User Manual

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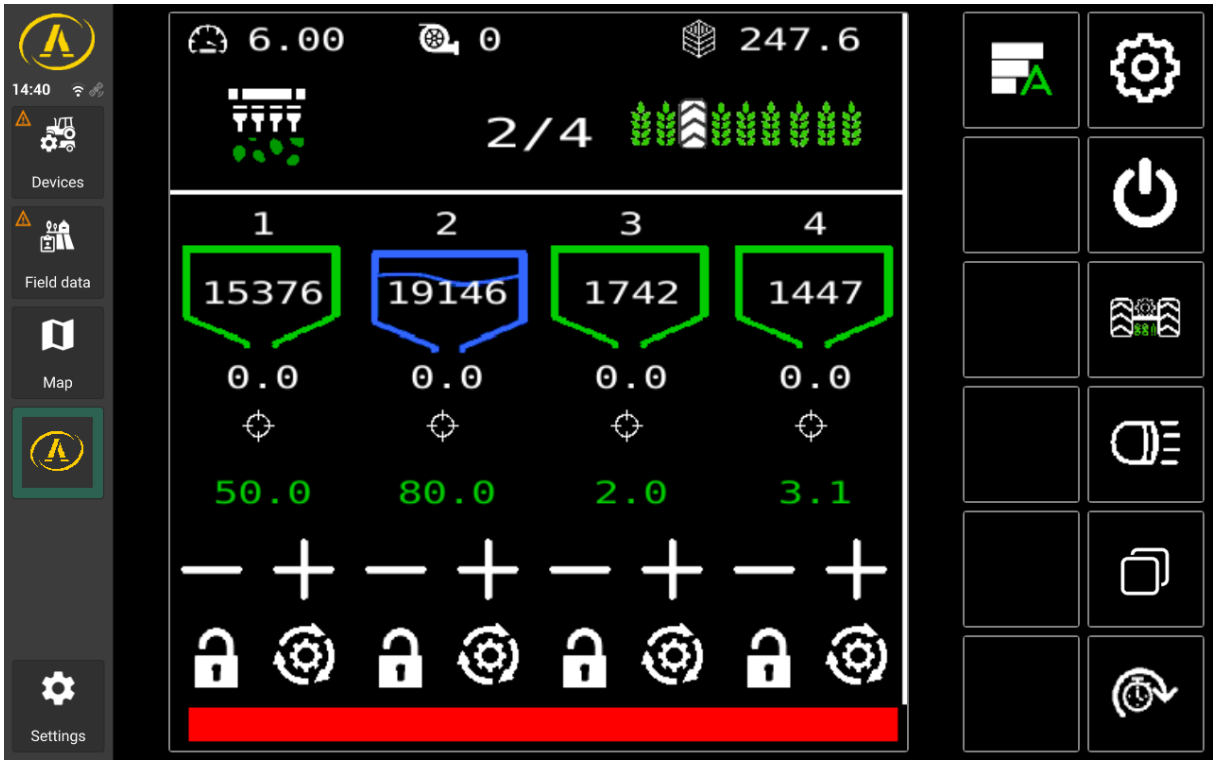
1. Home Page

When you start the application, the terminal displays the home page. In this state, the system is inactive.

➔ Click the Machine to start the system.

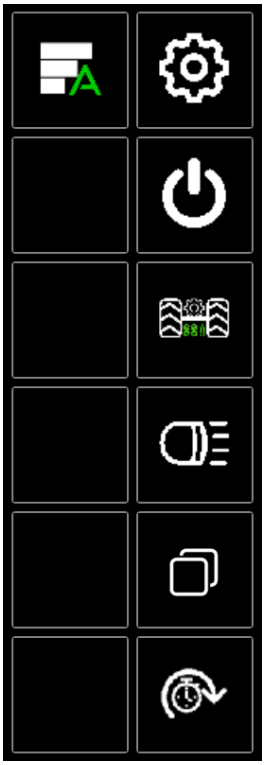
2. Working page



a. Soft keys

Section control mode change

Automatic Manual



Settings Page

Turn off the application (return to home page)

Control manual milestones

Control headlights

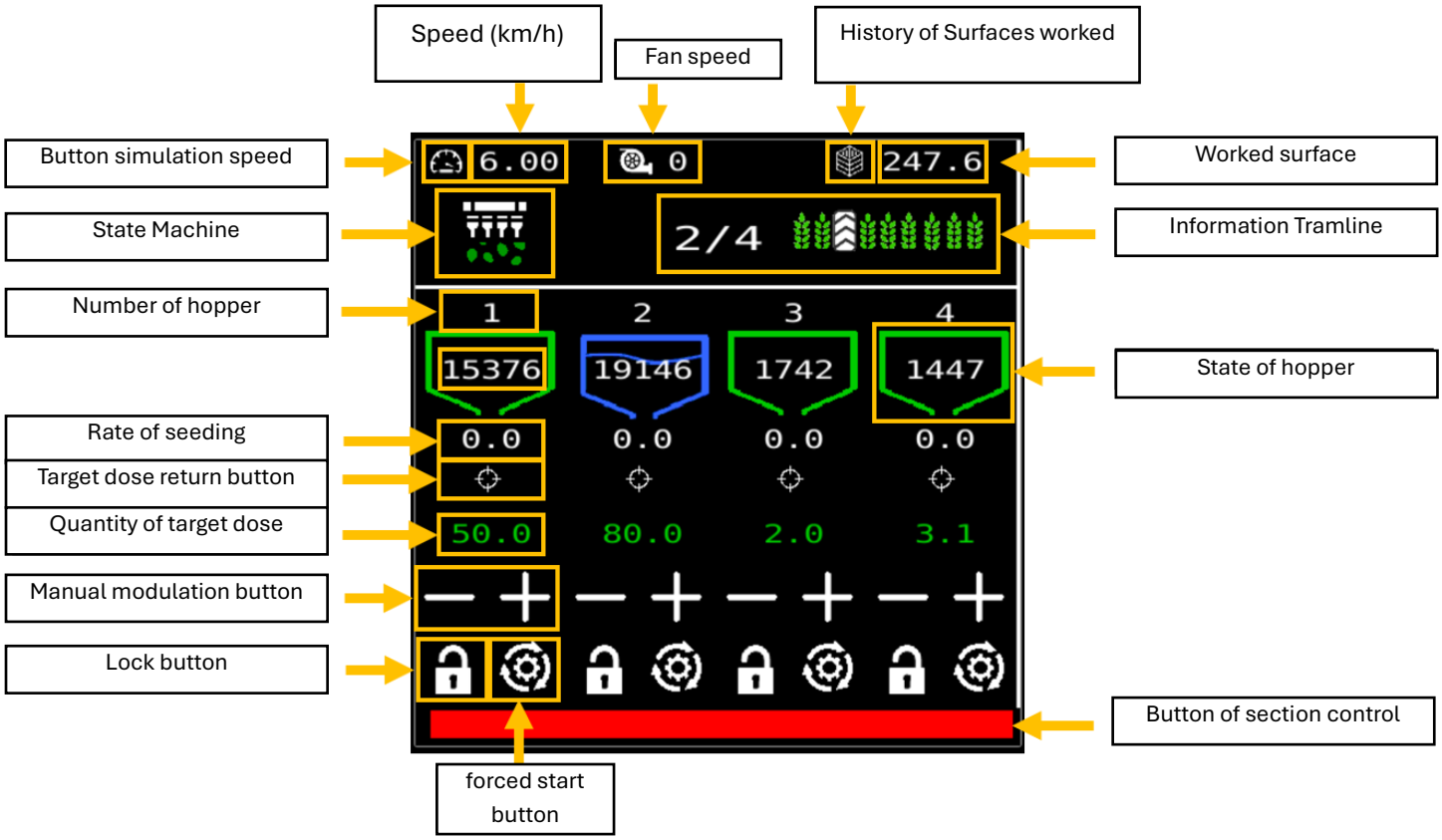
Seed Controllers Page

Activation of anticipation

Inactive

Active

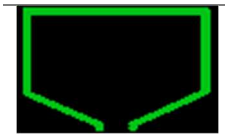
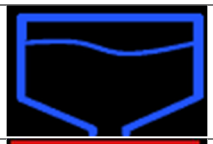
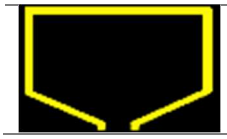
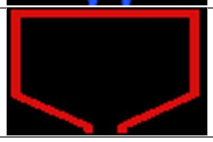
b. Working screen



1) Button states

	Unlocked dispenser		Locked dispenser
	Forced march disabled		Forced march activated
	Simulated speed disabled		Simulated speed enabled

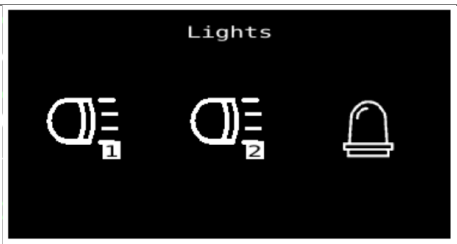
2) Meanings of hoppers

	Full hopper		Liquid hopper
	Hopper on reserve		Empty hopper

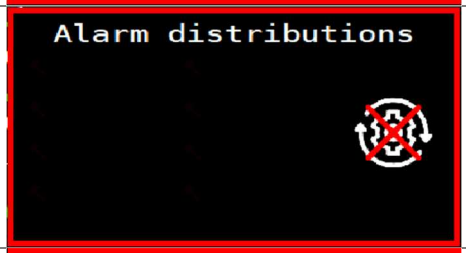
3) Milestone Meanings

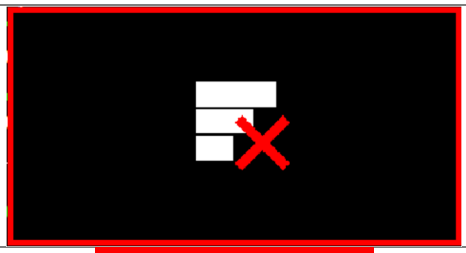
	Complete sowing		Right and left milestone
	Right milestone		Left milestone

4) Using pop-ups

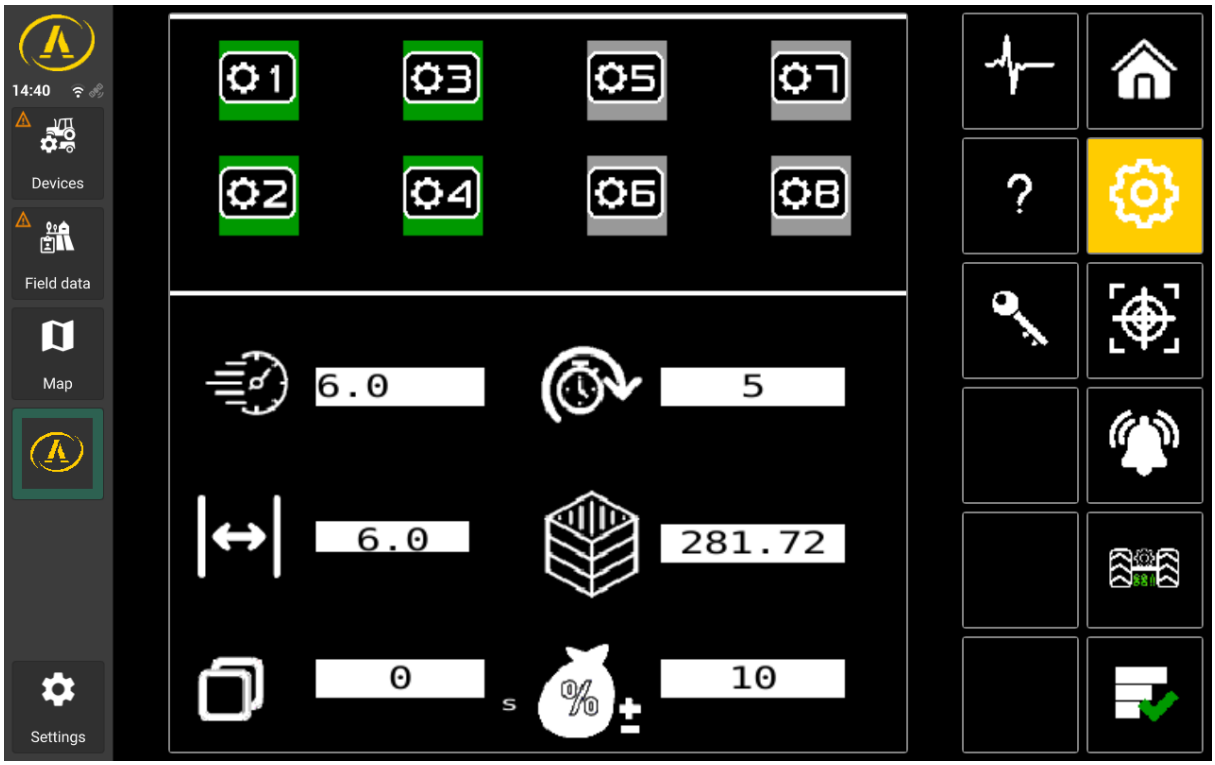
	Lighting control pop-up (if installed). The icon turns orange if the light channel is on.
	Pop-up for controlling the marking sequences. The image indicates the current milestone. "-" button: return to the previous sequence. "+" button: go to the next sequence.

