



SELF-PROPELLED SPRAYERS
Xénon *PRO* and Xénon *EXPERT*

Xénon



▶ **GET THE POWER - BE EFFICIENT** ◀

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XÉNON PRO

XÉNON EXPERT



Power
Comfort
Productivity
Autonomy
Innovation
Silence

An identical structure
Two functional
control and spraying versions



A manoeuvrable and perfectly balanced sprayer

Stability + Balance = Spraying quality

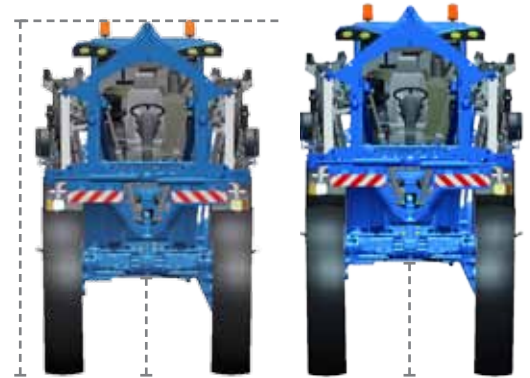


Boom folded (tank full)	45% Front	55% Rear
Boom unfolded (tank half full)	50% Front	50% Rear

Thanks to the harmonious layout of the various components (tank, boom, cab, engine unit), Xénon's front and rear weight distribution is very well balanced, whether on the road or during spraying.

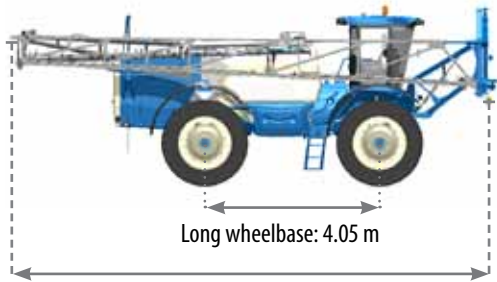
- Safety
- Conservation of the soil structure
- Spraying quality

4.06 meters. This is the total height of a Xénon fitted with Michelin 380/90 R 46 tyres (standard ground clearance).



Standard ground clearance: 1.10 m
Optional ground clearance: 1.30 m

Of course size matters!



11.80 m: Xénon length for 36 to 45 m booms
13.55 m: Xénon length for 50 m booms

Main tank	4300 or 5200 l
Rinse tank	520 l
Fuel	340 l
Min.-Max. track	1.90 to 2.70 m
Max. length	13.55 m
Max. height	4.16 m
Overall width	2.55 m
Turning radius	10.5 m
Unladen weight	9.6 t

40 km/h



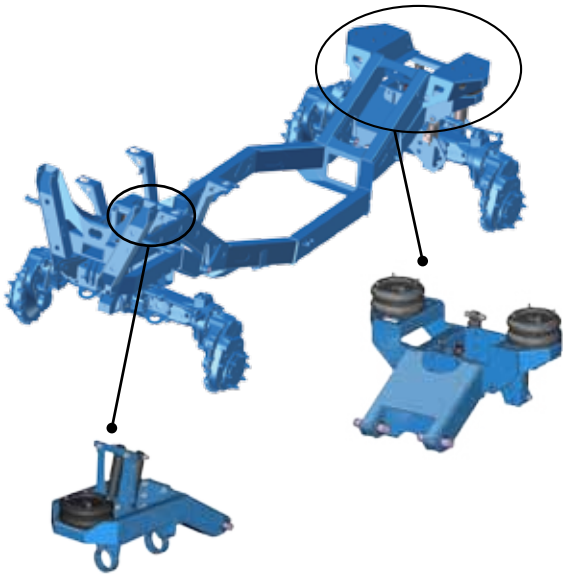
Save time when moving between your farm and fields: thanks to its road legal dimensions, the Xénon can travel both comfortably and safely at up to 40 km/h.



Excellent traction

HYDROMECHANICAL TRANSMISSION

"What are the *advantages* of a three point *suspended chassis*?"

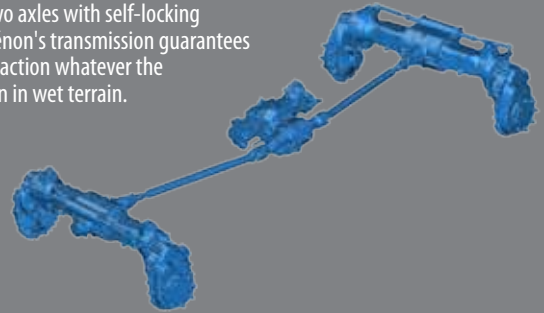


- General sprayer stability
- Enhanced driver comfort
- Improved road holding
- Reduced mechanical stress

Immersed brakes in the front and rear differentials (with a parking brake built-into the rear axle).
Epicyclic gear units are fully integrated into the wheel hubs: crops and mechanical parts are protected.

