DSF1600/2200

A-Manager

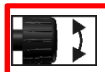
A-Touch

Version Midi 3
(since July 2017)

AGRISEM INTERNATIONAL

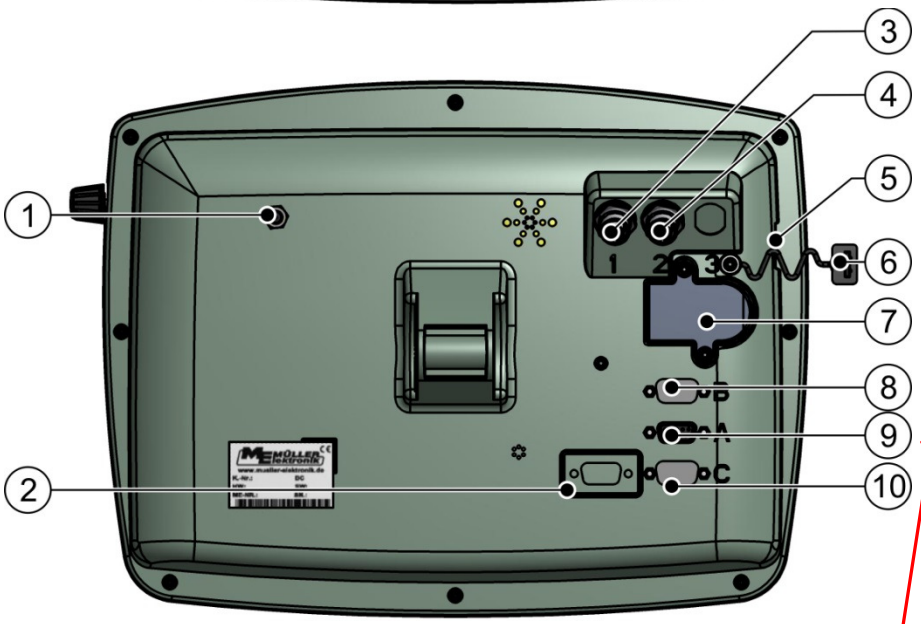
1- Feature of the computer A-Manager

1. Scroll wheel navigation
2. Buttons
3. Fonctional buttons
4. Switch on /off button



Turn the selector switch
- Schift the cursor from up and down
- Change the value of the parameter

Press the selector switch
- Click on the line selected
- Activate the parameter
- Confirm inputting

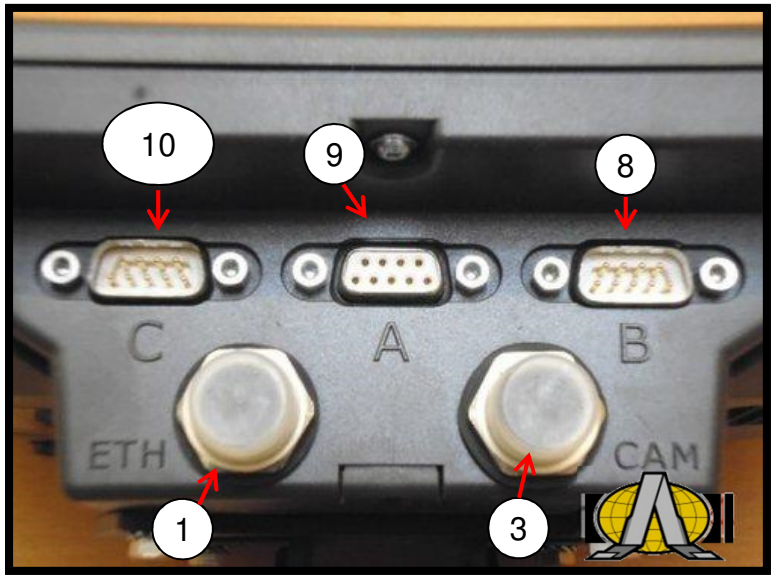


1	**GSM antenna connection** Only in the case of device fitted out with a GSM modem.	6	**Protecting cap for USB port** It protects the USB port from the dust
2	Is not used for the moment	7	**SIM card spot**
3	**Analog camera connection** Only for the case of device fitted out with a GSM modem. Art – 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

1- A touch compture feature

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



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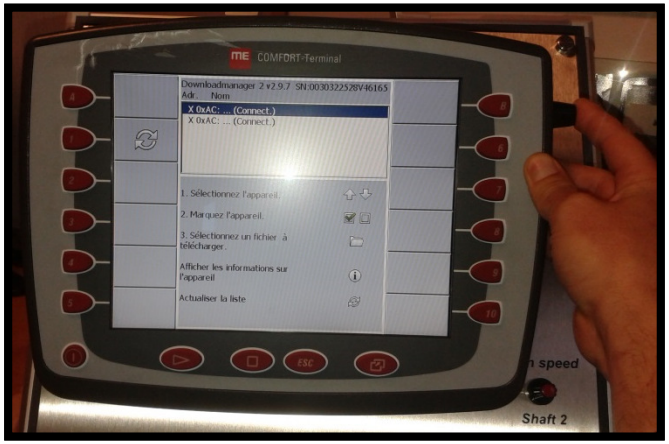
Option

2- A Manager Updating

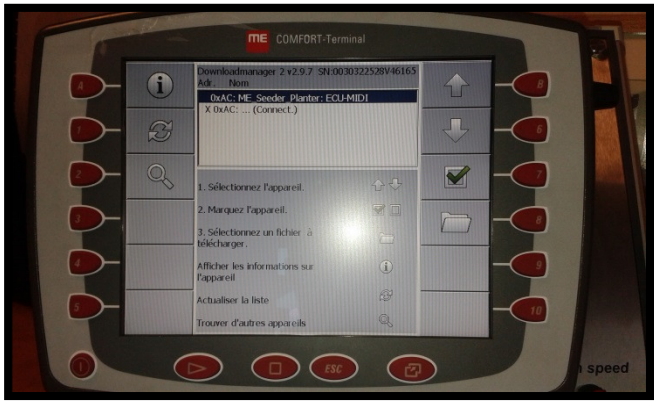
1 – Insert the USB stick, monitor off

Ps: The USB stick has to only get the updated file

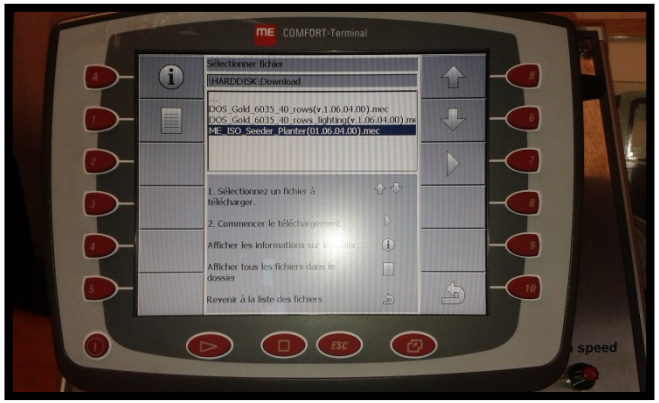
2 – Press the scroll wheel top right or touch B and switch on the monitor; the screen appears after a few seconds.



3 – Press the button 8 to enter in the file



4 – Select the setup of seeder expected and press the button 7



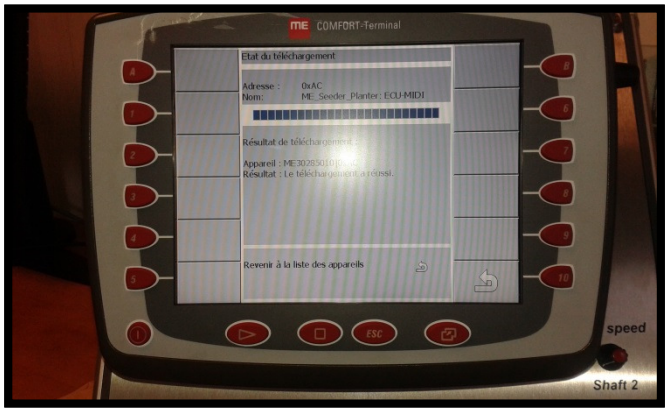
2- A Manager Updating

5 – Select the file according to the number of motors

For 1 motor, select line :
DSF 1P 1D.mec

For 2 motors, select line :
DSF 2P 2D light .mec

6 – Press touch 10 when the updating is made and, restart the monitor



2- A Touch Updating

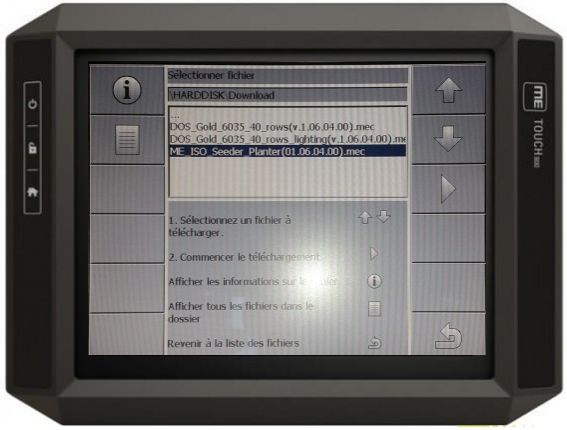
1 – Insert the USB stick, monitor off

Ps: The USB stick has to only get the updated file

2 – Press the button start, the screen appears after a few seconds

3 – Press the icon of the file to enter the seeder file

4 – Select the setup of seeder expected and press the line expected.



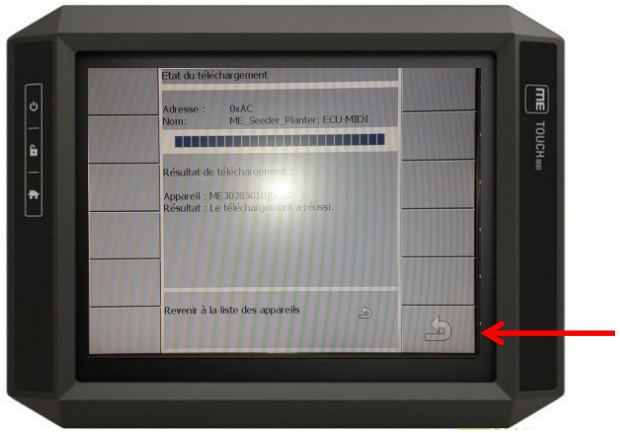
2- A Touch Updating

5 – Select the file according to the number of motors

For 1 motor, select line :
DSF 1P 1D.mec

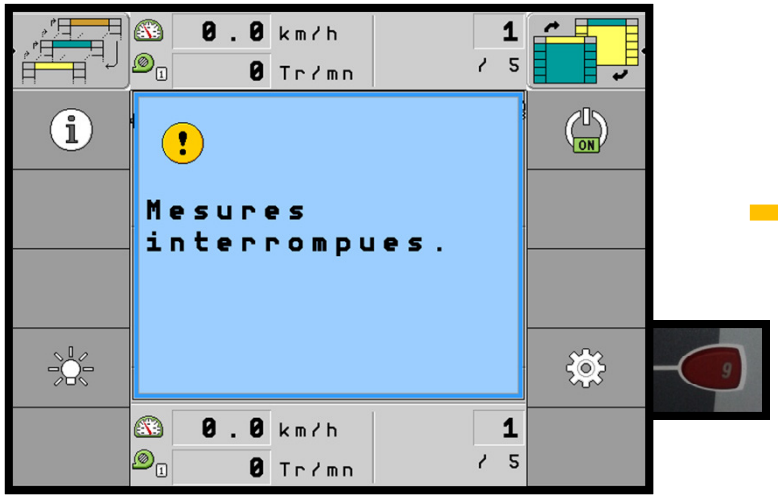
For 2 motors, select line :
DSF 2P 2D light .mec

