

Professional GPS technology for agricultural use



LAND SURVEYING DEVICES

- To easily settle disputes
- To survey your land in an affordable and accurate manner
- To survey, independently from land surveyors

ROW GUIDANCE DEVICES

- To reduce the amount of applied fertilizers and pesticides
- To reduce fuel consumption
- To reduce working time
- For more precise work without overlapping and omissions

LD-Agro








www.ldagro.com

GPS land- and field surveyor devices

LD-Agro - GPS Mapper

Would you like to survey your land by yourself, easily, quickly and affordably?
Choose GPS Mapper!



	Land surveying accuracy: ~ 1%
	Point recording accuracy: 2-3m
	Correction signal
	Coordinate systems
	Free satellite signals
	English language device
	KML map format








Advantages of the device:

No more boundary disputes with your neighbour, and you can check the actual dimensions of the seasonal works area. The problem of recording of landmarks and corner points is solved! It is suitable for surveying, recording different fields, and optional points as well, for example: wildlife damage, bottomland area, soil sampling points, strong weed, brooding area, ditches, tree rows, etc. You can use it for surveying your land while walking or driving, too.

Accessories: GPS Mapper land surveying instrument, English language land surveying software (installed on 2GByte SD card), English language user manual, car holder, USB sync cable, car charger.

LD-Agro - GEO Mapper

You do not want to wait for the surveyors? Are you looking for an accurate land surveying device? Then, the GEO Mapper backpack with GPS is the ideal solution!

	Land surveying accuracy: ~ 0.5%
	Point recording accuracy: <1,25m
	Correction signal
	Coordinate systems
	Free satellite signals
	English language device
	KML map format

Advantages of the device:

Recording points, boundaries and area sections. A handheld computer that can be used independently. Precision GRAMIN GPS receiver built into the backpack for a better satellite reception. It is certified by the German TUV, its accuracy is tested and guaranteed by NavCert. It supports the free Google Earth KML file format, so you can view the surveyed tables and farm maps on your home computer.









Accessories: 5" PNA, English language land surveying software (installed on a 2GByte SD card), English user manual, car holder, USB sync cable, car charger.



GPS land- and field surveyor devices

LD-Agro - Precision Mapper

You want to not only survey the boundaries of your fields, but to measure a point, line or area as well? Choose Precision Mapper, the area control of the farm.

	Land surveying accuracy: 0.5%
	Point recording accuracy: 1,25m
	Correction signal
	Coordinate systems
	Free satellite signals
	English language device
	KML map format
	Built in SIM Card socket for GSM network.



Advantages of the device:

The Precision Mapper land surveying GPS is an excellent device at your service, which can be used to survey and locate the dimensions of the land, area sections, lines or soil sampling points. The surveyed data can be managed in layers, can be expanded with additional data or arranged into projects.

If you want to enclose your land, with the Precision Mapper, you can measure the perimeter with an accuracy of one metre. If your land has suffered wildlife damage, it is enough to reload the appropriate field from the memory of the land surveying instrument, and subtract the damaged sections from it. You will know the size of the damaged area within a few minutes right on the site.

The LD-Agro Precision Mapper software is in English, the menu options are plain and clear, its use can be acquired quickly. Land surveying is very simple, you only have to walk or drive along the area or the line to be surveyed, and the land survey or is continuously recording the covered distance. The data from the Precision Data Mapper land surveying GPS can be copied to your computer in shape or KML formats.

Device parameters:










Operating system: Windows Mobile 6.5 | Dimensions: 150*75*29mm | CPU: Marvell xScale PXA310 624Mhz | Internal memory: 256MB NAND FLASH, DDR 128MB | External Memory: 1~16GB Micro SD card | Display: 3.2" TFT LCD, well visible in sunlight as well | Communication: Bluetooth, Battery: 3.7V - 3000mAh | Battery charger: DC 5V 500mAh / AC 100V-240V | Weight: 380g | Water and shock resistance: IP54 (dropped onto concrete surface from max. 1.5 metre).



GPS row guidance devices, automatic section controllers

LD-Agro - Mg Navigator

Are you looking for an affordable GPS row guidance device, with a large display?
In the Mg Navigator device, you will find it all.

