TRAINING COMPUTER ISOBUS

A-TOUCH 1200

A-Touch 800

mhx: 02.07.06.00
iop: 1.60 ECUs 2

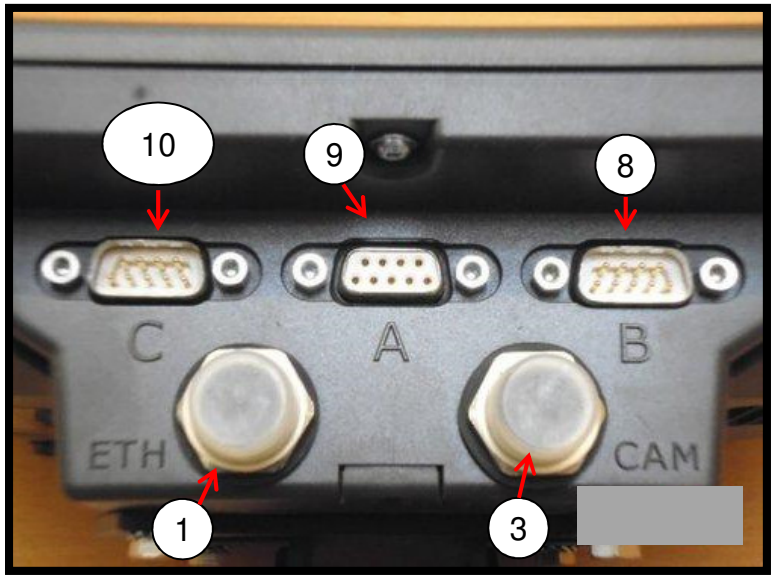
BIG BOSS
BOSS/SC

Midi Version 3 / 02.07.06.00
(January 2022)

AGRISEM®

2- A touch compture feature

1. Switch on/off button
2. Locking button or sreenshot for USB
3. Function button



1	**GSM antenna connection** Only in the case of device fitted out with a GSM modem.	6	**Protecting cap for USB port** It protects the USB port from the dust
2	Is not used for the moment	7	**SIM card spot**
3	**Analog camera connection** Only for the case of device fitted out with a GSM modem. Art – Nr. 30322527	8	**Connecting B** CAN-Bus connecting Refer to : Broaching connecting B (→79)
4	**Analog camera connection** Only in case of device fitted out with a GSM modem.	9	**Connecting A** Connecting CAN-Bus For the ISOBUS base's device connecting
5	**USB port** USB 1.1	10	**Connecting C** Serial port RS232 for : - GPS receiver - Tilt compensator « GPS Tilt module » - Guide bar

Option

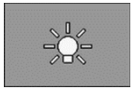
3 – Icones => DESIGNATION

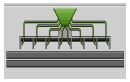
Drawing for user :

Homepage :

 Informations of area

 Parameter of tramline

 light

 On/off ramp

 Pre start(s)

 Work position

 Hopper Level down or empty

 Parameter

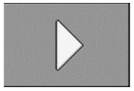
 On/OFF 'application

 Manual modulation seeder

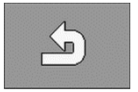
In others pages :

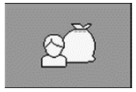
 Next page

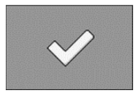
 Calibration acces

 Starting calibration

 Record calibration

 Back

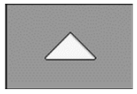
 Products

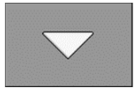
 Confirmation

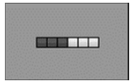
 Diagnostic

 product

 Parameter seeder

 To the top

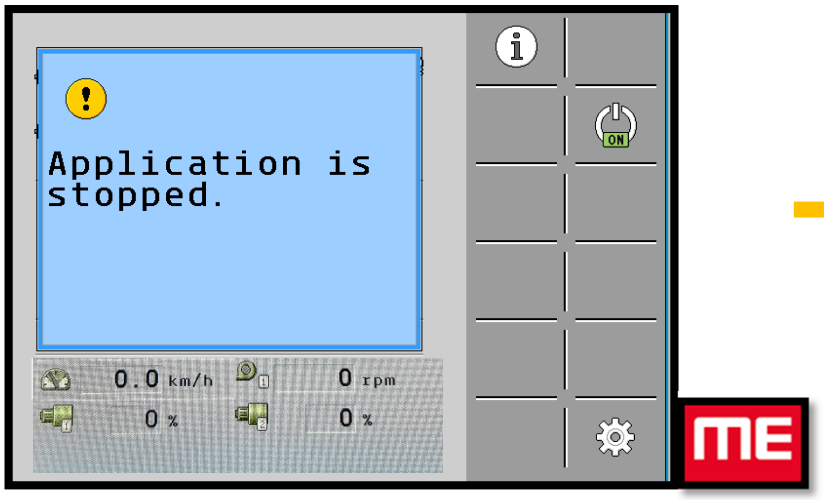
 To the back

 Width

 Speed Parameter

4 – CUT OUT + WORKING WIDTH

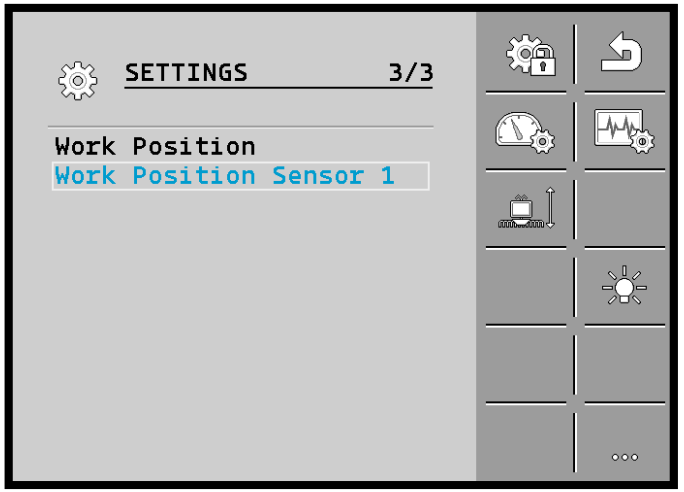
1 – On homepage , press button



2 – Page 1/3 – Press again button :

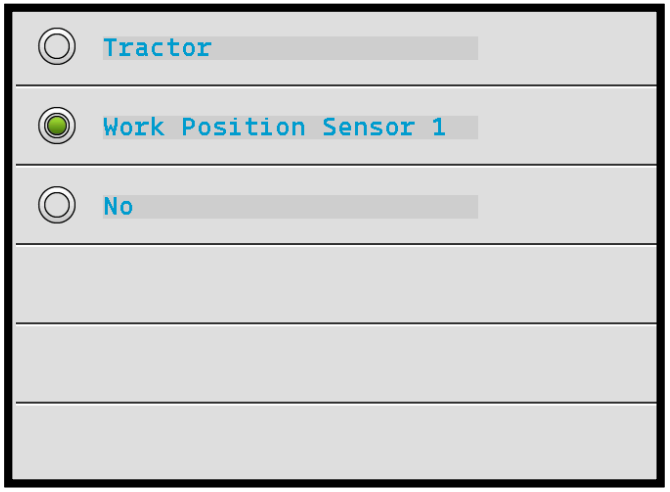
3 – Page 2/3 Press button

4 – Page 3/3 Press button

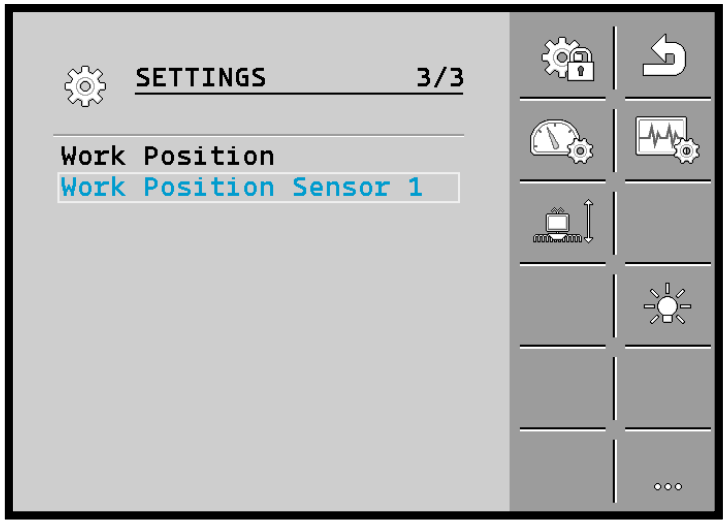


4 – CUT OUT + WORKING WIDTH

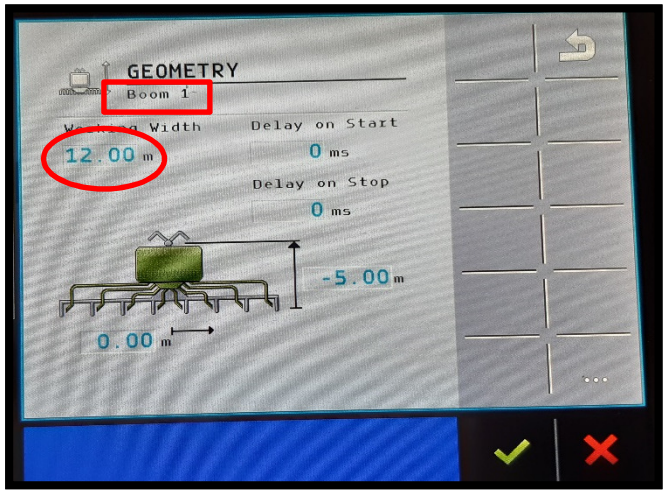
5 – Select this fonction if the machine have a **cut out system**



6 – Back on the page 3/3, and Press again :

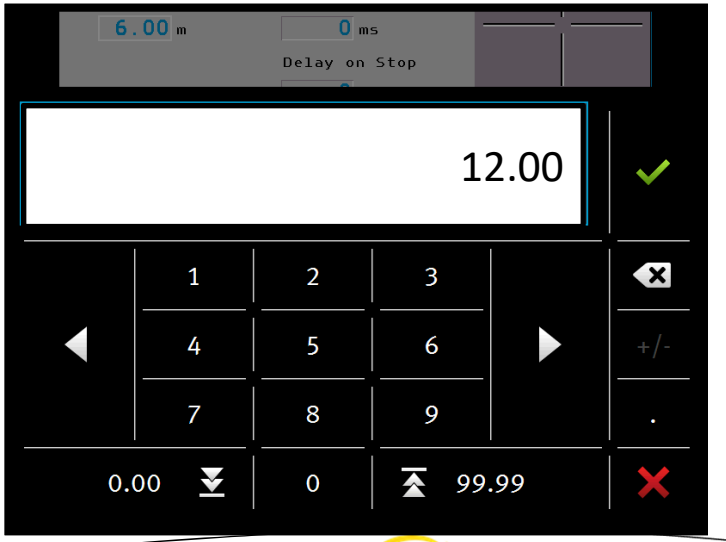


7 – Modification of the boom 1.
Select the **working width**



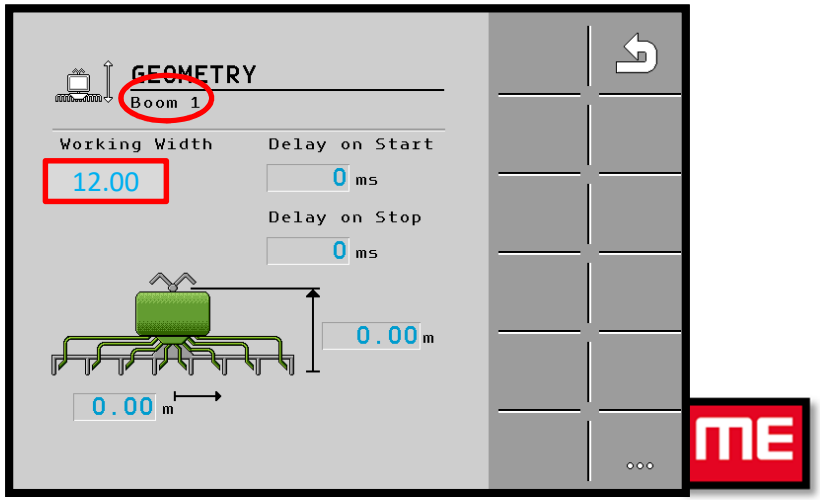
« Check the number of the boom. »

8 - to define the working width



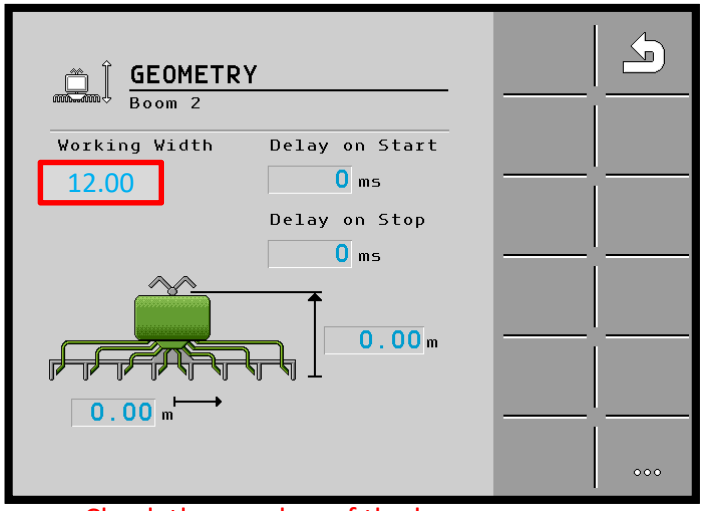
4 – CUT OUT + WORKING WIDTH

9 – Modification of the boom 2. Press the botton



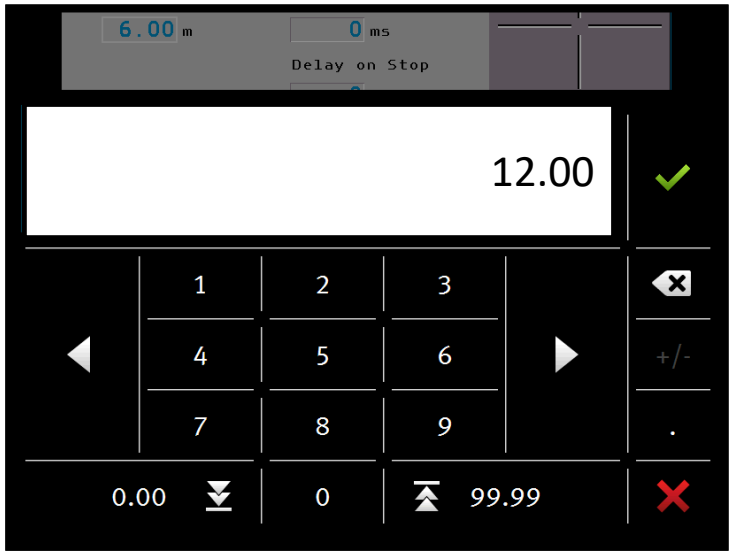
Always check the working width when you coupling an other machine.
Do the same process for the other BOOM (until 4 BOOM)

10 – Modification of the boom 2. Select the **working width.**



« Check the number of the boom »

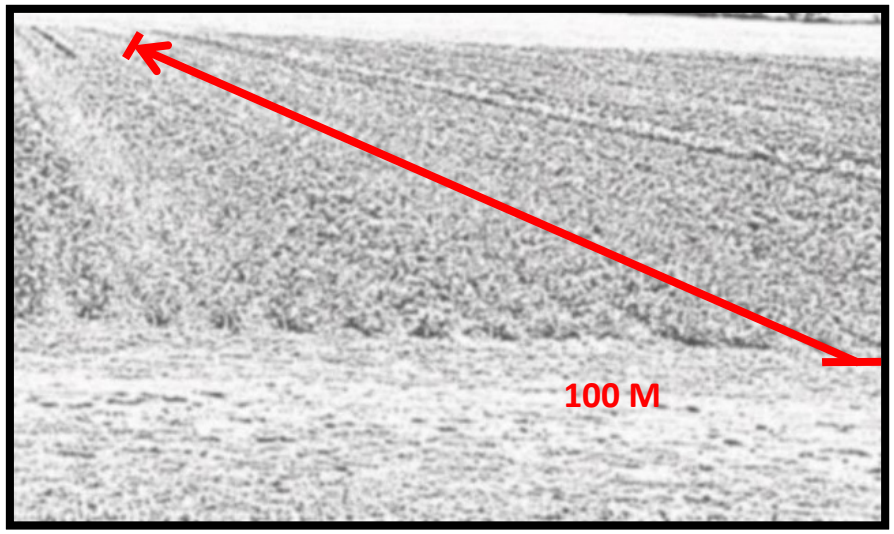
11 – To define the working width.



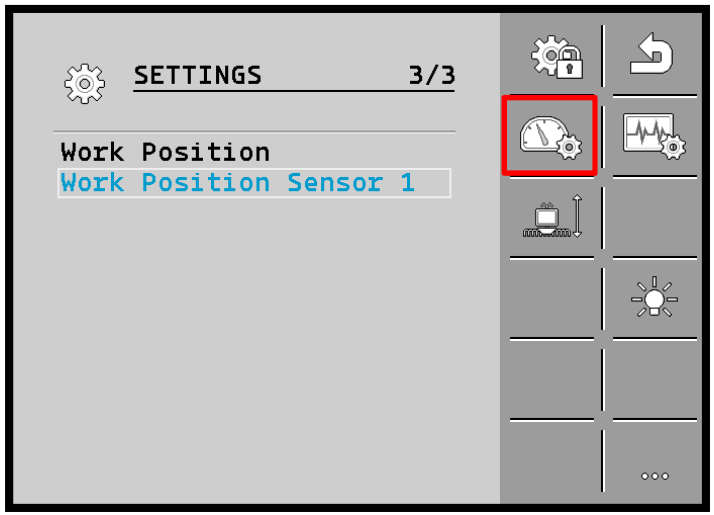
5 – User setup

Calibration of the radar

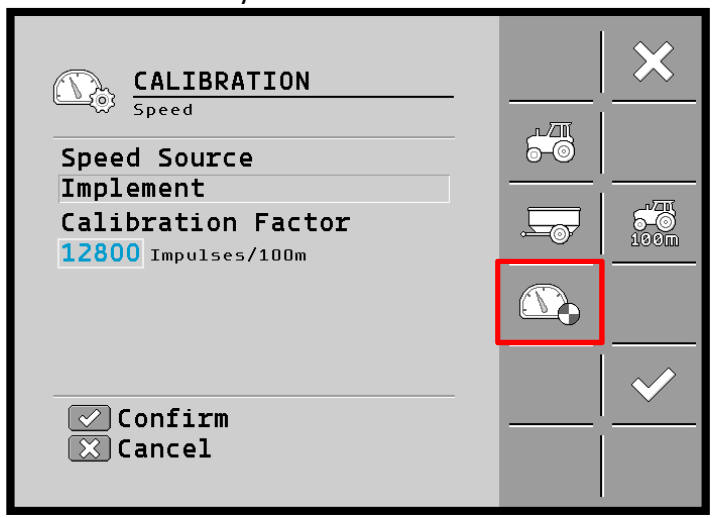
1 - To calibrate the radar, you need to trace 100 m precisely in the field.
2 – Put the machine in working position



3 – Press button

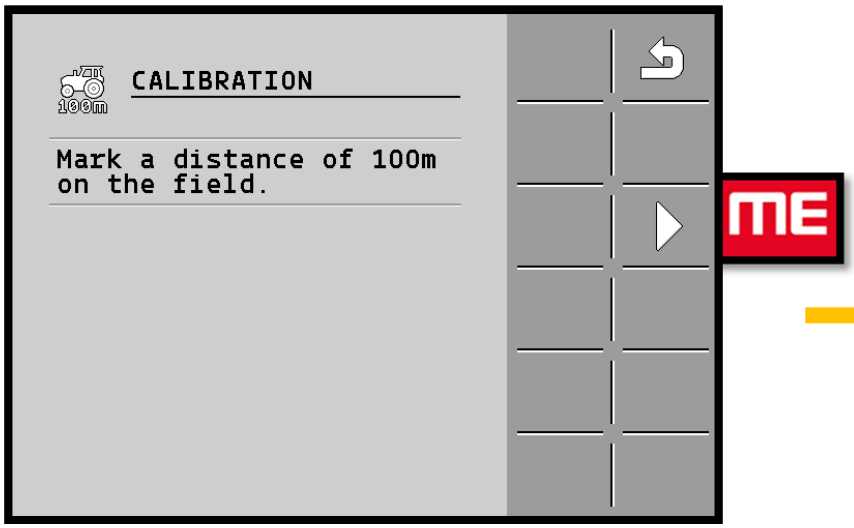


4 – To choise the speed. Press the button to slect the radar or DGPS system.