6 – Press touch back when the updating is made and, restart the monitor

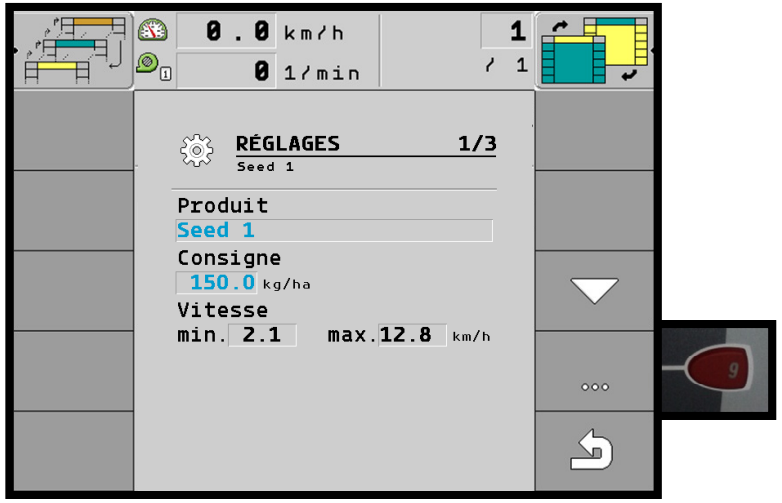


3 – Factory setup : 1 motor

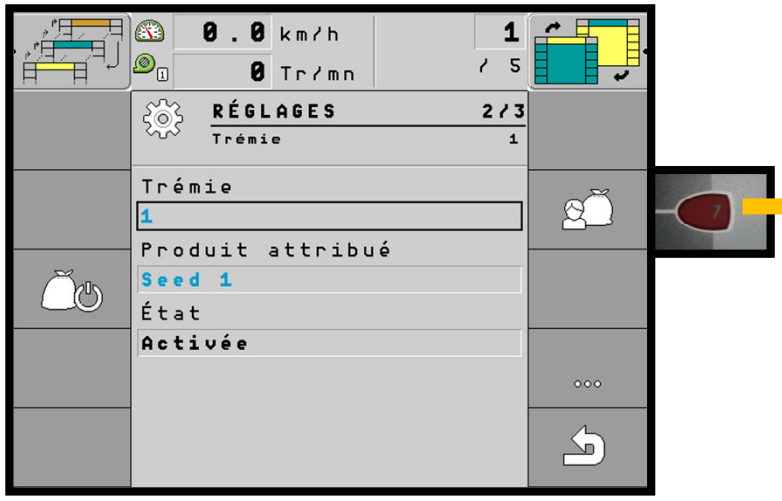
1 – On homepage , press button 9



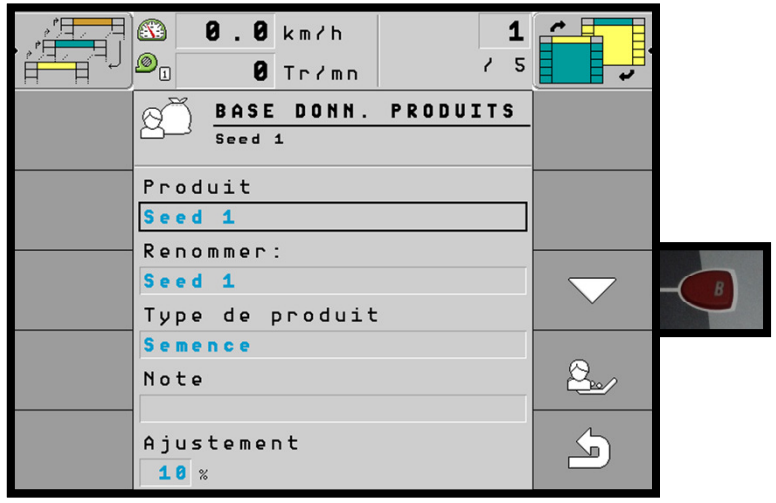
2 – Press again button 9. (Configurate 150K/ha)



3 – Press button 7



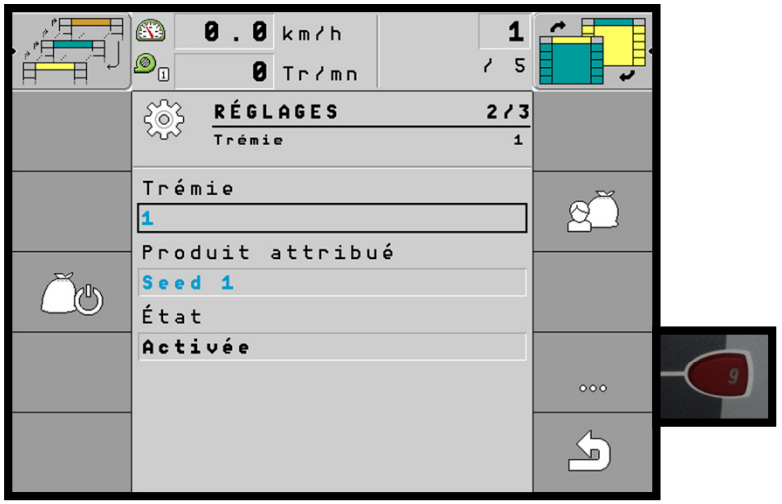
4 –Press button 8



3 - Factory setup : 1 motor

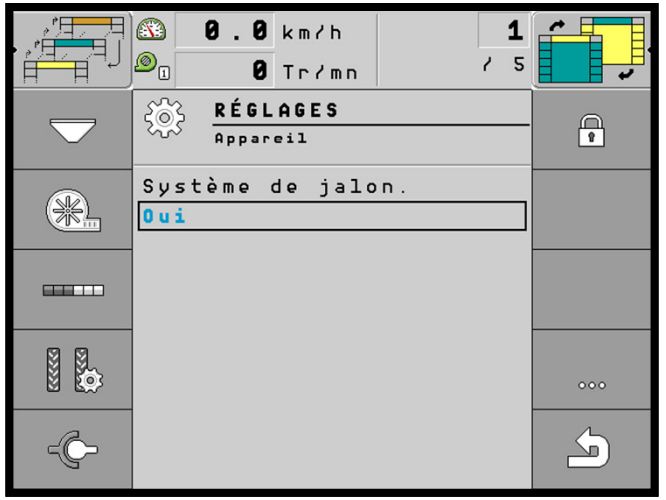
5 – Adjust 4500 Tr/mn with + or -25% tolerated. Then, press the button 10 (step back)

6 – Press button 9 a new time



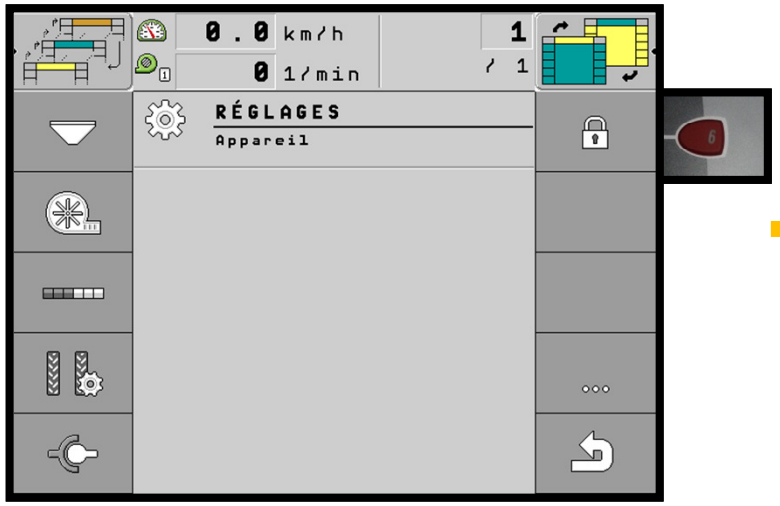
7 – Press button 1

8 – Select yes, in case of mark out, Select no, if not.

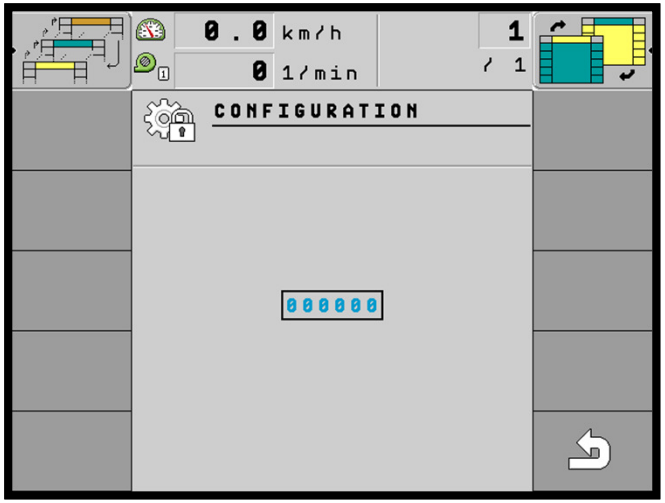


3 - Factory setup : 1 motor

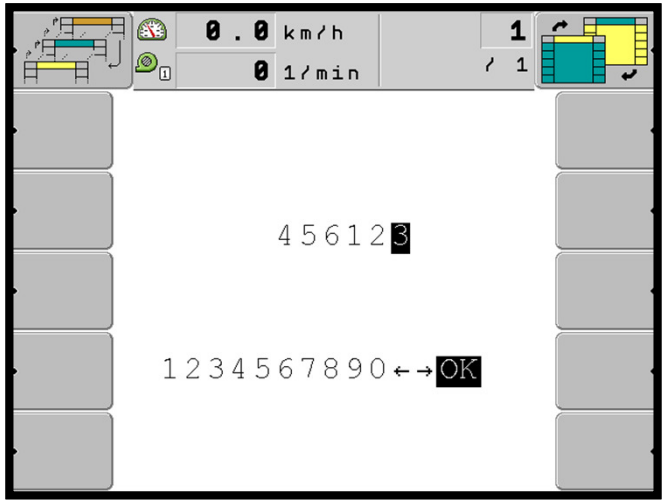
9 – Press button 6



10 – Press the scroll wheel



11 – On this screen, select, with the scroll wheel, the number and press to the next



12 – Press button 8

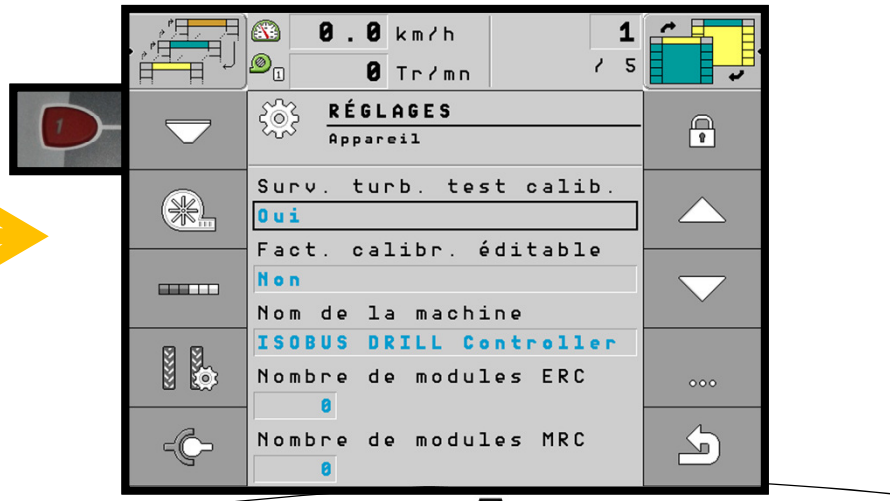
3 - Factory setup : 1 motor (for checking)

13 – Select the options of the machine, with the sroll wheel, and press button 8

14 Select the options of the machine, with the sroll wheel, and press button 8

15 – Select the options of the machine, with the scroll wheel, and press button 8

16 - Select the options of the machine, with the sroll wheel, and press button 1



3 - Factory setup : 1 motor (for checking)

17 – Check if the hopper sensors are working well. Then press the button 2

INFORMATION

High level sensor :

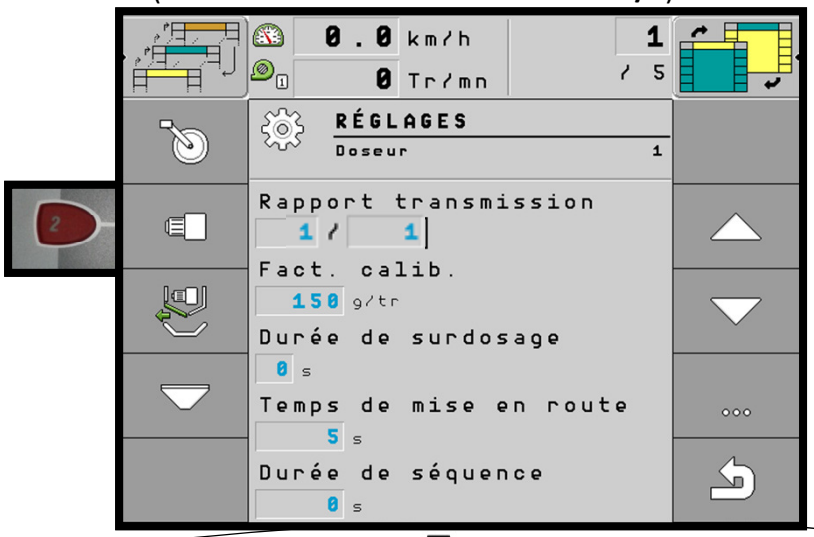
- Gather both sensors of each levels on the electronic base. Refer to the connected board.

Low level sensor :

- Always on **1**

18 – Check the informations and press the button 8

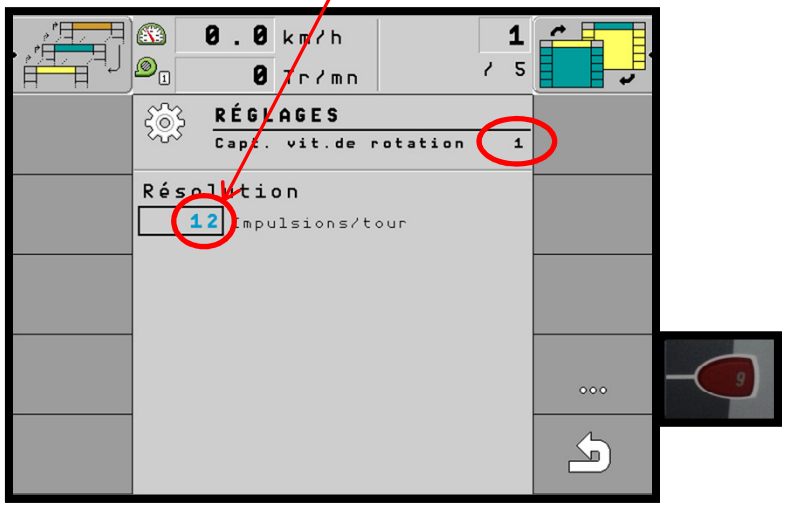
19 – Check the informations using the scroll wheel and press the button 2.
(the ratio of the measure has to be **1/1**)



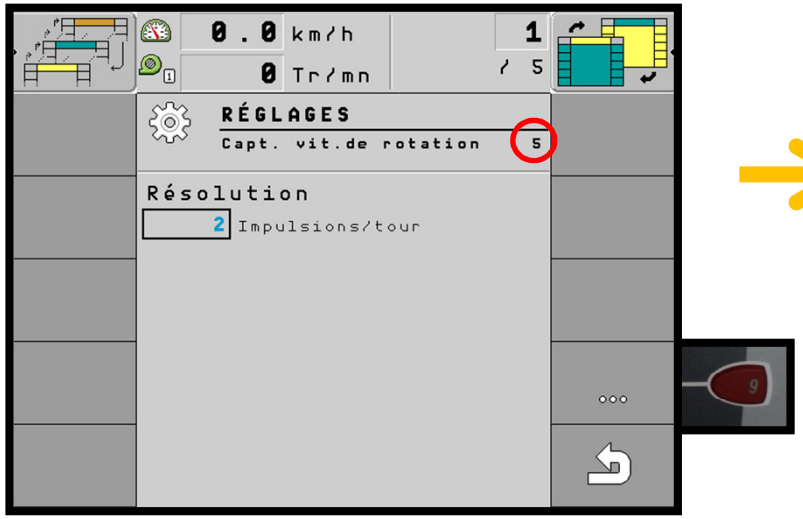
3 - Factory setup : 1 motor (for checking)

20 – Check the value of the motor and the ratio, or modify, and press button 1

21 – Check the value of 12 impulsions on the sensor 1 and 2 using the button 9



22 – Press the button 9 to have the sensor 5 Check the value of 2 impulsions.