"What are the *advantages* of a *hydromechanical transmission*?"

Thanks to its two axles with self-locking differentials, Xénon's transmission guarantees you excellent traction whatever the conditions, even in wet terrain.



Compared with other transmissions, hydromechanical guarantees you:



The ability to easily get through difficult patches (hills, wet ground, slopes, etc.)

- More efficiently driven wheels: more power
- With a locking central differential for operating in the most challenging areas

Reliable and easily maintained equipment

- Simple design
- Equal power split to all four wheels
- A single hydraulic motor means that 20% less power is needed than with a conventional hydraulic transmission





A powerful engine Simple and economical driving

Xénon range engine options

Xénon PRO	17-43	175 hp / 129 kW	3A	4300
	21-43	215 hp / 160 kW	3B	4300
	23-52	245 hp / 180 kW + <i>standard second hydraulic motor</i>	3B	5200
Xénon EXPERT	21-43	215 hp / 160 kW (+ <i>optional second hydraulic motor</i>)	3B	4300
	23-43	245 hp / 180 kW (+ <i>optional second hydraulic motor</i>)	3B	4300
	23-52	245 hp / 180 kW + <i>standard second hydraulic motor</i>	3B	5200

Automatic engine governor: savings and comfort are guaranteed!

On the road	EcoControl	Automatic engine governor set for 1750 rpm
	Automotive	Automatic gear change (continuously variable transmission)
In the field	EcoControl	Automatic engine governor set for 1750 rpm
	Tempomat	Speed governor



- +** **Easy to use**
The system is fully automated: no action is required to control the engine speed
- User friendly working environment**
The engine runs at 1750 rpm, reducing noise in the cab and during incorporation
- Fuel economy**
The engine speed automatically adapts to the torque requirement for reduced fuel consumption
- Spraying quality**
You progress at a steady speed, spraying uniformly and precisely metre after metre

The powerplant is at the rear of the vehicle for reduced in-cab noise.



Innovation!
A flat mounted cooling system to avoid clogging: Air is pulled in from above and released through long side grilles.
This way, the radiator is never exposed to chemical spray or wheel splash.



To make regular maintenance easier, the lower covers can be removed without tools and are placed at a height where they can be reached. Treated by cataphoresis to guarantee maximum protection, they are also sound insulated.



Incorporate powders and liquids easily!



- Stainless steel 37 litre chemical induction hopper
- **Vibrator function** to improve powder flow
- Wide opening and specially designed shape to ease incorporation and improve overall user friendliness
- Drum rinsing system and high performance chemical induction hopper cone

Exclusive to
MATROT

The Xénon *EXPERT* + factors:



Standard on Xénon *EXPERT*, the *TANK CONTROL* system provides control of the following functions from the filling station:

- Pumps and valves,
- Tank filling,
- Chemical induction hopper,
- Engine speed,
- Equipment rinsing,
- Access ladder.



As standard on the Xénon *EXPERT*, you have a rinsing gun for rinsing consistently the chemical induction hopper and surrounding equipment.

The cone has a wide opening and its inner shape is designed to make it easy to incorporate and rinse out spray agent containers, regardless of their size.



Two control valves are located on the left hand side of the chemical induction hopper, for rinsing the containers and the cone.



Hand washing facilities (20 litres), a soap dispenser and a sealed box for storing your individual protection equipment are built into the front left mudguard.

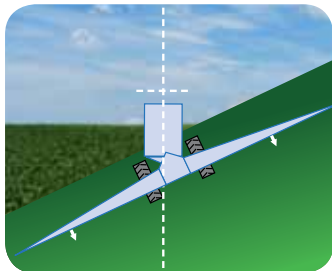




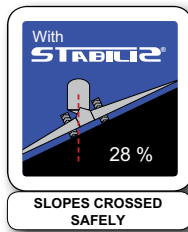
System patented by MATROT

STABILIS®

Matrot: the only manufacturer offering a slope compensation system that automatically corrects boom yaw!



Stabilis® is used to horizontally locate the self-propelled sprayer while maintaining the boom balance.



"Stabilis®: What are the advantages?"



- Safety**
Spray your slopes safely
- Stability**
Great boom level control
- Driver comfort**
On the road and in the field
- Save time when spraying**
Increase your average working speed
- Gain time when sowing**
You can sow fields across the slope

Preserving your soil structure: by moving the load up the slope, your sprayer has improved weight distribution on slopes.



Located on either side of the rear axle, two hydraulic rams automatically control the sprayer motion: the first controls the chassis position while the second corrects the boom position.



Option available on *XÉNON PRO* and *XÉNON EXPERT*

In the cab, Stabilis® is monitored:

- In *Xénon PRO*, using a separate colour display combining engine and Stabilis® data (see upper photo)
- In *Xénon EXPERT* via the Terminal 500 Comfort monitor (see lower photo).