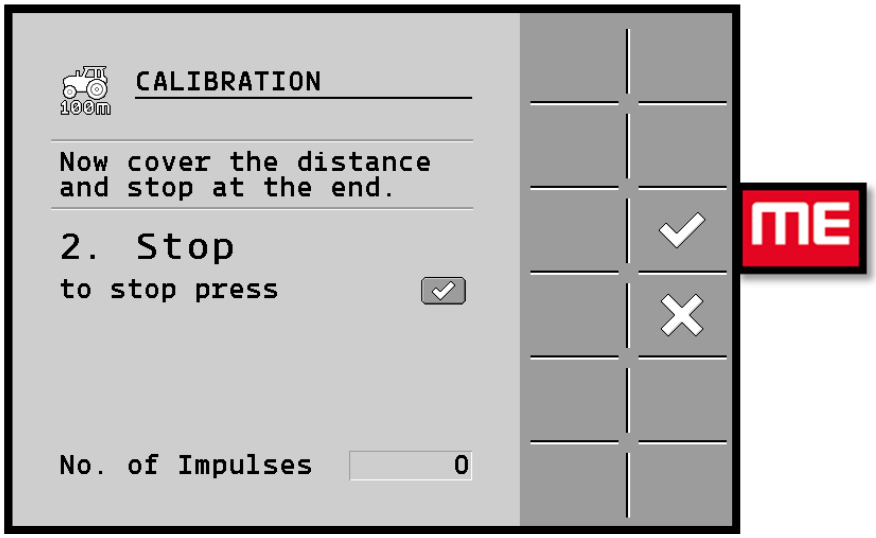


5 – User setup

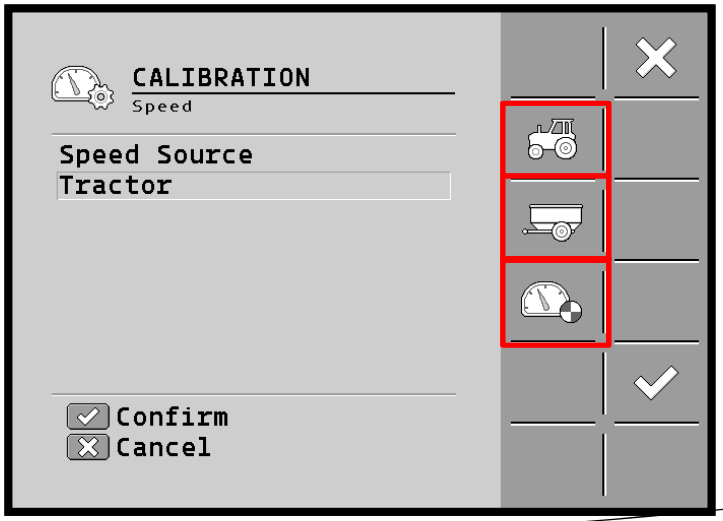
5 – Press the button



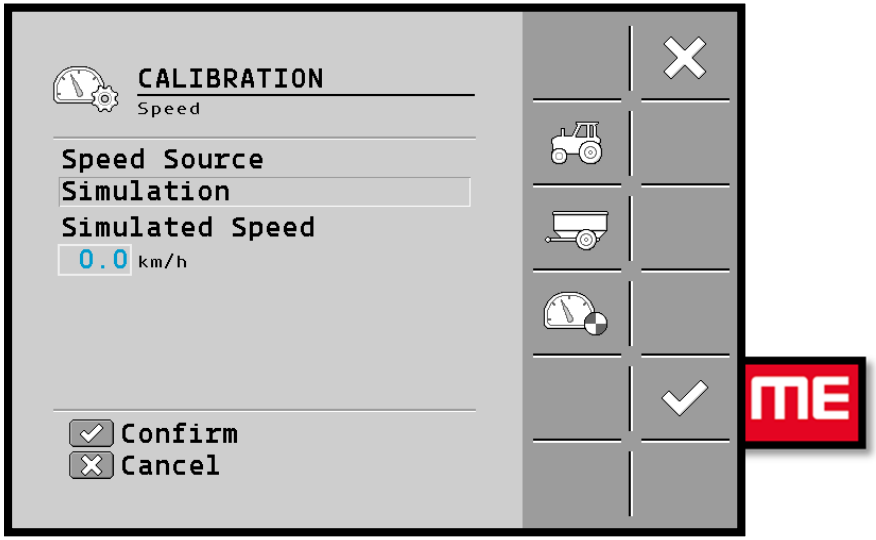
6 – Start the calibration of the speed sensor.



7 – Choose the speed
- Button 1, tractor
- Button 2, Radar or DGPS
- Button 3, simulation

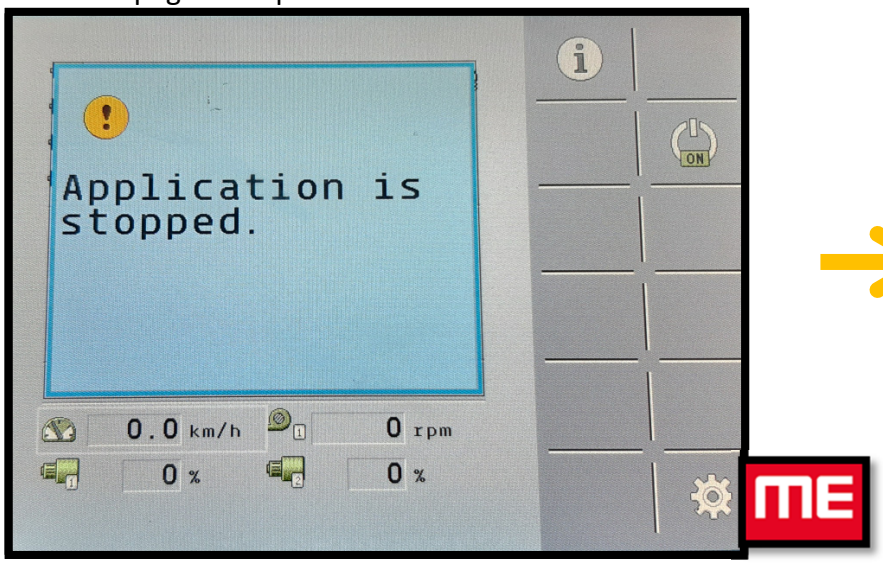


8 – To valid the system press the button



6- Product DataBase

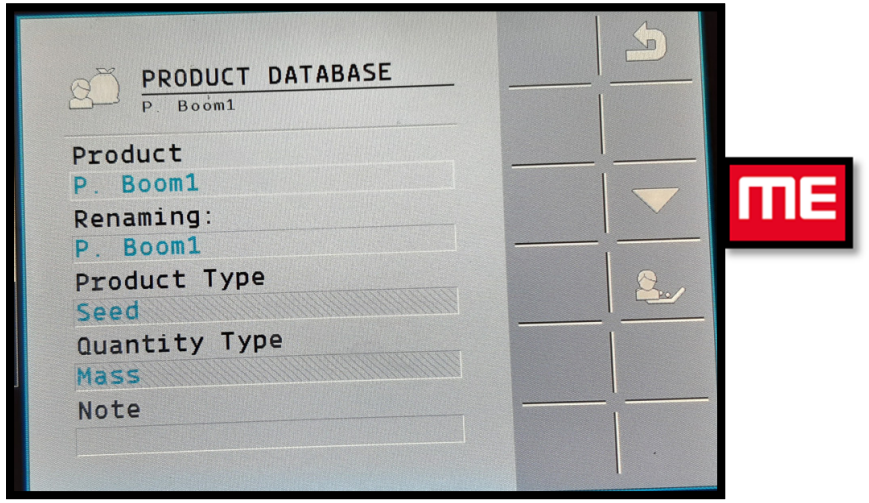
1 – Homepage next press the button:



2 – Press again the button

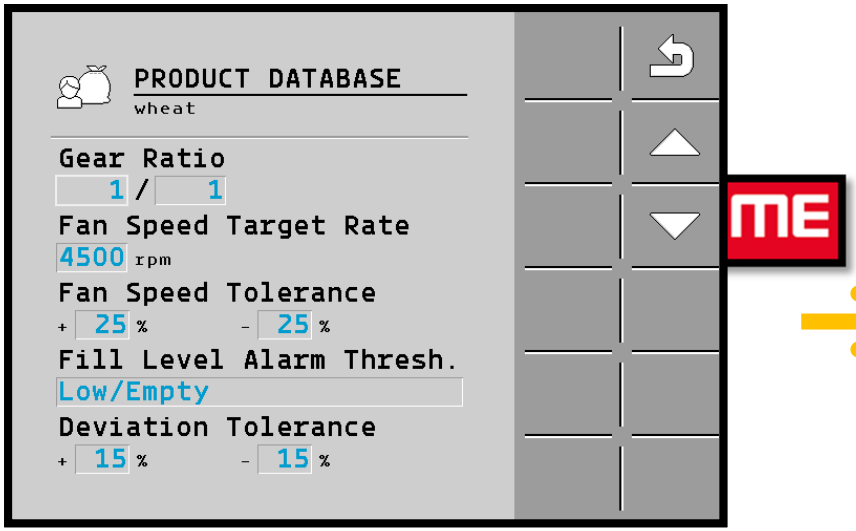
3 – To define the hopper 1 at hopper 4, after press the button

4 – Select the product, and press the button

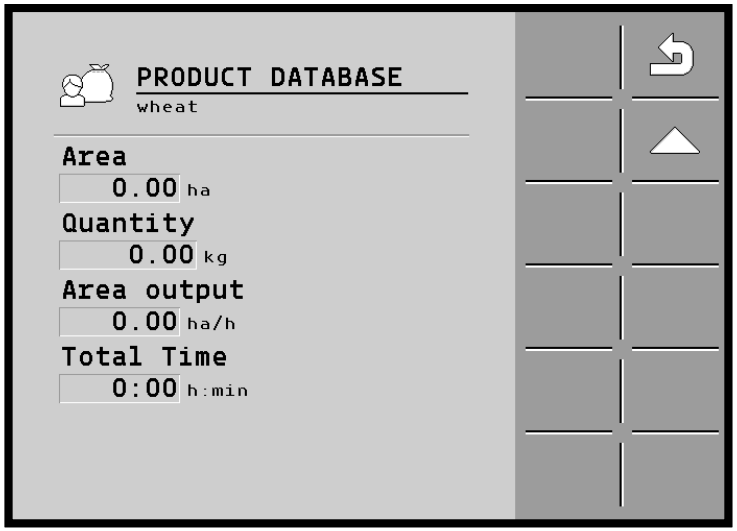


6- Product DataBase

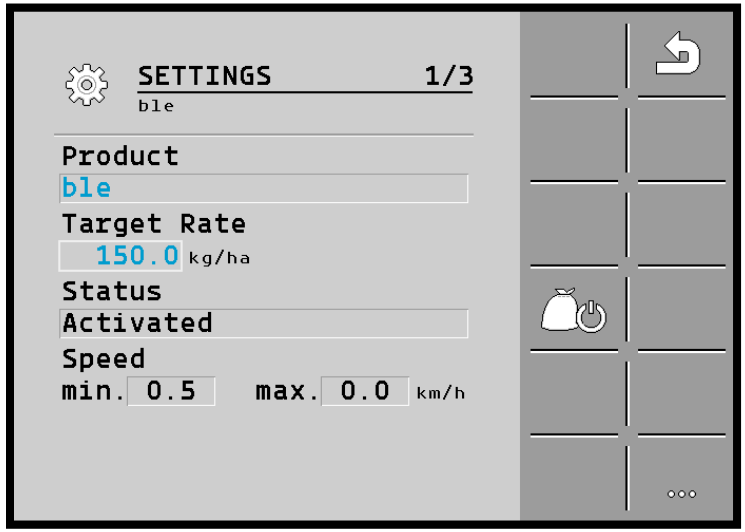
5 – Parameter of the product, press the button.



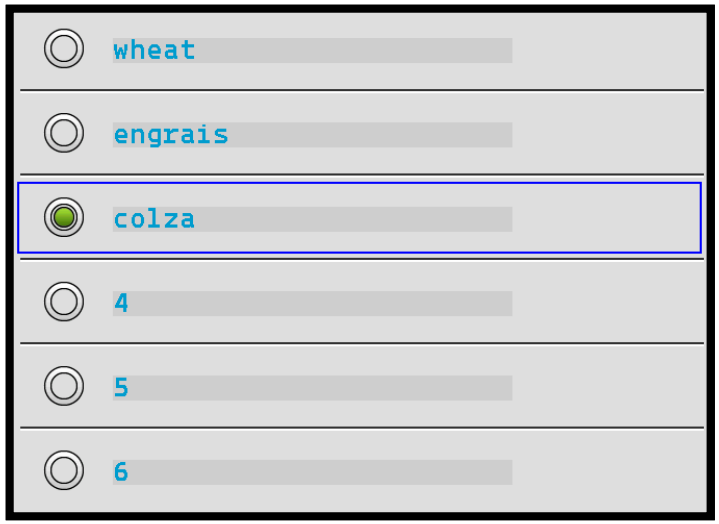
6 – Surface seeding



7 – Configuration rape **« spécial configuration»**

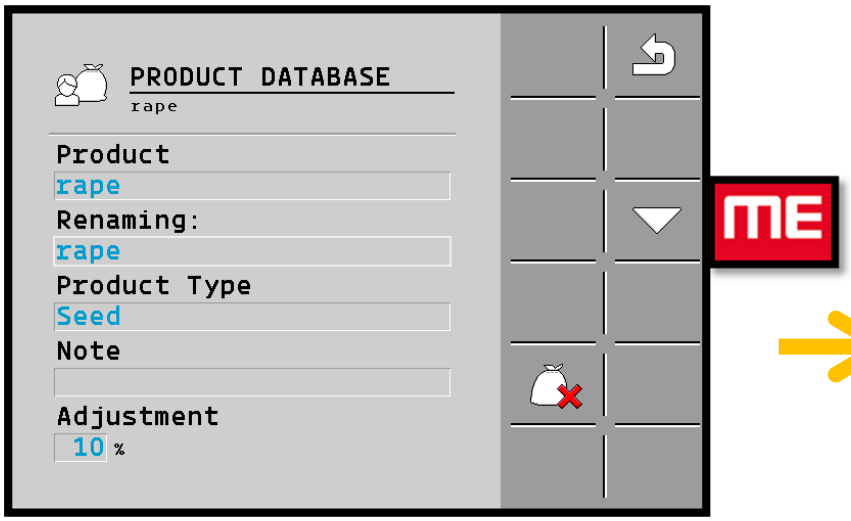


8- To choise the rape product



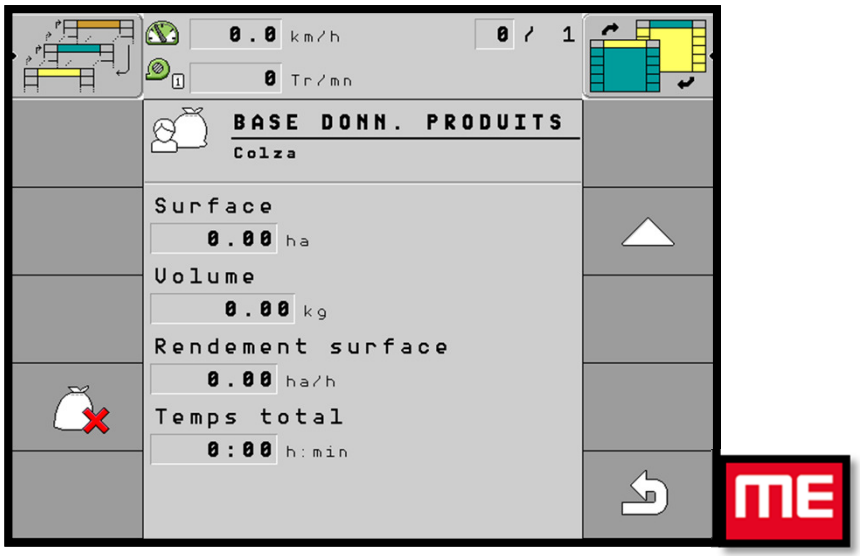
6- Product DataBase

1- Press the next button.



2- To check the parameter of the product

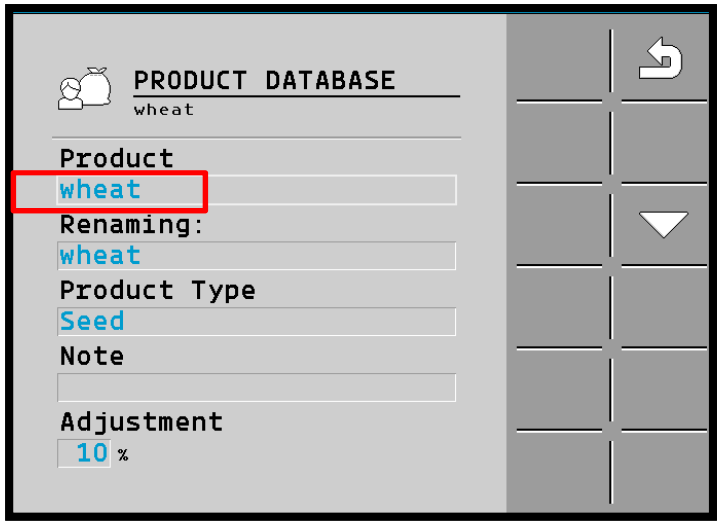
3- Working area information



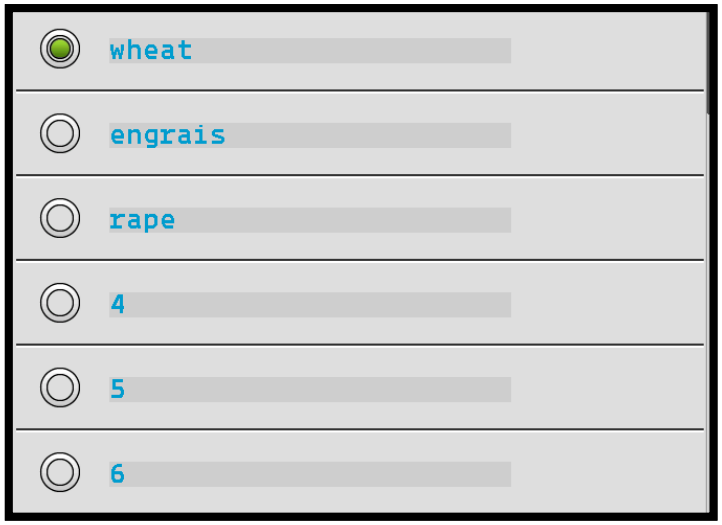
For the rape seeding , the alarm are not the same.
Only the sensor of the down are activited.
Fill level alarm thresh: Empty

6- Product DataBase

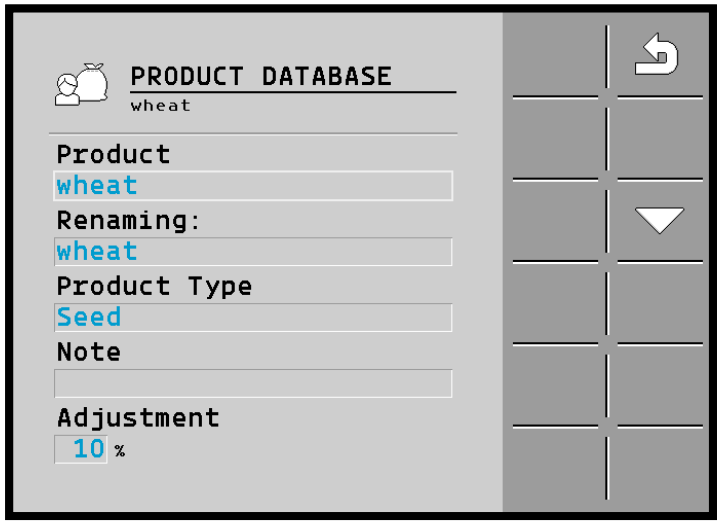
4- Creation new product.