5) Alarm Meanings

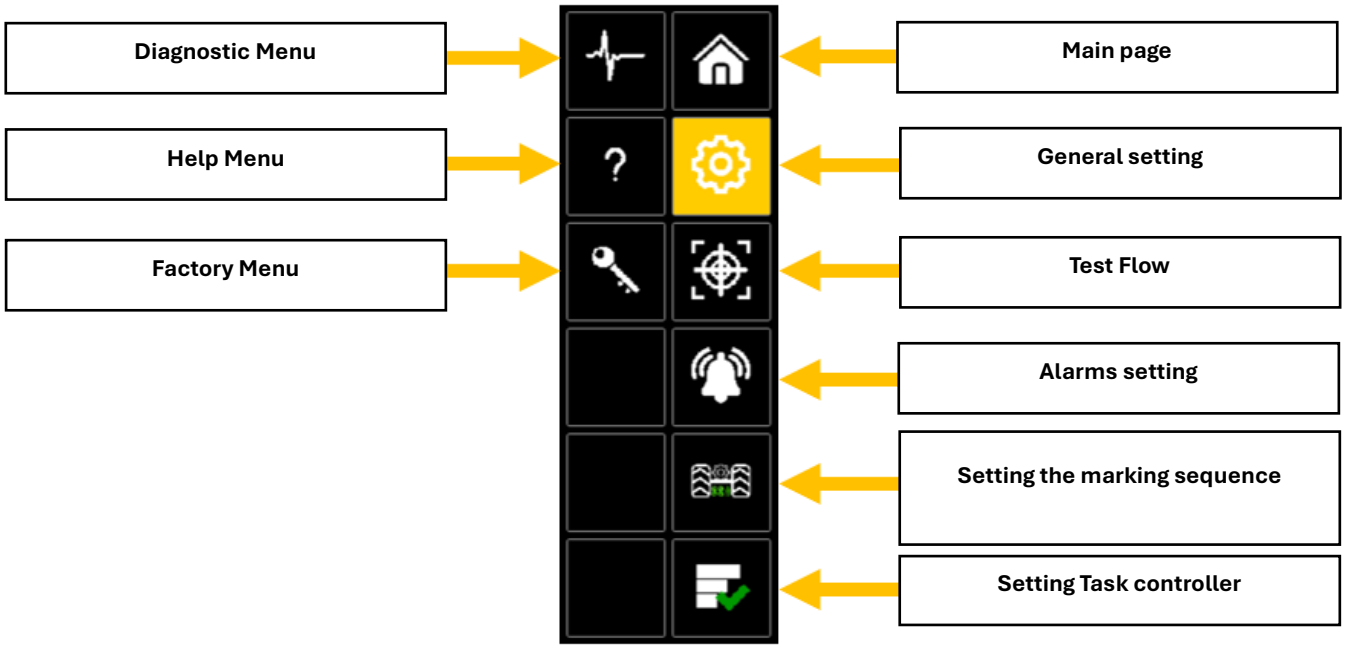
		Lost or no GPS signal: - Check the antenna connection. - Check the antenna beam. - Make sure you are outside.
		GPS signal found.
		The tractor task controller informs that no ISOBUS task is active.
		The tractor task controller informs that an ISOBUS task has just been activated.
		Hopper alarm active, hopper number is displayed in the center. - Empty hopper. - Faulty hopper sensor.
		Dispensing alarm active, the dispenser number is displayed in the center. - Check the choice of groove. - Check your working range - Check that the dispenser is not blocked
		Turbine alarm active. - Check your hydraulics - Check that the sensor is functional - Check your choice of turbine rotation speed rangee.

	Active section control module alarm. - Check the section control module fuse (if available) - Contact a technician.
	Active connection alarm. - Check that the seeder is properly supplied with 12V. - Check auxiliary power if installed. - Check the fuse of the affected module.