STABILIS[®], customer testimonials



▶ **Emmanuel DEFFONTAINE** - Aisne (02)
Owns a Xénon EXPERT 4300 I - 45 m - Stabilis

Before I got my Xénon, I had never heard of Stabilis, but honestly it's phenomenal. Once you try it, you just have to have it!

I used to have another sprayer and more than once, gave myself a fright with it on slopes, despite 2.25 metre track and big wheels. Now, thanks to Stabilis, I have complete faith in my sprayer.

The other advantage, is that now I can sow some sloping lands driving across the slope. This saves time during planting and spraying and by keeping the speed more constant on these fields, I can even save fuel.



▶ **Jean-François BANDIERA** - Haute-Garonne (31)
Owns a Xénon EXPERT 5200 I - 36 m - Stabilis

This is a system that offers plenty of advantages, starting with the way it drives on the road: Stabilis can really be felt in turns or on roundabouts. It provides the sprayer with plenty of stability, even with the spray tank full.

At work, it is on slopes that Stabilis is the most surprising: You can really feel the difference between a sprayer with or without Stabilis. On the one hand, this is a system that

makes a big contribution to driver comfort, especially when turning at the end of the field, ready to start the next pass. On the other hand, Stabilis ensures excellent slope matching in relation to the ground: this is very reassuring for the driver, especially when working with long booms.



▶ **Denis SIMON** - EARL du Verlin
Moselle (57) - Owns a Xénon
EXPERT 4300 I - 42 m - Stabilis

I changed sprayer in 2012. I had a choice between a number of sprayers, but I opted for a Xénon because I absolutely wanted the Stabilis system. My former Maestria was not fitted with it, and on some fields, we could really scare ourselves, especially with the tank half full.

Since we have Stabilis, we don't even notice the difficult areas any more. We no longer worry whether the sprayer is empty or full, we just go for it! This is truly an impressive system. Even on flat fields, the stability achieved and boom's behaviour are impressive.

I also like the way it drives on the road: it only leans slightly when turning, it is very pleasant and is very comfortable.

Lastly, another asset of the Stabilis is the speed at which you can work: in obstacle-free fields, we increased our speed by 4 km/h. Now we can spray at 17-18 km/h easily, with great boom reactivity.



"What are the advantages of aluminium booms?"



- Corrosion resistance, even after years of liquid fertiliser applications
- Robust
- Light weight
- Zero paintwork maintenance
- Stability thanks to low inertia



ALUMINIUM BOOMS

"And in terms of visibility on the road and in fields?"



With its modern innovative design, Xénon has the perfect compromise between front boom operations and visibility.

- Wide boom support frame
- Hydraulic hoses, pipe work and cables are integrated into the structure



FRONT BOOMS



Aluminium front boom: for your comfort and for the durability of your equipment

A great choice of nozzles



nozAL



As standard, our self-propelled sprayers come with three sets of Nozal nozzles, to be chosen from the entire alumina or resin range made by this brand:

- Conventional 1 fan
- Double fan
- Low pressure
- Low drift
- Air inclusion
- Triple stream liquid fertiliser jets
- Five stream liquid fertiliser jets

Other nozzle brands can also be fitted (TeeJet, Lechler, etc.)

Flash the above QR code for more information on Nozal nozzles.

Available as an option, border jets are used to treat field edges.



The boom tips are protected by a safety section with a 4 mm PVC film: this protects your booms, hydraulic pipework and spray jets from any obstacles and from being scraped.



Xénon *EXPERT* is fitted with Pentajet nozzle holder as standard.

Xénon *PRO* comes with Quadrijet nozzle holder on 28 to 42 m booms and Pentajet nozzle holder on booms of 44 m and over.





XÉNON PRO Booms



Booms up to 50 m wide (except for the 17-43 model: maximum 38 m)

28 to 42 m: Quadrijet as standard (and optional Pentajet)
44 to 50 m: Pentajet as standard

Booms are split into as many as 15 sections

Field edge nozzles are optional

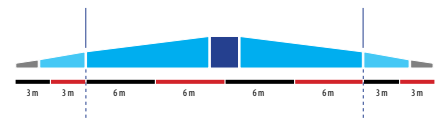
Boom tips: spray jets and equipment are protected by 4 mm transparent PVC



Some examples of the booms in our price list:

	Width	Sections	Spray jets per section	Boom width, with outer sections folded	Section cut off when folded
PRO booms	28 m	7	8-8-8-8-8-8-8	17 m	-
	33 m	6	10-11-12-12-11-10	21 m	-
	36 m	6	12-12-12-12-12-12	21 m	-
	36 m	7	9-9-12-12-12-9-9	21 m	-
	36 m	8	8-7-10-11-11-10-7-8	21 m	✓
	36 m	9	7-8-8-9-8-9-8-8-7	21 m	✓
	38 m	8	8-9-10-11-11-10-9-8	21 m	✓
	38/36 m	7	12-10-10-12-10-10-12	21 m	-
	38/36 m	8	8-9-10-11-11-10-9-8	21 m	✓
	38/36 m	9	8-9-8-9-8-9-8-9-8	21 m	✓
EXPERT booms	40 m	8	10-10-10-10-10-10-10-10	22 m	-
	42 m	7	12-12-12-12-12-12-12	23 m	-
	44 m	8	10-10-12-12-12-12-10-10	24 m	✓
	44 m	9	10-10-10-10-8-10-10-10-10	24 m	✓
	44/42 m	8	10-10-12-12-12-12-10-10	24 m	✓
	45 m	8	11-10-12-12-12-12-10-11	24 m	✓
	45 m	9	11-10-11-10-6-10-11-10-11	24 m	✓
	45/44m	8	11-10-12-12-12-12-10-11	24 m	✓
	48 m	9	11-11-10-11-10-11-10-11-11	26 m	✓
	49/48m	9	10-10-12-12-10-12-12-10-10	26 m	-
50/48 m	9	10-11-12-12-10-12-12-11-10	27 m	-	

"You need section splits that match the outer boom folding points?"



Optionally on Xénon PRO and EXPERT, you can design your sections differently:

- By changing the spray jet layout
- By changing the number of sections:
 - Up to 15 sections on PRO
 - Up to 18 sections on EXPERT

✓ The spray line layout enables spraying with the outer boom sections folded and the outer spray lines turned off.



XÉNON EXPERT Booms

- ▶ Booms of up to 50 m
- ▶ Pentajet as standard

▶ Some examples of the booms in our price list:

Width	Sections	Spray jets per section	Boom width, with outer sections folded	Section cut off when folded
28 m	7	8-8-8-8-8-8-8	17 m	-
30 m	6	10-10-10-10-10-10	17 m	-
33 m	6	10-10-10-10-10-10	24 m	✓
36 m	6	12-12-12-12-12-12	24 m	✓
36 m	8	6-6-12-12-12-12-6-6	24 m	✓
36 m	9	8-8-8-8-8-8-8-8-8	24 m	-
38 m	8	6-8-12-12-12-12-8-6	24 m	✓
38/36 m	7	12-10-10-12-10-10-12	24 m	-
38/36 m	8	6-8-12-12-12-12-8-6	24 m	✓
38/36 m	9	10-8-8-8-8-8-8-10	24 m	-
39 m	8	6-9-12-12-12-12-9-6	24 m	✓
40 m	8	10-10-10-10-10-10-10-10	24 m	-
40 m	9	8-8-10-10-8-10-10-8-8	24 m	✓
42 m	7	12-12-12-12-12-12-12	24 m	-
42 m	9	9-9-9-10-10-10-9-9-9	24 m	✓
42/40m	12	7-7-7-7-7-7-7-7-7-7-7-7	24 m	-
44 m	8	10-10-12-12-12-12-10-10	24 m	✓
44 m	9	10-10-10-10-8-10-10-10-10	24 m	✓
44/42 m	8	10-10-12-12-12-12-10-10	24 m	✓
45 m	8	11-10-12-12-12-12-10-11	24 m	✓
45 m	9	11-10-11-10-6-10-11-10-11	24 m	✓
45/44m	8	11-10-12-12-12-12-10-11	24 m	✓
48 m	9	11-11-10-11-10-11-10-11-11	26 m	✓
49/48m	9	10-10-12-12-10-12-12-10-10	26 m	-
50/48 m	9	10-11-12-12-10-12-12-11-10	27 m	-

EXPERT booms

Booms can be split into as many as 18 sections

Field edge nozzles are optional

On arm end: Spray jets and equipment are protected by 4 mm transparent PVC

The *H-TRONIC* system is optional (*automatic boom positioning to match the programmed working height*)

H-TRONIC system: easily manage your boom heights



Optionally on Xénon *EXPERT*, the *H-TRONIC* system lets you program two heights:

- Spraying: as soon as you start spraying, the boom drops to the programmed height to optimise spraying.
- Field end turnaround: as soon as spraying stops, the boom rises to its initial, pre-programmed height.

H-TRONIC is 100% automatic: on entering or leaving a field, you don't have any settings to enter.