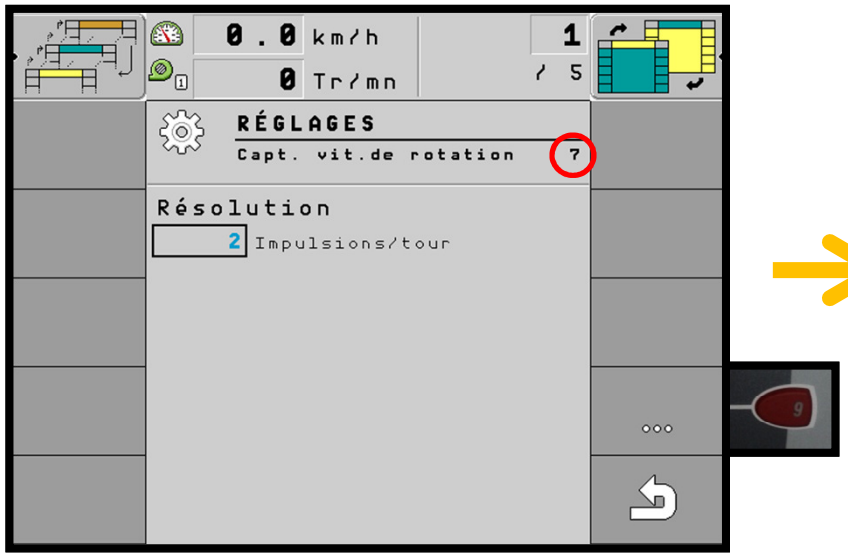
INFORMATION

Sensor 5:

This one is the turbine's sensor, there are 2 magnets on the turbine. Look out, there is a sens of assembly with the position of the magnets. Ensure to test the magnets before assembling the turbine,

3 - Factory setup : 1 motor (for checking)

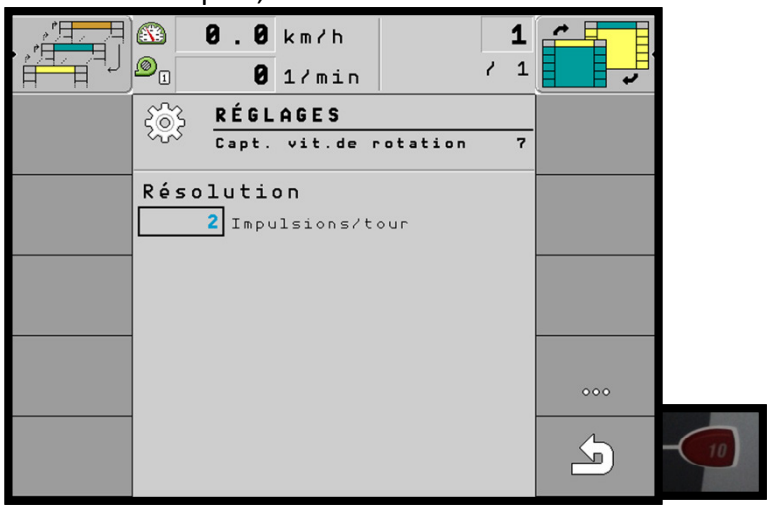
23 – Press the button 9 to have the sensor 7



Sensor 7 et 8:

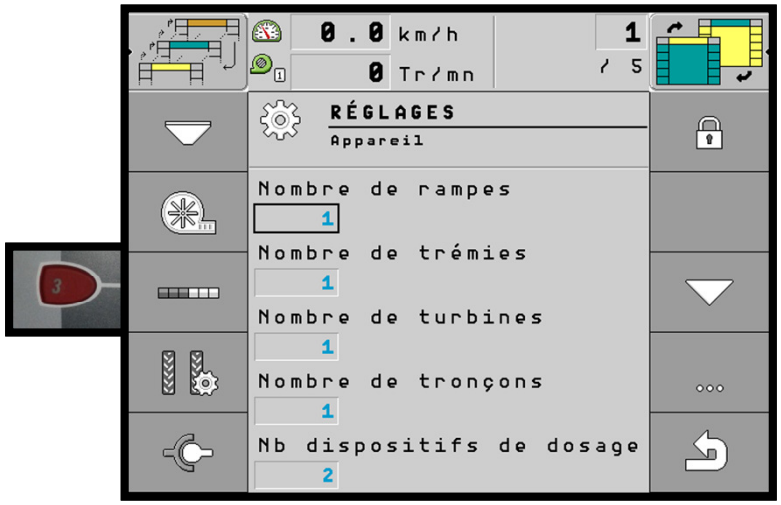
These one are the sensor of the layout rotation, there are 2 magnets on the coding wheel.

24 – Press the button 10, several times to reach the step 24,



3 - Factory setup : 1 motor (for checking)

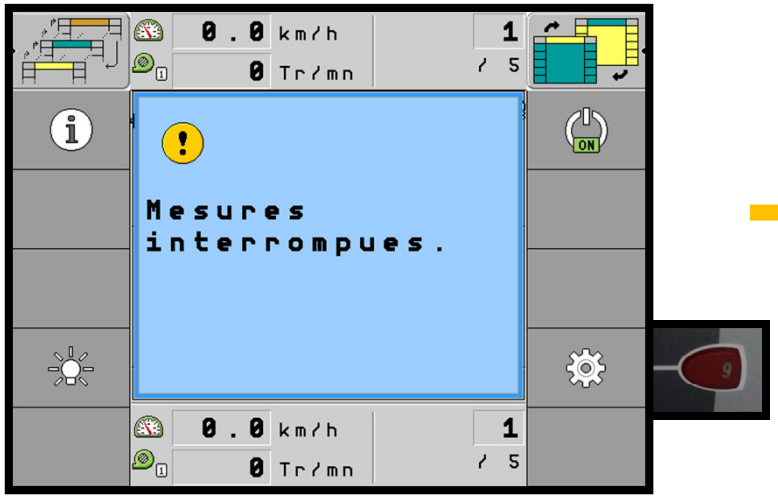
25 – Press the button 3 to adjust the working width



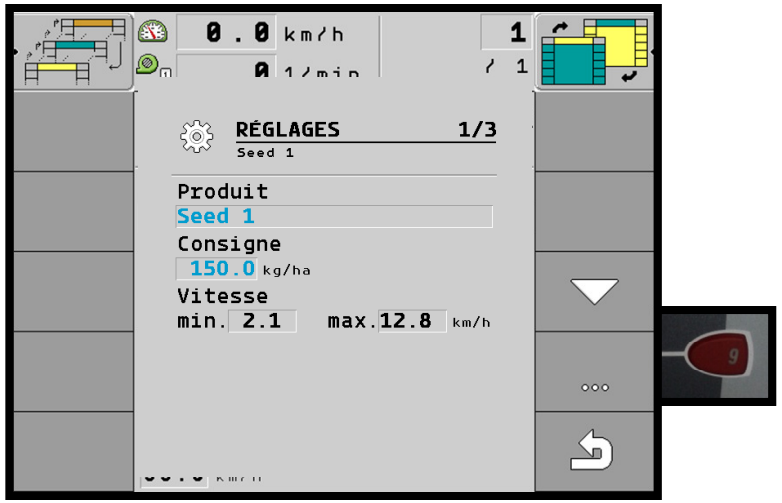
26 – By default, set the tool's width at **6000mm**, with the scroll wheel. Leave the programm and restart the monitor.

3 - Factory setup : 2 motors

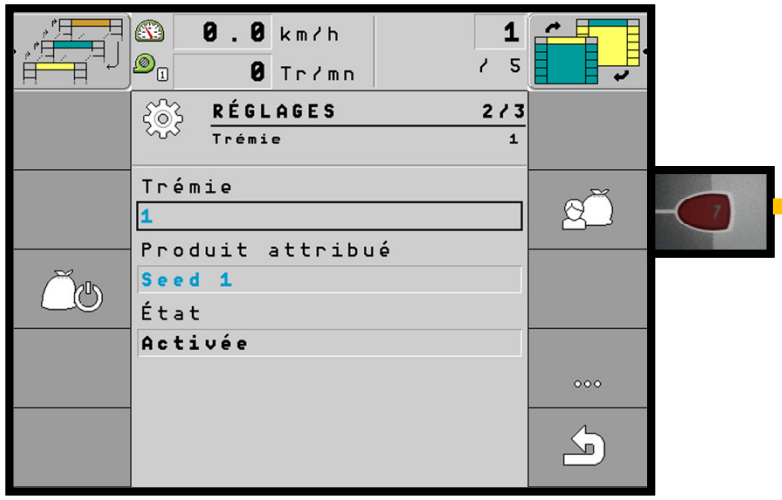
1 – On the homepage, press the button 9



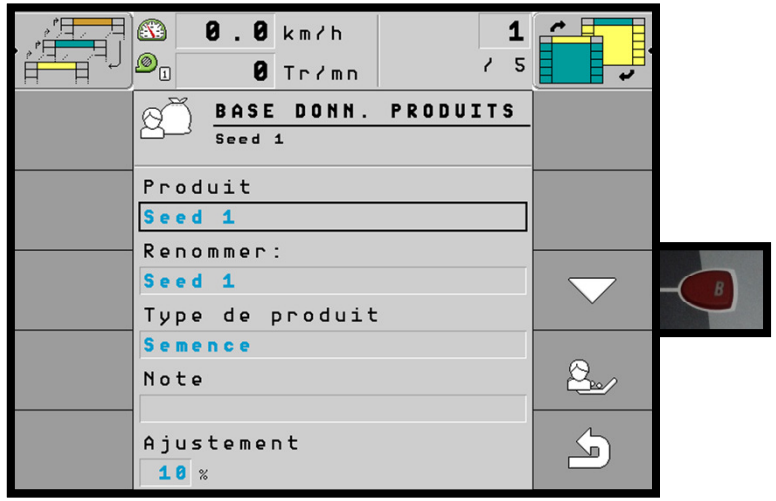
2 – Press again button 9
(Configurate at 150K/ha)



3 – Press the button 7

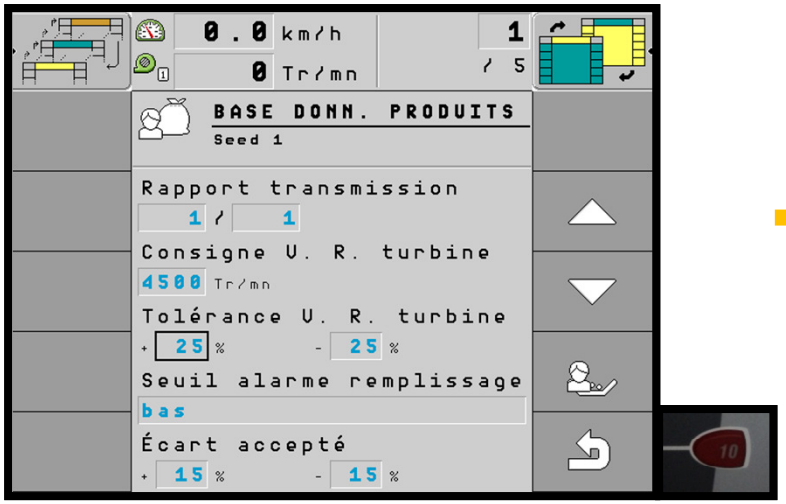


4 –Press the button 8

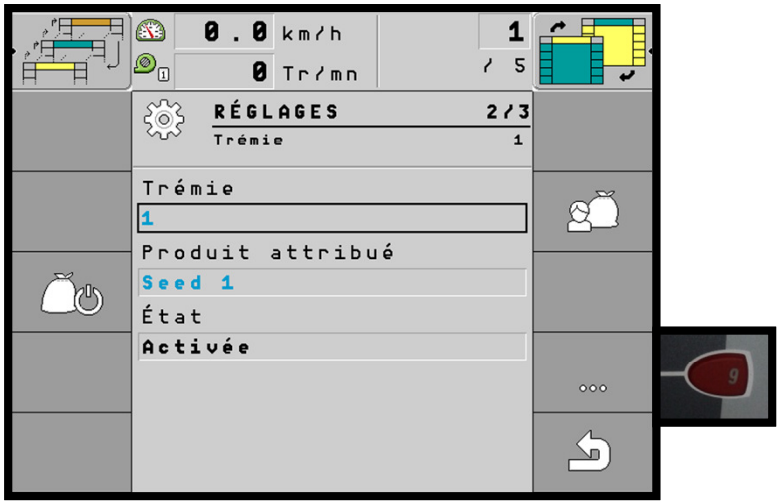


3 - Factory setup : 2 motors

5 – Adjust 4500 Tr/mn with + or -25% tolerated. Then, press the button 10 (step back)

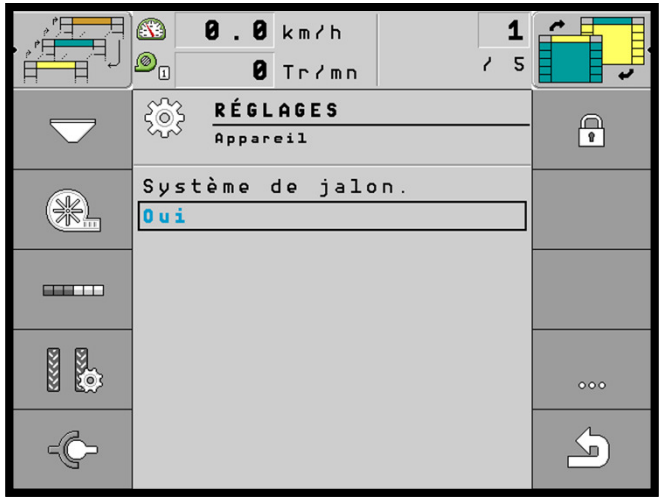


6 – Press the button 9 a new time.