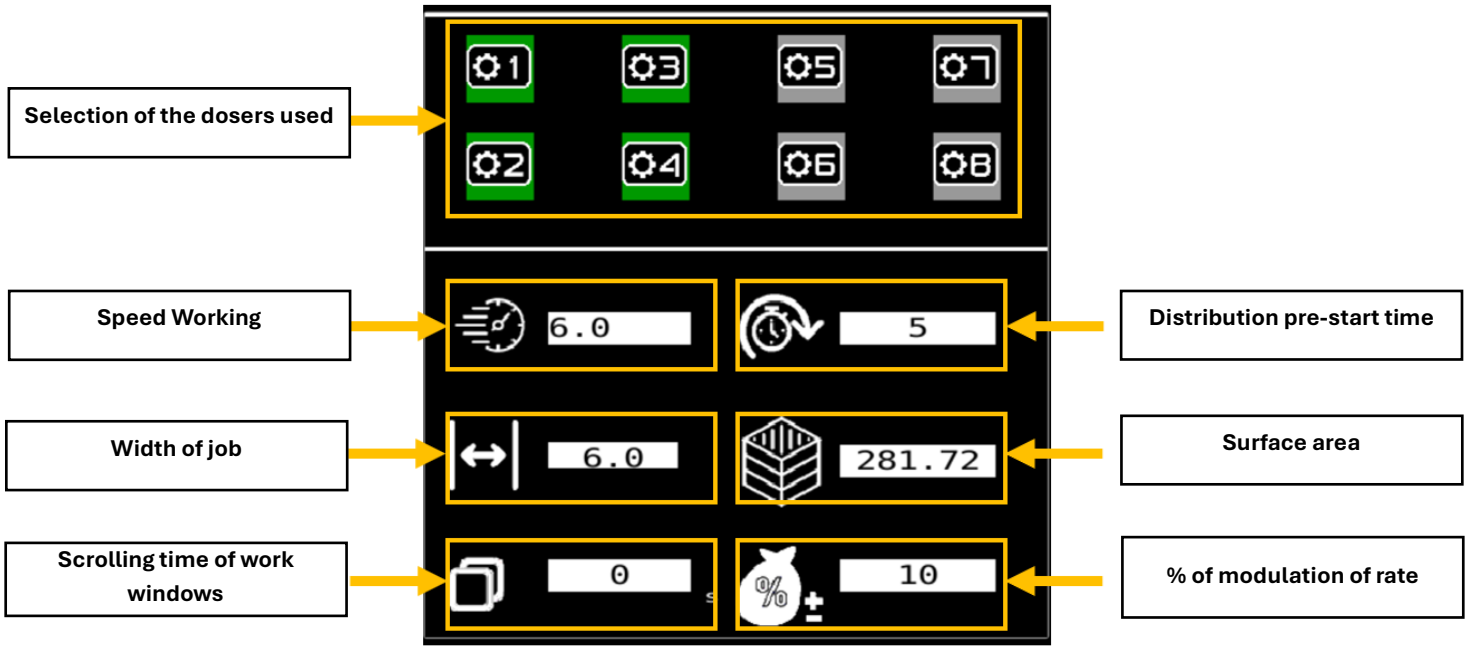
3. Settings Page



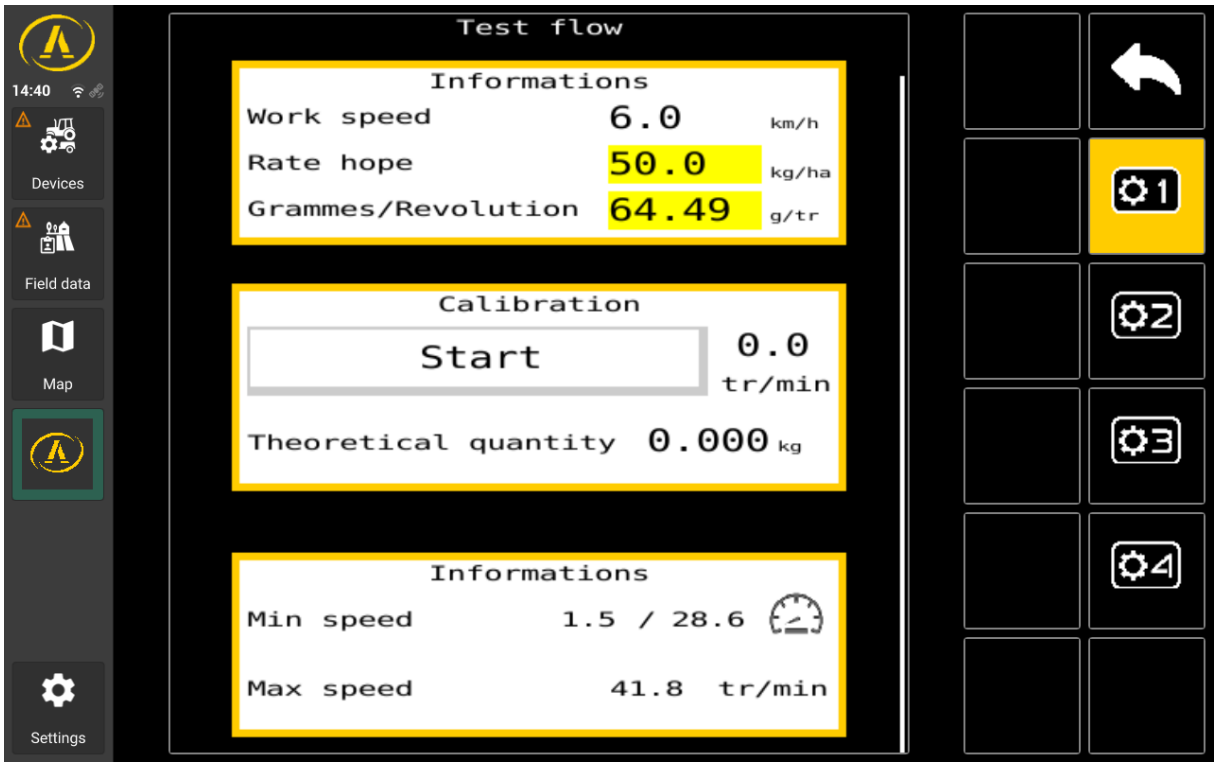
c. Soft keys



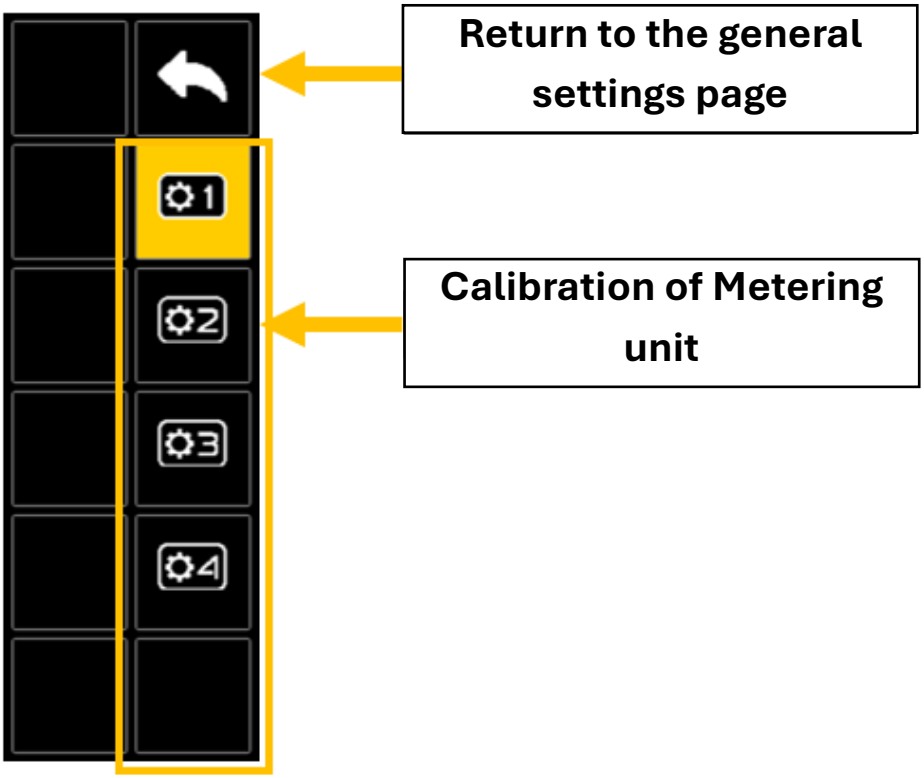
d. Parameter screen



4. Calibration page



a. Soft keys



b. Information areas

Working speed: Predefined speed in km/h. It is used in anticipation or in case of loss of GPS signal, it is also used to calculate working ranges.

Quantity deposit: Quantity / ha of product. It is also used to calculate working ranges.

Grams / Turn: Quantity of product after 1 turn of the dispenser. This is the result of the calibration.

Minimum Speed: Minimum working speed in km/h, it is calculated using calibration and calibration. It helps you choose a suitable spline.

Maximum Speed: Maximum working speed in km/h, it is calculated through calibration and calibration. It helps you choose a suitable spline.

c. Calibration area / procedure

I. Enter all information

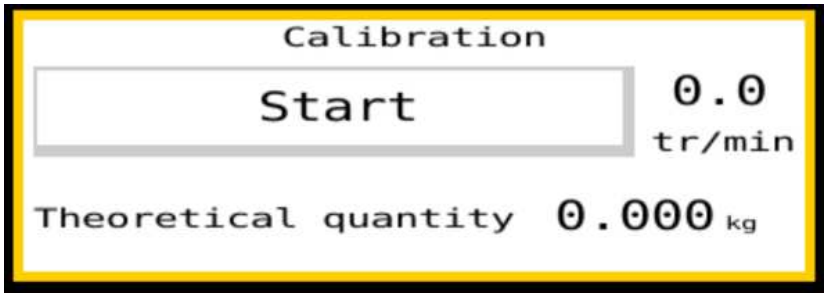
To ensure quality calibration, please enter all required information:

- Working speed
- Quantity / ha

II. Prepare your measuring cup

To be written

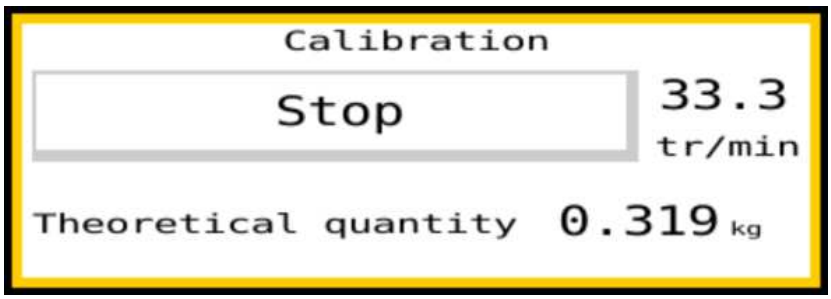
III. Start the calibration



Click START to begin the calibration. The meter speed will be displayed on the right.

The theoretical quantity is updated regularly.

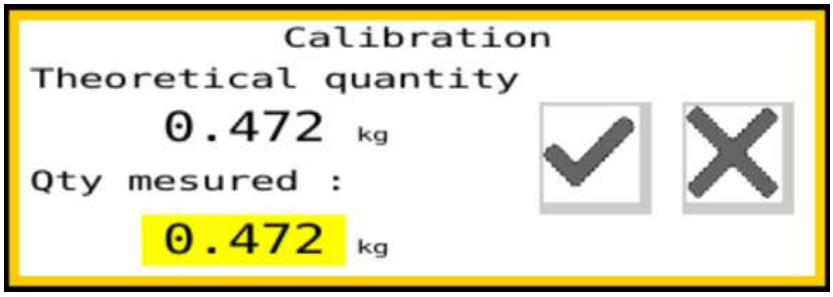
IV. Stop the engine



After obtaining a significant weight of approximately XX kg, click on STOP to stop the engine.

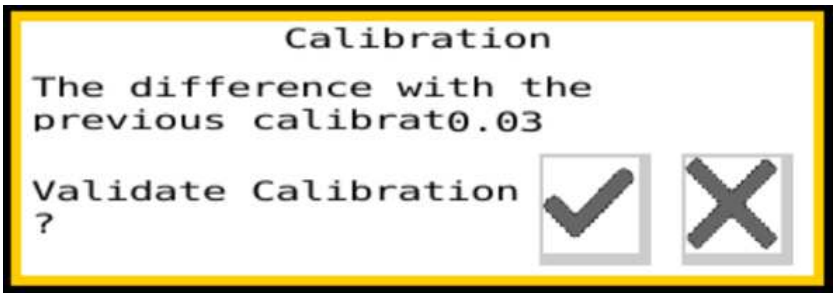
V. Weigh and enter the weight in kg

Weigh the product using the provided equipment. The first time you calibrate, the theoretical quantity may be significantly different from the actual quantity. Repeat calibrations.



Enter the measured weight, then VALIDATE. If you make a mistake, you can start again by clicking on the CROSS icon.

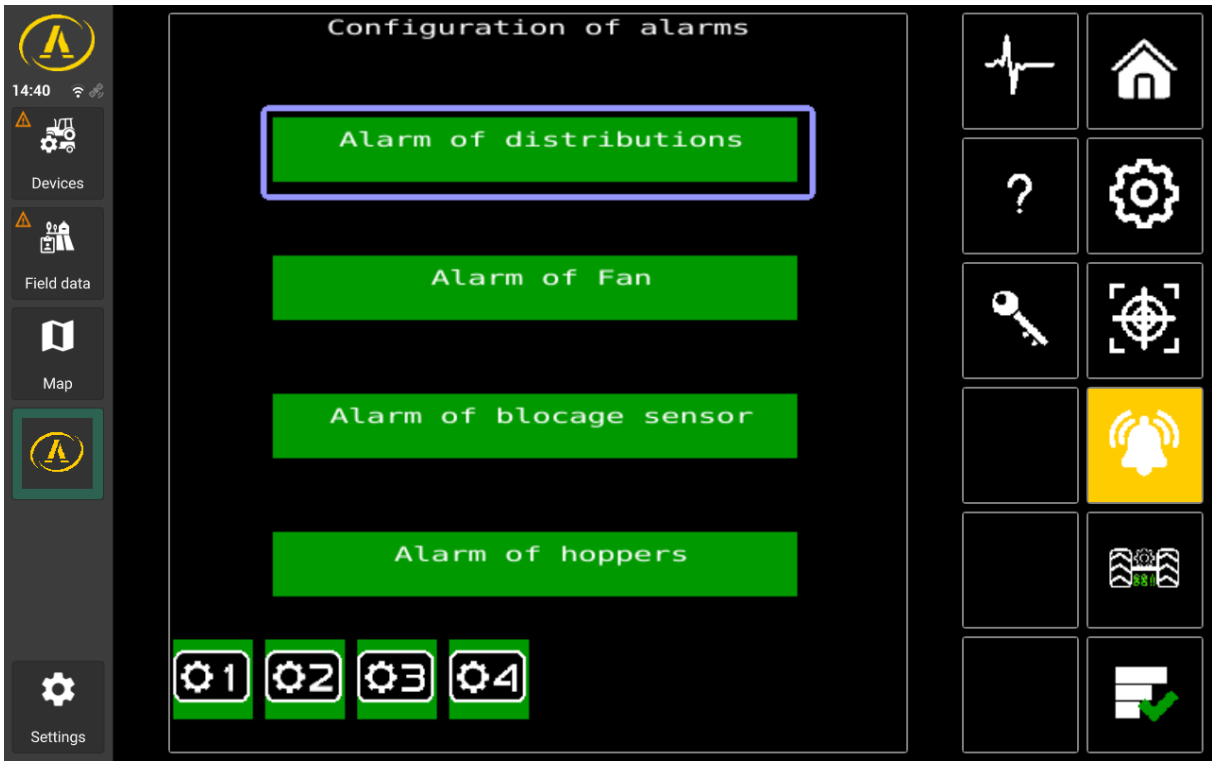
VI. Validate the calibration



The error rate is displayed, VALIDATE. If the error is greater than 5%, restart a calibration.

The grams/turn are updated, as is the work range information. Check that they are consistent with your working conditions.

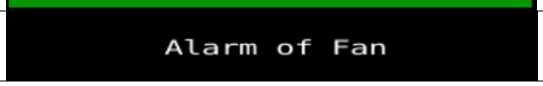
5. Alarm configuration page



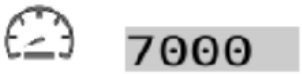
d. Distribution alarm configuration

	Alarm of distributions	Distribution alarm activated.
	Alarm of distributions	Distribution alarm disabled.

e. Turbine alarm configuration

	Turbine alarm activated.
	Turbine alarm disabled.

Setting alarm limits:

	Minimum speed.
	Maximum speed.

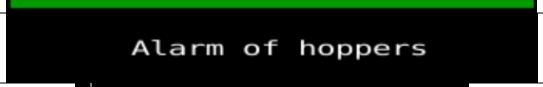
f. Seed sensor alarm configuration

	Seed sensor alarm activated.
	Seed sensor alarm disabled.