BOOMS on Xénon EXPERT



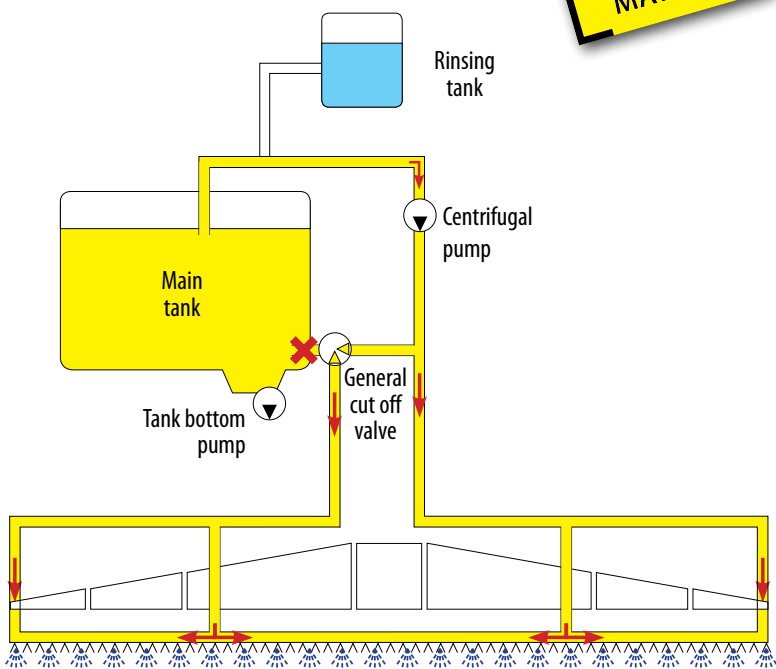
Continuous circulation: insist on *PPI*® by Matrot!

PPI CIRCULATION on Xénon *PRO* and *EXPERT*:



- No tank return flow during spraying
- Immediate pneumatic spray jet opening and cut-off
- No additional return pipe on the boom

System
patented by
MATROT



"Why is Matrot's *PPI*® *CIRCULATION*
system unique?"

Unlike other sprayers fitted with return circulation systems, the Xénon *EXPERT* *PPI*® system comprises only a single return pipe with a length of:

30 cm



"What are the *advantages*?"



- Reactivity
- Precision
- Minimum unusable volumes
- Easier rinsing
- Less chance of clogging

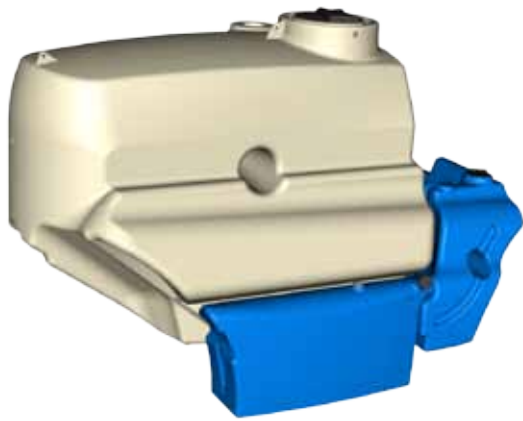
The Xénon *EXPERT*
+ factors:

On Xénon *EXPERT*,
you set the standby pressure to get the
right pressure as soon as you open the spray jets.



Xénon EXPERT
ZUV®

- ▶ Xénon tanks are made from rotation moulded polyethylene
 - Main tank (14 mm)
 - Rinse tank
 - Fuel tank



"Tanks: What are the advantages of rotation moulded polyethylene?"

- +
- Solidity
- Longevity
- Servicing
- Resistance to corrosion
- Easier rinsing

- ▶ Attention to detail : the main tank is specially designed to limit the residual volumes (7 L before the pump becomes un-primed)

Zero UNUSABLE VOLUME® - Xénon EXPERT

ZERO UNUSABLE VOLUME®:
drain, rinse, come home!

- ▶
 - No residual mix in your tank, your boom tubing, your pumps and pipes!
 - Your circuit contains nothing but clear water
 - No more dilution cycle effort and cost!

▶ ZERO UNUSABLE VOLUME® is an option available only on Xénon EXPERT



The Xénon EXPERT is the only available sprayer on the market featuring the ZUV® because of:

- +
- The shortest possible spraying circuit
- PPI® CIRCULATION with no return to the tank
- Motorised valves
- A pump for draining the tank bottom
- Specific electronic programming

TANKS



Efficiency, precision: the spray system on Xénon *PRO* and *EXPERT*

- ▶ **Excellent pump speed and flow rate control to match your needs**
 - Centrifugal pump with a wide operating range of adjustments from 0 to 4000 rpm
 - Easy control from the cab (or the *TANK CONTROL* system on Xénon *EXPERT*)
 - Speed is displayed on the control unit

- ▶ **High performance flow rate with easier filling and pressurisation**
 - 1100 l/min pump and 2" connections on *PRO*
 - 1100 l/min pump and 3" connections on *EXPERT*

"What are the **+** points offered by the Xénon *EXPERT* when spraying?"

