission</b>			
VarioDrive with variable torque distribution between the front and rear axle	■	■	■
Shuttle function, stop-and-go function	■	■	■
Acoustic signal when reversing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Guidance system</b>			
Guidance system basic package	■		■
Standard Trimble / NovAtel	<input type="checkbox"/>		<input type="checkbox"/>
RTK Trimble / NovAtel	<input type="checkbox"/>		<input type="checkbox"/>
TI Headland (TI Auto & TI Turn)			<input type="checkbox"/>
Contour Assistant	<input type="checkbox"/>		<input type="checkbox"/>
<b>Agronomy</b>			
Agronomy basic package	<input type="checkbox"/>		■
<b>Telemetry</b>			
Telemetry basic package	<input type="checkbox"/>	<input type="checkbox"/>	■
Smart Connect			<input type="checkbox"/>
<b>Machine control</b>			
Machine control basic package (ISOBUS)	■	■	■
Section Control (SC)	<input type="checkbox"/>		<input type="checkbox"/>
Variable Rate Control (VRC)	<input type="checkbox"/>		<input type="checkbox"/>
<b>Vario operation</b>			
Multi-function joystick with cruise control, engine speed memory, automatic modes, controls for hydraulics	■	■	■
3L joystick	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Individual Operation Manager – flexible key assignment	■	■	■
Digital Dashboard	■	■	■
12" terminal with touchscreen and key control	■	■	■
Second 12" terminal in roof		<input type="checkbox"/>	<input type="checkbox"/>
Electronic immobiliser	■	■	■
Without immobiliser	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Power+	Profi	Profi+
<b>Cab</b>			
Mechanical cab suspension	■	■	■
Pneumatic cab suspension, 4-point with integral self-levelling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Super Comfort Seat, air sprung	■	■	■
Super comfort seat Evolution dynamic / CA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Super Comfort Seat Evolution active DuMo leather/CA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Super Comfort Seat Evolution dynamic DuMo/CA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comfort instructor seat	■	■	■
Integrated automatic climate control	■	■	■
Front windscreen laminated safety glass, heated	■	■	■
Rear window heated	■	■	■
300°-front windscreen wipers (with continuous windscreen)	■	■	■
Rear window wash/wipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Side window wash/wipe system right	■	■	■
Infotainment package	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Infotainment bundle + 4.1 sound system		<input type="checkbox"/>	<input type="checkbox"/>
EC tachograph standard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fendt Reaction steering system	■	■	■
Radar sensor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reverse drive control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cool box	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Power+	Profi	Profi+
<b>Lighting</b>			
Auxiliary LED lights at front	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3rd brake light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LED rotating beacons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Power+	Profi	Profi+
<b>Chassis</b>			
FSC Fendt Stability Control	■	■	■
Single wheel suspension front axle	■	■	■
Pneumatic high-speed dual-circuit braking system 1 pedal	■	■	■
Pneumatic high-speed dual-circuit braking system 2 pedal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electro-pneumatic handbrake	■	■	■
Electro-pneumatic handbrake (handbrake assist)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic trailer steering axle lock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VarioGrip tyre pressure regulation system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Power+	Profi	Profi+
<b>4WD / differential locks</b>			
Smart 4-wheel drive	■	■	■
Rear / front differential with 100% disc locking and steering angle sensors	■	■	■

	Power+	Profi	Profi+
<b>Power lift</b>			
Tractive power and stepless mixed control	■		■
Single-action Comfort front power lift with position adjustment and external controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comfort front power lift da, with position control and relief control, external controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No rear power lift	■	■	■
Electrohydraulic power lift da (EHR), with external controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lower link tail arrester cat. 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Power+	Profi	Profi+
<b>PTO</b>			
Rear: Flanged PTO 1000/1000E/1300 rpm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
External controls for rear PTO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Power+	Profi	Profi+
<b>Hydraulics</b>			
External control for hydraulic control unit at rear	■	■	■
Load sensing system with axial piston pump (165 l/min)	■	■	■
Load sensing system with axial piston pump (220 l/min)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load sensing system with 2 axial piston pumps (220+210 l/min)		<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic power beyond connection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Return rear	■	■	■
Unpressurised rear return flow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FFC flat-gasket rear hydraulic couplings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Double connect-under-pressure lever couplings rear	■	■	■
CUP coupling rear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bio hydraulic oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Power+	Profi	Profi+
<b>Additional equipment</b>			
Automatic trailer hitch with remote control, rear	■	■	■
Ball coupling, height adjustable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ball coupling, short, in the bottom hitch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ball coupling, long, in the bottom hitch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hitch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drawbar	■	■	■
Piton-fix	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comfort ballast for front-end weight (not available with front power lift)	■	■	■
Wheel weights, rear wheels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Forced steering (one or two-sided)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wide vehicle marker	■	■	■