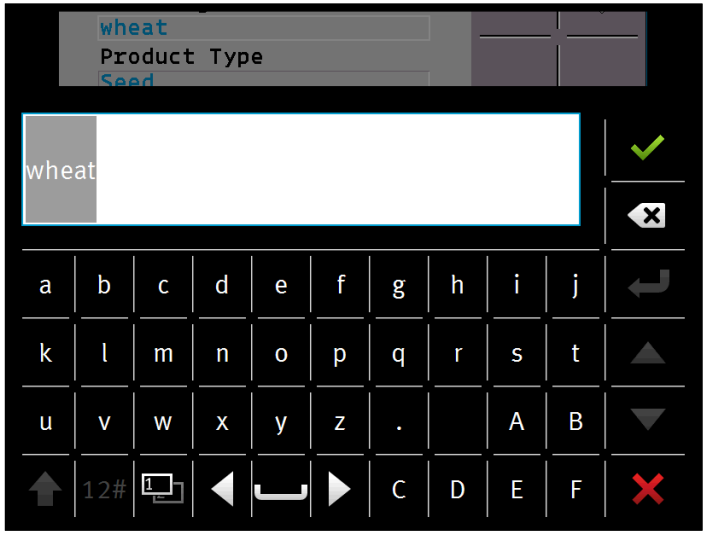
5 – Select one number



6- To change the name

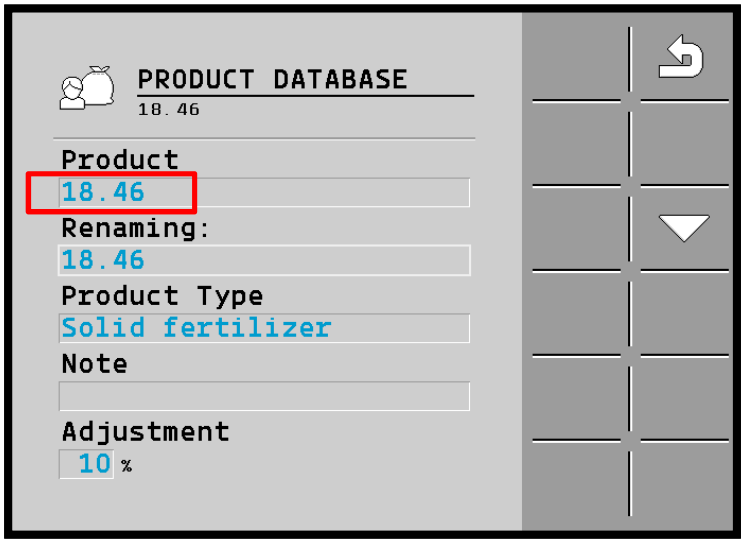


7 – Write the name of the new product

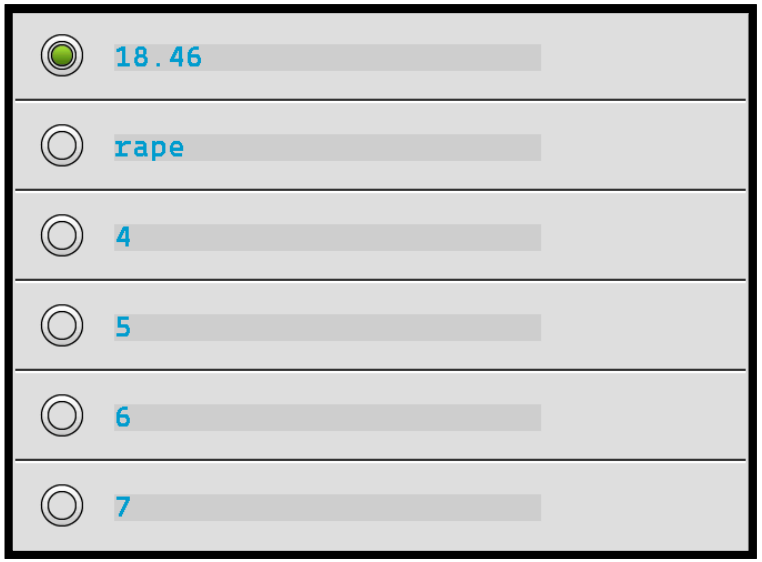


6- Product DataBase

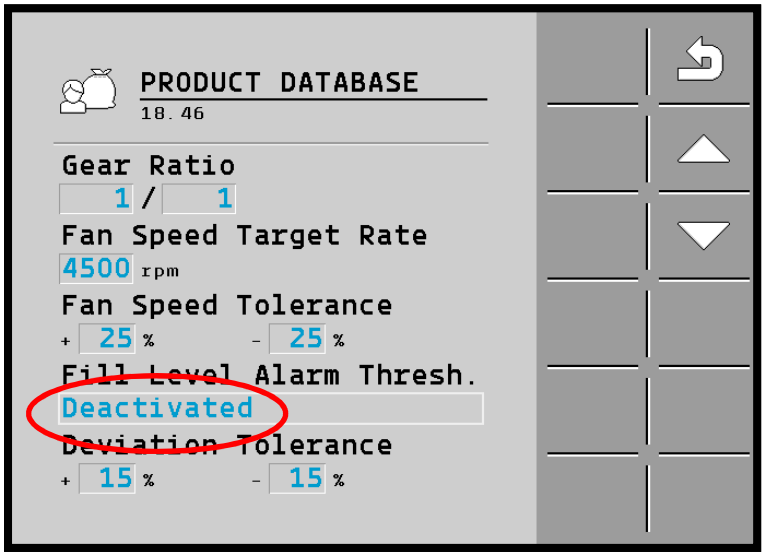
8 – Press the button to display all products.



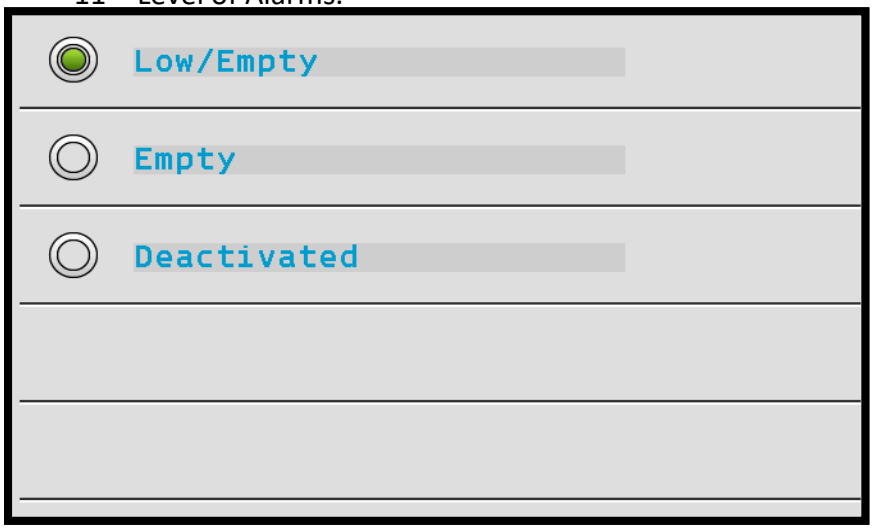
9 – Select the product,



10 – It's possible to change the alarm level.

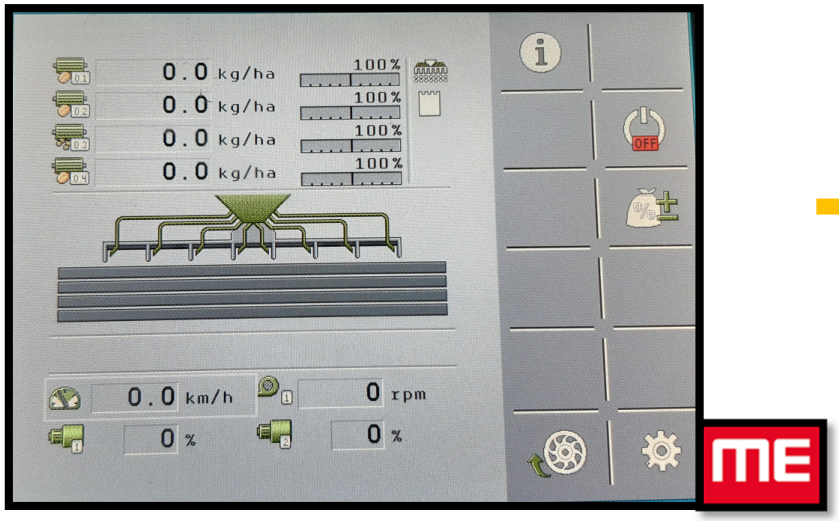


11 – Level of Alarms.



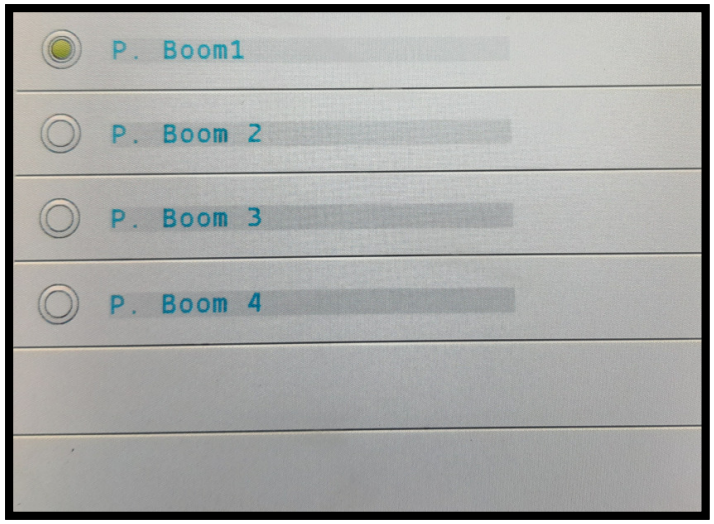
7 – The Test Flow Motor (1) / 1-2-3 and 4

1- Press the button:

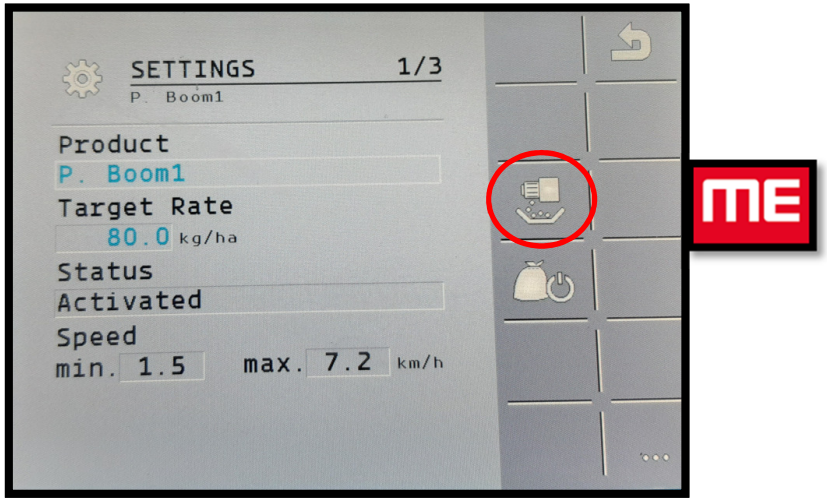


2 – Select the product of metering unit N°1

3- Select the product of metering unit N°1.

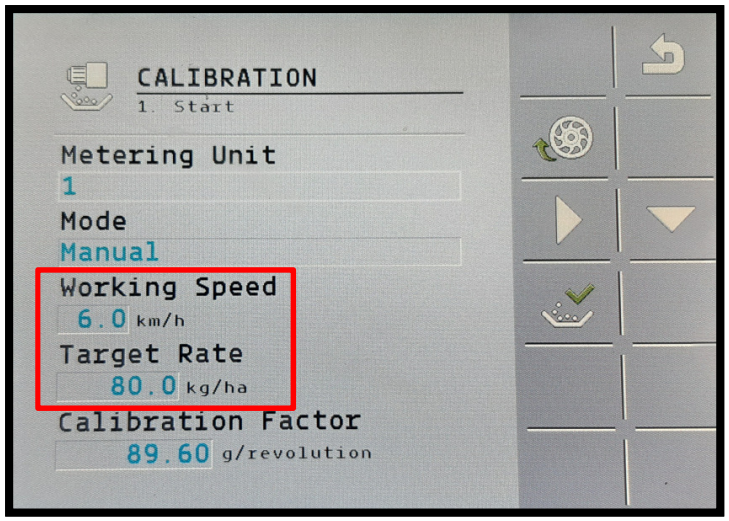


4 – Select the image following :

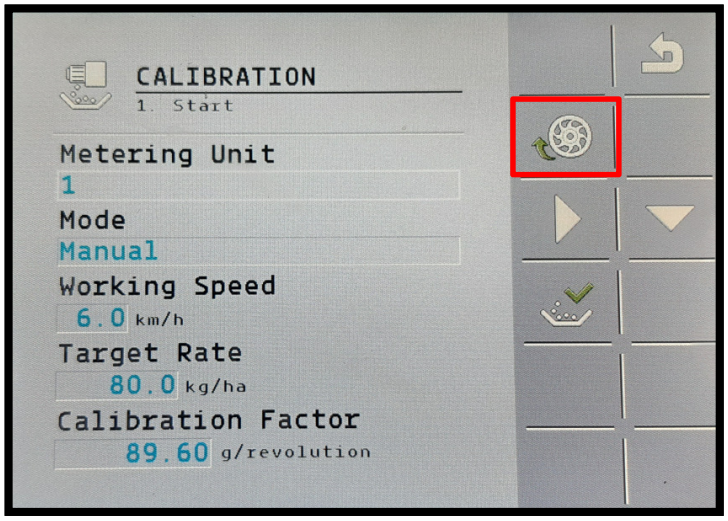


7 – The Test Flow Motor (1) / 1-2-3 and 4

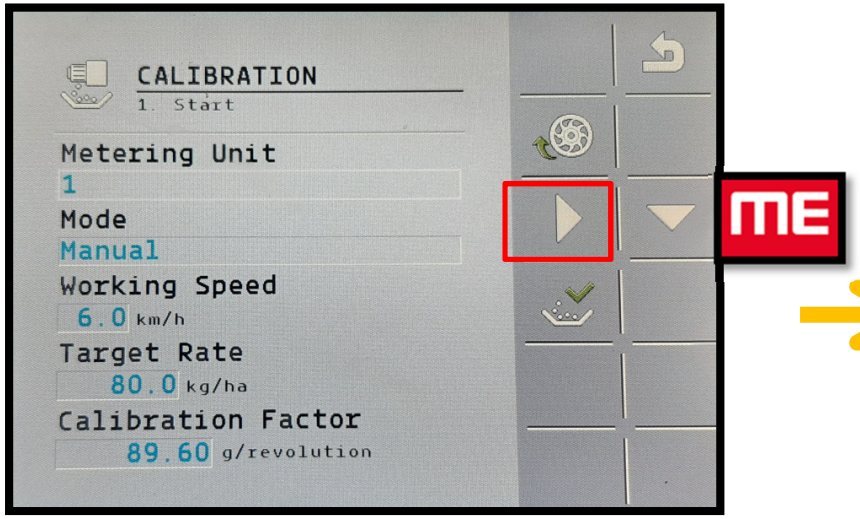
5- Put the information needed :



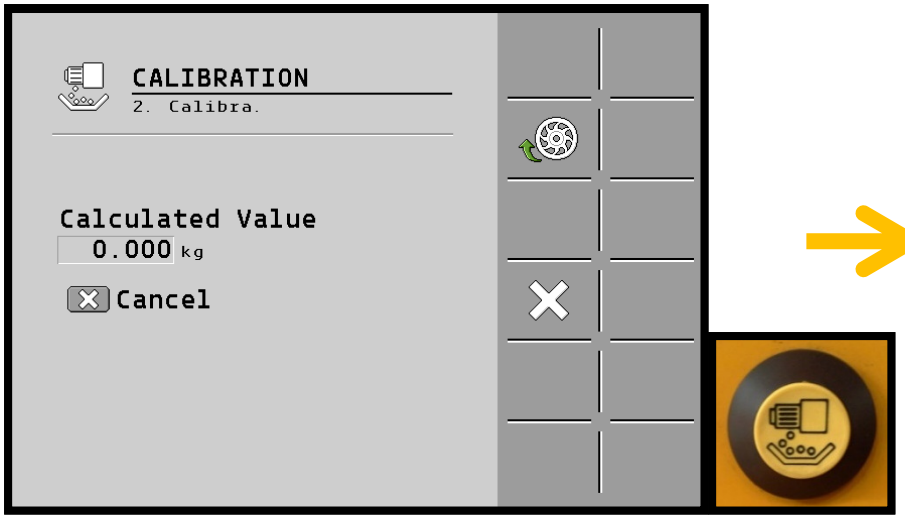
6- This buttom is loading the stars during 10 secondes.



7- Select the Harrow to active the test flow.

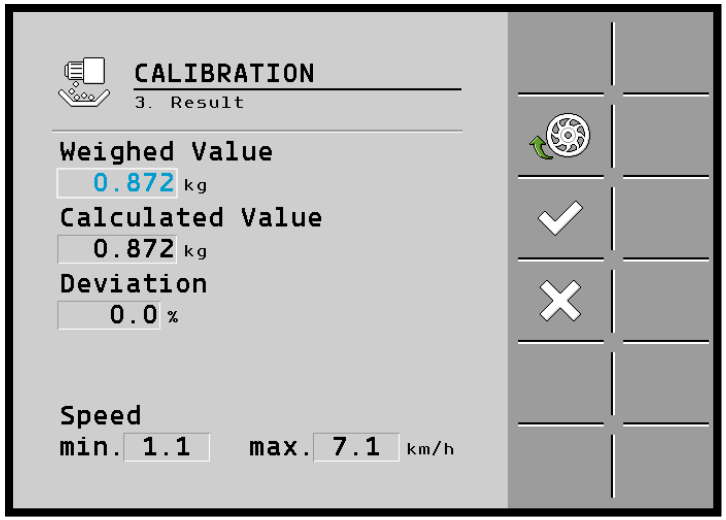


8- The monitor arrives on this screen, then press the calibration button.

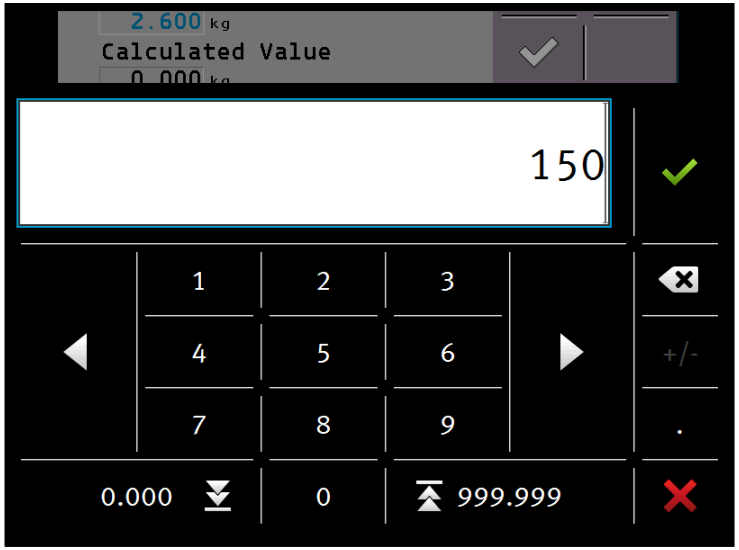


7 – The Test Flow Motor (1) / 1-2-3 and 4

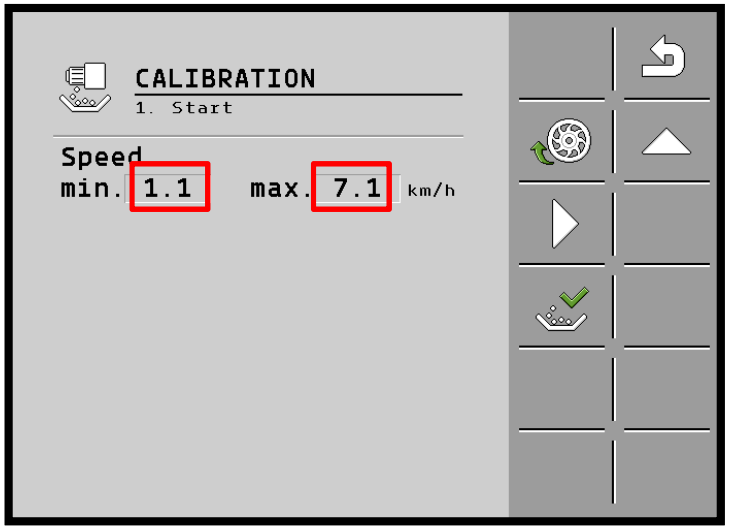
9– Press the value to go enter the weight gotten.



10 – Enter the weight gotten.



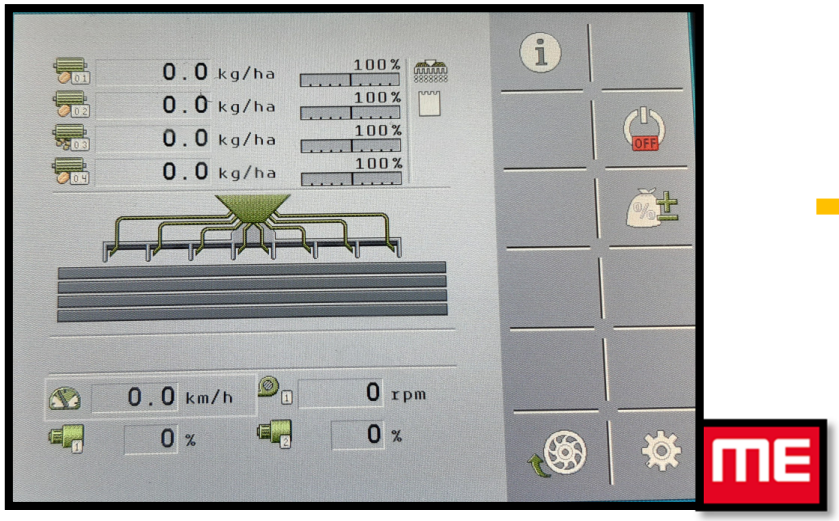
11 – Check the maximum and minimum speed, if you have a bad speed you have to change the distribution star.



12 – The calibration factor changes after each test depending on the result got. The operation must be repeated as long as the weight obtained is not close to the weight theoretical (- 5% error).The speeds indicated are the limits of the working range of the distribution according to that configuration, modify it if the work does not match. Repeat the operation for the other engine.