- ▶ **The right pressure as soon as spraying operations start**
 - Adjustable standby pressure
 - Optional automatic valves



SPEED sensor



FLOW METER
• Easy disassembly and cleaning ("rapid check" type)



Electronic GAUGE
• Standard on *EXPERT*
• Optional on *PRO*



Pressure SENSOR



Centrifugal PUMP



Mixing VALVE
• Tank bottom mixture cut off to reduce unusable volumes



Regulator VALVE



Xénon PRO

860 spray controller

Simplicity and efficiency first

On Xénon PRO, the central unit (860) is only used for **spraying control**.

The other functions and controls are operated from **additional units**:



Engine / speed / progress
Rear steering
Stabilis®



DGPS Matrix 570 GS

The Xénon PRO features manual suction and return valves.



Xénon EXPERT

500 Comfort multifunction terminal

An interface that is easy to use Just one unit in the cab!



Engine / speed / progress	Booms
Spray control	DGPS
Section cut-off	Stabilis®



The Xénon EXPERT armrest: simple, easy to use, easy to learn.

The Xénon EXPERT features series of manually operated valves and a **TANK CONTROL** unit. Optionally, it can be fitted with automated valves (as shown below).



SPRAYING with Xénon PRO

SPRAYING with Xénon EXPERT



Xenon PRO

Precision and input savings with the 570 GS unit

- Colour 5.7" touch screen
- Reversing camera included
- Data saved to USB flash drive



4 functions handled by DGPS

Guiding line



Speed pick up



Slope correction



Boom section cut off up to 15 sections



"What are the advantages of DGPS assistance?"

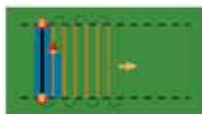
▶ 5% This is the average saving in inputs achieved with a DGPS system on your sprayer.

Choose a guidance mode to match how your field layout:



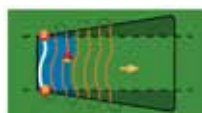
Straight line AB guidance

Straight line AB guidance guides you in a straight line between two reference points A and B. The A and B points of origin are used to calculate all of the other parallel guidance lines.



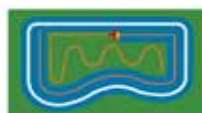
Curved line AB guidance

Curved line AB guidance guides you along curved lines built from the original A to B line used as a reference. This initial guidance line is used to calculate all other parallel guidance lines.



Last pass guidance

The last pass guidance function is used to follow the previous pass precisely. The console automatically detects the closest guidance line and defines the adjacent passes to it.



DGPS on Xénon PRO



Optimised field management Quicker job setting

Xenon EXPERT



A10.4" colour display:
ease of use and simple navigation

7 functions controlled by DGPS

Guiding line



Speed pick up



Slope correction



Boom section cut off
up to 18 sections



Automatic steering



Headland management



Spray rate adjustment



**"The USB flash drive: way more than an accessory,
your field map memory!"**

Traceability = time savings

- On leaving a field, store the treatment data to your USB flash drive (saving the field name, the contours, guidance lines and any obstacles there may be).
- Back at the farm, archive this data and integrate it into the "GOOGLE EARTH™" map service".
- You can then work with various formats (maps compatible with farm management programs, SHP, Dbf and SHX formats).
- When you return to a field, thanks to the USB flash drive, you can retrieve the complete information available from previous spray applications: you no longer have to re-enter contours, lines, etc. In all, you can store up to 16 000 plots.



Other DGPS characteristics on Xenon EXPERT:

- You can save five different AB lines for the same field
- Additional guidance mode: "Heading based navigation"
- You can save a fixed GPS point for calibration and managing satellite shift when returning to your fields
- Headland management at the end of a bout to improve the spray efficiency and to reduce wheel marks in the crops
- Adjusting spray rates depending on your crop requirements
- Automatic handling of up to 18 sections





For those of you with a pump at the farm and who wish to fill their tanks directly: there are direct fillers on the main and rinse tanks.



Rinse your sprayer thanks to the optional hose reel with a 10 bar pressure lance (hose length 20 m).



On the Xénon *EXPERT*, a spray gun is provided for rinsing the chemical induction hopper and surrounding equipment.

To keep them clean, the diesel fuel filters are protected by the lower covers at the rear of the sprayer. To ease servicing, they are accessible at working height.



From the rear of the sprayer, access to the radiator is made easy by a telescopic ladder.



For your tools: two optional storage boxes are available at the rear of the sprayer. Usable dimensions: 50 x 32 x 33 cm. Key lockable.





EASY ACCESS

CATEGORY 4 Protection

The only cab recommended by health care insurer MSA for crop spraying!