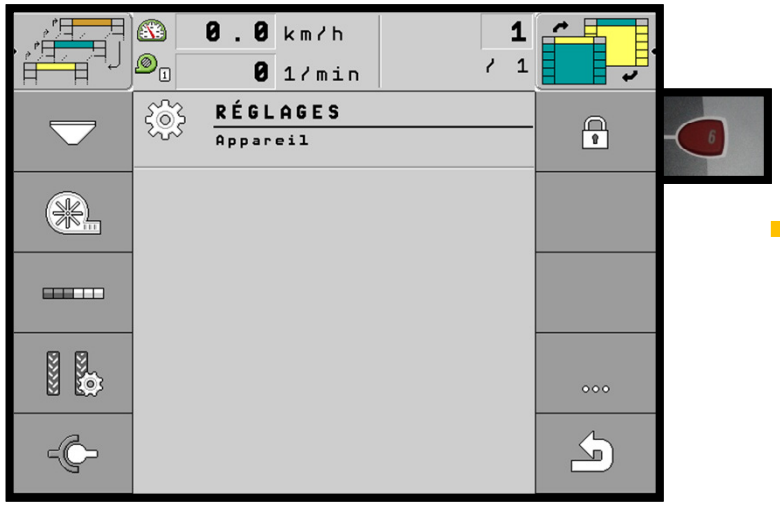
7 – Press button 1

8 – Select yes, if mark out, Select no, if not.

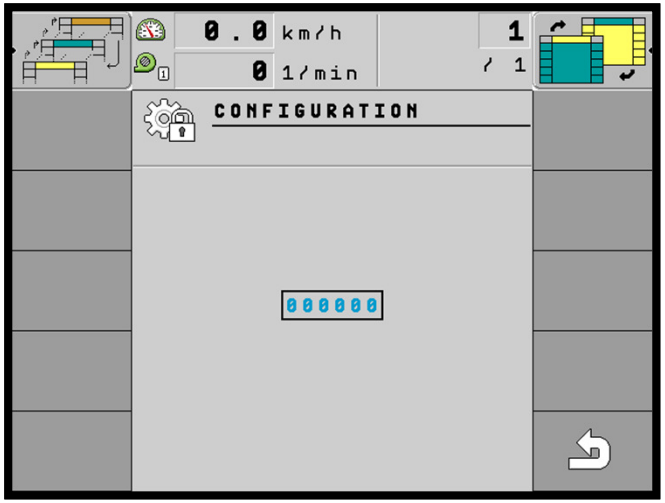


4 - Factory setup : 2 motors

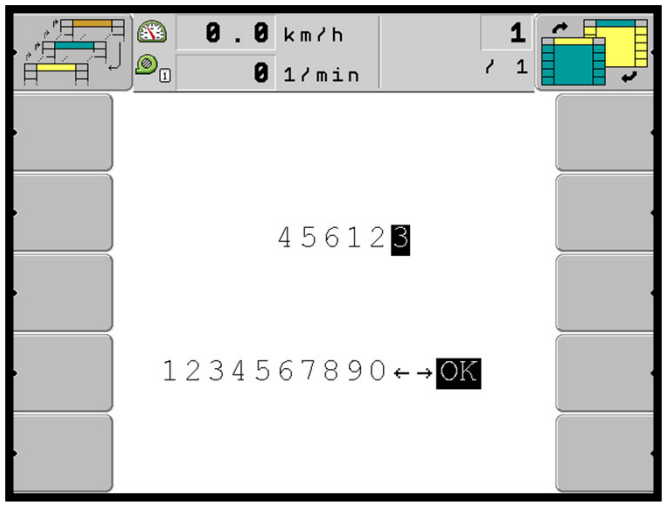
5 – Press the button 6



6 – Press the scroll wheel



7 – On this screen, select, with the scroll whell avec the number and press for the next step



8 – Press the button 8

4 - Factory setup : 2 motors (for checking)

9 – Check the option of the machine, with the scroll wheel and press button 8

10 – Check the options of the machine with the scroll wheel and press button 8

11 – Check the options of the machine with the scroll wheel then press buttom 8

12 – Check the option of the machine with the scroll wheel and press button 8

4 Factory setup : 2 motors (for checking)

13 – Check the option of the machine with the scroll wheel and press the button 1

INFORMATION

<u>To check the turbine :</u>

- Select NO to make the turbine working with the flow test.

14 – Select the option of the machine with the scroll wheel, and press button 9 for the second hopper

INFORMATION

<u>Hopper 1</u>

<u>High level sensor :</u>
- Choose **No** if 1 sensor
- Choose **2** if 2 sensors

<u>Low level sensor :</u>
- Always on **1**

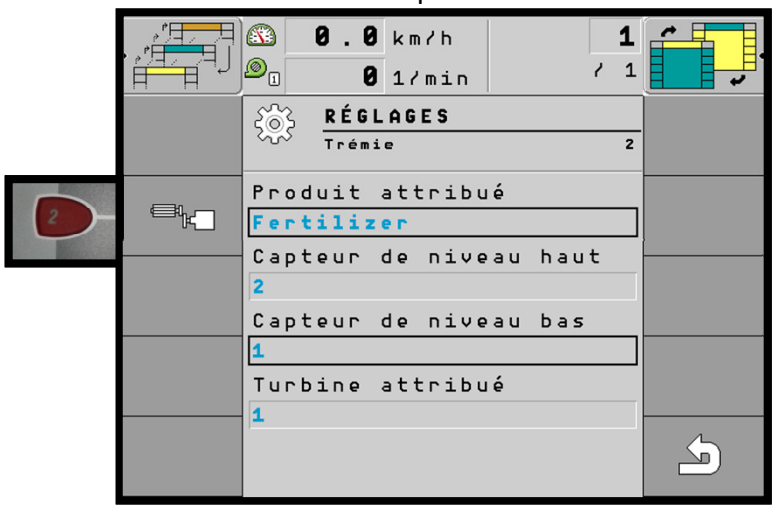
<u>Hopper 2</u>

<u>High level sensor :</u>
- Choose No if 1 sensor
- Choose **4** if 2 sensors

<u>Low level sensor :</u>
- Always on **3**

4 - Factory setup : 2 motors (for checking)

15 – Select the options of the machine with the scroll wheel and press button 2



INFORMATION

Hopper 1

High level sensor :
- Choose **No** if 1 sensor
- Choose **2** if 2 sensors

Low level sensor :
- Always on **1**

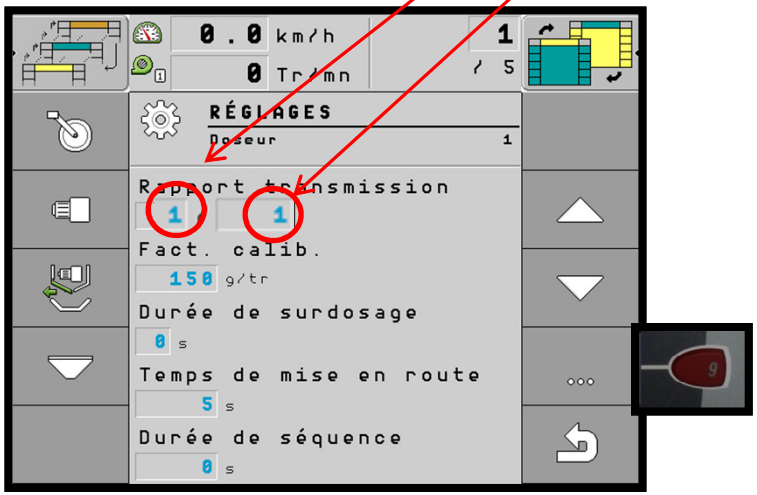
Hopper 2

High level sensor :
- Choose No if 1 sensor
- Choose **4** if 2 sensors

Low level sensor :
- Always on **3**

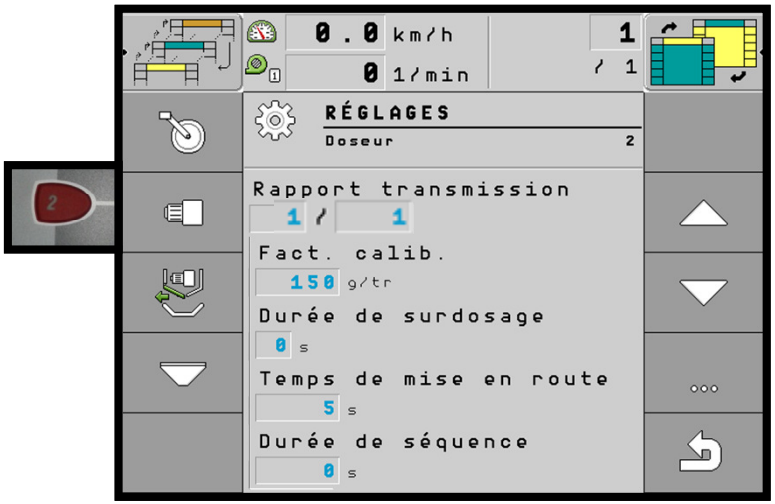
16 – Select the options of the machine with the scroll wheel for hopper 1 and 2 with the button 9 and then button 8

17 – Check the drive shaft ratio 1 / 1 using the scroll wheel for hoppers 1 and 2

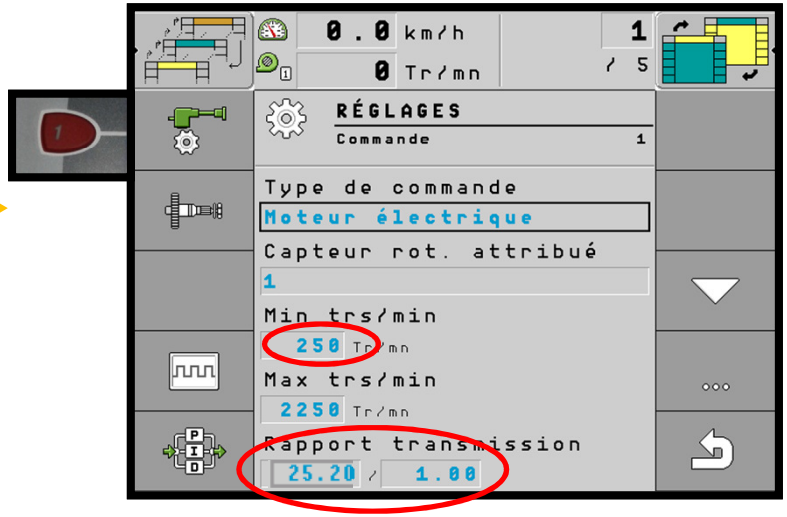


4 - Factory setup : 2 motors (for checking)

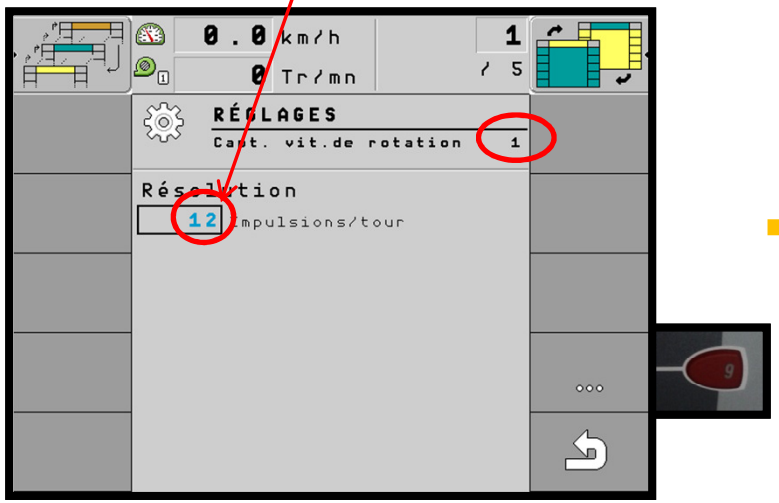
18 –Press button 2



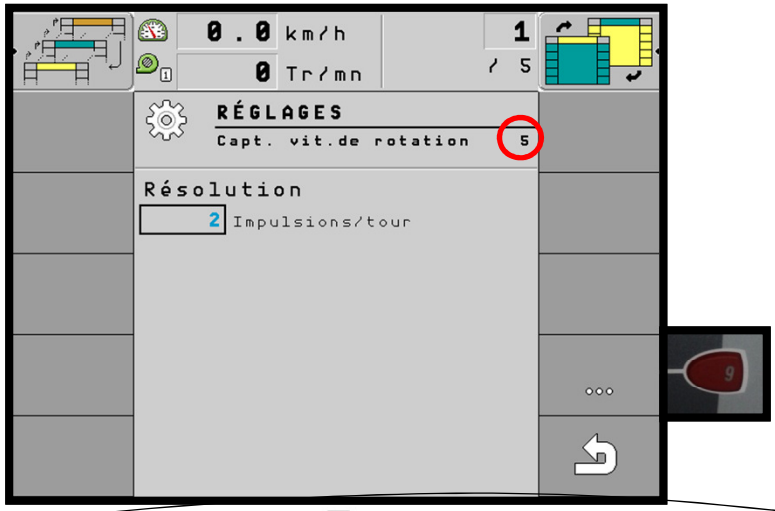
19 – Check the values of the motor , or change, and press button 1