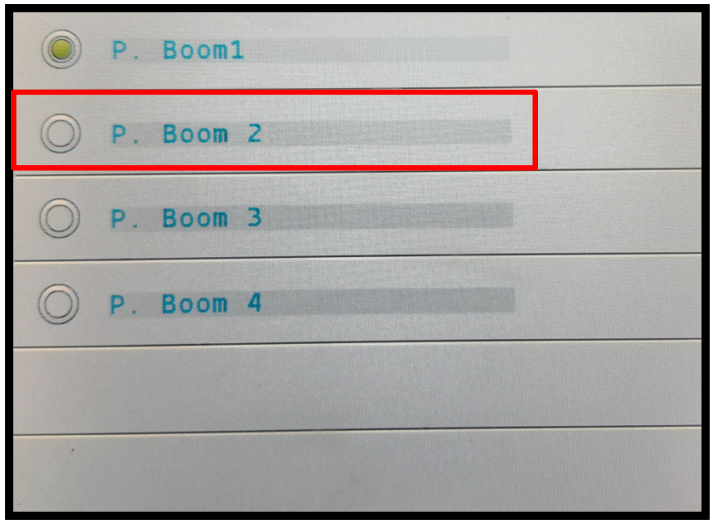
7 – The Test Flow Motor (2) / 1-2-3 and 4

1- Press the button:

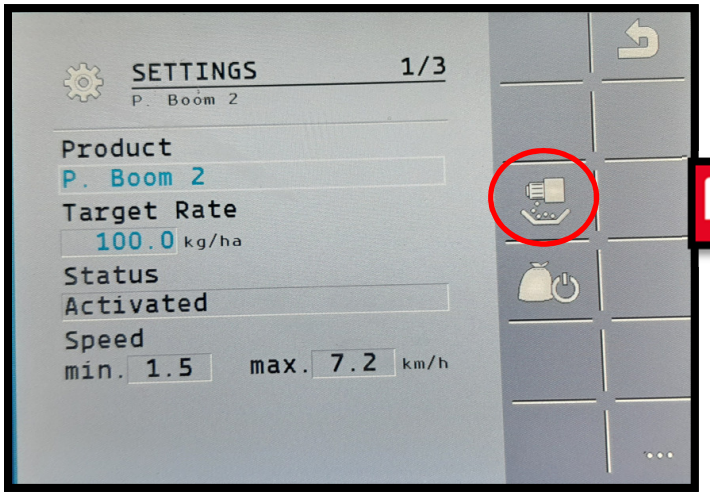


2 – Select the product of metering unit N°1

3- Select the product of metering unit N°1.

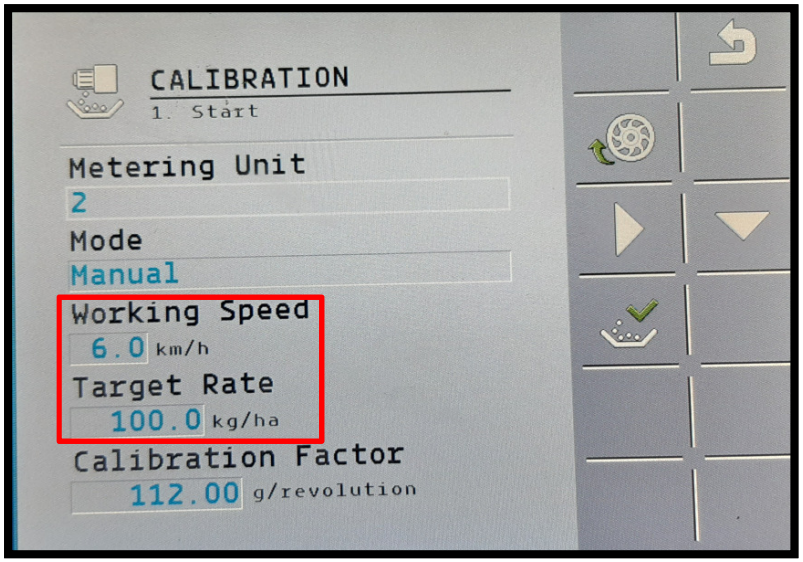


4 – Select the image following :

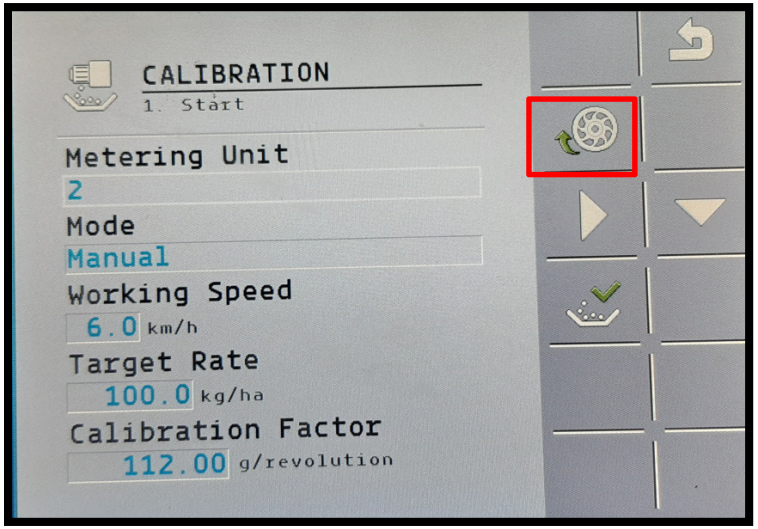


7 – The Test Flow Motor (2) / 1-2-3 and 4

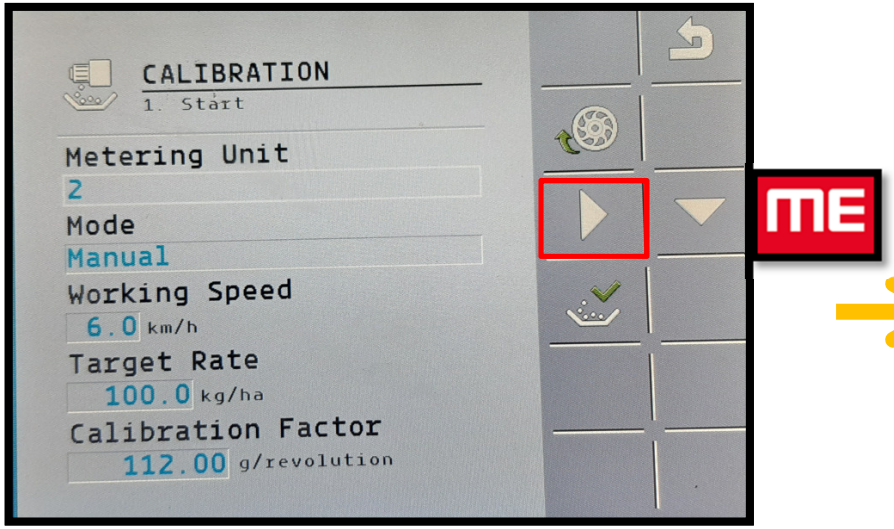
5- Put the information needed :



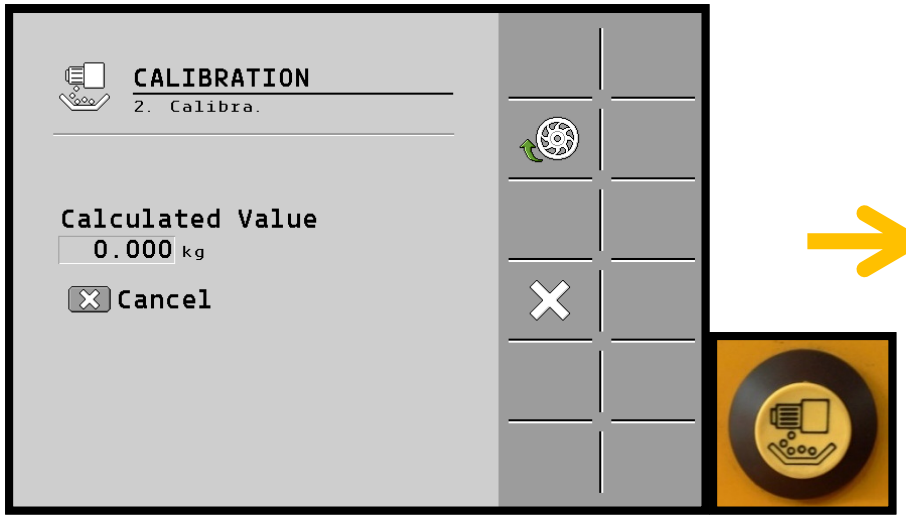
6- This buttom is loading the stars during 10 secondes.



7- Select the Harrow to active the test flow.

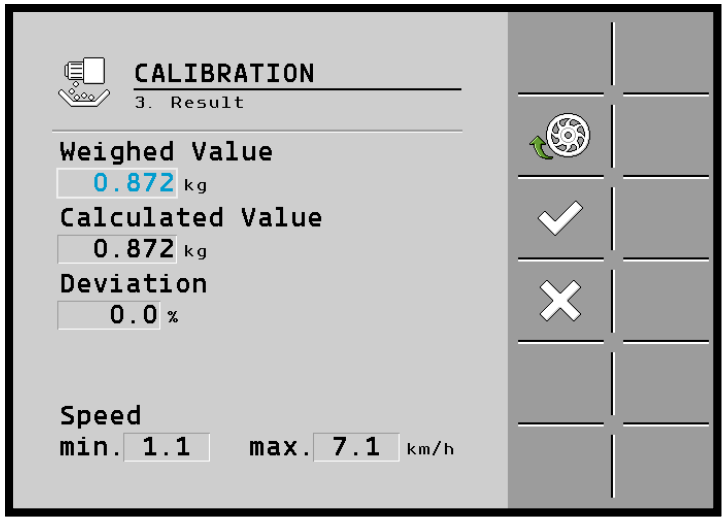


8- The monitor arrives on this screen, then press the calibration button.

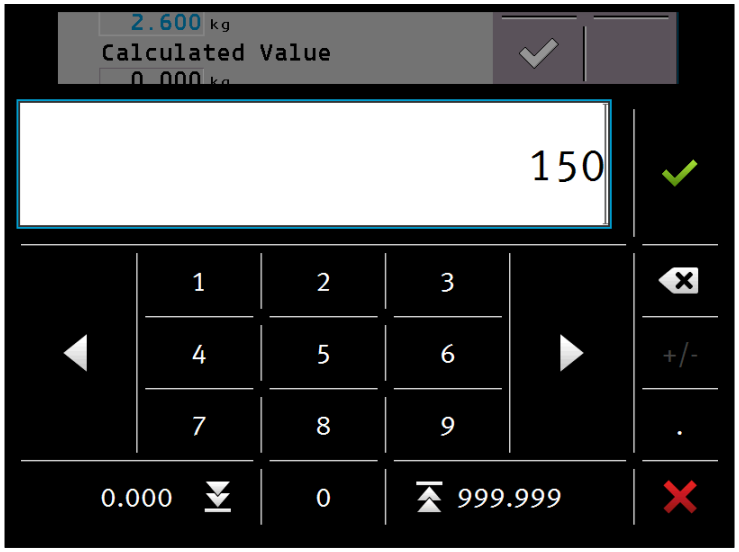


7 – The Test Flow Motor (2) / 1-2-3 and 4

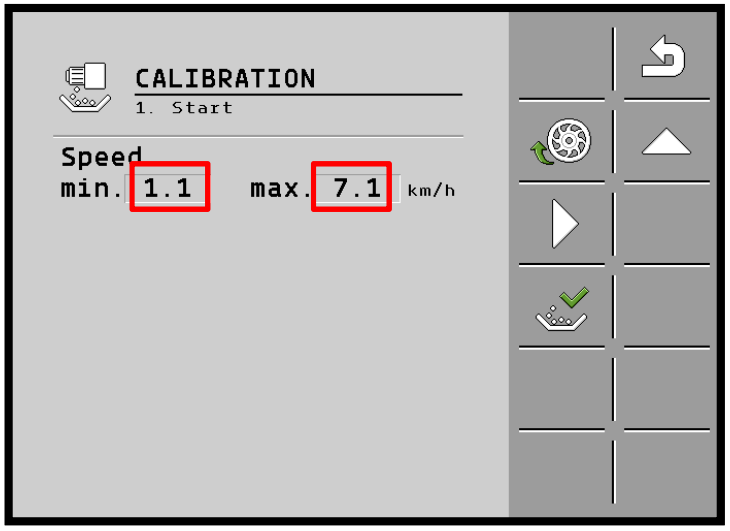
9– Press the value to go enter the weight gotten.



10 – Enter the weight gotten.



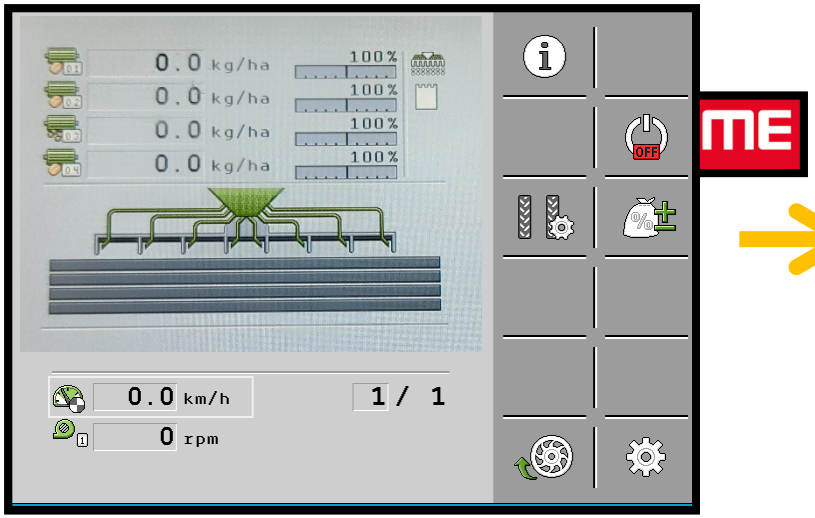
11 – Check the maximum and minimum speed, if you have a bad speed you have to change the distribution star.



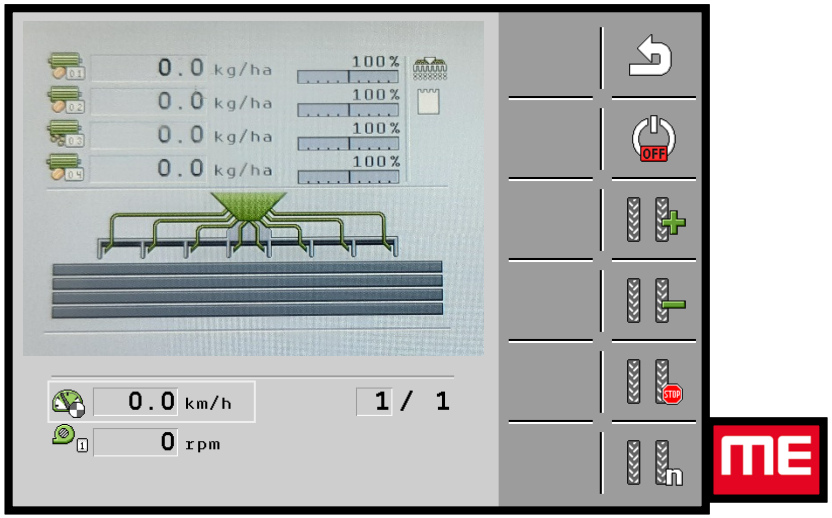
12 – The calibration factor changes after each test depending on the result got. The operation must be repeated as long as the weight obtained is not close to the weight theoretical (- 5% error).The speeds indicated are the limits of the working range of the distribution according to that configuration, modify it if the work does not match. Repeat the operation for the other engine.

10 - Tramlining

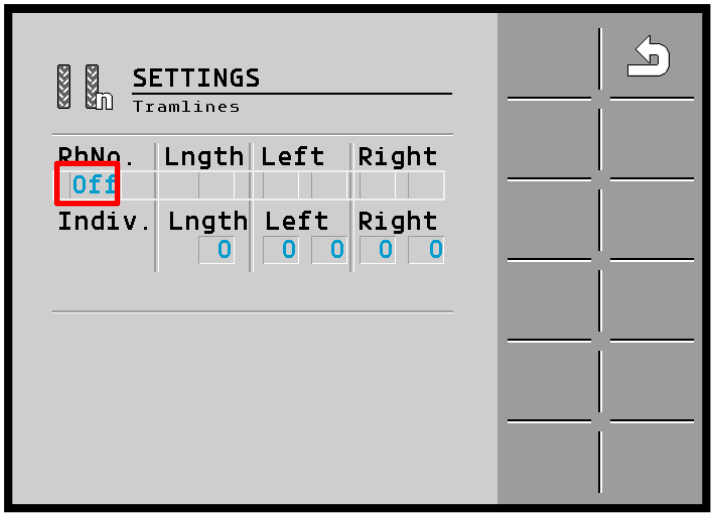
1 – On the homepage, Press the button



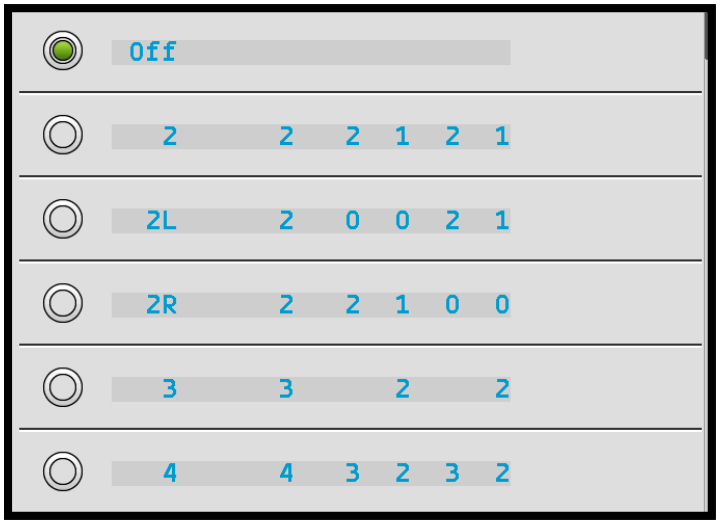
2 – Press the button to program the marking



3 – Parameter setting



4 – Select width and validate pressing on.



10 - Tramlining

Procedure :

Here is how to proceed to chose the rythm of the appropriate marking:

- ✓ You know the working width of your seeder
- ✓ You know the working width of our sprayer

1. Choose to start working from the left hand side or from the right hand side of the field.

2. Calculate:
working width of the sprayer / working width of the seeder

ex. : 12 : 3 = 4 ; 15 : 3 = 5 or 20 : 3= 6,67

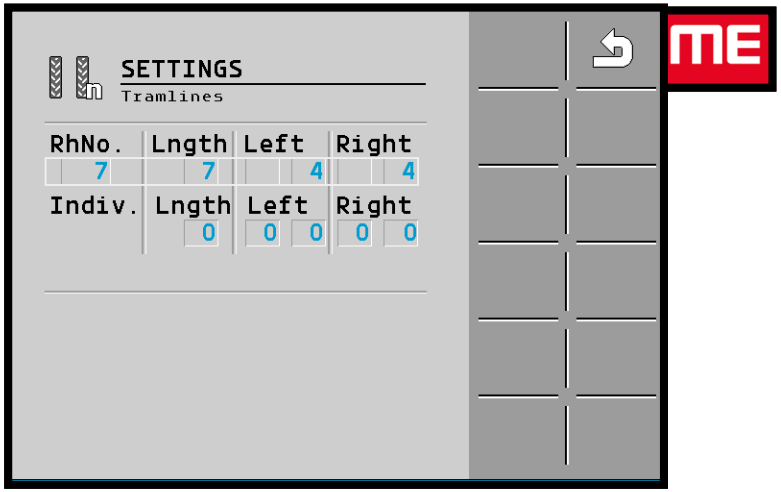
⇨ The results beneath are possible:
pair numbers (2 ; 4 ; 6 ; etc.),
odd numbers (3 ; 5 ; 7 ; etc.)
decimal numbers (1,5 ; 4,5 ; 5,33 ; etc.)

⇨ You have to choose a different rythm of marking, depending on each result. You will find the results on the instructions of the pneumatic seeder.