▶ **Optimum driver protection**
Air quality
Comfort

A high performance filtration system (to EN 15695-2 standard):

- A triple air filtration: paper, particles, active charcoal
- Ensures the best possible protection against dust, aerosols and vapours

A pressurised cab (to EN 15695-1 standard):

- No products can enter the cab thanks to the 20 Pa pressurisation
- An indicator warns you as soon as any loss of pressure is detected
- The 'Plus' factor featured by Matrot: our Category 4 cabs automatically pressurise as soon as the door closes and the ignition is switched on. The driver doesn't have to take any action to start cab protection

Effective ventilation and air-conditioning

- Continuous air renewal to ensure driver comfort (500 l/min)
- Quick and effective demisting

"What am I protected against when being in the cab?"

		Category 4
	Category 3	Vapours
	Category 2	Aerosols
Dust	Dust	Dust



Standard equipment on Xénon *PRO* and *EXPERT*

Engine and transmission

- Deutz - 6 cylinder engine - 6100 cc - Turbocharged - Water cooled
 - 175 hp (129 kW) Tier 3A (*on PRO only*)
 - 215 hp (160 kW) Tier 3B
 - 245 hp (180 kW) Tier 3B
- 3-function automatic governor
- 340 litre fuel tank
- Hydromechanical transmission:
 - Four-wheel drive and steering
 - One 4 cylinder hydraulic pump (2 hydraulic pumps are standard on 23-52)
 - One centre differential lock
 - Two mechanical axles with automatic differential locks
 - Multi-disc brakes immersed into the front and rear axles
 - Epicyclic gears integrated into the wheel hubs
- Maximum speed on road is 40 km/h
 - One field range 0-25 km/h
 - One road range 0-40 km/h
- Three rear steering modes:
 - Four wheel steering function
 - Slope function
 - Manual function

Chassis

- Chassis made of high resistance steel
- Air suspension with three air springs
- Oscillating front axle
- Ground clearance 1.10 m (depending on tyres)
- Track of 1.90 to 2.70 m (depending on tyres), optional wide track of over 2.49 m
- Standard equipment tyres: 380/90 R 46
- Four rubber mudguards

Cab

- Access ladder, hydraulically retracted - Rear access
- 360° windows - panoramic visibility (tinted glass)
- Pressurised cab, Category 4 rated standard:
 - Protection against dust, aerosols and vapours
 - Triple air filtration (against dust, charcoal based)
 - Manually controlled air-conditioning
- Soundproof interior
- Top of the range air cushioned seat
- Adjustable steering column
- Lighting with 8 adjustable work lights that can be turned by 180°
- Two beacons

Tanks

- Main tank 4300 litres or 5200 litres (+ 5 %)
- Rinsing tank 520 litres
- Single piece tanks made of rotation moulded polyethylene
- Tank rinsing by 6 rotating tank rinsing nozzles

Fittings

- Vibrating Stainless Steel induction hopper (37 litres)
- 20 litre hand washing tank
- Mechanical gauge (with float ball)
- Air gun
- Sealed box for storing your individual protection equipment

Exclusive to MATROT

The + points of the Xénon *EXPERT*:

- Electronic tank level gauge as standard
- *TANK-CONTROL* unit as standard: multifunction controls and information (induction hopper lowering, engine speed, filling, valves...)
- Integrated in the valve block: a 20 bar rinsing gun for cleaning chemical containers and the induction hopper

Pumps and valves

- Electric agitation valve
- Variable speed centrifugal pump 1100 l/min for spraying, agitation and filling

The + points of the Xénon *EXPERT*:

- Piston and membrane pump with 4 functions:
 - Priming the sprayer pump
 - Transferring clear water from the rinsing tank > Main tank
 - Rinsing chemical containers with clean water
 - Supplying the handheld exterior rinsing gun

Spray management

- On the *PRO*: 860 electronic regulation unit with data back-up + supplementary control unit showing speed, output, pressure, area, litres...

On the Xénon *EXPERT* :

- A single control box in the cab : a 500 Comfort terminal with a 26 cm colour screen showing speed, output, pressure, area, litres... USB flash drive data storage and transfer

Booms and circulation

- Aluminium front booms- stainless steel pipework
- From 28 to 50 metres, *maxi. 38 m for the Xénon PRO 17-43 (175 hp)*
- *PPI CIRCULATION*® system with pneumatic section control
- External boom sections: independent folding
- Internal boom sections: simultaneous folding
- Boom fitted with safety arms able to move forward and backward

System patented by MATROT

Nozzles

- Quadrijet nozzle holders from 28 to 42 m on the *PRO*
- Pentajet nozzle holders from 44 m on the *PRO*
- Three sets of NOZAL nozzles (to be specified)

The + of the Xénon *EXPERT*:

- Pentajet nozzle holders for all boom sizes

OUR OPTIONS



Because you operate in challenging conditions

- **STABILIS® System:** keeps the chassis horizontal and adjusts the boom angle
- Two hydraulic motors for steep slopes