20 – Check the value 12 impulsions on the sensor 1 and 2 pressing the button 9

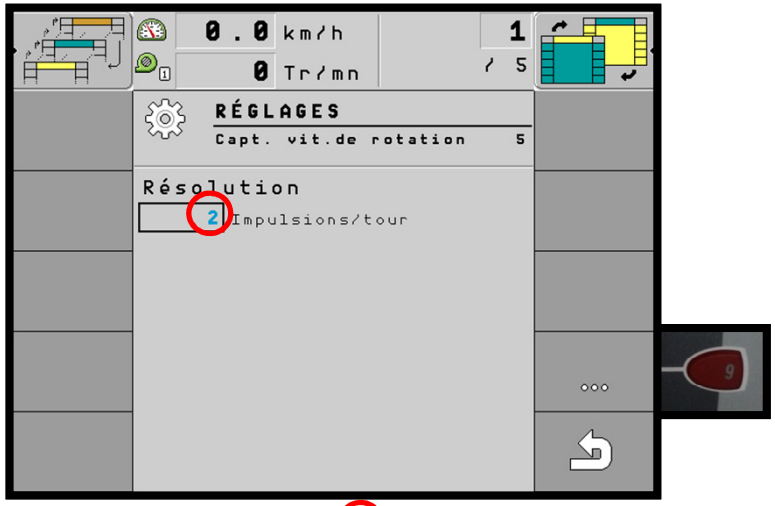


21 – Press the button 9 to have sensor 5

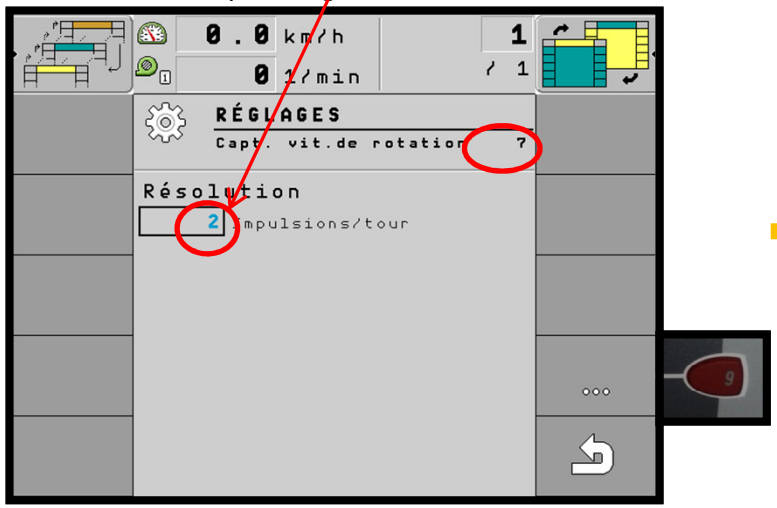


4 - Factory setup : 2 motors (for checking)

22 – Check the value of 2 and press button 9 to get sensor 7



23 – Check the value of 2 impulsions on sensors 7 et 8 pressing button 9

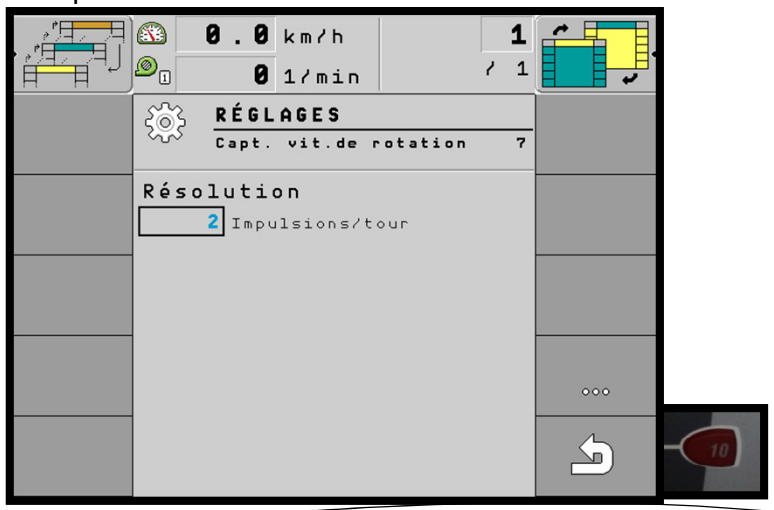


INFORMATION

Sensor 5:

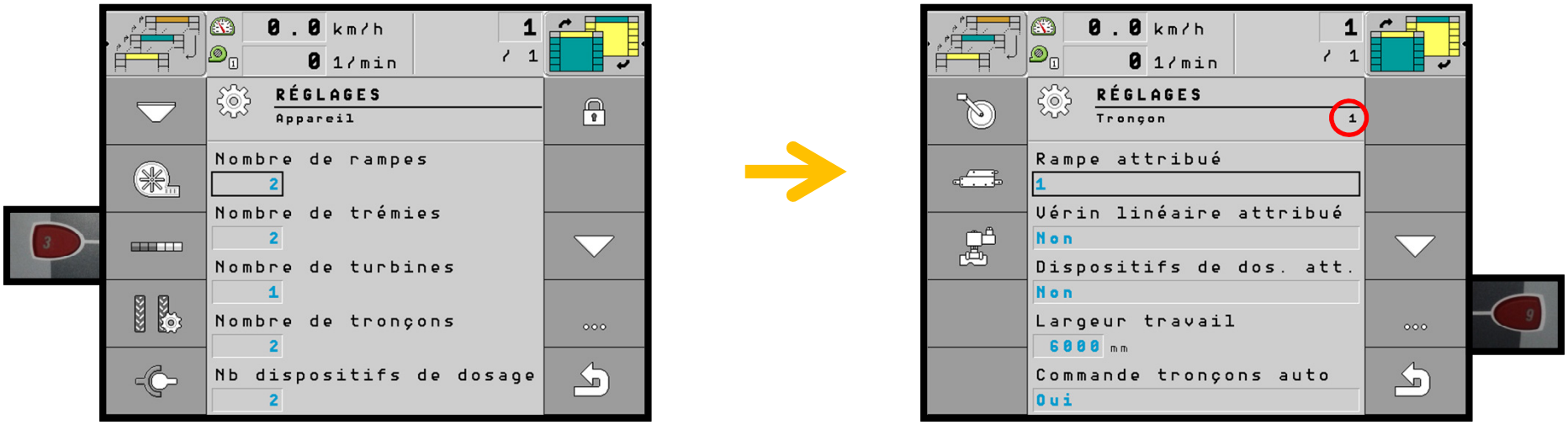
This one is the turbine's sensor, there are 2 magnets on the turbine. Look out, there is a sens of assembly with the position of the magnets. Ensure to test the magnets before assembling the turbine,

24 – Press button 10 several times to reach step 25



4 - Factory setup : 2 motors (for checking)

25 –Press the button 3 to adjust the working width

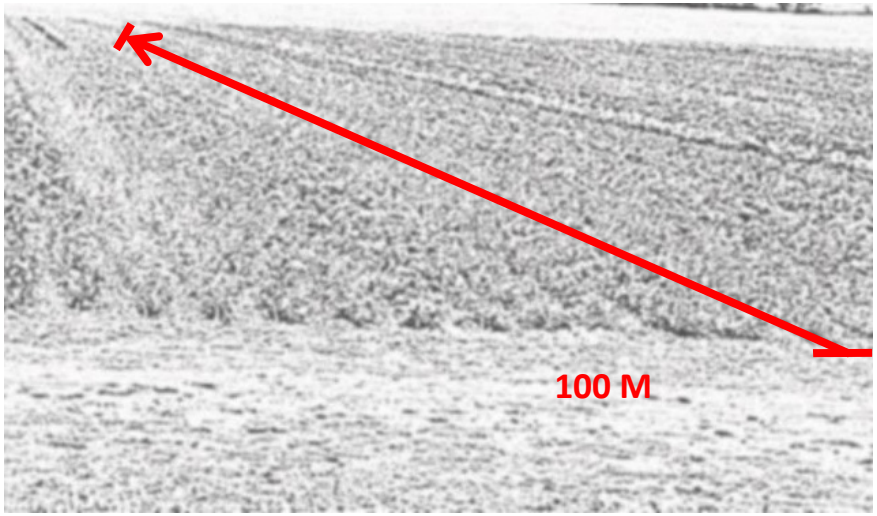


26 – Set the width of the tool , with the scroll wheel for section 1 and 2 (button 9 to change) and restart the monitor.

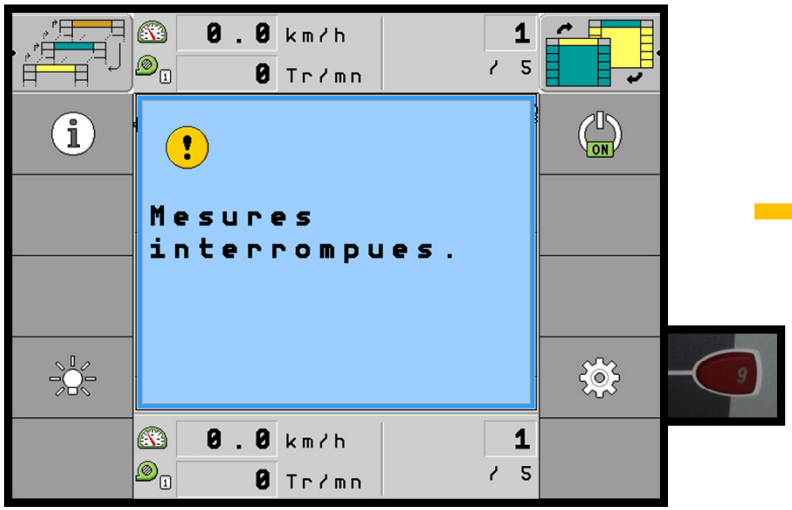
5- User setup

Calibration of the radar

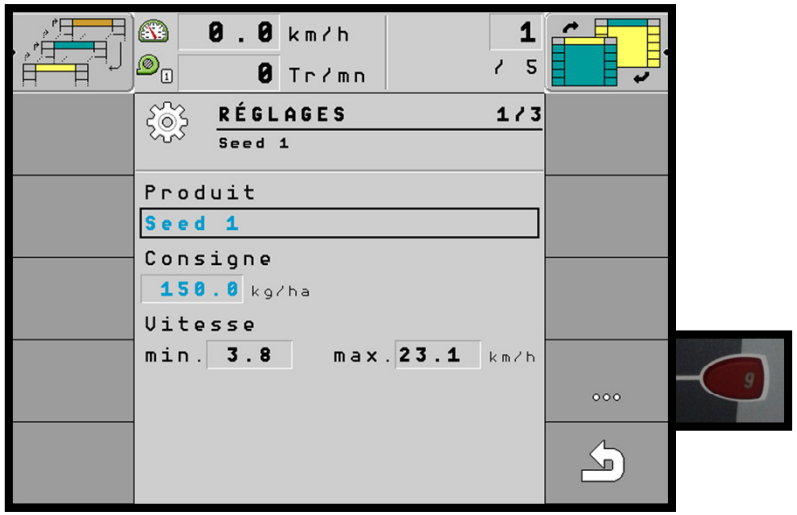
1 - To calibrate the radar, you need to trace 100 m precisely in the field.
2 – Put the machine in working position