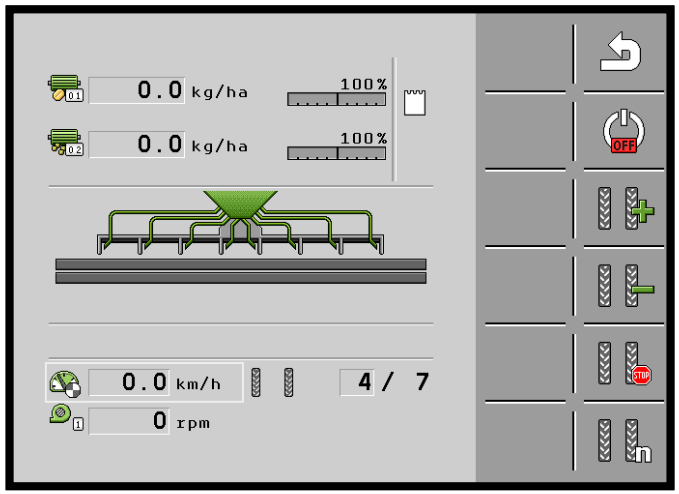
10 – Tramlining / Passage of a sprayer in the middle of a passage of a seeder

5- For a 1st example, we will use a 21m sprayer and a 3m seeder, which makes (21/3 = 7) 7 passages of seeder for 1 passage of sprayer

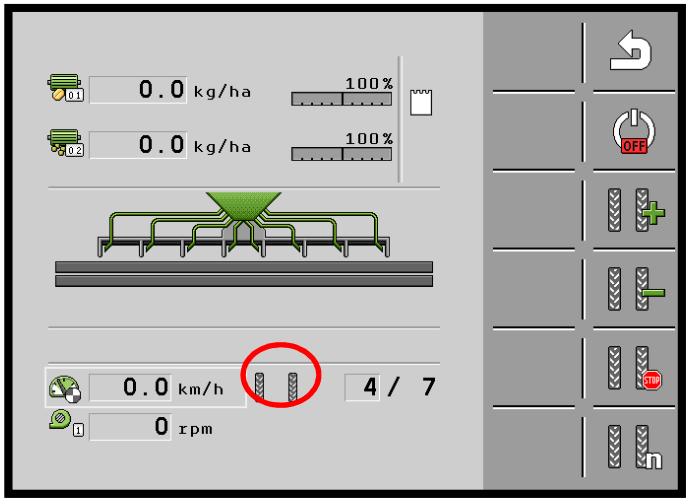
6 – The left and right hand side valves will activate themselves at the 4th passage. Press on button



7 – Press on button 10 to come back to the main menue

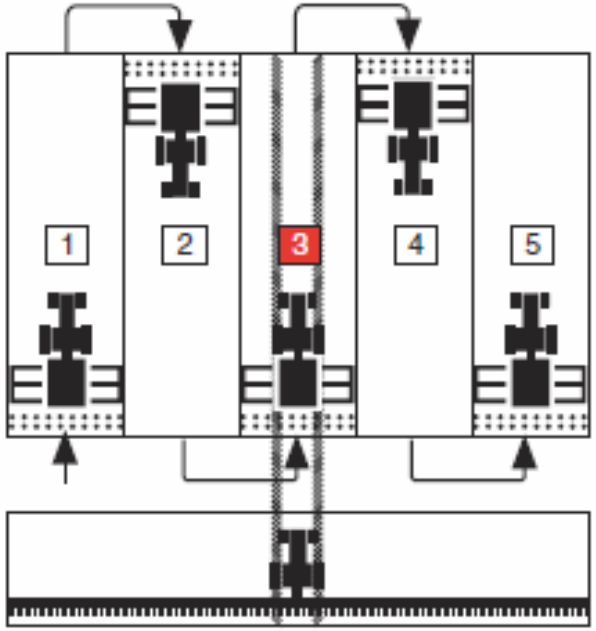


8 – At the 4th passage, the marking valves will activate themselves



10 – Tramlining / Passage of a sprayer in the middle of a passage of a seeder

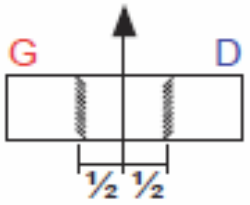
3m seeder with a 15m sprayer
6m seeder Other example with a 30m sprayer



Other example

Control board

Tracer position

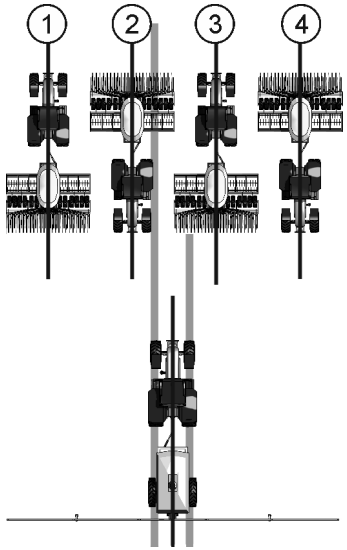


10 – Tramlining ½ seeder

5 bis – Start steps 1 to 4 again. For an example, let's take a 24m sprayer and a 3m seeder (24/3 = 8 passages). In this case, only one valve will be active.

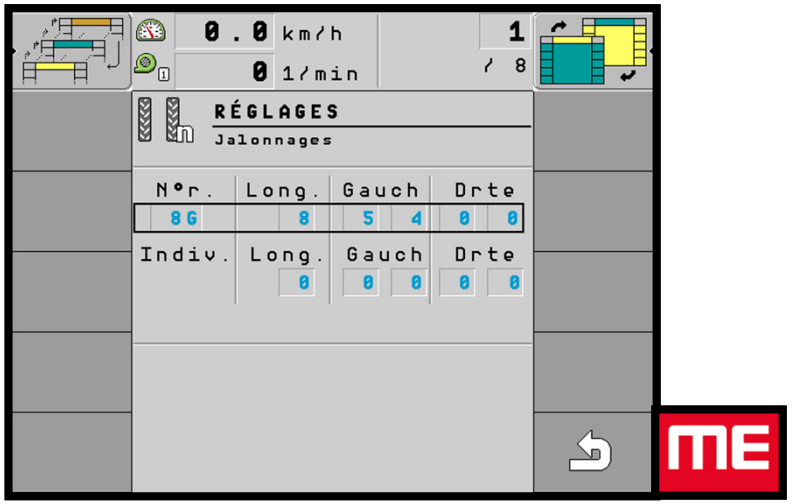
Choose the side of the field you will start to select the right or left valve
If we start by the left side, we select the left vavle.

Exemple



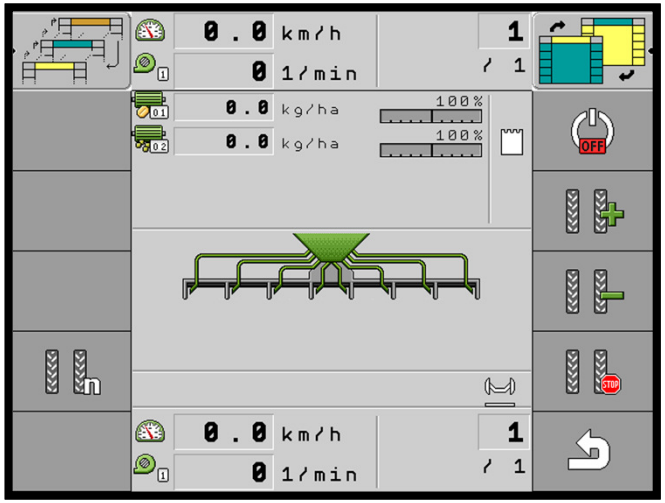
6 bis – Go on line 8G and validate

7 bis – The left valve will activate itself at 4th passage and 5th passage

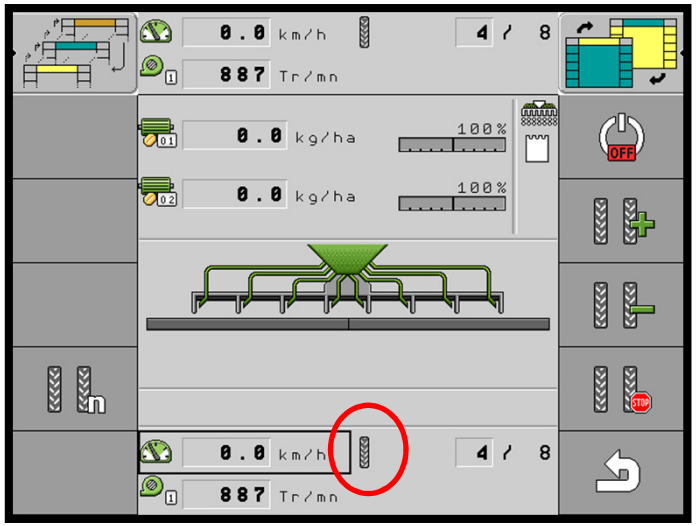


10 – Tramlining ½ seeder

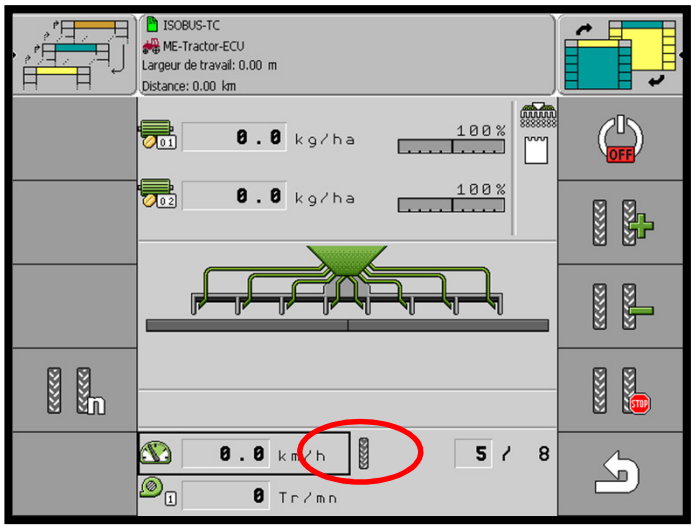
8 bis – Homepage



9 bis – At the 4th passage, the left valve activate itself for the first time.

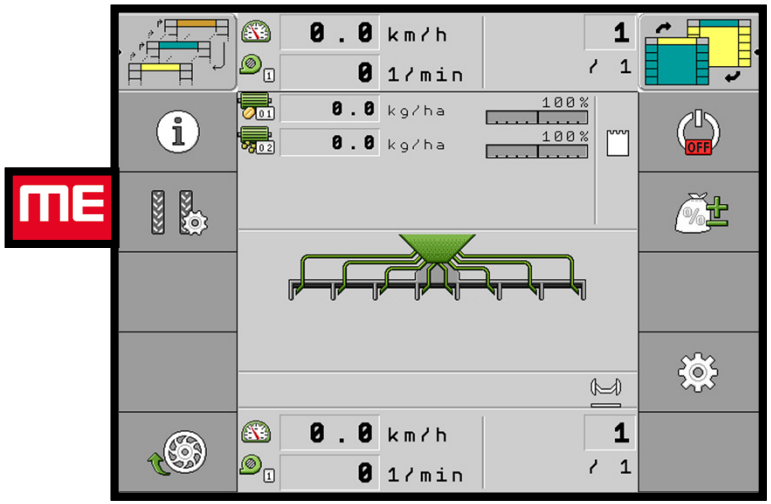


10 bis – At 5 th passage, the left valve activate itself for the second time

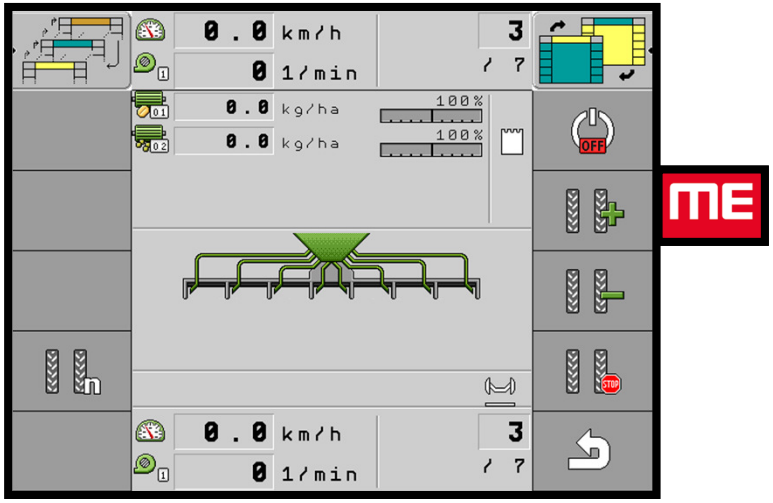


11 – Tramlining / Using

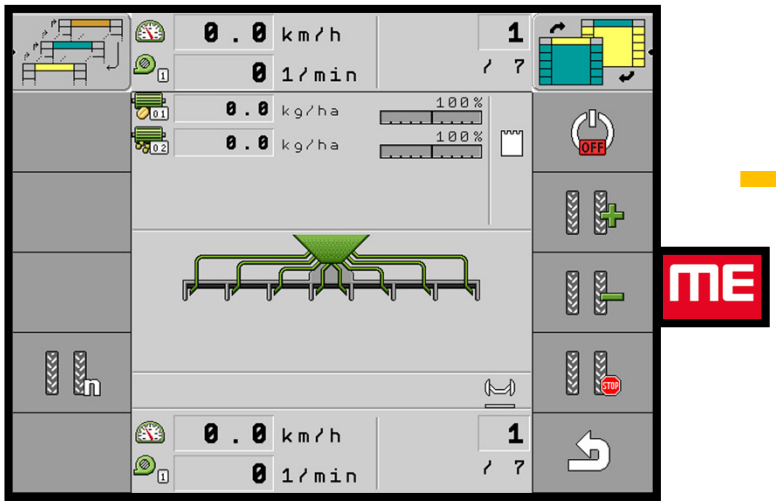
11 -Press the button to acess at the marking parameter



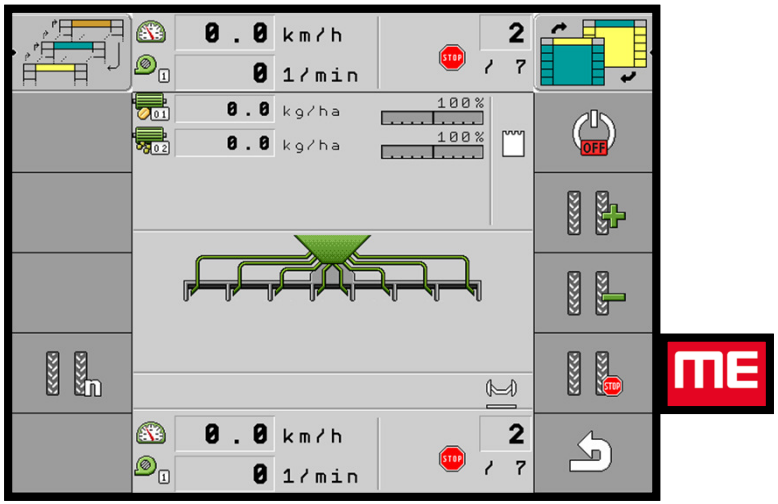
12- Press the button to have an extra passage manually.



13- Press the button to have one passage less manually.



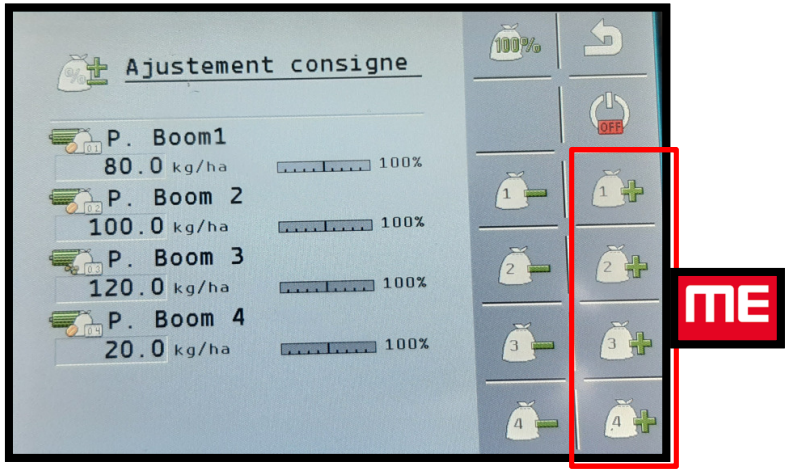
14- Press the button to stop the marking.



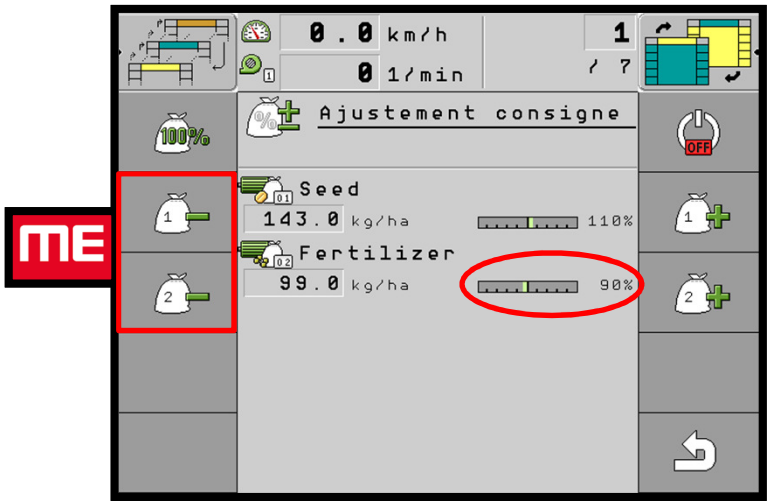
12 – Manual Rate Modulation

1-Press the button to enter on the modulation parameter of the temporary quantity

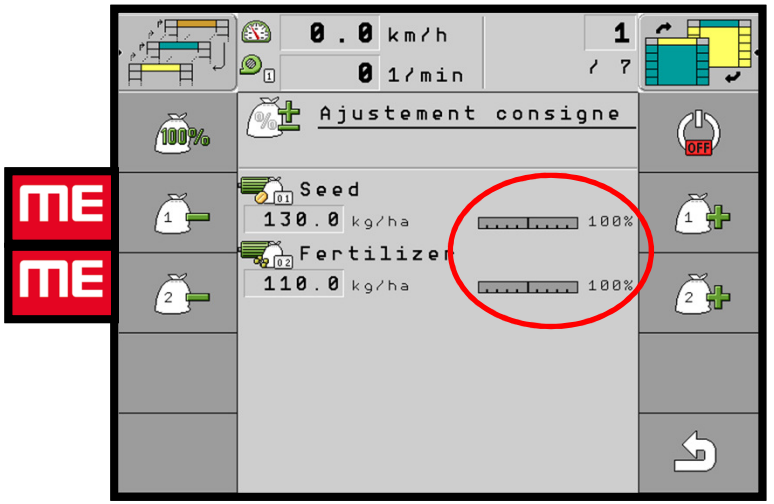
2- Buttons permits to increase temporary the quantity of 10% with each impulsions.



3- Button 1 et 2 or permits to reduce temporary the quantity of 10% with each impulsions.

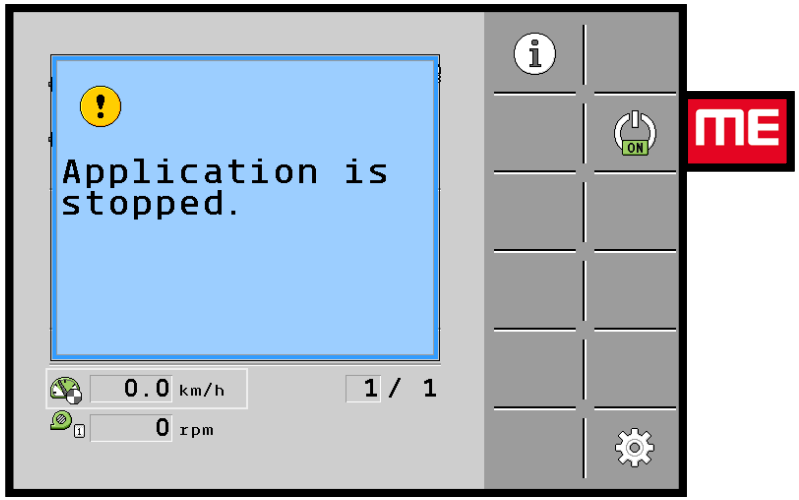


4- Normal quantity.

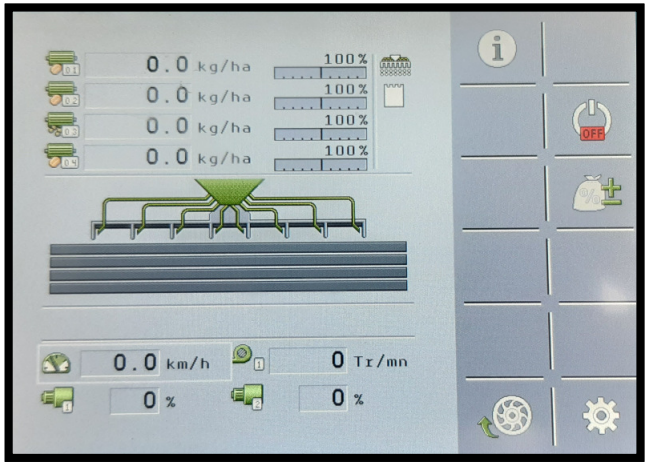


13 – Worked area information

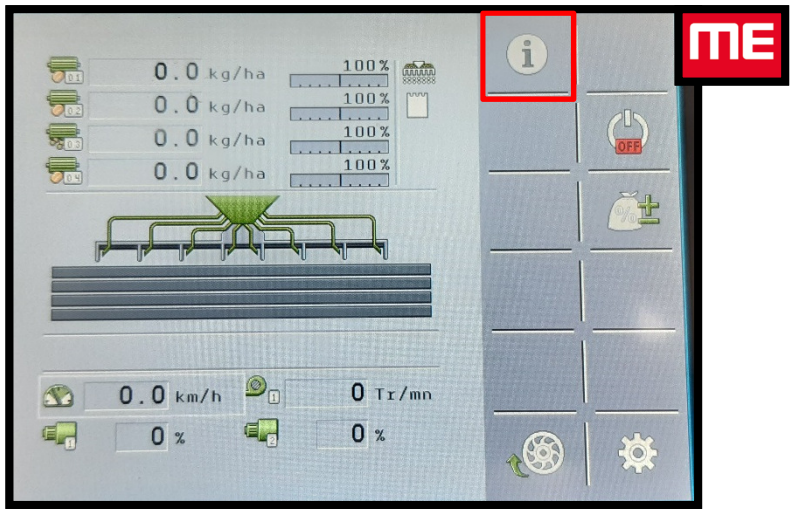
1- homepage, Switch on the seeder



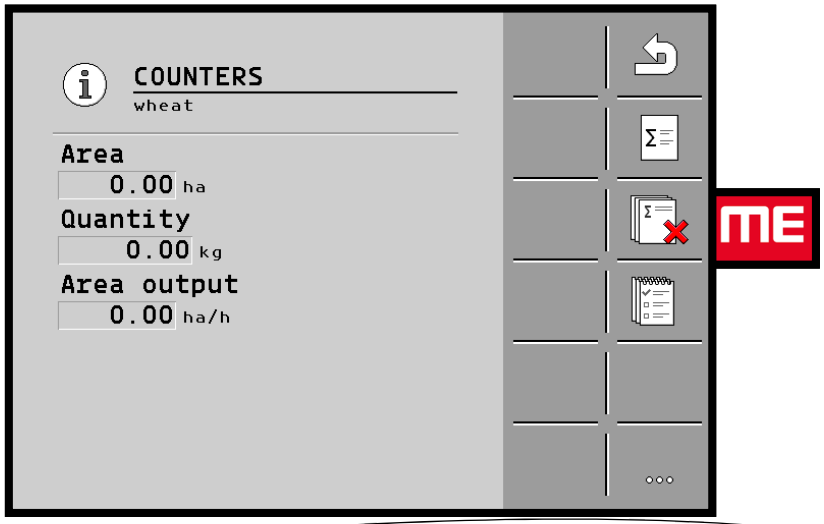
2 – When you have this picture, the seeder is active



3- Button permit to enter on information.