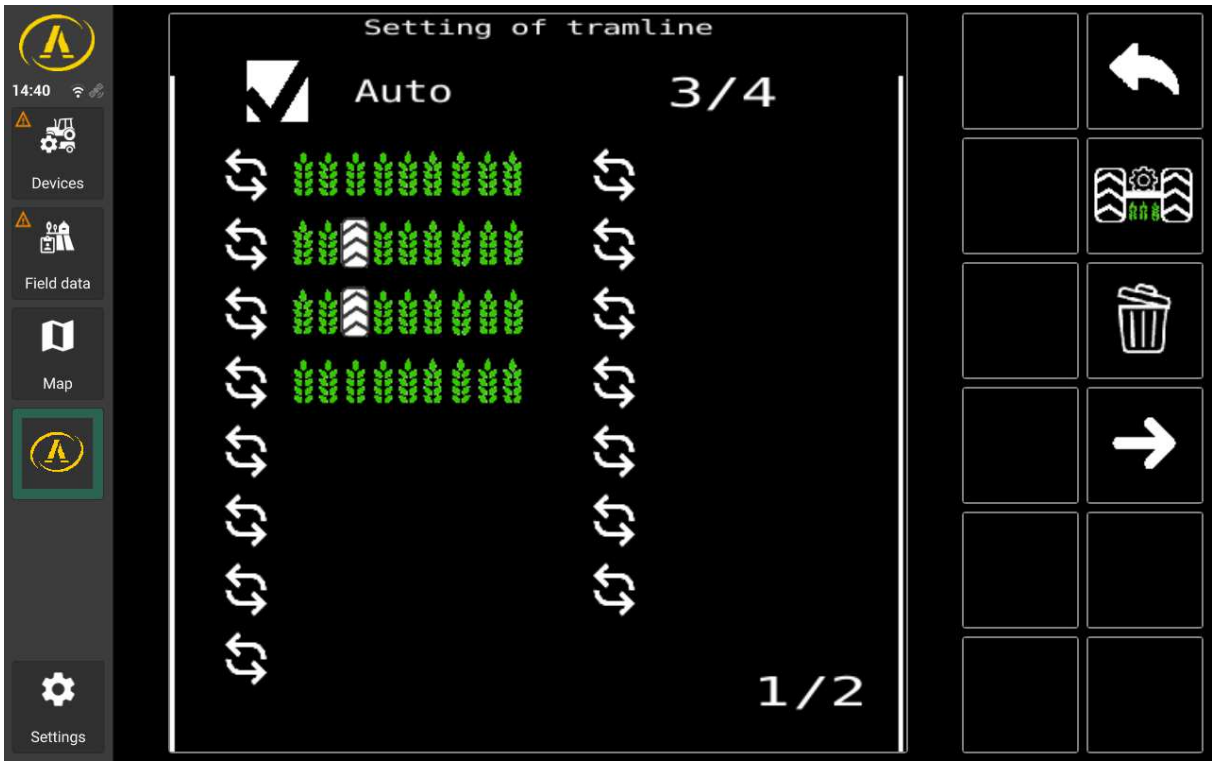
Weapon sensitivity definition:

	Sensitivity in second. Recommended value: 5 s

g. Hopper alarm configuration

	Hopper alarm activated.
	Hopper alarm disabled.
	Activation of hoppers equipped with sensors.
	Disabling hoppers without sensor.

6. Staging Sequences Configuration Page



h. Soft keys

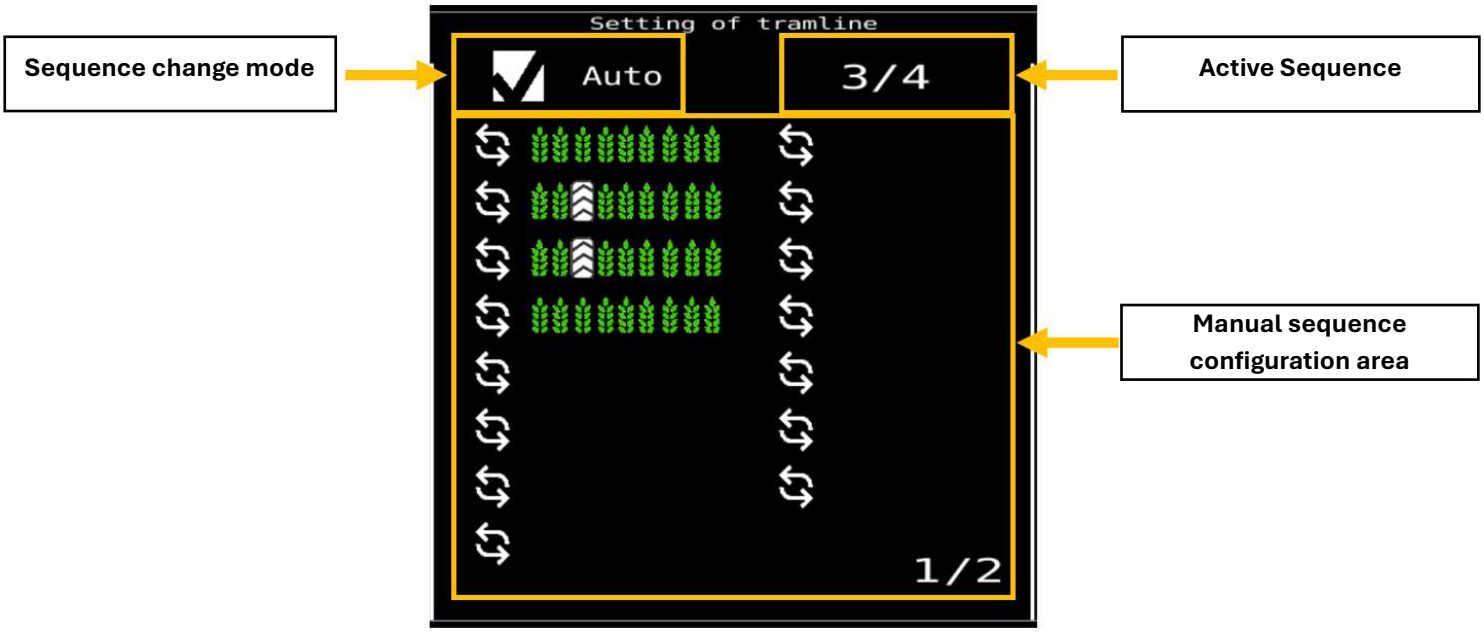
Return to the general settings page

Automatic sequence generation page

Cancel the sequence

Next page

i. Configuration screen

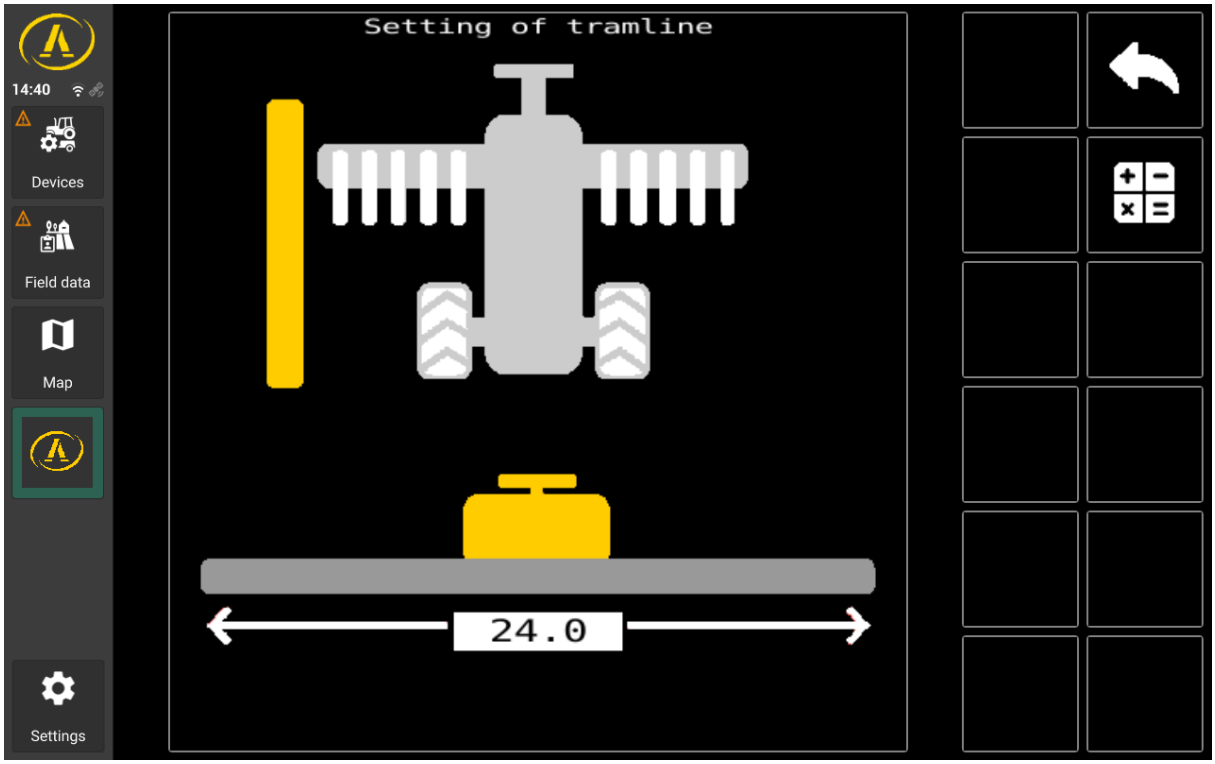


j. Configure sequences manually

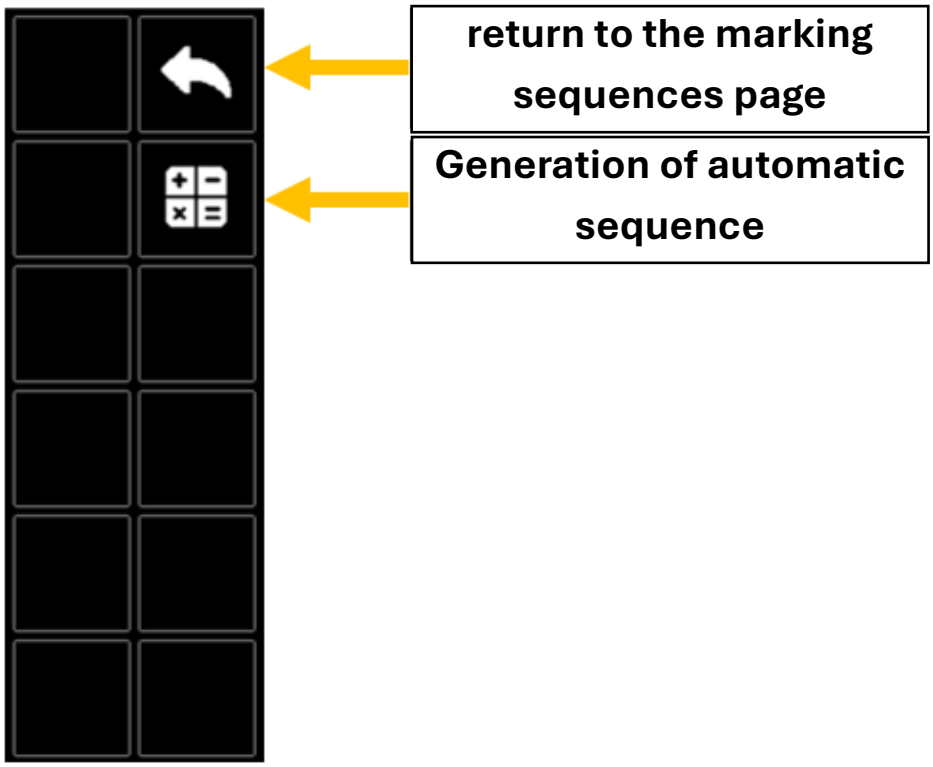
Several sequences are available, to change sequence click on the icon to the right of the position:

You will find the meaning of the sequence image in the following section:b.3)

7. Automatic Staging Sequences Configuration Page



a. Soft keys



b. Configure automatic sequences

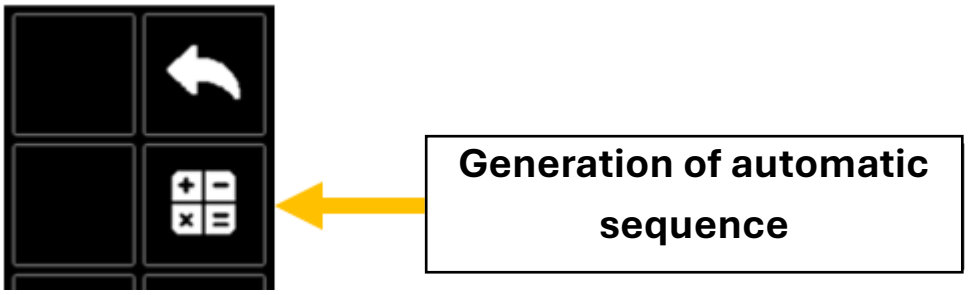
SeedXconnect is equipped with an automatic sequence calculator. The following steps will explain how it works.