3 – Switch on the cumputer and press button 9

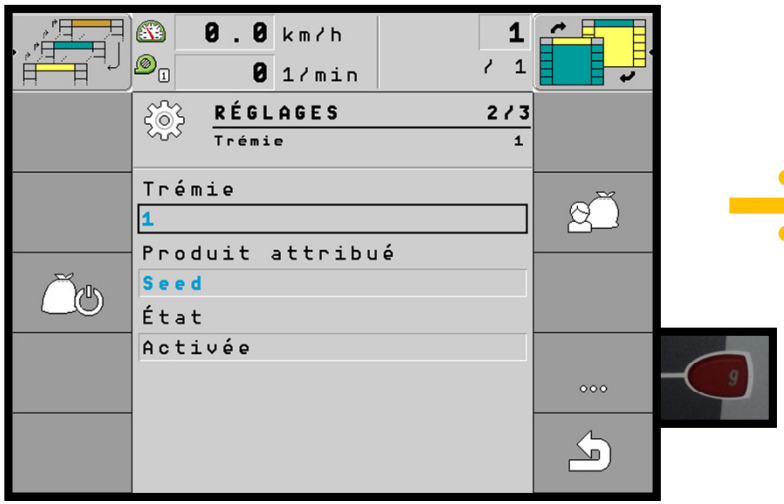


4 – Press again button 9



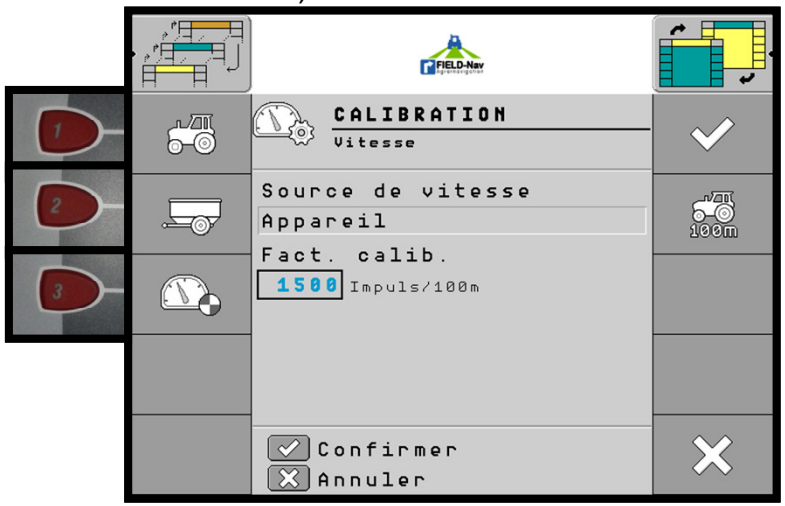
5- User setup

5 – Press a new time on button 9

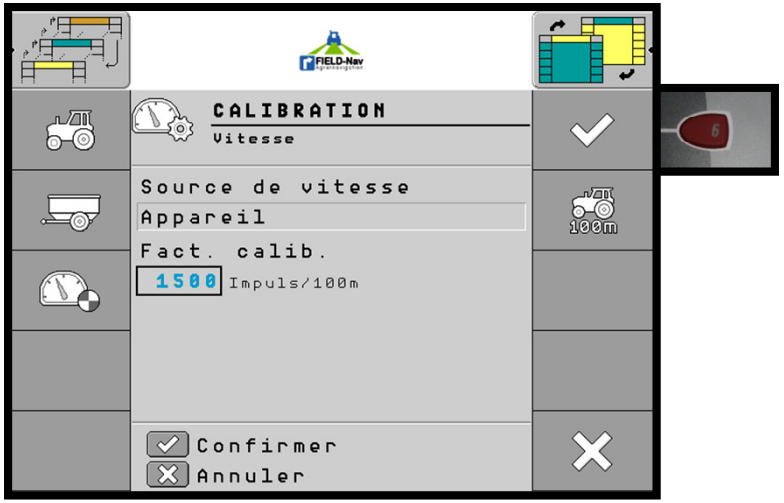


6 – And then press the button 2

7 – Choose the speed
- Button 1, tractor
- Button 2, Radar (choose this button)
- Button 3, simulation



8 – Validate with the button 6



5- User setup

9 – Press, now, the button 2

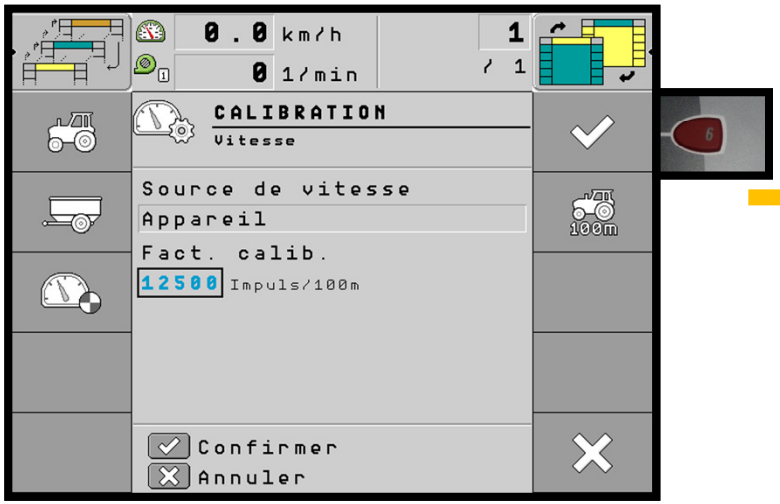
10 – Then, press the button 7

11 – Press the button 8

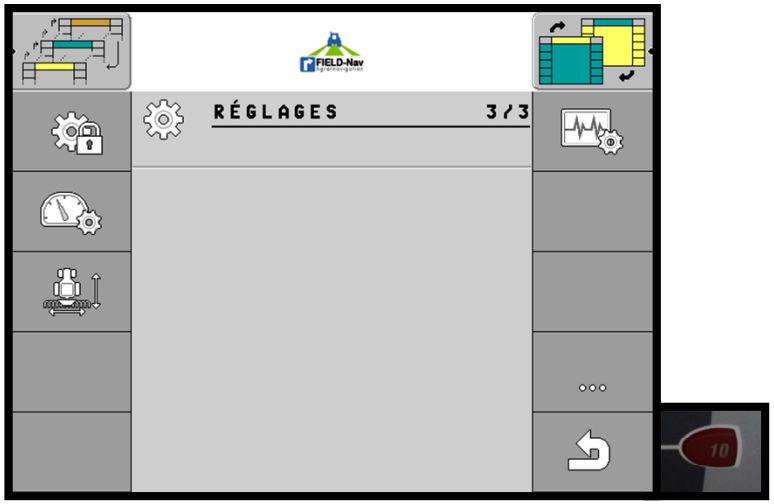
12 – Press the button 8 and drive100 m with the tractor

5- User setup

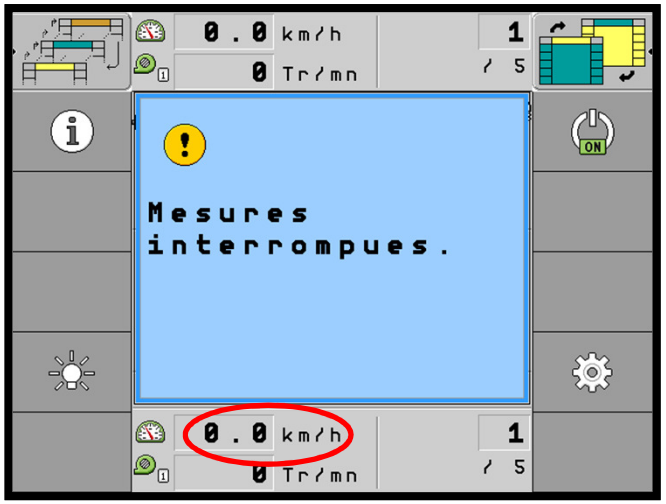
13 – Press, now, the button 6 to validate



14 – The monitor comes back to this page, Press the button 10



15 – On the homepage, check the speed with the speed of the tractor



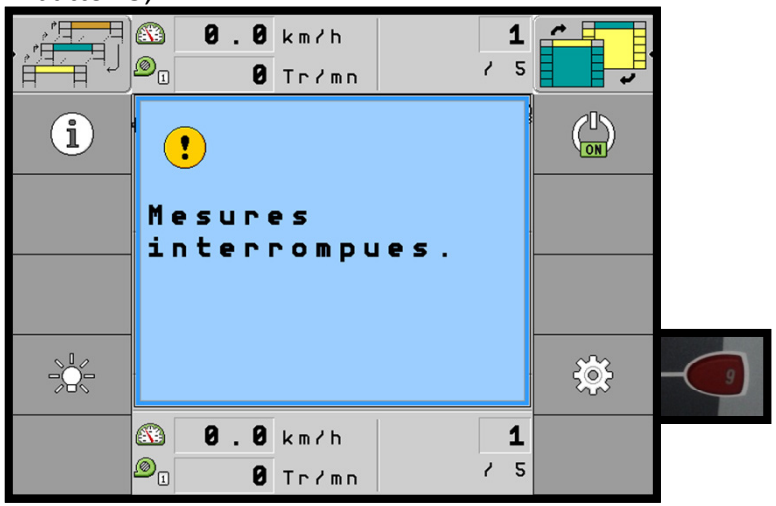
If the difference of speed is too large, repeat the manipulation

6- Product database

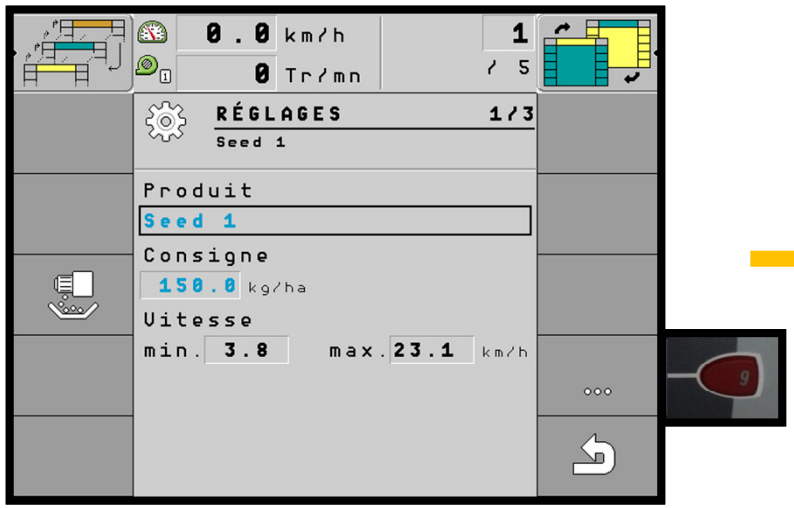
To have a simple use, there is the possibility to have a database for every products used.

The first step is the setup of a product by the user, where it's needed to notify the datas.
The second part, from mark **16,** is about the selection of the hopper (for 2 motors) and the product assignation.

1- When the monitor starts, to enter the database, press button 9,



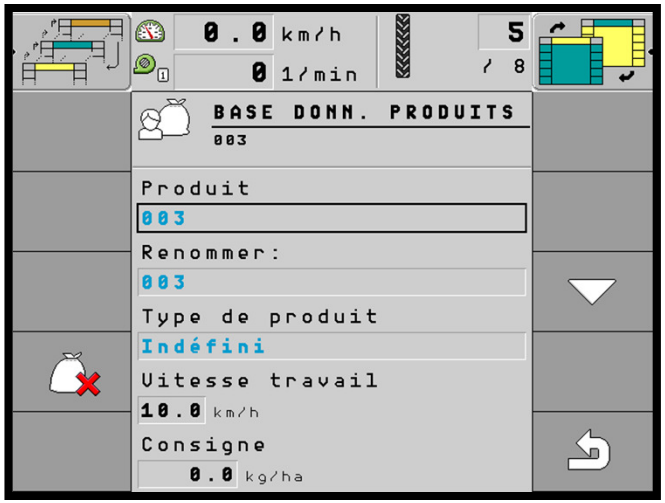
2 – Press again the button 9



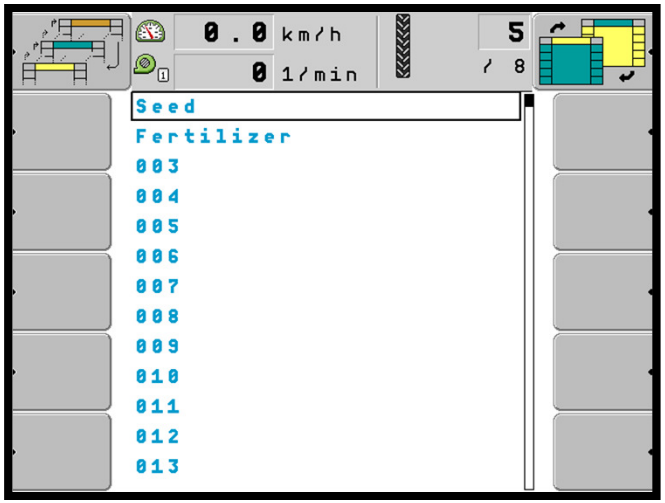
3 – Press the button 7

6- Product database

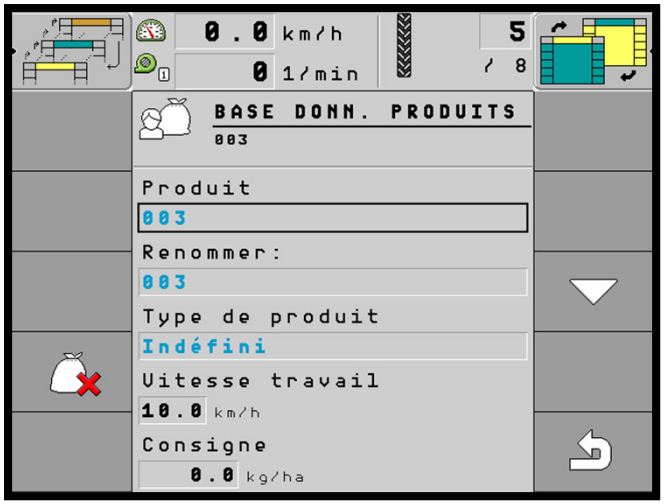
4- With the scroll wheel, select « product » and press the scroll wheel.