	- 18cm ENORMOUS touchscreen
	- Land surveying, hectare calculation, speed display
	- 0-30cm* pass to pass accuracy, in 95% of cases
	- 26dB, 30-channel GPS antenna
	- Free satellite signals
	- 2D/3D graphical display
	- Storage of work data and work reports on the device
	- The data can be viewed on PC
OPTIONAL ACCESSORIES	Reverse camera 



You can always be on the right track with the LD-Agro Mg Navigator agricultural GPS.

During field works carried out without tramlines, overlapping is always on the agenda, and it can cause considerable losses: this results, on average, 7% of excess fertilisers, pesticides applied, higher machine costs and more working hours. Now all these can easily be avoided by using the LD-Agro Mg Navigator GPS row guidance. No more overlapping between rows. No more unnecessarily applied fertilisers and pesticides

By using this row guidance device, adjusting to straight or curved reference lines, you can always stay on the optimal trace, this way decreasing the overlapping and omissions to a minimum. With the help of this GPS row guidance device, you can decrease both machine costs and working hours. Complete more work in less time. You can do it by using this row guidance device.

Advantages of the device:

Satisfactory work performance in fog or dark or even in a dust cloud. It makes the job of the driver significantly easier, so overlapping and omissions can be minimized. It is very simple to operate; its use can be acquired from the user manual quickly. The machine can be mounted in 5 minutes or re-mounted in another vehicle.



The box contains:

- LD-Agro Mg Navigator Row Guidance Device
- 20-channel SiRFStar III GPS receiver integrated into the device
- stabile mounting arm
- 12V mains cable
- English language user manual
- 27 dB external GPS antenna
- USB synchronization cable
- free LD-Agro-MAP software included
- SD Card














LD-Agro 

GPS row guidance devices, automatic section controllers

LD-Agro - Mg Navigator V2

Do you want to acquire the basics of precision farming?

Choose this affordable, yet powerful and precise GPS row guidance.

	- 18cm ENORMOUS touchscreen, 800x480 resolution
	- Land surveying, continuation of interrupted work speed display, hectare, digital compass
	- Pass to pass accuracy: 0-20cm* in 95% of cases
	- Calculates the position 5X a second, displays the number of satellites and the signal strength
	- DGPS (EGNOS, MSAS, GALILEO Ready), e-Dif correction, HDOP value adjustment to a specific GPS accuracy
	- 2D/3D graphical display
	- Sectioning display for spraying, fertilizer application and seeding
	- Records and notifies of obstacles and field boundaries
	- Stores work details and work reports on the device
	- Strongly built and stable fixing on the dashboard
	- You can view the dimensions of the field, the completed work, omitted and overlapping areas on PC with the help of the Google Earth mapping software.



Advantages of the device:

You can start precision farming right away, avoiding overlaps and double-applications. Do not keep looking at the weedy rows on your land. Use the Mg Navigator V2 device for accurate spraying, fertilizer application, together with the sectioning support function. Spray chemicals only where they are really needed.

Options:

Reverse camera: It can be supplemented with two cameras, for example, for monitoring the machinery and the crop flow.



Automatic sectioning control: Universal, can be installed, in almost any type of machinery.



Row guidance options:



A+ Straight



A+ Straight with single headland



A+ Straight with multiple headland



A+ Heading parallel



Identical curve



Free

GPS row guidance devices, automatic section controllers

LD-Agro - Line Guide 300

Do you need outstanding accuracy with free satellite signals? Choose the Leica GPS receiver, which can optionally receive the signals of the Russian GLONASS, so you can forget about sudden signal losses.



- 18 cm ENORMOUS touchscreen, 800x480 resolution



- Area measurement, resume interrupted work, speed display, hectare measurement, omitted and overlapping treatment area statistics, digital compass



- 0-20cm* - pass to pass accuracy, in 97% of cases



- Geographical informatics GPS receiver, calculating the position 5 times a second

FREE



- DGPS (EGNOS, MSAS, GALILEO Ready), e-Dif correction, HDOP value adjustment to a specific GPS accuracy



- 2D/3D graphical display



- Sectioning display for spraying, fertilizer application and seeding



- Records and notifies of obstacles and field boundaries



- Stores work details and work reports on the device



- Strongly built and stable fixing on the dashboard



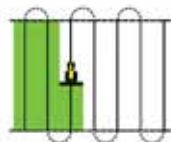
- You can view the dimensions of the field, the completed work, omitted and overlapping areas on PC with the help of the Google Earth mapping software.