Select the sowing direction for your plot:

	**Left start. Sowing from left to right.**		**Right start. Sowing from right to left.**

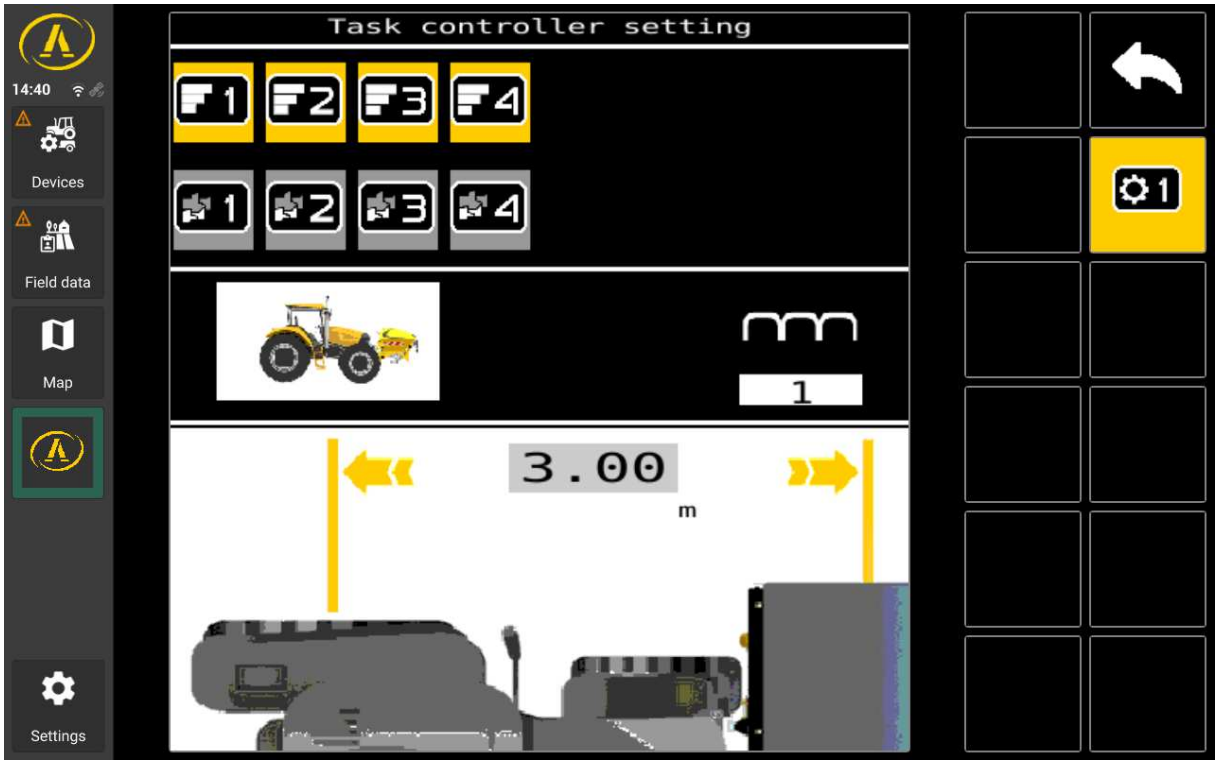
Betweenz the width of your sprayer:

Start the calculation:

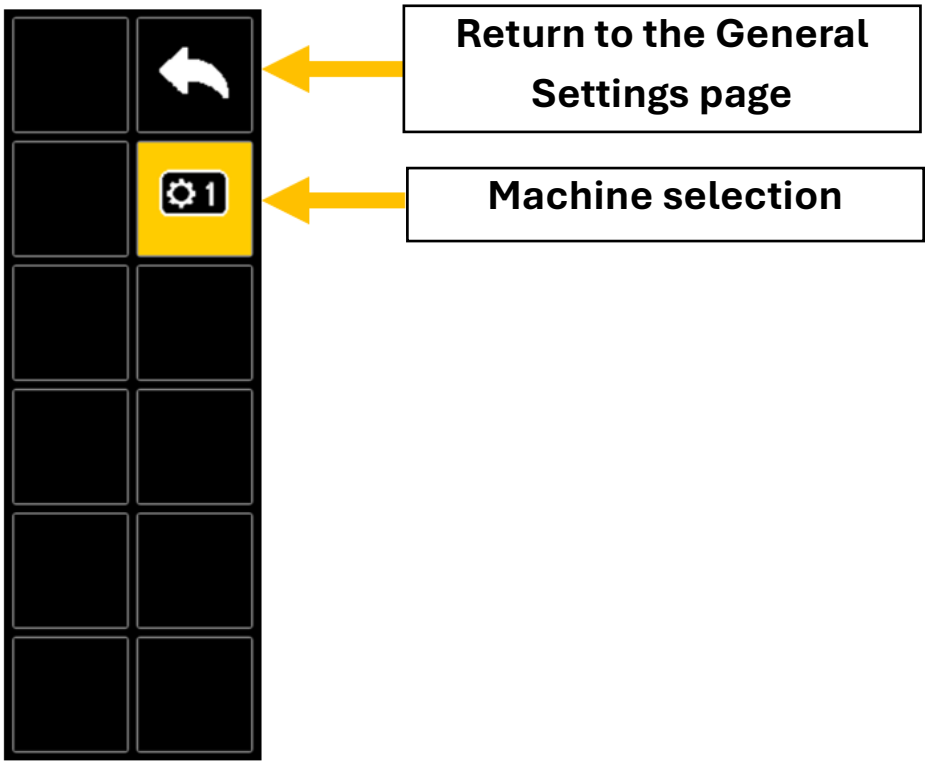


The result appears on the staging sequence viewer page. You can adjust it as you wish.

8. Task Controller Configuration Page



a. Soft keys



b. Enable/Disable section control

Make sure the terminal is compatible and unlocked section control.

	Section control disabled on metering device 1.
	Section control activated on doser 1.

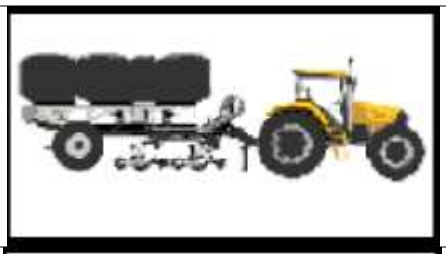
c. Enable/Disable rate control

Make sure the terminal is compatible and unlocked for dose modulation.

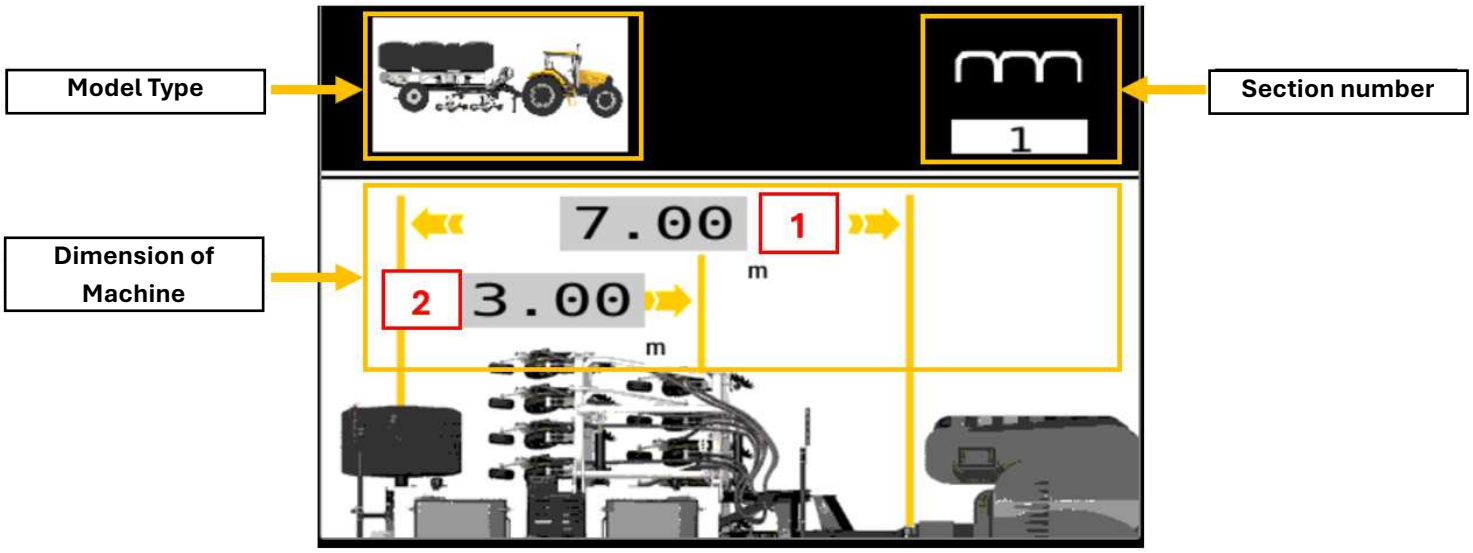
	Rate control disabled on meter 1.
	Rate control activated on meter 1.

d. Configure the tool architecture

It is necessary to configure the tool architecture precisely; otherwise, accuracy will be reduced. Check the architecture report on the terminal task controller as well as the tractor architecture.