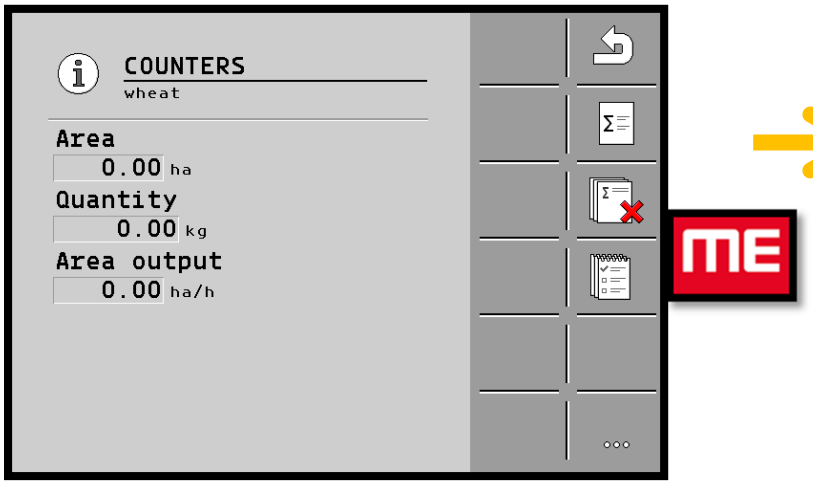


4- We can see the sowed area since the last reset. Press the next touch to reset.

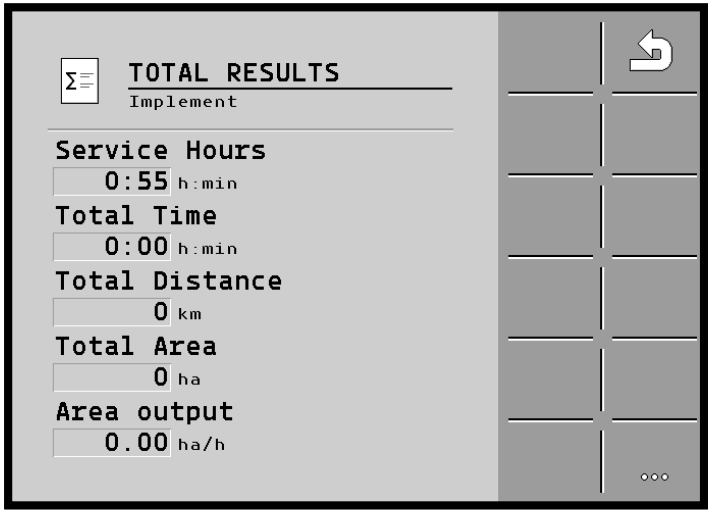


14 – Information surface / Missions

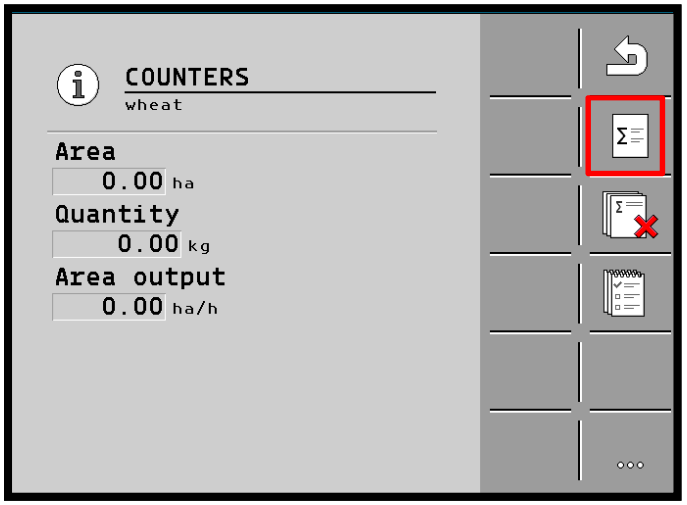
5- The area has been resetting. To see the total area press this button.



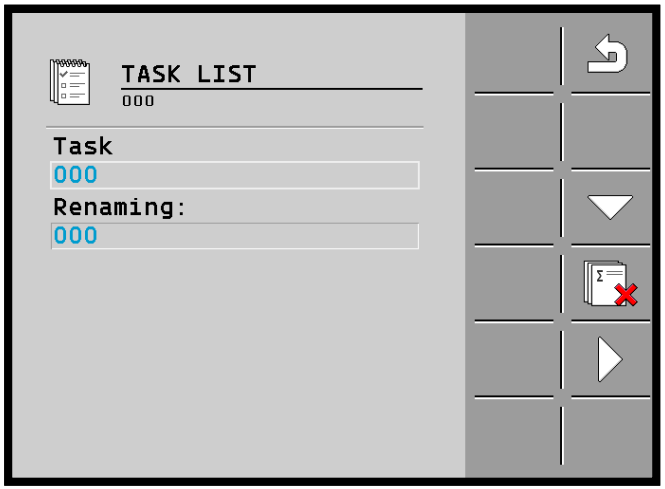
6- On this screen, appers the total of different informations, with no reset allowed.



7- It's possible to have many surface informations for each seed.

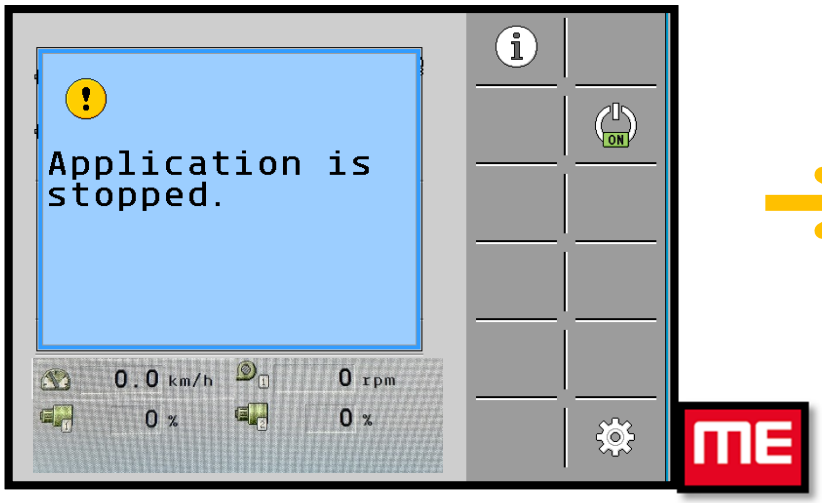


8 – We can change te name.



16 – Mode diagnostic

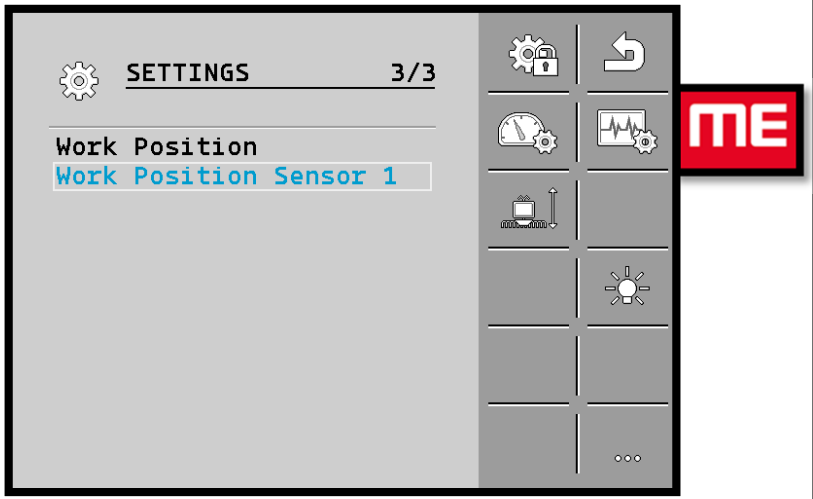
1- To enter the diagnotic mode, on the main screen, press the button. The seeder have to be close



2 – Press again the button.

3 – Press the button (3rd time)

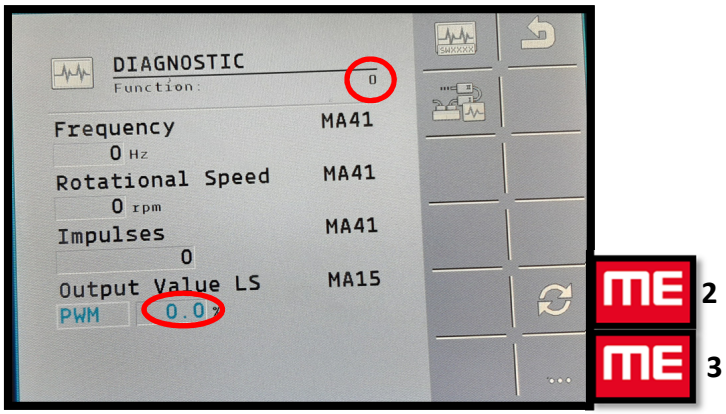
4 – Press the button to enter in the diagnotic mode.



16 – Mode diagnostic

Press the following key to go to the other pages

- **Function 0**

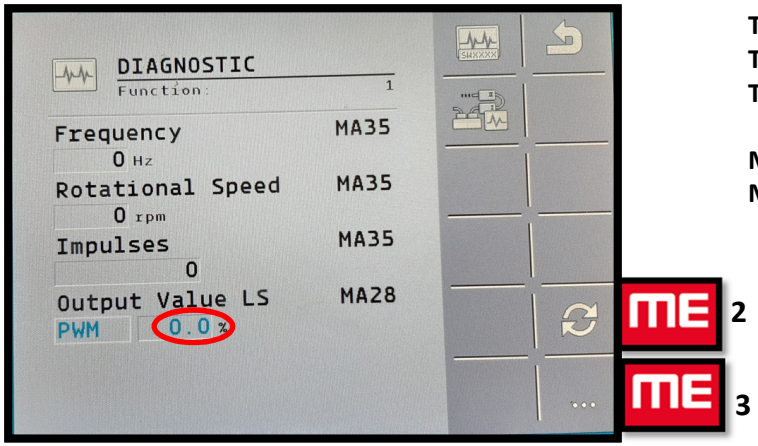


Touche 1 : Version number
Touche 2 : Reset to zero
Touche 3 : Next page

MA 15 : Motor 1
MA 41 : Motor 1

PS: To test the motor, put LS out value at 50 %. The motor has to turn at 50% of its capacity, so around 1125 Tr/min.

- **Fonction 1**



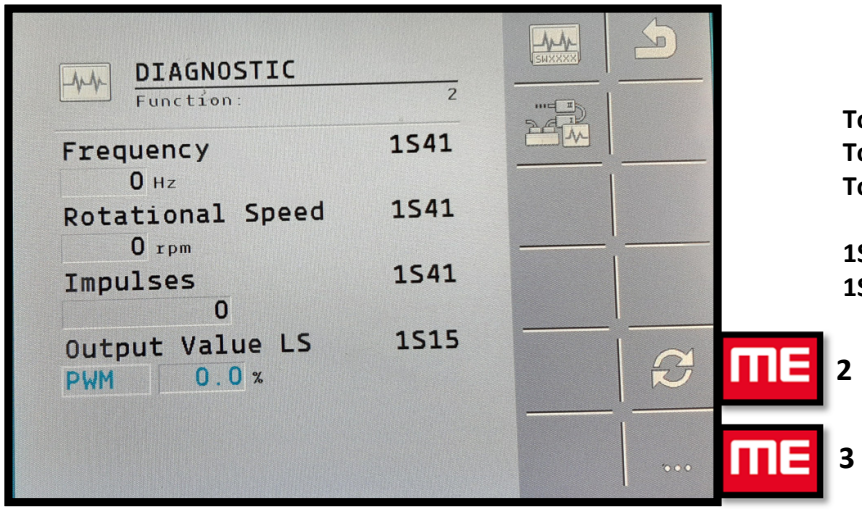
Touche 1 : Version number
Touche 2 : Reset to zero
Touche 3 : Next page

MA 28 : Motor 2
MA 35 : Motor 2

PS: To test the motor, put LS out value at 50 %. The motor has to turn at 50% of its capacity, so around 1125 Tr/min.

16 – Mode diagnostic

- **Fonction 2**

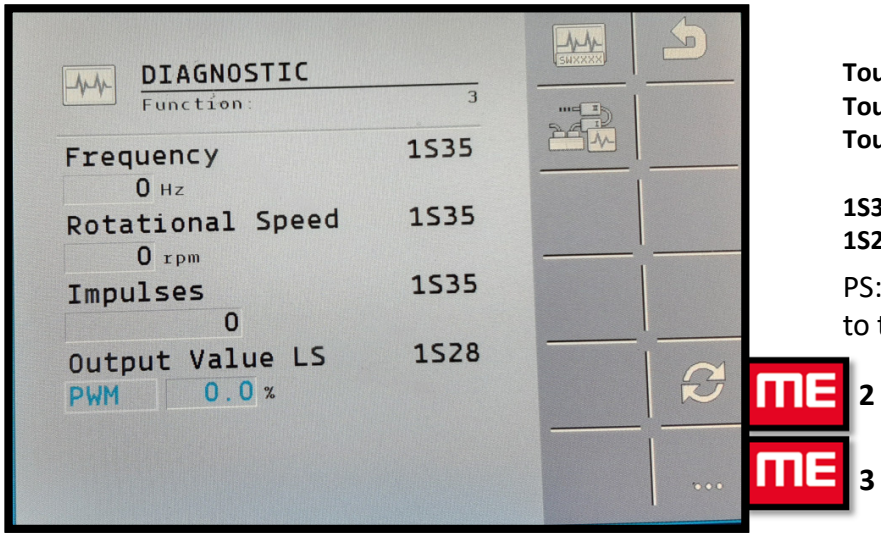


Touche 1 : Version number
Touche 2 : Reset to zero
Touche 3 : Next page

1S41 : Motor 3
1S15 : Motor 3

PS: To test the motor, put LS out value at 50 %. The motor has to turn at 50% of its capacity, so around 1125 Tr/min.

- **Fonction 3**



Touche 1 : Version number
Touche 2 : Reset to zero
Touche 3 : Next page

1S35 : Motor 4
1S28 : Motor 4

PS: To test the motor, put LS out value at 50 %. The motor has to turn at 50% of its capacity, so around 1125 Tr/min.

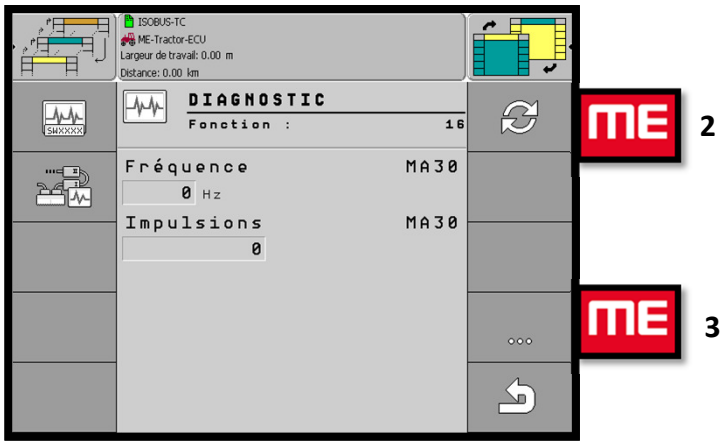
16 – Mode diagnostic

- **Fonction 12**

Touche 1 : Version number
Touche 2 : reset to zero
Touche 3 : next page

MA 38 : Fan

- **Fonction 16**

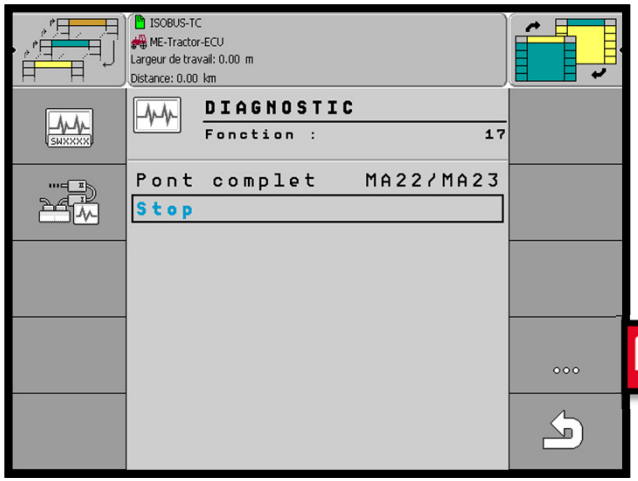


Touche 1 : Version number
Touche 2 : reset to zero
Touche 3 : next page

MA 30 : Radar or DGPS

16 – Mode diagnostic

- **Fonction 17**

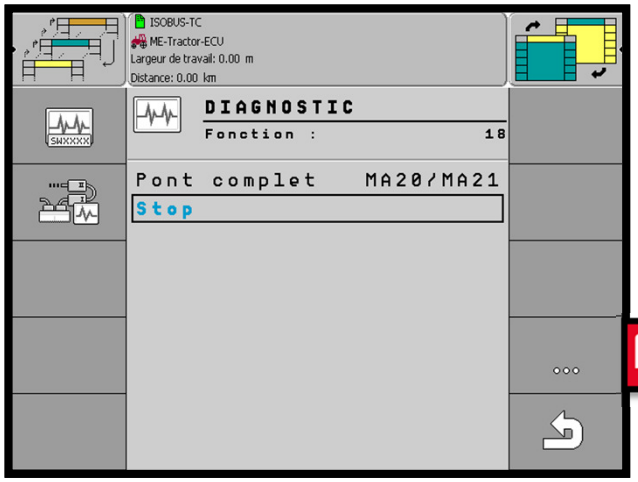


Touche 1 : Reset to zero
Touche 2 : Next page

MA 22/23 : Tramline

ME 3

- **Fonction 18**



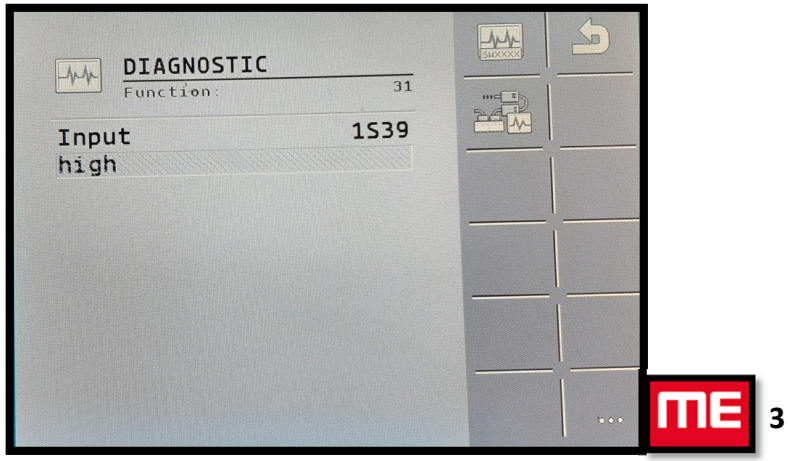
Touche 1 : Reset to zero
Touche 2 : Next page

MA 20/MA21 : Tramline

ME 3

16 – Mode diagnostic

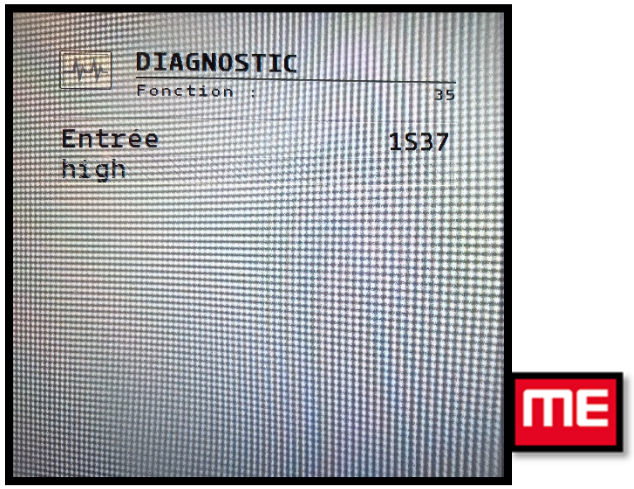
- **Fonction 31**



Touche 1 : reset to zero
Touche 2 : next page

1S39 : Cut off

- **Fonction 35**

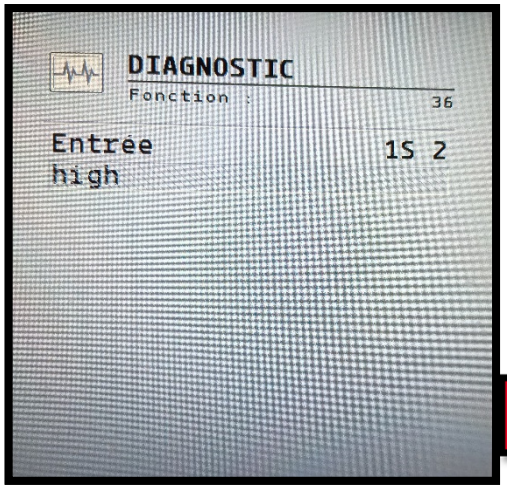


Touche 1 : reset to zero
Touche 2 : next page

1S37 : Low level sensor of the hopper N°3.