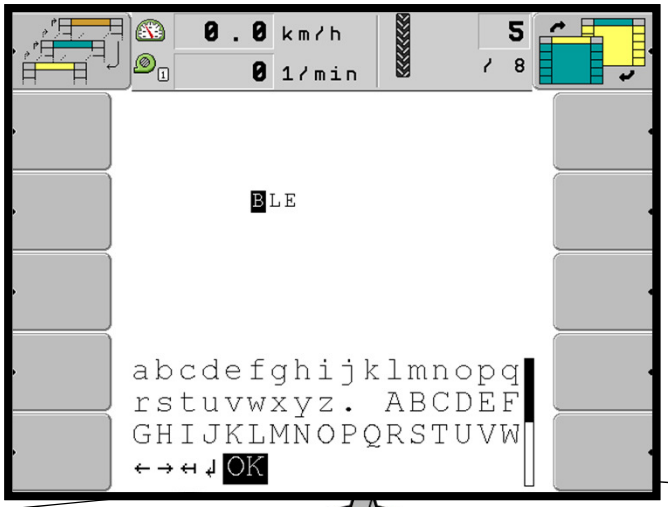
5 – With the scroll wheel select the product nammed 003 (for the example)



6 – Select « rename » with the scroll wheel

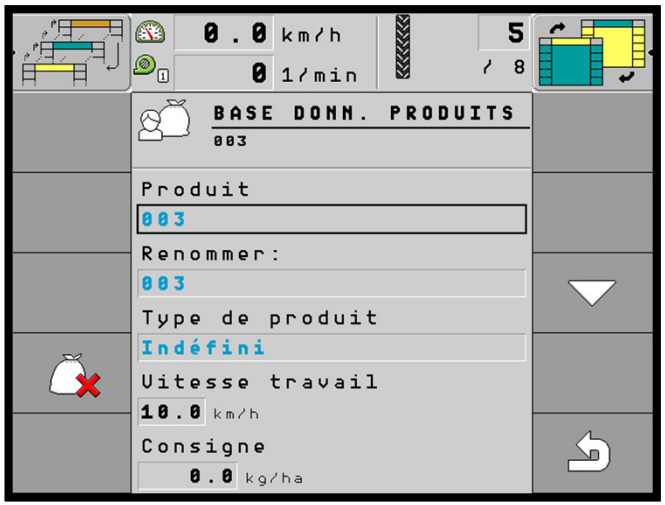


7 – Select the letters with the scroll wheel pressing on to validate and « ok » when the name is correct



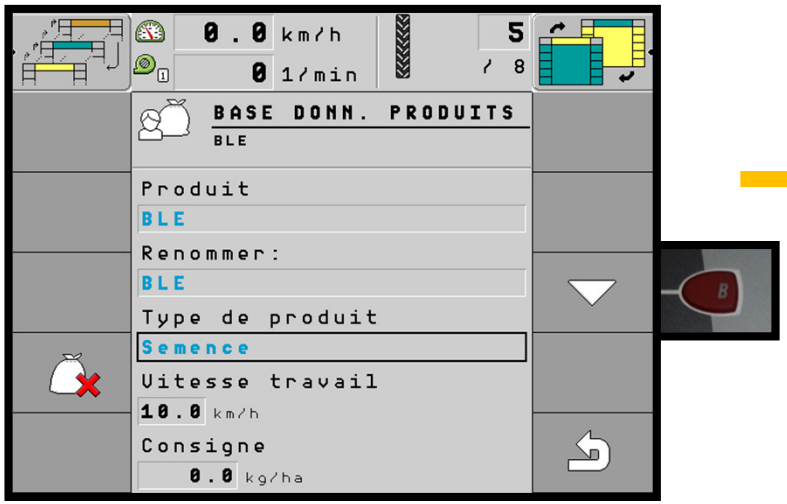
6- Product database

8 - Select « type of product » to define the one with the scroll wheel

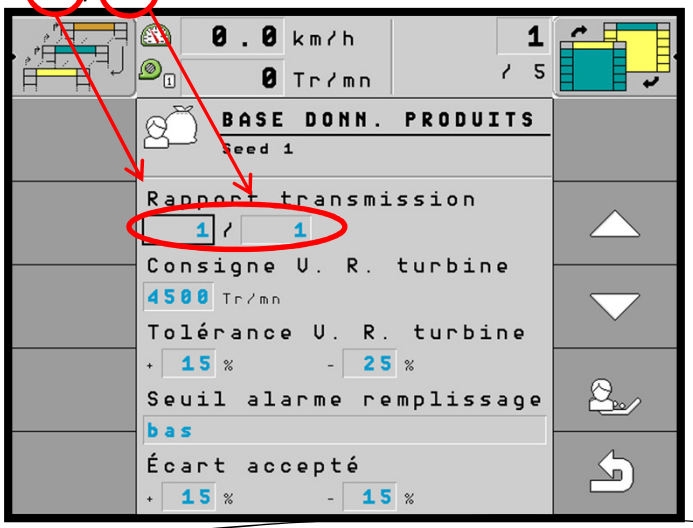


9 – With the scroll wheel select the product expected

10 – Press the button 8

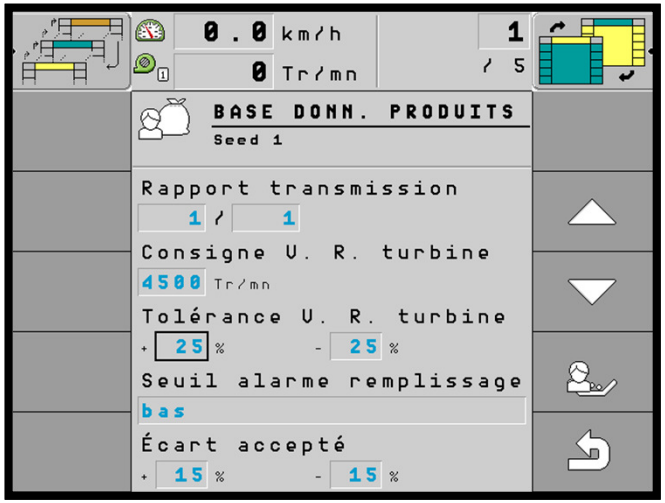


11 – Check the ratio of **transmission** of 1 / 1 with the scroll wheel

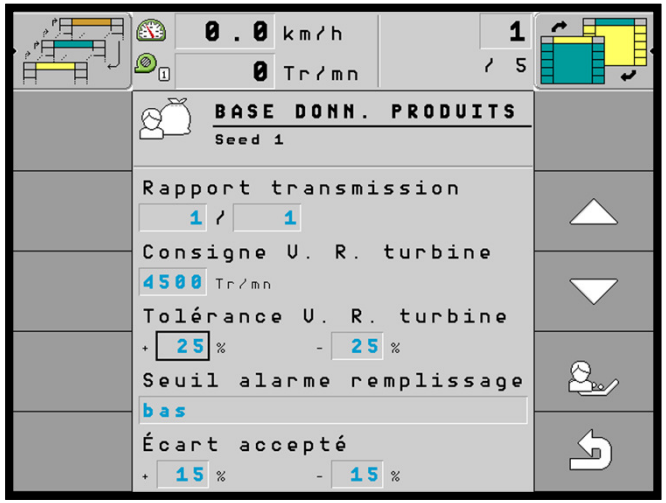


6- Product database

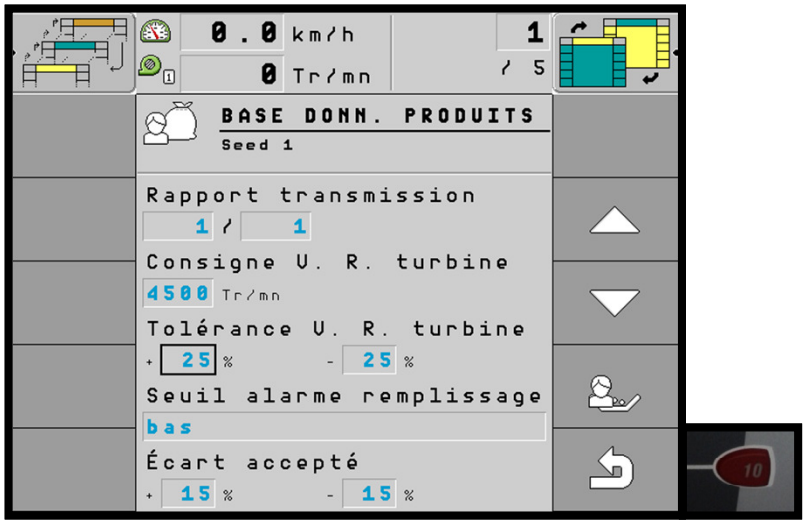
12 – Come with the scroll wheel to modify the speed setup at 4500 tr/mn.



13 – Check the tolerance at + or – 25%.

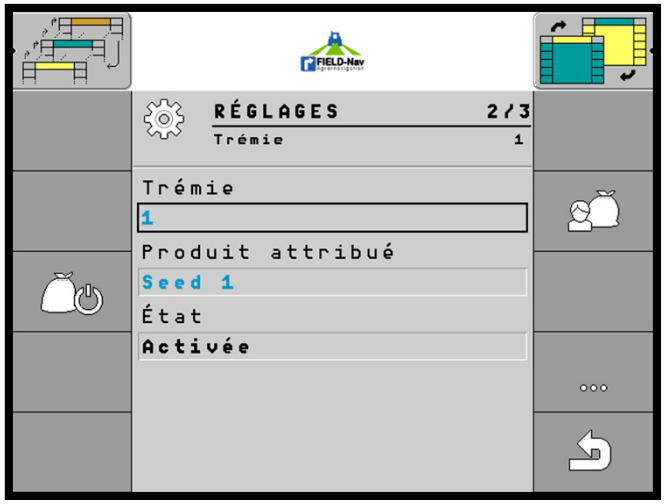


14 – Press the button10 when the modifications are made.

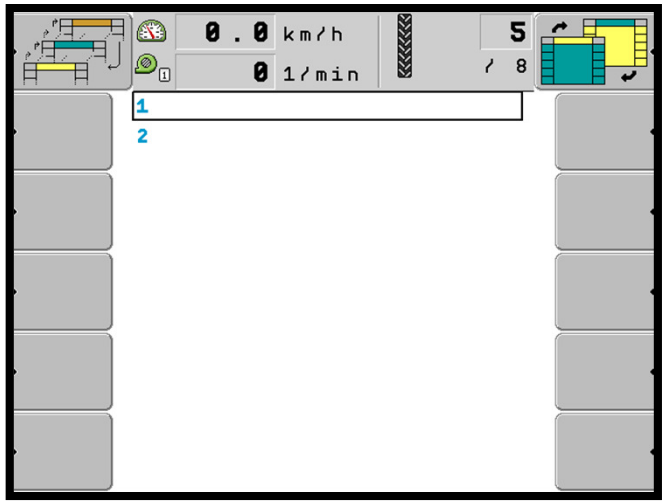


6- Product database

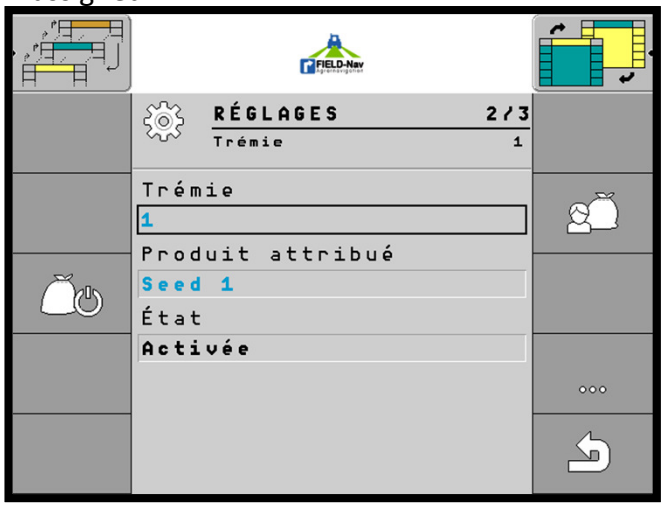
16 – With the scroll wheel select the hopper 1 or 2



17 - Once the hopper expected is selected press the scroll wheel,



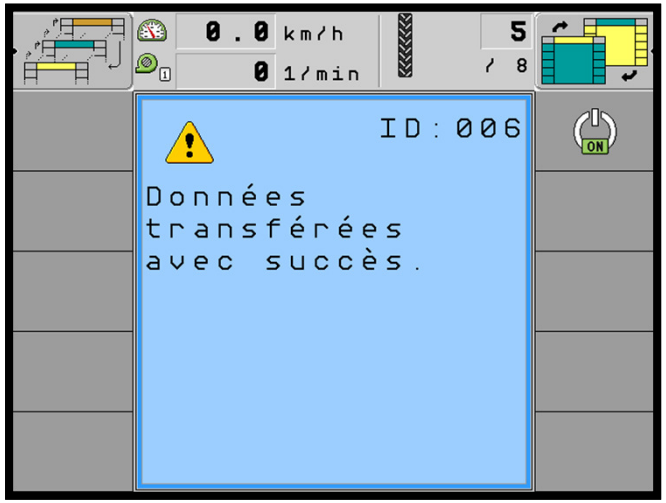
18 – With the scroll wheel select the product assigned



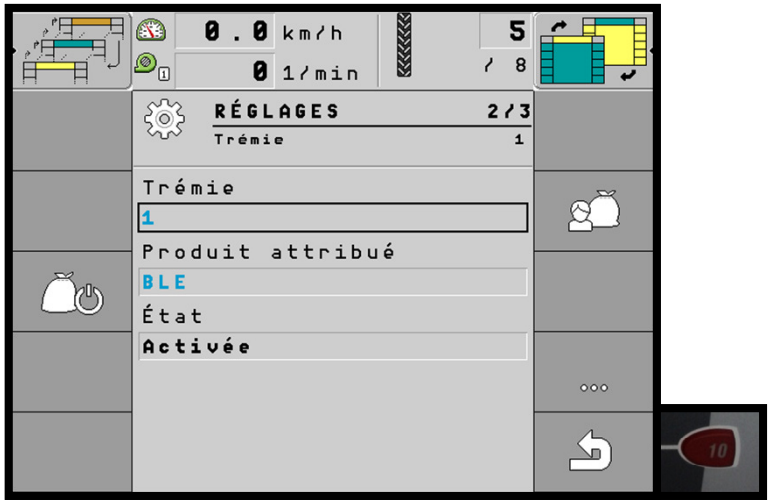
19 – Select the product expected pressing the scroll wheel (wheat for the example)

6- Product database

20 – The setup has been updated successfully

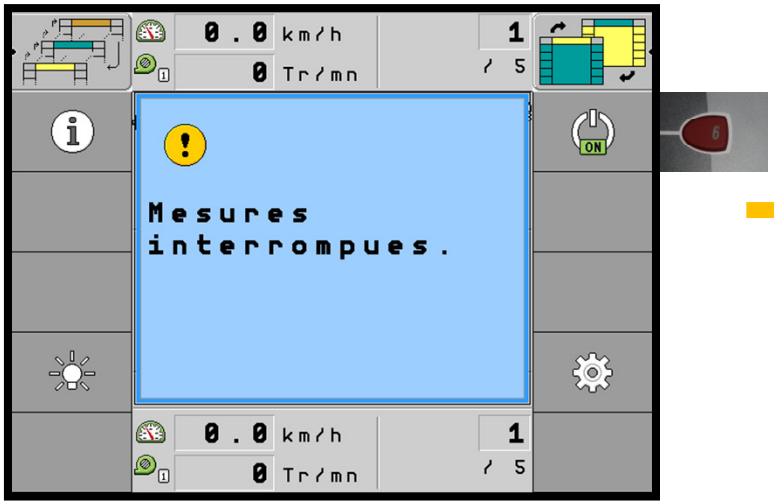


21 – Press the button 10 to enter in the working page.