Advantages of the device:

With the Leica GPS receiver, you can leave your competitors far behind. This Leica GPS receiver can optionally receive the Russian Glonass signals, so the device can work much more accurately with more satellites.

Row guidance options (Line Guide 300, 800):



A+ Straight



A+ Straight with single headland



A+ Straight with multiple headland



Line Guide 300, 800 improvement opportunities:

- **Reverse camera:** 2 pieces of reverse cameras can be connected to the LineGuide 300 and 1 piece to Line Guide 800.



- **Automatic sectioning control:** (Leica AS7500 with automatic spraying valve controller for a further 2-3% savings in material costs. Regardless of the sectioner's type, the controller can be installed on almost any types of sprayers.



- **Headland Control – Posterior top dressing** In the case of some types of corrosive chemicals, for example: AHL or can cause damage to the machines and tires, thus it is advisable to complete the top dressing of the field last. Using Headland Control you can even avoid the trampling down of the freshly sown seeds. You can determine how many rows you want to leave for top dressing. Then, the device will always signal if you reach that row. Thus, top dressing of the field can be carried out at the end of the work operations, more economically and without overlapping.













LD-Agro

GPS row guidance devices, automatic section controllers

LD-Agro - Line Guide 800

The most accurate row joining and guidance even at turning points and along curved lines? Choose the GPS device with a 10Hz John Deere GPS receiver.

	- 18 cm ENORMOUS touchscreen, 800x480 resolution
	- Area measurement, resume interrupted work, speed display, hectare measurement, omitted and overlapping treatment area statistics, digital compass
	- 0-20cm* - pass to pass accuracy, in 97% of cases
	- Geographical informatics GPS receiver, calculating the position 10 times a second
	- Free satellite signals
	- 2D/3D graphical display
	- Sectioning display for spraying, fertilizer application and seeding
	- Records and notifies of obstacles and field boundaries
	- Stores work details and work reports on the device
	- Strongly built and stable fixing on the dashboard
	- You can view the dimensions of the field, the completed work, omitted and overlapping areas on PC with the help of the Google Earth mapping software.



Row guidance options (Line Guide 300, 800):



A+ heading parallel



Identical curve





Free

Advantages of the device:

Thanks to the 8" enormous display, the device is easy to see for everyone. Due to the signal refresh rate of the 10Hz John Deere GPS, you can use the device with confidence even at turning points.

Line Guide 300, 800 improvement opportunities:

- **Last track row guidance mode** If you do not want to work with parallel track lines, the Last Track mode can be optionally selected. In this case, if you leave the ideal track, (for example, you need to go around a tree on the field), in the next row, the new track line will be the reference line. Thus, in all cases the previous row will be the next reference line. 
- **Precision site-specific application.** A fertilizer application map can be uploaded on the device, based on soil sampling maps or yield map. The SHP maps can be prepared manually, for example with the Farmworks software or by Soil Analysis service providers. Then the required application rate is displayed with an accuracy of one metre and the site-specific application cost can be calculated effectively. 



Additional components for row guidance devices

Starfire 300 10Hz GPS receiver



Ublox 5Hz GPS receiver



Leica SMART GPS 5Hz EGNOS



**Leica SMART GPS 5Hz GLONASS
Activation**



Vacuum RAM Arm



ca AS7500 Automatic Section Controller



LD-Agro reverse camera set



*The accuracy of the GPS receivers depends on how many satellites can it receive in the given time of day, whether it receives correction signals, and whether there are any shielding/disrupting factors nearby, among others. We do not assume responsibility for the indicated accuracy of the GPS enabled devices. The continuous availability of the DGPS correction signals and the number of available satellites and their accuracy is dependent on factors beyond our control; we cannot affect them.

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