- | | |
|---------------|---------------------|
| ○ | ○ |
| ● 245 hp only | ● 245 hp / ○ 215 hp |

Because you spray tall crops

- Increased ground clearance to 1.30 m

- | | |
|---|---|
| ○ | ○ |
|---|---|

Because you prefer spraying at night or in the early morning hours

- Blue boom lights (2, 4 or 6 according to working width)

- | | |
|---|---|
| ○ | ○ |
|---|---|

Because you want absolute precision

- Informative weather station (anemometer, thermometer, hydrometer)
- Electronic gauge
- Switch controlled section cut off: M-Box unit supports up to 18 sections
- Joystick controlled section cut off (maximum 9 sections)
- Speed controlled by DGPS
- DGPS guidance
- DGPS controlled boom section cut off
- Slope correction
- DGPS automatic steering
- Rear spray jets

- | | |
|--------------------|--------------------|
| ○ | ○ |
| ○ | ● |
| - | ○ |
| ○ | - |
| ○ | ○ |
| ○ | ○ |
| ○ max. 15 sections | ○ max. 18 sections |
| ○ | ○ |
| - | ○ |
| ○ | ○ |

Because your sprayer must perfectly match your plot map

- 2.50 to 2.70 m track
- Specific sectioning
- Additional sections
- Supplement to configure cut-offs for 14 to 18 sections
- Field edge spray jets
- Pentajet
- 4th NOZAL nozzle
- 5th NOZAL nozzle
- Spray jets - any brand other than NOZAL

- | | |
|---------------------|--------------------|
| ○ | ○ |
| ○ | ○ |
| ○ max. 15 sections | ○ max. 18 sections |
| - | ○ |
| ○ | ○ |
| ○ < 42 m / ● > 44 m | ● |
| ○ | ○ |
| ○ | ○ |
| ○ | ○ |

Because you want to return to the farm with a minimum tank load

- Spraying the spray mixture left on the bottom of the tank using the rear spray jets
- **ZERO USABLE VOLUME®** system: for complete tank emptying

- | | |
|------------|------------|
| ○ (2 jets) | ○ (4 jets) |
| - | ○ |

Because you like automated systems



- Hydraulically powered valves
- **H-TRONIC system:** automatic boom height positioning (headlands / spraying)
- Automatic transfer from the clean water rinsing tank controlled from the cab

- | | |
|---|---|
| - | ○ |
| - | ○ |
| ○ | ● |

Because you want ease of use

- Rear view camera
- Additional beacon
- Vacuum pipe
- Spray agent suction pump
- Storage tray for spray agent containers
- Two sealed storage boxes at the rear
- Hose reel and spray gun for external machine rinsing

- | | |
|---|---|
| ○ | ○ |
| ○ | ○ |
| ○ | ○ |
| ○ | ○ |
| ○ | ○ |
| ○ | ○ |
| ○ | ○ |

Because you plan servicing ahead of time

- Filtration kits for servicing at 50, 200 or 400 hours

- | | |
|---|---|
| ○ | ○ |
|---|---|

- As standard
- As an option
- Unavailable

Design: working closely with our customers

Reactivity - Creation - Innovation

Our customers are the force behind our self-propelled sprayers. It is by closely listening to their needs that we design, create and develop tomorrow's sprayers. All of our sprayers are designed in-house by our R&D Department, and they are the result of more than 25 years' experience in precision spraying.

Safety – Approval

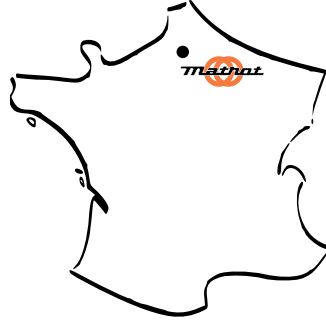
Guaranteeing your safety is one of our priorities. Each of our sprayers complies with the strict manufacturing and safety standards imposed by the DREAL. They are MAGA approved (self-propelled agricultural machines): each of the components is taken into account for the administrative certification, therefore guaranteeing your safety.



Made in France

Quality - Expertise - Experience

Ever since Matrot Équipements was founded in 1959, our headquarters have been at Noyers-Saint-Martin, in France. Even today, Matrot sprayers are still entirely designed, manufactured and assembled here. The factory has grown and evolved in line with technological changes.



Technical department: recognised expertise

Closeness - Expertise - Availability

Experts that are passionate about their work: This is how we can describe the people at Matrot's Technical Department. Their availability and expertise make this department one of the strong points in the relationship with our customers.



Training centre

Technical expertise - Closeness

Matrot also runs a training centre for our dealers. Learning how to use the equipment, providing technical explanations, working on models, etc. Every year, training sessions are held to share Matrot's know-how with our technical representatives.

www.matrot.fr

YouTube



Stay connected!



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