16 – Mode diagnostic

- **Fonction 36**

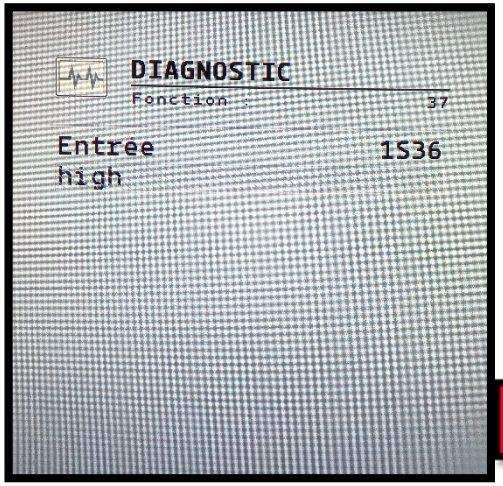


ME **3**

Touche 1 : reset to zero
Touche 2 : next page

1S 2 : Empty level sensor of the hopper N°4, (Small tank)

- **Fonction 37**



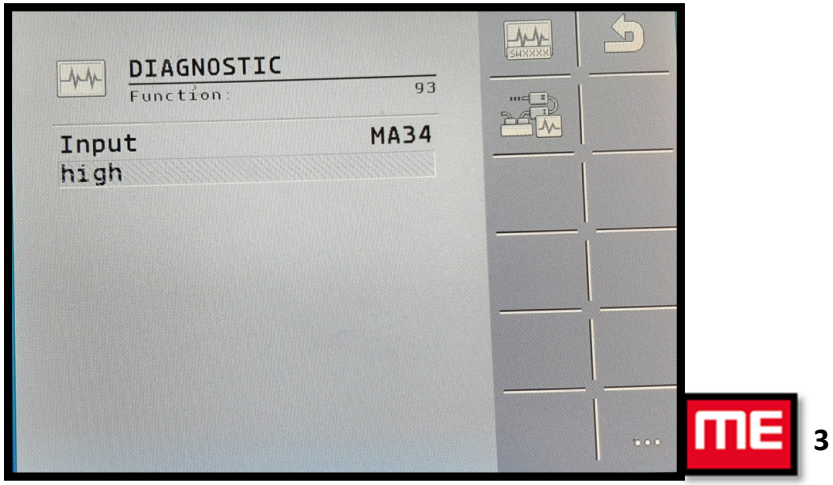
ME **3**

Touche 1 : reset to zero
Touche 2 : next page

1S36 : Low level sensor of the hopper N°4 (Small tank)

16 – Mode diagnostic

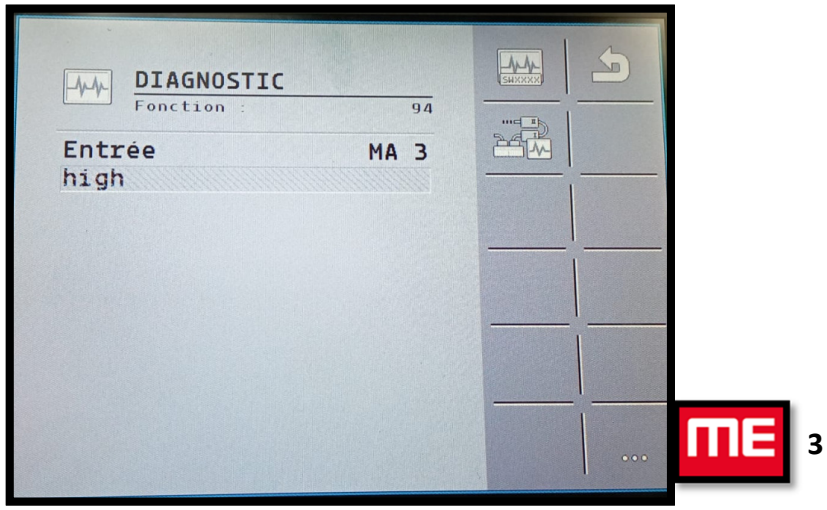
- **Fonction 93**



Touche 6 : reset to zero
Touche 9 : next page

MA 34 : Yellow Button of calibration

- **Fonction 94**

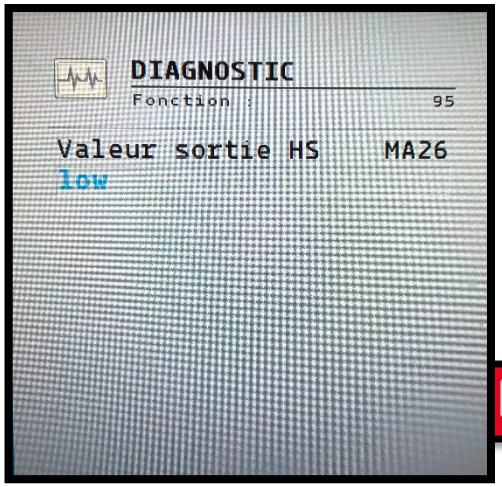


Touche 1 : reset to zero
Touche 2 : next page

MA 3 : Empty level sensor of the hopper N°1

16 – Mode diagnostic

- **Fonction 95**



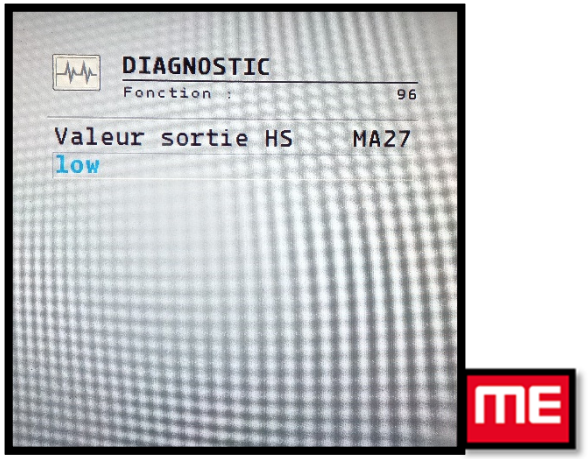
Touche 1 : reset to zero
Touche 2 : next page

MA 26 : Beacon 1

ME **3**

16 – Mode diagnostic

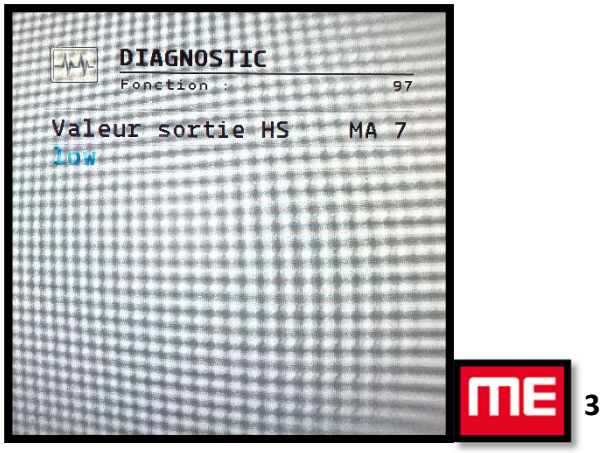
- **Fonction 96**



Touche 1 : reset to zero
Touche 2 : next page

MA 27 : Beacon 2

- **Fonction 97**

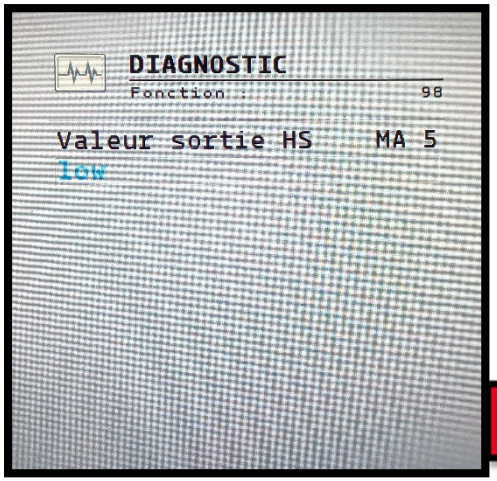


Touche 1 : reset to zero
Touche 2 : next page

MA 7 : Working Light 1

16 – Mode diagnostic

- **Fonction 98**

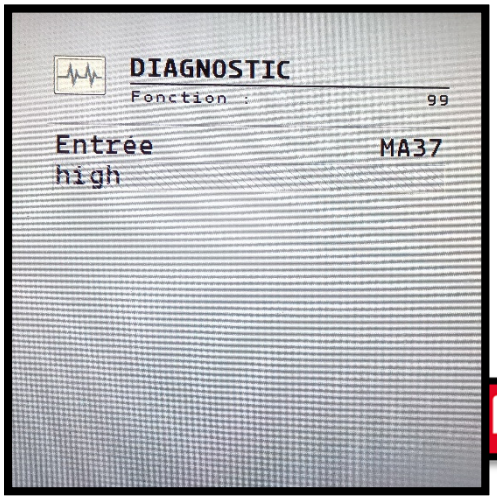


Touche 1 : reset to zero
Touche 2 : next page

MA 5 : Working Light 2

ME **3**

- **Fonction 99**



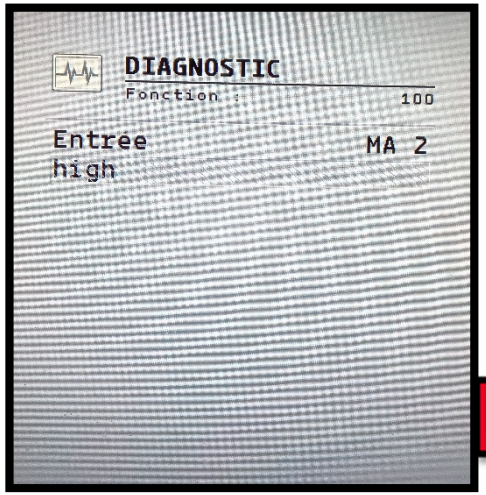
Touche 1 : reset to zero
Touche 2 : next page

MA 37 : Low level sensor of the hopper N°1.

ME **3**

16 – Mode diagnostic

- **Fonction 100**

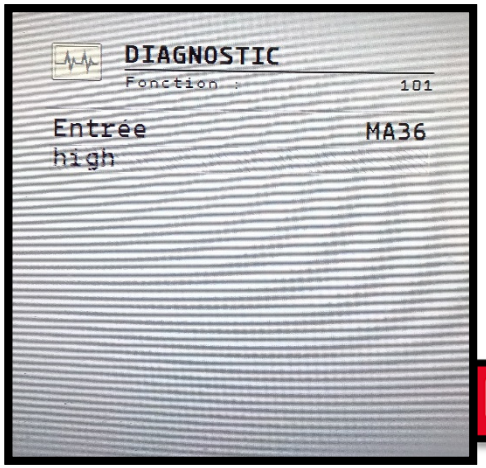


3

Touche 1 : reset to zero
Touche 2 : next page

MA 2 : Empty level sensor of the hopper N°2.

- **Fonction 101**



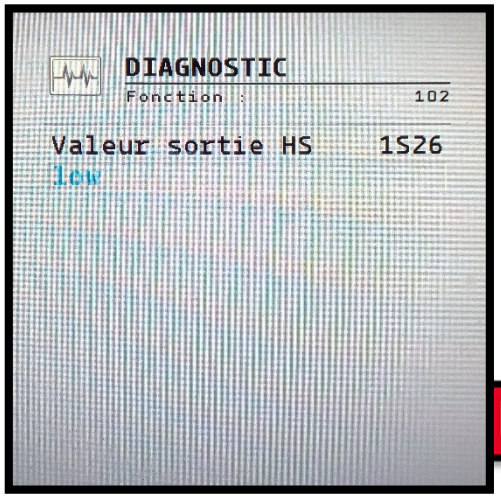
3

Touche 1 : reset to zero
Touche 2 : next page

MA 36 : Low level sensor of the hopper N°2.

16 – Mode diagnostic

- **Fonction 102**

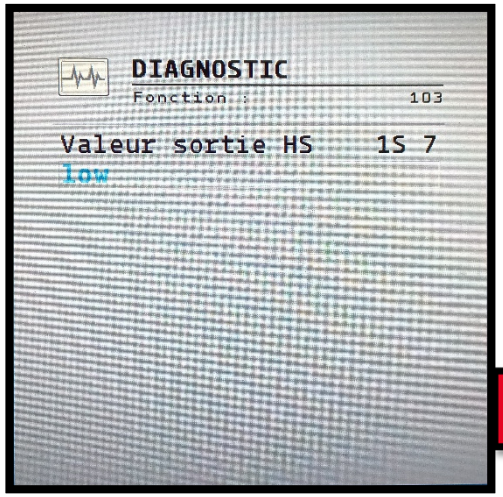


Touche 1 : reset to zero
Touche 2 : next page

1S26 : Beacon 3

ME **3**

- **Fonction 103**



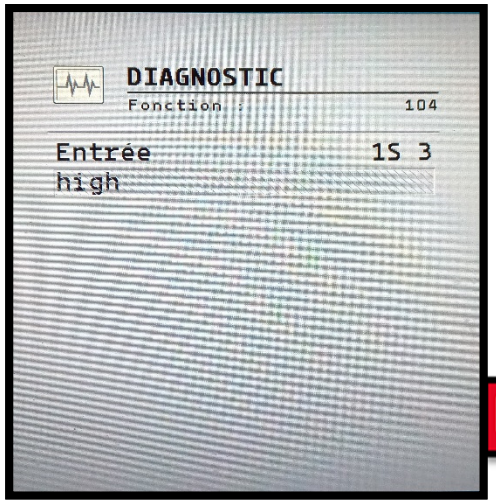
Touche 1 : reset to zero
Touche 2 : next page

1S07 : Working Light 3

ME **3**

16 – Mode diagnostic

- **Fonction 104**



ME **3**

Touche 1 : reset to zero
Touche 2 : next page

1S03 : Empty level sensor of the hopper N°3.

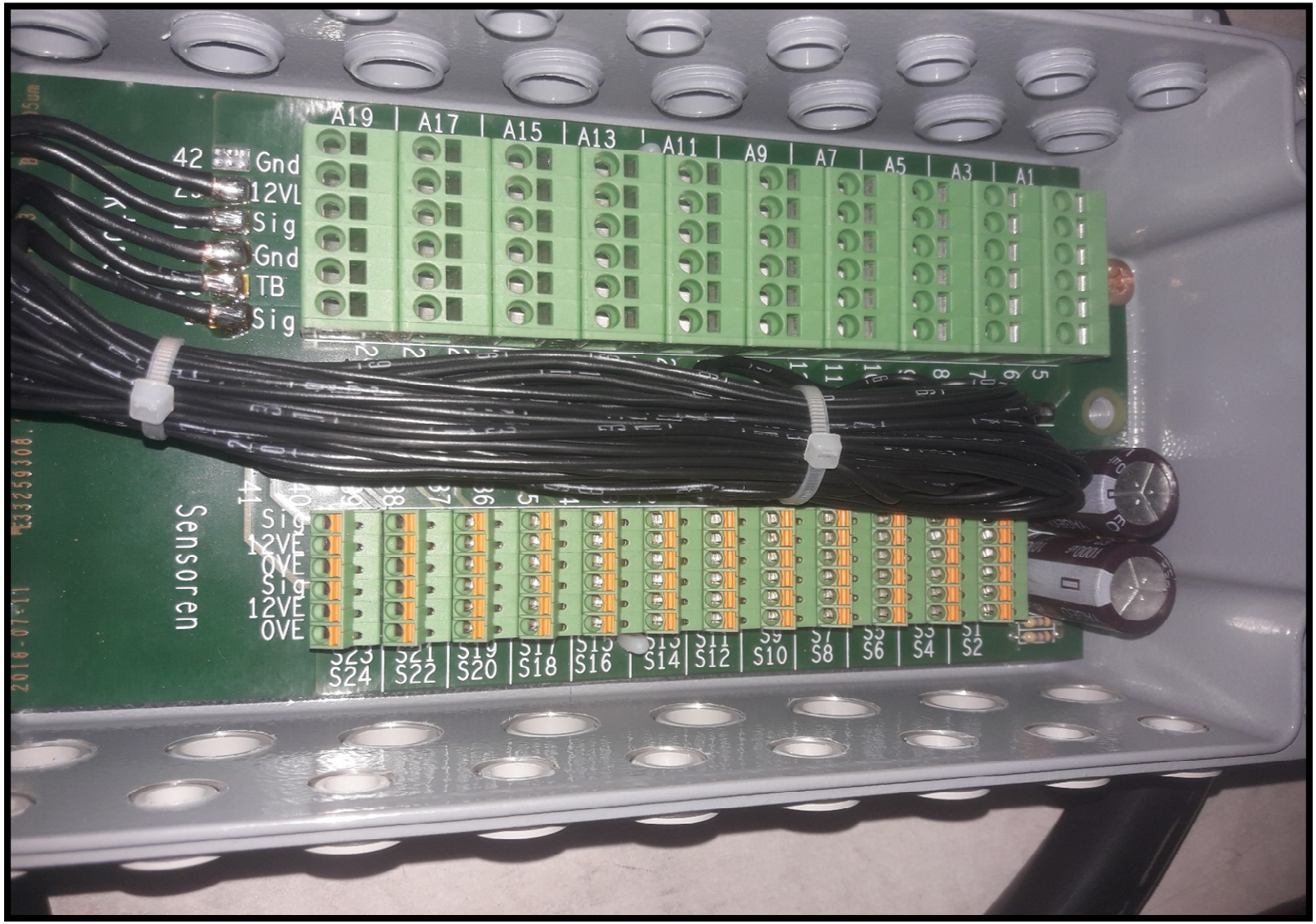
Master	Slave
Hopper N° 1 : Low : S3 / MA37 Empty : S4 / MA3	Hopper N° 3 : Low : S3 / 1S37 Empty : S4 / 1S03
Hopper N° 2 : Low : S1 / MA36 Empty : S2 / MA2	Hopper N° 4 : (Small) Low : S1 / 1S36 Empty : S2 / 1S02

16 – Mode diagnostic

Recap :

Functions		Functions	
0	**MA 15** : Motor 1 **MA 41** : Motor 1	**93**	**MA 34** : Calibration button
1	**MA 28** : Motor 2 **MA 35** : Motor 2	**94**	**MA 3** : Hopper sensor Empty level 1
2	**1S 41** : Motor 3 **1S 15** : Motor 3	**95**	**MA 26** : Rotating light No. 1
3	**1S 35** : Motor 4 **1S 28** : Motor 4	**96**	**MA 27** : Rotating light No. 2
12	**MA 38** : Turbine	**97**	**MA 7** : Working light N°1
16	**MA 30** : Radar (speed camera)	**98**	**MA 5** : Working light N°2
17	**MA 22/23** : Gauge Valve	**99**	**MA 37** : Hopper sensor Low level 1
18	**MA 20/MA 21** : Gauge Valve	**100**	**MA 2** : Hopper sensor Empty level 2
31	**1S 39** : Working position sensor	**101**	**MA 36** : Hopper Sensor Low Level 2
35	**1S 37** : Hopper Sensor Low Level 3	**102**	**1S 26** : Rotating light No. 3
36	**1S 2** : Hopper sensor Empty level 4 (small hopper)	**103**	**1S 7** : Working light N°3
37	**1S 36** : Hopper Sensor Low Level 4 (small hopper)	**104**	**1S 3** : Hopper sensor Empty level 3

17 – Mounting mode = Junction box table



17 – Mounting mode = Junction box table

ECU 1 = Master

ACTIONS

	GNDL = neutre									
	12 VL									
	A 19	A17	A15	A13	A 11	A9	A 7	A 5	A 3	A 1
1 PARTS	Motor 2 A19 & S17* (12v+sig)	Beacon 1		Tramline left	Tramline right				Light 2	Light 1
	GNDL = neutre									
	12 VL									
	A 20	A 18	A 16	A 14	A 12	A 10	A 8	A 6	A 4	A 2
2 PARTS	Motor 2 A20 & S24* (12v+sig)	Beacon 2		Tramline left	Tramline right					

CAPTEURS

S 23	S21	S 19	S 17	S 15	S 13	S 11	S 9	S 7	S 5	S 3	S 1
			Metering drive 1* encoder							Low level sensor hopper 1	Low level sensor hopper2
12 VE											
GNDE = neutre											
S 24	S 22	S 20	S 18	S 16	S 14	S 12	S 10	S 8		S 4	S 2
Metering drive 1 * encoder		Fan speed sensor 1		Calibration switch/ unload switch	Vehicule speed sensor				reserve	Empty level sensor hopper 1	Empty level sensor hopper 2
12 VE											
GNDE = neutre											

17 – Mounting mode = Junction box table

ECU 2 = Slave

ACTIONS

	GNDL = neutre									
	12 VL									
	A 19	A17	A15	A13	A 11	A9	A 7	A 5	A 3	A 1
1 PARTS	Motor 4 A19 & S17* (12v+sig)	Beacon 3							Light 3	
	GNDL = neutre									
	12 VL									
	A 20	A 18	A 16	A 14	A 12	A 10	A 8	A 6	A 4	A 2
2 PARTS	Motor 3 A20 & S24 * (12v + TB) **reverse polarity**									