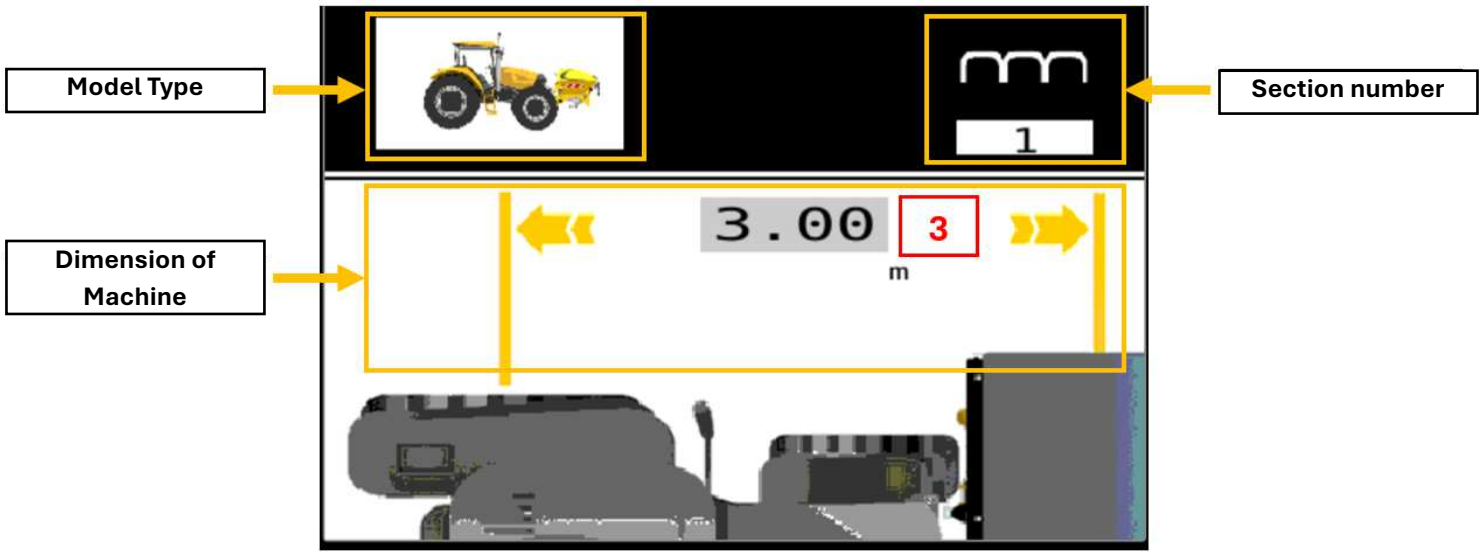
	Drag tool selected.
	Selected front mounted tool.

1) Train



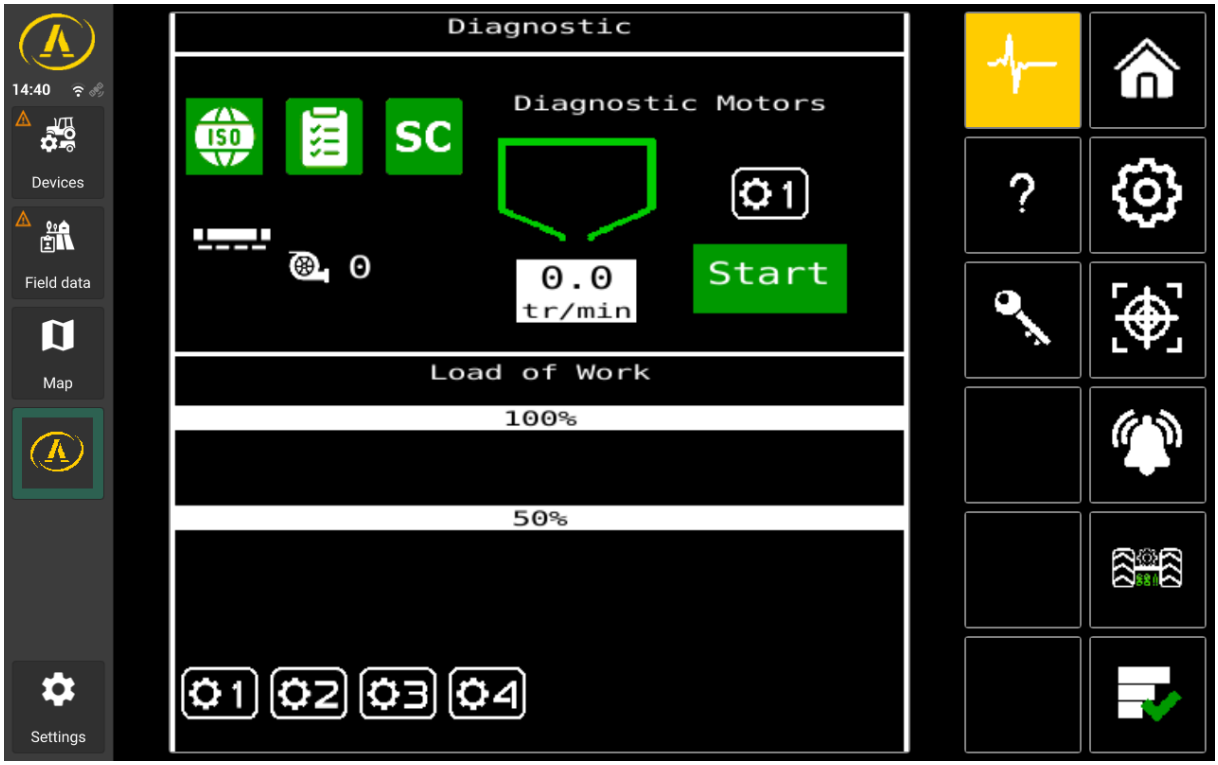
1	Length between the hitch point and the implement pivot point.
2	Length between the pivot point and the seeding point of the tool.

2) Front-mounted



3	Length between the tractor pivot point and the front sowing point.

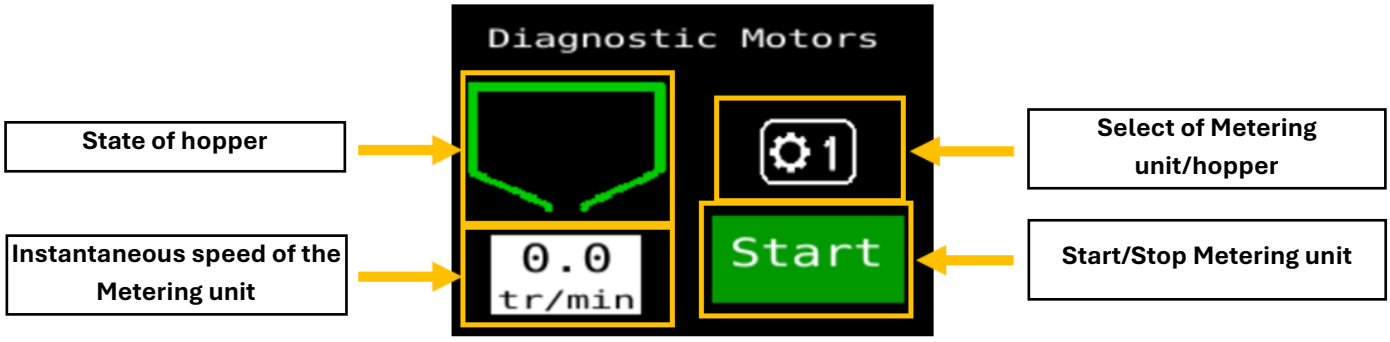
9. Diagnostics Page



a. Task controller zone

ISO	Task controller client (Tool) not connected to task controller server (Tractor/terminal)	ISO	Task controller client (Tool) connected to task controller server (Tractor/terminal)
	Task not started on task controller server (Tractor/Terminal)		Task started on the task controller server (Tractor/terminal)
SC	Section control disabled on task controller server (Tractor/terminal)	SC	Section control enabled on the task controller server (Tractor/terminal)

b. Engine/hopper area

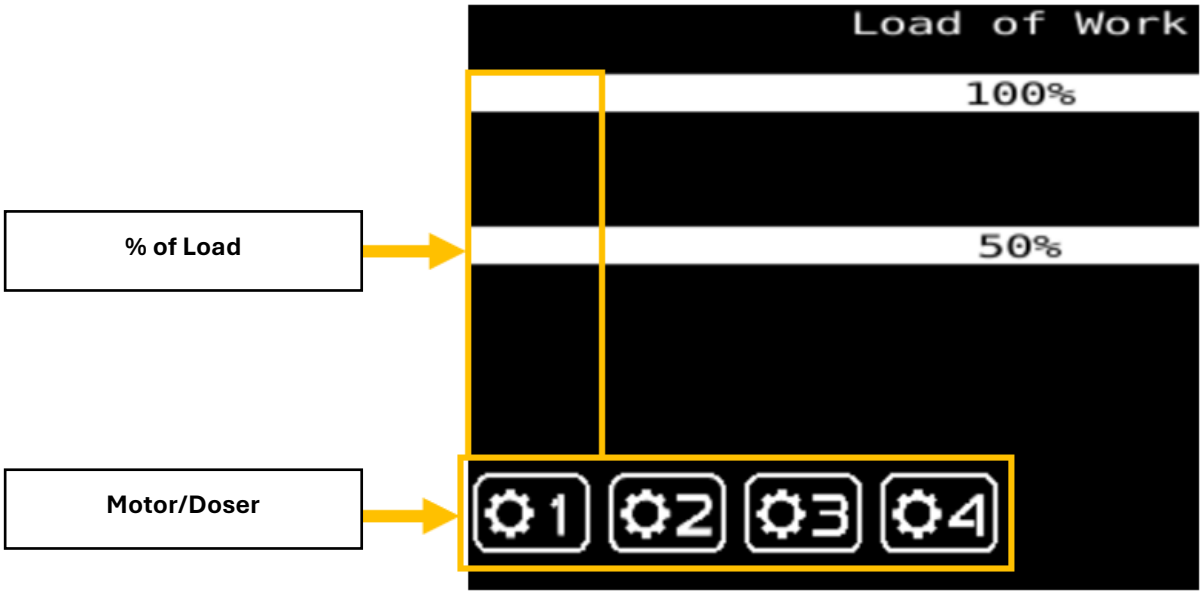


Hopper color information refer to:b.2)

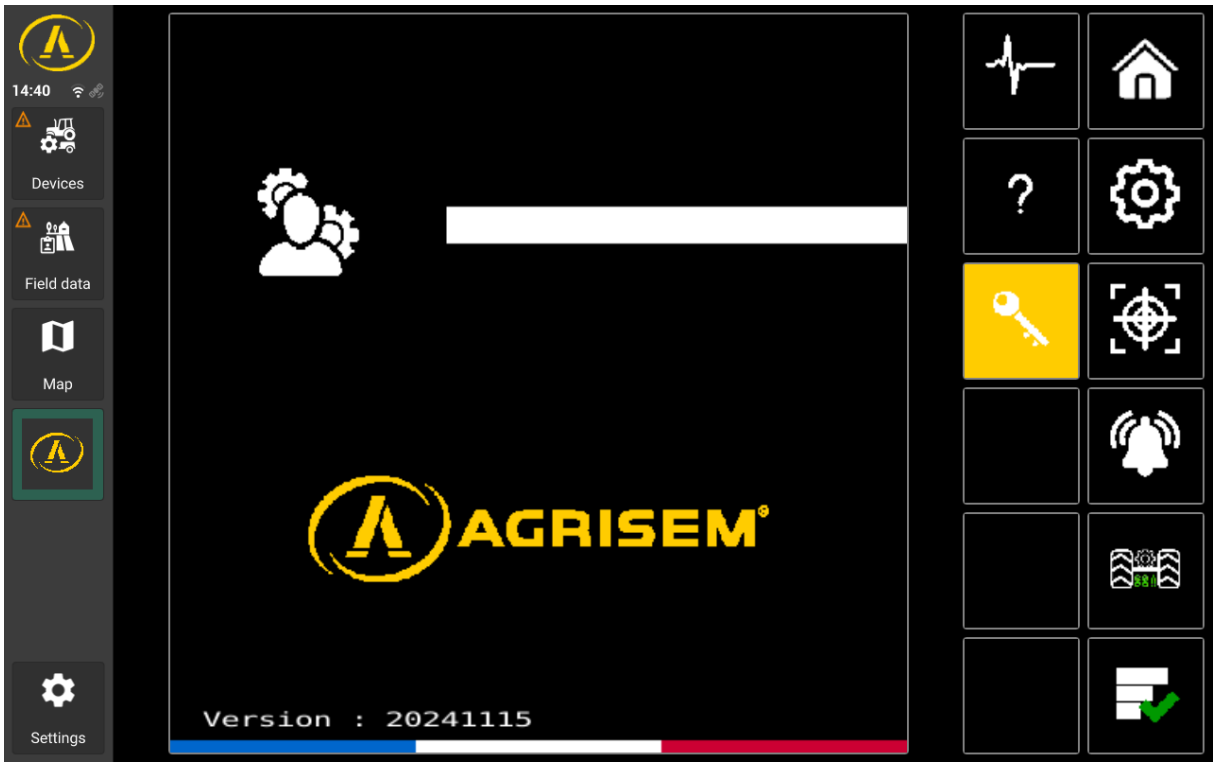
Meaning of the button to launch the engine/doser diagnosis:

Start	Start engine diagnostics Check: - Empty the hopper or raise the hatch. - Do not work near the motor/doser.
Stop	Stop engine diagnostics.