FENDT 1000 VARIO

# Technical specifications.

		1038 Vario	1042 Vario	1046 Vario	1050 Vario
<b>Engine</b>					
Rated power ECE R 120	kW/hp	291/396	320/435	350/476	380/517
Maximum power ECE R 120	kW/hp	291/396	320/435	350/476	380/517
Constant power ECE R 120 from 1500 rpm to 1700 rpm	kW/hp	291/396	320/435	350/476	380/517
No. of cylinders	number	6	6	6	6
Cylinder bore/stroke	mm	126/166	126/166	126/166	126/166
Cubic capacity	cm³	12419	12419	12419	12419
Rated speed	rpm	1700	1700	1700	1700
Max. torque at 1100-1500 rpm	Nm	1910	2108	2305	2420
Torque rise	%	17.0	17.0	17.0	13.0
Fuel level	litres	740.0	740.0	740.0	740.0
AdBlue tank	litres	84.0	84.0	84.0	84.0
Constant power range	rpm	1500 - 1700	1500 - 1700	1500 - 1700	1500 - 1700
<b>Transmission and PTO</b>					
Transmission type		TA 400	TA 400	TA 400	TA 400
Speed range forward	km/h	0,02-60	0,02-60	0,02-60	0,02-60
Speed range reverse	km/h	0,02-33	0,02-33	0,02-33	0,02-33
Top speed	km/h	60	60	60	60
Rear PTO option		1000/1000E/1300	1000/1000E/1300	1000/1000E/1300	1000/1000E/1300
<b>Power lift and hydraulics</b>					
Variable flow pump	l/min	165	165	165	165
Variable flow pump option 1	l/min	220	220	220	220
Variable flow pump option 2	l/min	220+210	220+210	220+210	220+210
Working pressure / control pressure	bar	200	200	200	200
Max. valves (front/centre/rear) Profi / Profi+	Number	1/0/6	1/0/6	1/0/6	1/0/6
Max. available hydraulic oil volume	litres	100	100	100	100
Max. lift capacity of rear power lift	daN	12920	12920	12920	12920
Max. lift capacity of front power lift	daN	5584	5584	5584	5584

	1038 Vario	1042 Vario	1046 Vario	1050 Vario
<b>Tyres</b>				
Front tyres (standard)	650/60R38	650/65R38	650/65R38	650/65R38
Standard tyres rear	750/70R44	750/75R46	750/75R46	750/75R46
1st option for front tyres	650/65R38	710/60R38	710/60R38	710/60R38
1st option for rear tyres	750/75R46	900/65R46	900/65R46	900/65R46

	1038 Vario	1042 Vario	1046 Vario	1050 Vario
<b>Dimensions</b>				
Front track width (standard tyres)	mm	2100	2100	2100
Rear track width (standard tyres)	mm	2000	2000	2000
Overall width with standard tyres	mm	2750	2750	2750
Overall length	mm	6350	6350	6350
Total height of driver's cab with standard tyres with Fendt Guide	mm	3506	3606	3606
Max. ground clearance	mm	600	600	600
Wheelbase	mm	3300	3300	3300

	1038 Vario	1042 Vario	1046 Vario	1050 Vario
<b>Weights</b>				
Unladen weight (base tractor with cab - full tanks, without driver)	kg	14000.0	14000.0	14000.0
Max. permissible overall weight up to 40 km/h country-specific exception approval required	kg	23000.0	23000.0	23000.0
Max. permissible overall weight up to 50 km/h country-specific exception approval required	kg	21000.0	21000.0	21000.0
Max. permissible overall weight up to 60km/h	kg	18000.0	18000.0	18000.0
Max. trailer hitch load	kg	2000.0	2000.0	2000.0

\* Please refer to the Settings for equipment variants