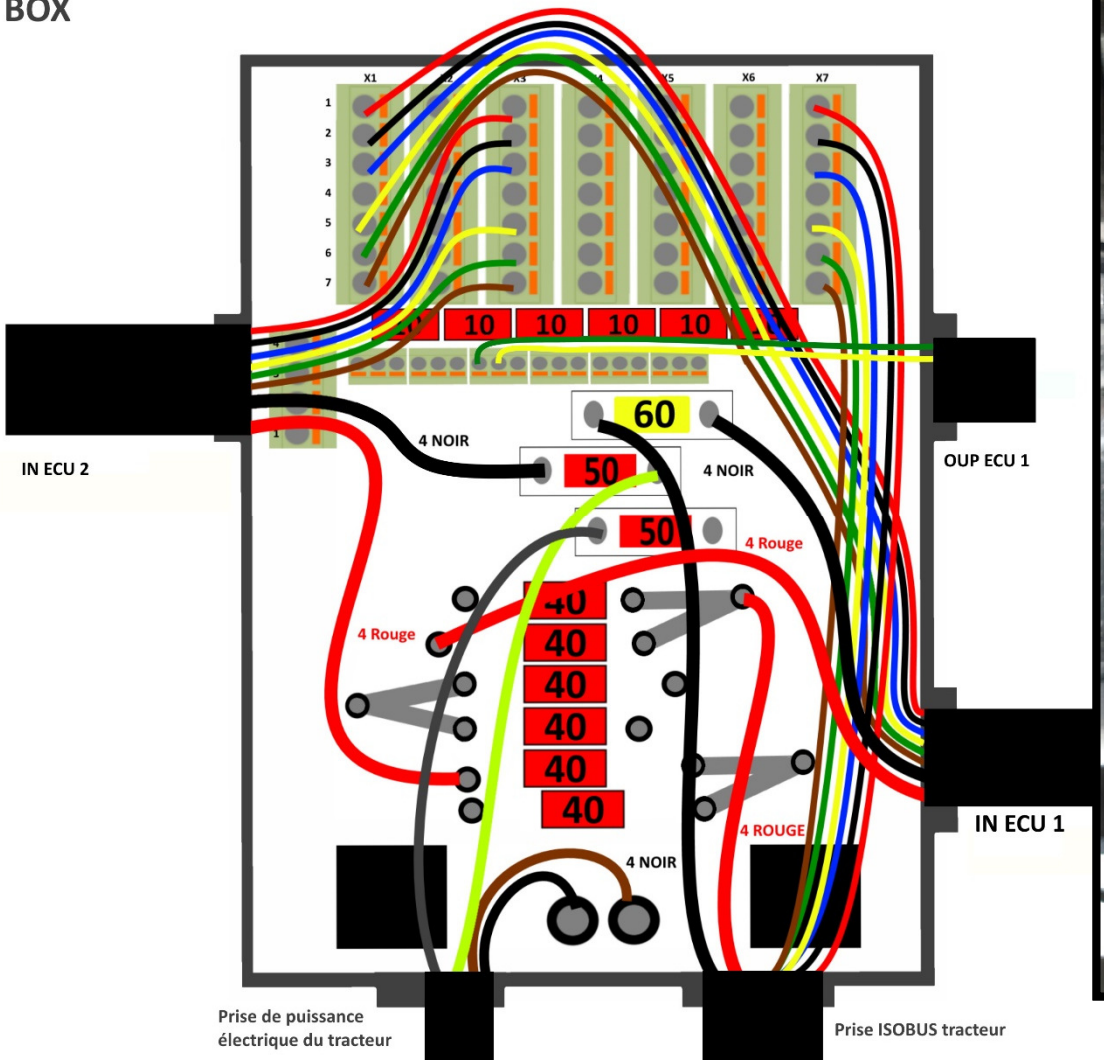
CAPTEURS

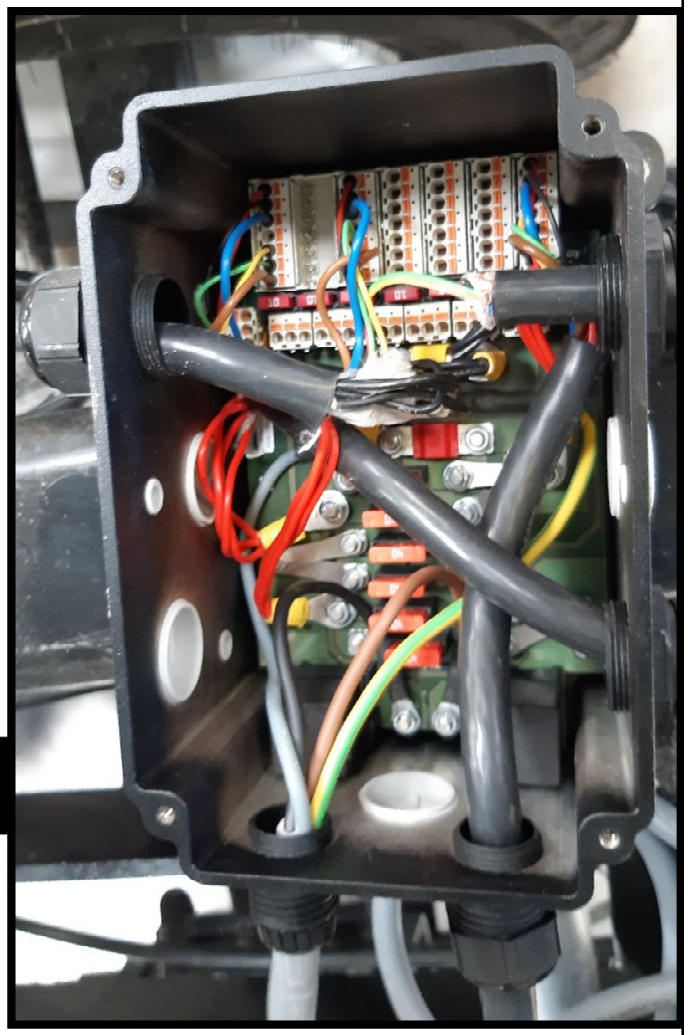
S 23	S21	S 19	S 17	S 15	S 13	S 11	S 9	S 7	S 5	S 3	S 1
	Work position sensor		Metering drive 4* encoder							Low level sensor hopper 3	Low level sensor hopper 4
12 VE											
GNDE = neutre											
S 24	S 22	S 20	S 18	S 16	S 14	S 12	S 10	S 8		S 4	S 2
Metering drive 3 * encoder				Calibration switch/ unload switch					reserve	Empty level sensor hopper 3	Empty level sensor hopper 4
12 VE											
GNDE = neutre											

AGRISEM®

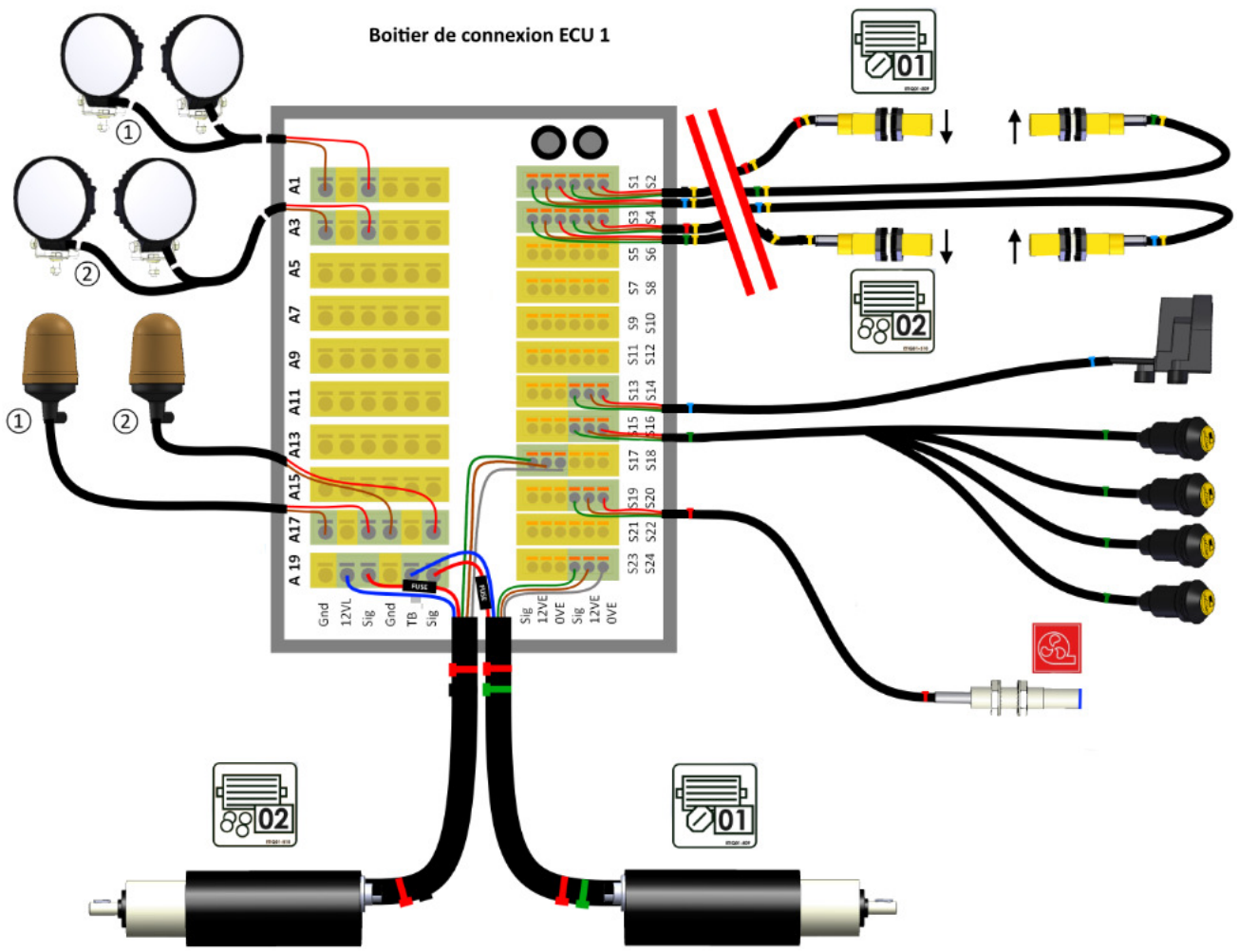
17 – Mounting mode = Junction box table

Power BOX

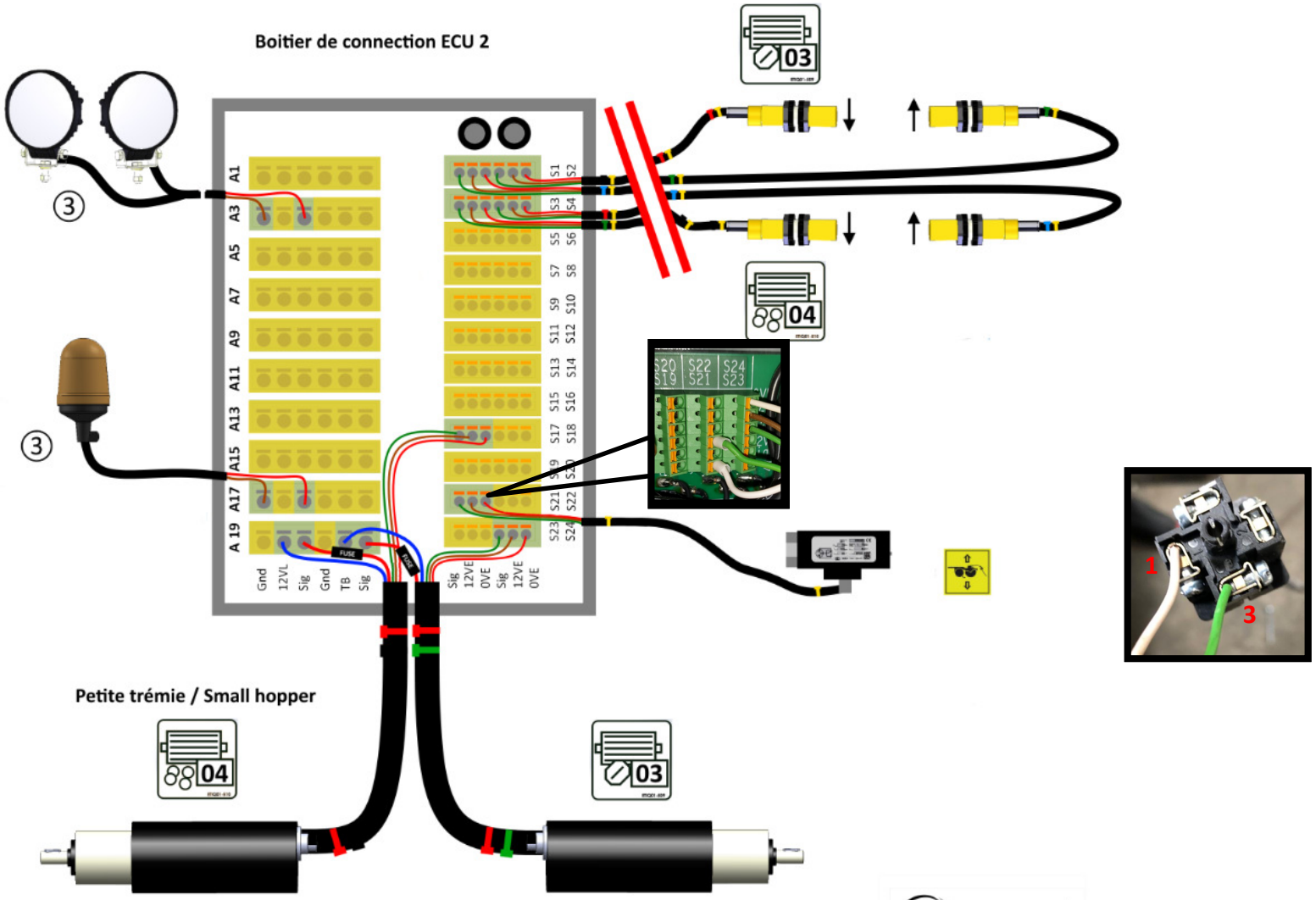




17 – Mounting mode = Junction box table



17 – Mounting mode = Junction box table



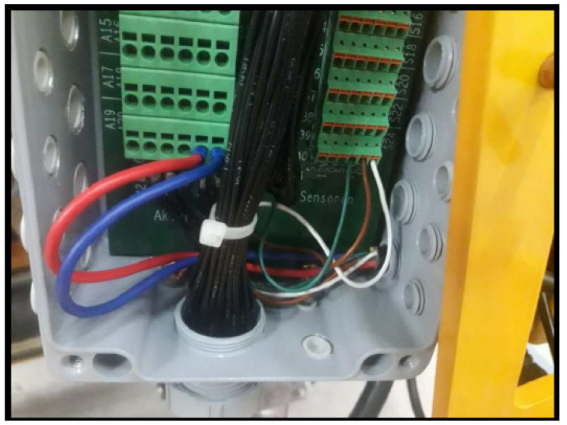
17 – Mounting mode = Junction box table

Couleurs colliers		Désignation
JAUNE		**Work position sensor**
BLEU	ROUGE	**/**
BLEU	NOIR	**/**
JAUNE	VERT	**Hopper high level sensor - Hopper 1 and 3**
JAUNE	BLEU	**Hopper high level sensor - Hopper 2 and 4**
JAUNE	ROUGE	**Hopper low level sensor - Hopper 1 and 3**
JAUNE	NOIR	**Hopper low level sensor - Hopper 2 and 4**
ROUGE		**Turbine speed sensor**
VERT		**Calibration button**
BLEU		**Radar or GPS**
ROUGE	VERT	**Motor 1 and 3**
ROUGE	NOIR	**Motor 2 and 4**
BLANC		**Working lights**

17 – Mounting mode = Junction box table

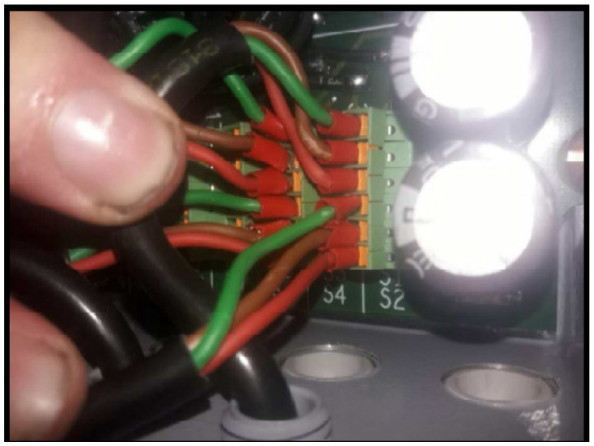
- Take care when connecting the motor wires, they must always be connected in this order:

Colour	Terminal
Red	12VL
Blue	Sig
Green	Sig
Brown	12VE
White	0VE



- The hopper sensors are connected to S1/ S2/ S3 and S4

Colour			Terminal
Black	or	Green	Sig
Brown			12VE
Blue	or	Red	0VE

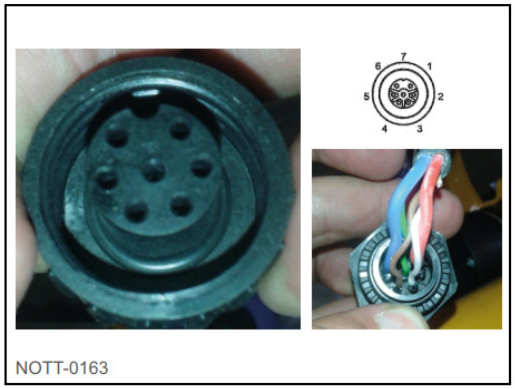


17 – Mounting mode = Junction box table

1 - Turbine sensor position
Dimension to be observed = 44 mm at the end of the sensor on the motor support bracket

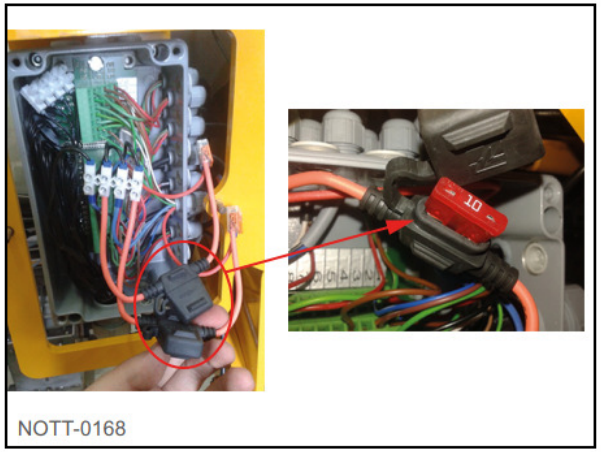
2 - 2 motor harness wiring

1 and 2 = + (blue)
3 = 0 VE (brown)
4 = 12 VE (white)
5 and 6 = - (red)
7 = Signal (green)



NOTT-0163

3 - Check that the 10 A fuse is compliant. This fuse serves to protect the motor.



NOTT-0168

17 – Mounting mode = Junction box table

Message	Possible cause	Remedial solution
Metering drive speed too slow	The current metering drive speed of rotation is lower than the minimum speed.	Stop immediately! Eliminate the cause of the problem.
Metering drive speed too fast	You are travelling too fast. The metering drive cannot operate reliably at your speed of travel.	Travel more slowly or install a larger metering roller.
The metering drive cannot achieve the target rate	You are travelling too fast or too slowly. The target rate cannot be achieved at your current travel speed.	Travel faster or slower for the computer to control the specified application rate.
Metering drive outside adjustment range	The current metering drive speed of rotation is higher or lower than the predefined speed.	Travel slower or faster or install a larger metering roller.
Metering shaft stopped	The metering shaft rotation speed sensor no longer detects any shaft movement.	Stop immediately! Eliminate the cause of the problem.
Turbine too slow	Current turbine speed of rotation is lower than the value of the “Min revs” parameter value.	Increase the turbine speed of rotation or change its “Min rev.” parameter.
Turbine too fast	Current turbine speed of rotation is higher than the value of the “Max revs” parameter value.	Reduce the turbine speed of rotation or change its “Max rev.” parameter.

17 – Mounting mode = Junction box table

The pressure is too high	The pressure of a linear sensor is higher than the value of the “Maximum value” parameter.	Reduce the pressure or change the “Maximum value” parameter.
The pressure is too low	The pressure of a linear sensor is lower than the value of the “Minimum value” parameter.	Increase the pressure or change the “Minimum value” parameter.
Hopper tank level too low	There is too little seed or fertiliser in the hopper.	Fill the hopper.
Empty hopper	There is no seed or fertiliser in the hopper.	Fill the hopper.
Seeding controller error	A error has occurred in the seeding control system.	Check the seeding control system.
Seed flow rate detected	There is a seed flow rate in a tramline.	Check the tramlining system.
No seed flow rate detected	The seeding control system has detected no seed flow rate.	Check the seeding control system.
Input too high	The value input is too high.	Enter a lower value.
Input too low	The value input is too low.	Enter a higher value.
Charger anomaly	The charger alternator is faulty.	Check the charger alternator.
Metering has been stopped as the working position was not achieved. Lift the machine.	The machine is not in the working position.	Lift the machine.