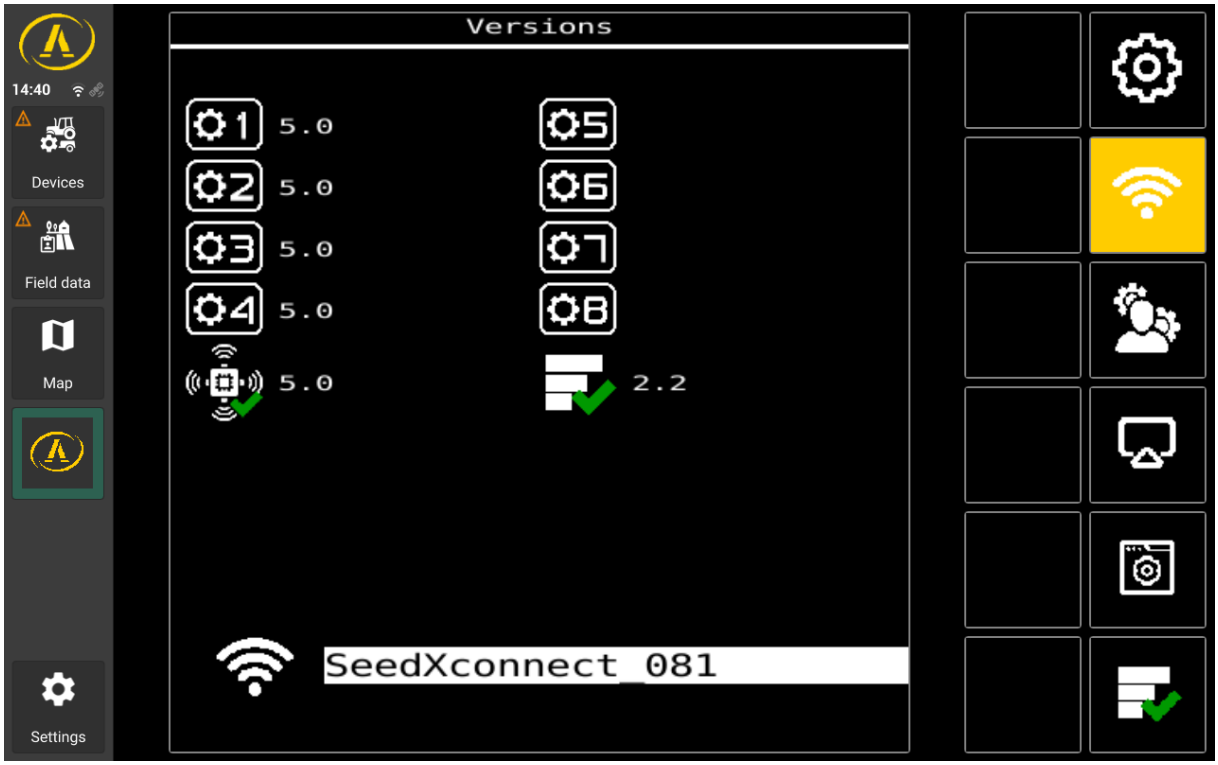
c. Workload zone



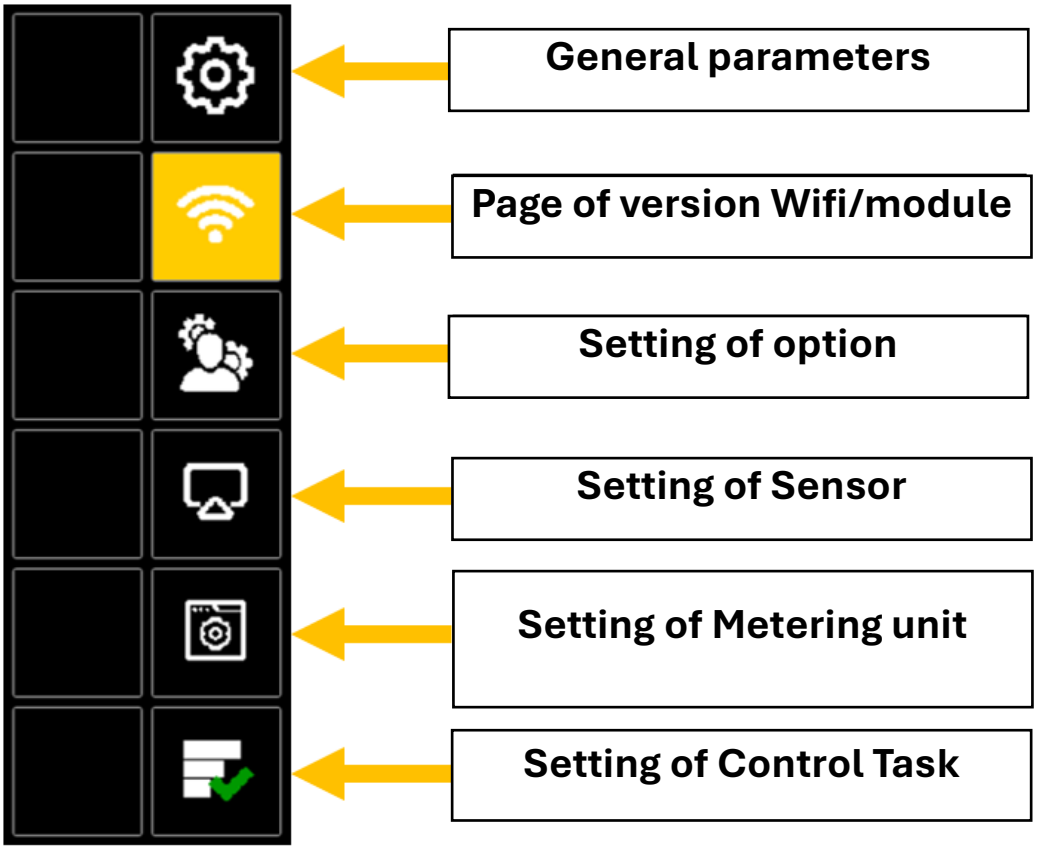
10. Factory entry page / application version



11. Factory page: module versions



a. Soft keys



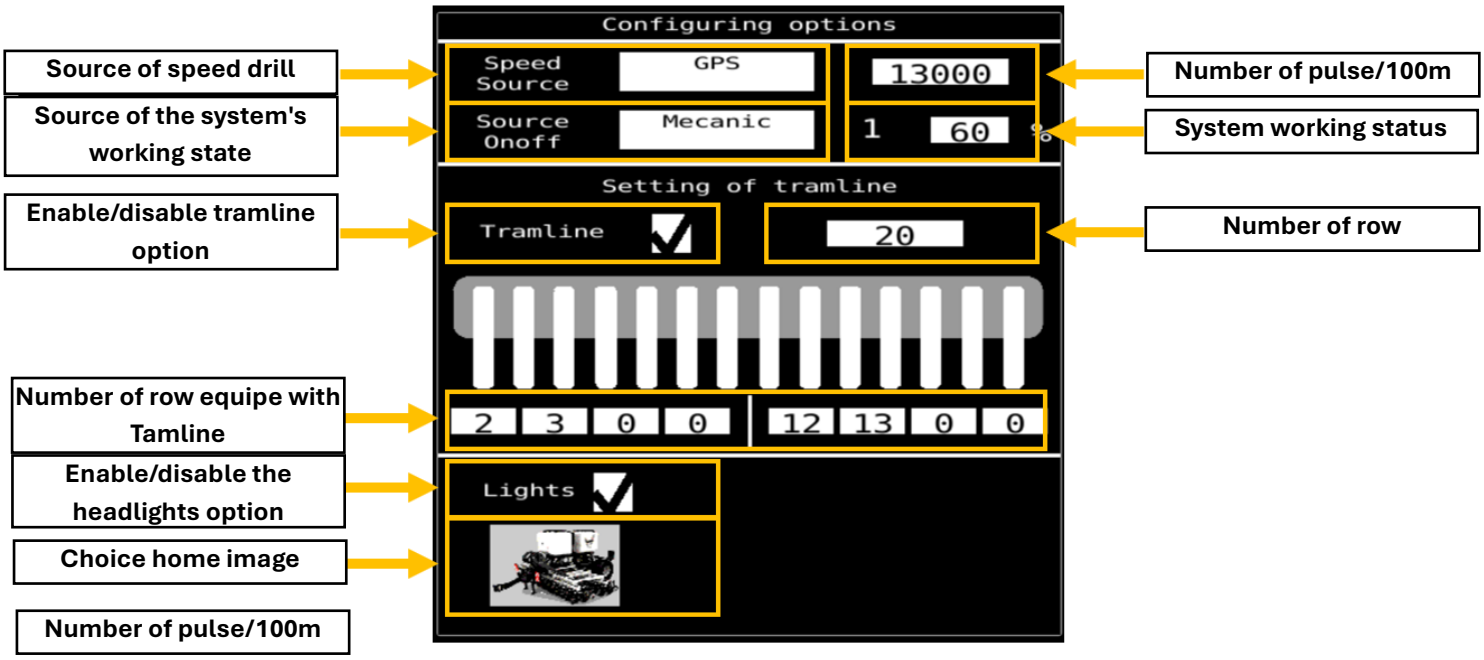
b. Module versions

	Version of the dosing modules.
	Master module version.
	Version of the task controller client module.

c. Login to the tool

To connect the ISOBUS module to the implement, enter the machine's Wi-Fi network name. It usually starts with XseedDose or SeedXconnect.

12. Factory Page: Option Settings



a. Speed and working status source area

i. Sources of speed

Simulation	Use the speed programmed in the settings page
Radar/Pulse	Uses the pulse input of the SeedXconnect suitcase sensor board
GPS	Uses the tool's GPS antenna speed
ISO GNSS	Uses tractor ISO GPS antenna speed (Check compatibility)
ISO Ground	Uses tractor ISO radar speed (Check compatibility)
ISO Wheels	Uses tractor ISO pulse sensor speed (Check compatibility)

ii. System State Sources

Mecanic	Uses the SeedXconnect suitcase sensors
ISOBUS	Uses ISOBUS “Workstate” system (Check compatibility)
Rear linkage	Uses ISOBUS rear linkage position (Check compatibility)
Front linkage	Uses ISOBUS front linkage position (Check compatibility)

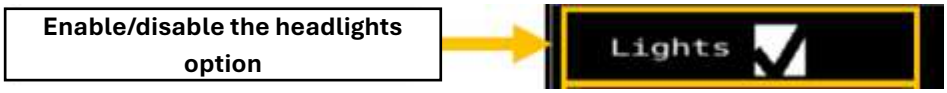
b. Marking option area

Make sure you enter the correct number of rows. This allows you to recalculate the application rates based on the current sequence.

Also be carefulto fill in the row numbers to use on the left and right. This temporarily disables the alarms on the selected rows. Fill in 0 in the unused boxes.

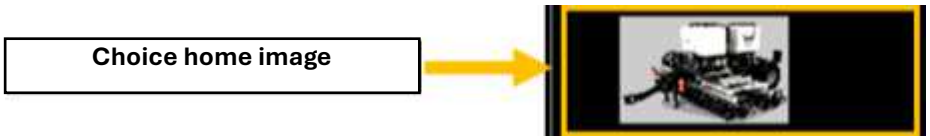
c. Light option

Make sure that the SeedXconnect case is equipped with the “Light” boxes.

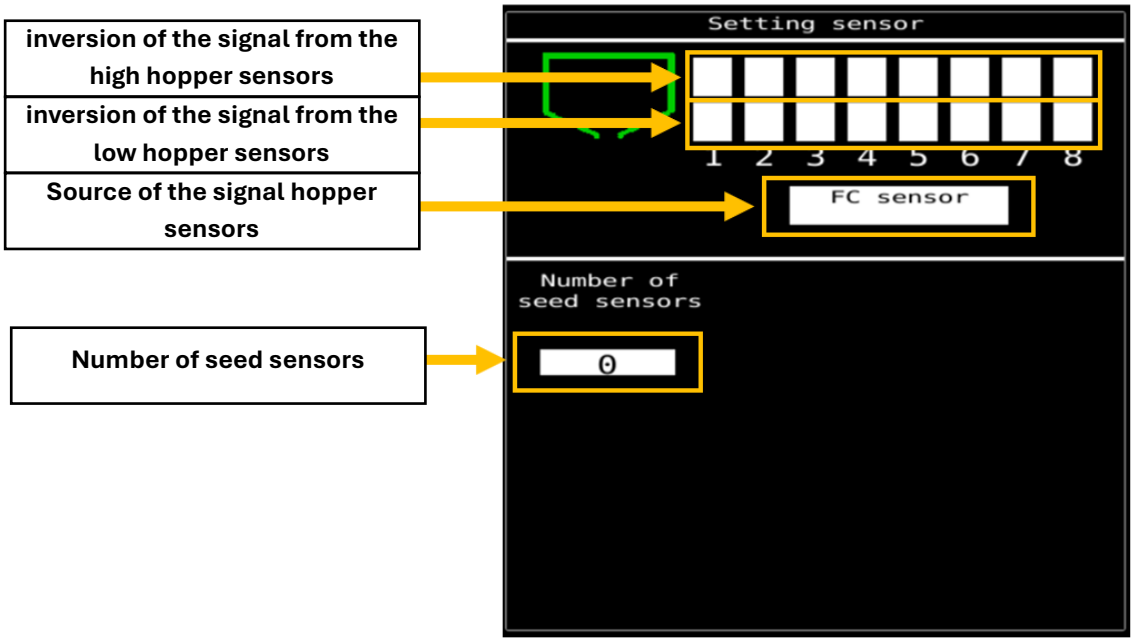


d. Home image

This setting allows you to choose the home image to customize and adapt the UI to the equipped machine. This setting has no impact on other settings.

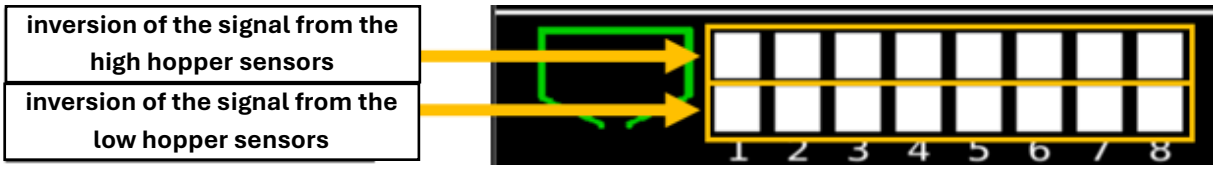


13. Factory page: Sensor settings



a. Inversion of hopper sensor signals

Check the corresponding box to invert the hopper sensor signal. This will match the alarm to the actual hopper condition. In the event of a sensor failure, you can temporarily invert the signal to correct the problem.



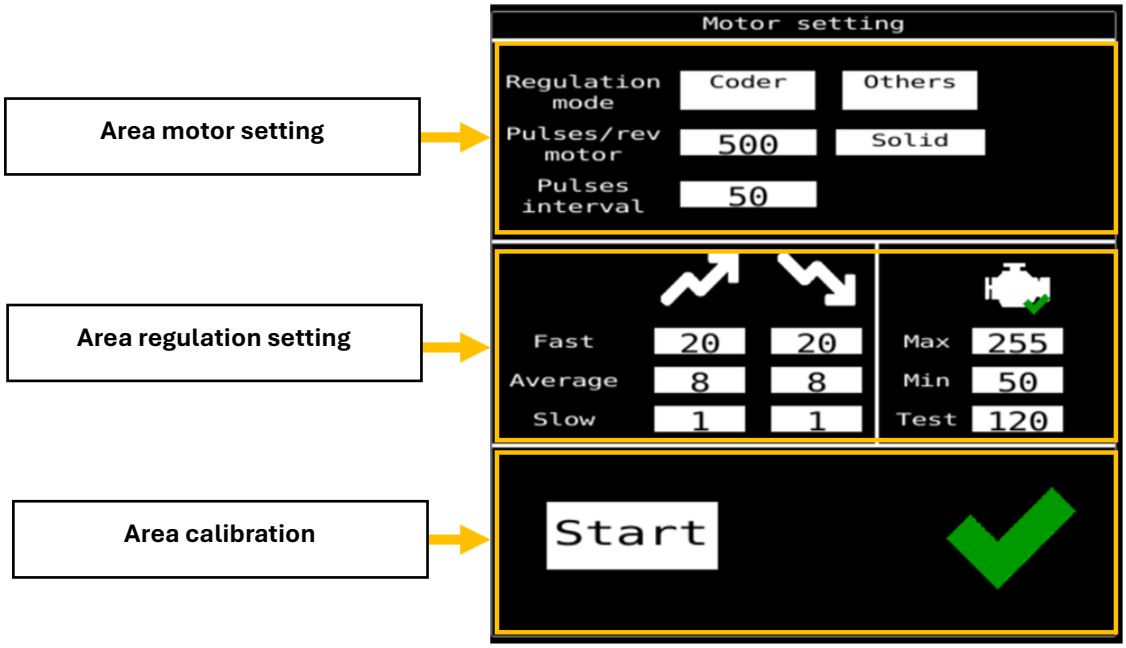
b. Hopper Sensor Signal Sources

Two sources are possible:

FC sensor	From the SeedXconnect sensor card
FC metering	From SeedXconnect metering cards

Generally any SeedXconnect suitcase with a number of dispensers less than or equal to 4 has the hopper sensors on the SeedXconnect sensor board.

14. Factory page: Engine settings



a. Engine settings area

i. Regulation mode

Coder	To be selected if a rotary encoder or a flow meter**e is used for regulation**
Valves	To be selected if it is an “Arag” type control valve

ii. Pulses/turn

The number of pulses per revolution depends on the installed encoder; it is generally indicated on the motor or the additional encoder. IT IS ESSENTIAL THAT IT IS CORRECTLY INFORMED.

iii. Pulse interval

This parameter allows you to adjust the pulse interval between each motor speed calculation. It is typically 10x less than the number of pulses per revolution.

b. Regulation settings area

These settings correspond to the acceleration and deceleration of the engine depending on the deviation from the regulation.

Fast= Big difference between setpoint and actual.

AVERAGE= Average difference between setpoint and actual.

Little= Small difference between setpoint and actual.

These settings correspond to the engine's operating ranges. This helps prevent the engine from stalling at low speeds.

Unit: Coefficient.

Max = Maximum speed.

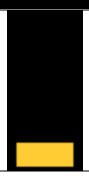
Min = Minimum speed

Test = Value during an engine test.

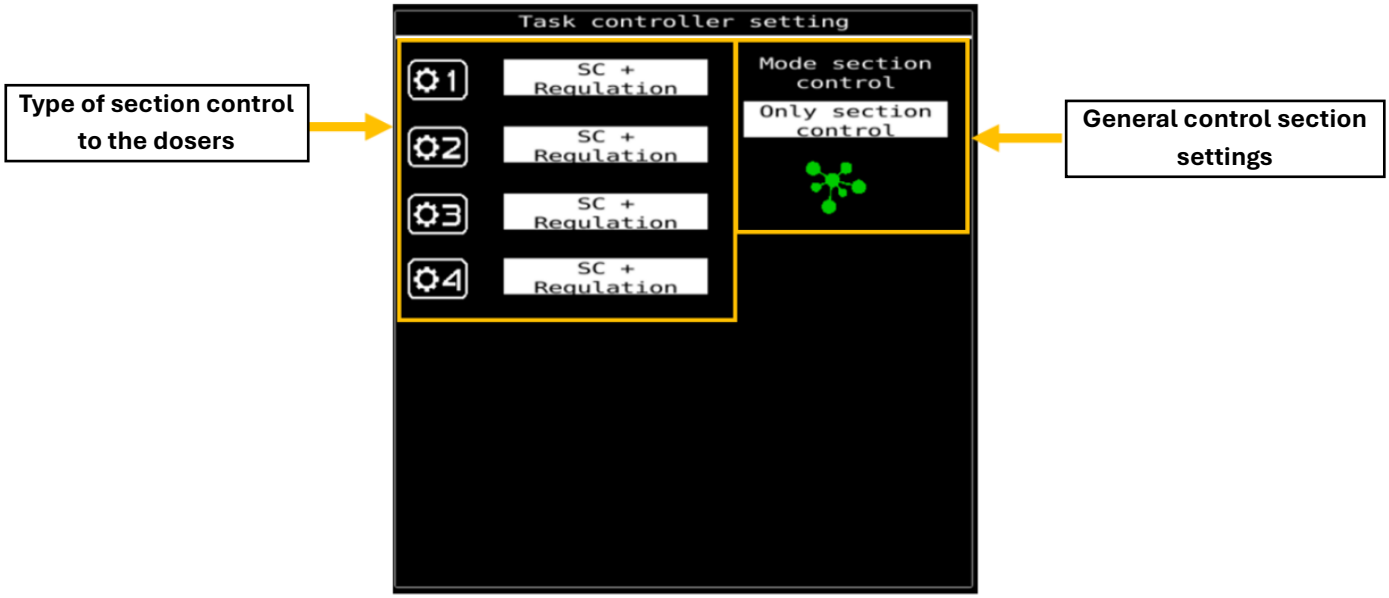
c. Calibration settings area

Calibration is essential to understand the engine's operating ranges. It must be performed to ensure correct calculations during calibration.

		Start calibration.
		Stop calibration.

		Calibration not performed**e or incomplete.**
		Calibration in progress. Wait for the procedure to complete.
		Calibration Valid.
		Calibration progress.

15. Factory page: Task controller



a. General control section settings

Simple control section	Simple control section, no special adjustments in calibration or operation.
Right / Left	System with selection valve. In calibration mode, the flap is placed on the right in order to direct the calibration to the left

b. Control section settings for the dosers

SC + regulation	Section control with dose modification depending on the number of sections closed. To use: - **In solid without return to hopper.** - **In cash without compensated return**
SC only	Regulation is not impacted by the control section. The control section is used by an ancillary system. To use: - **In liquid with a return compensated like "Arag" valves**

	Advanced task controller mode**disabled allows you to:** - **Maximize compatibility with Task Controller Servers**
	Advanced task controller mode enabled allows you to: - **Use multi-modulation** - **Save the dosing data to the Task Controller Server**