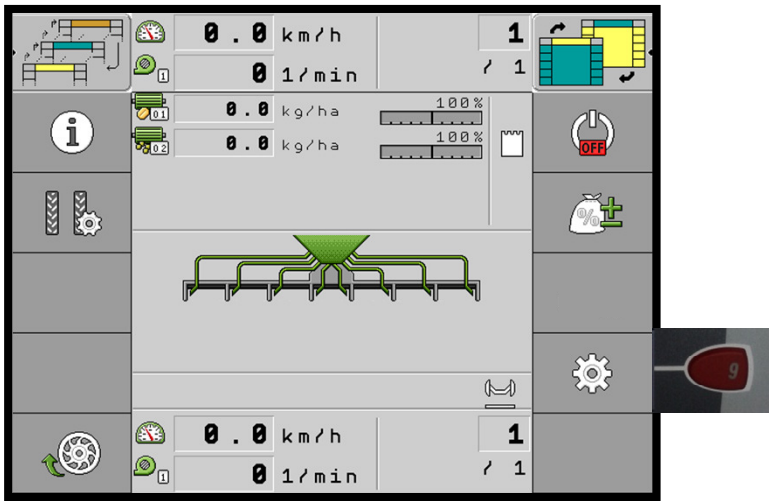


7- The flow test 1 and 2 Motors

1 – On the main screen, press the button6

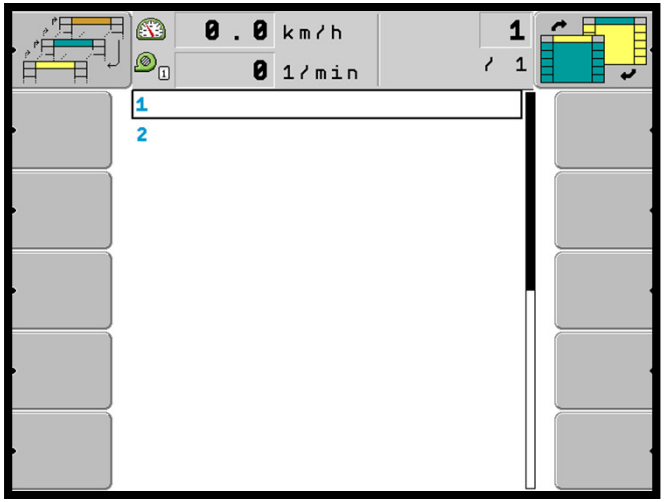


2 – On the main screen , press the button 9



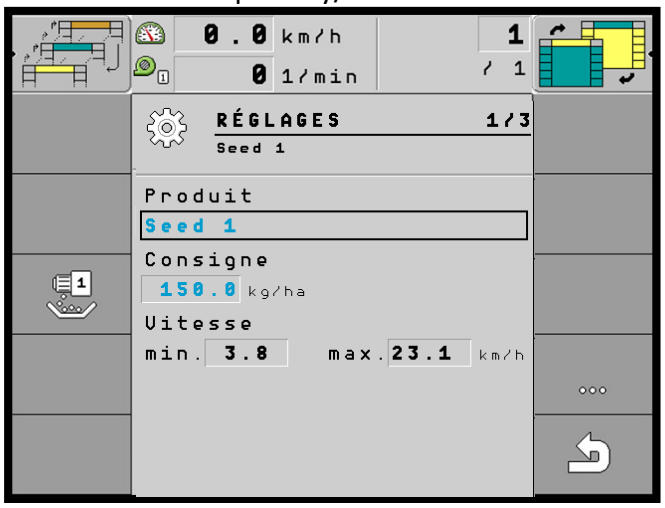
3 – Press on the scroll wheel to select the measure

4 – (if 2 measurs) Select the measure 1 or 2 and press on the scroll wheel

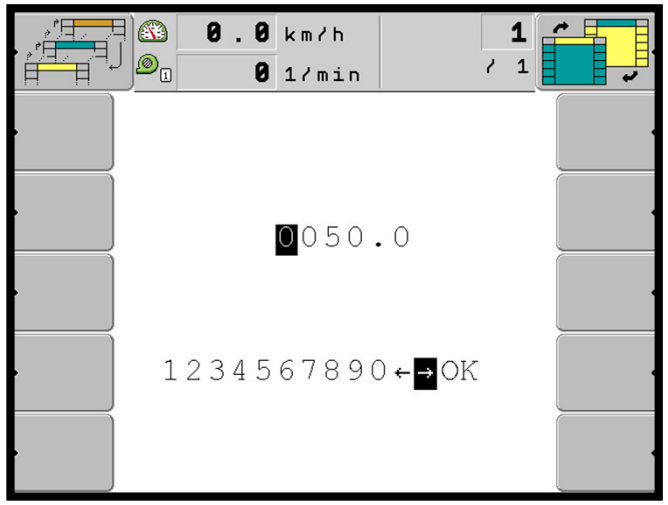


7- The flow test 1 and 2 Motors

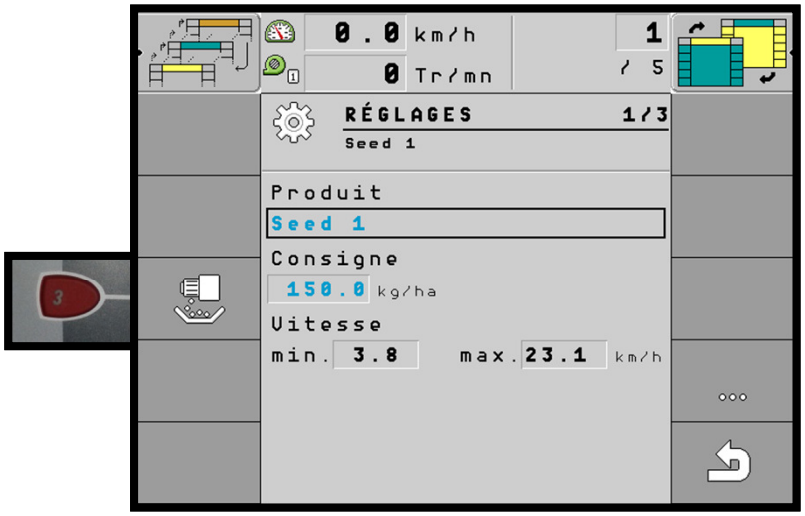
5 – Move the scroll wheel and press to select the rate of the quantity/ha wanted



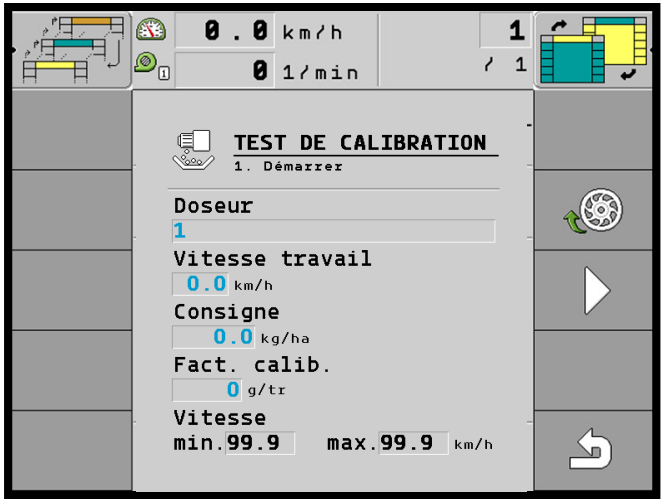
6 – Enter the quantity with the scroll wheel and validate pressing on the scroll wheel



7 – Press the button 3

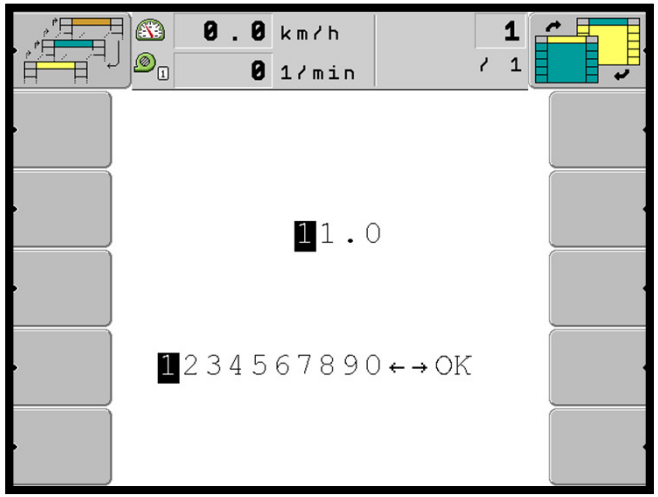


8 – Select the working speed pressing the scroll wheel

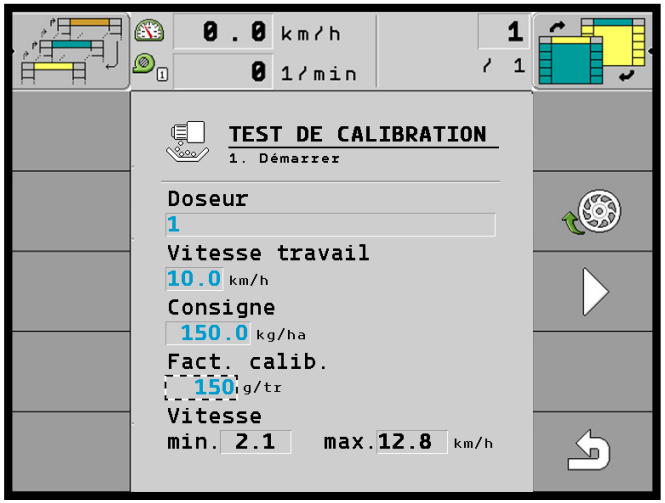


7- The flow test 1 and 2 Motors

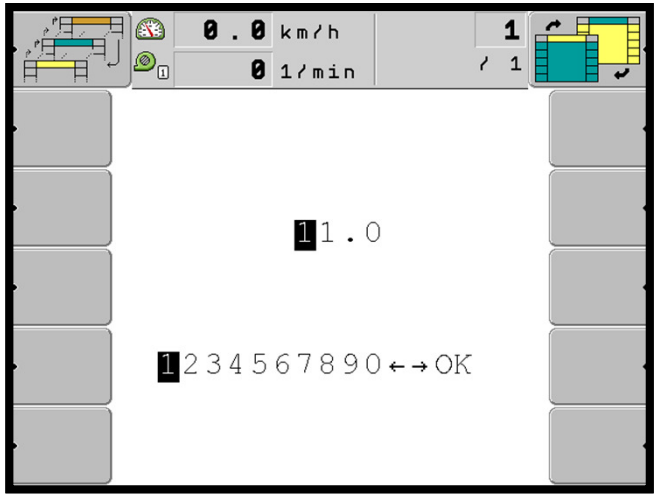
9 – Choose the speed with the scroll wheel and validate pressin on



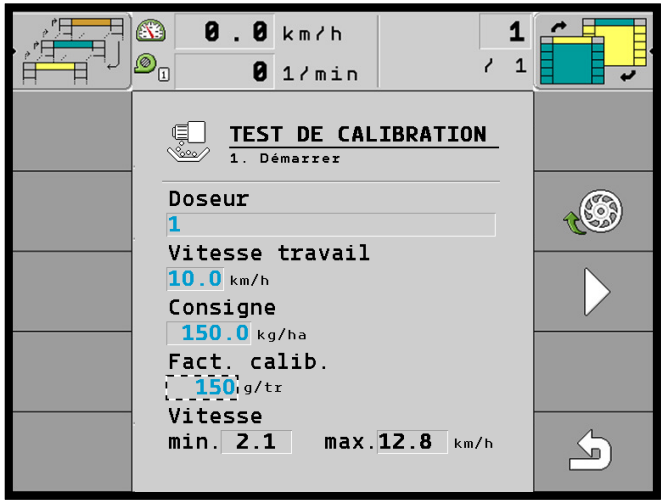
10 – Select the rate if it is **0.**



11 – Put the quantity at **150 Kg/ha (if it is the first use)** with the scroll wheel and validate pressing on

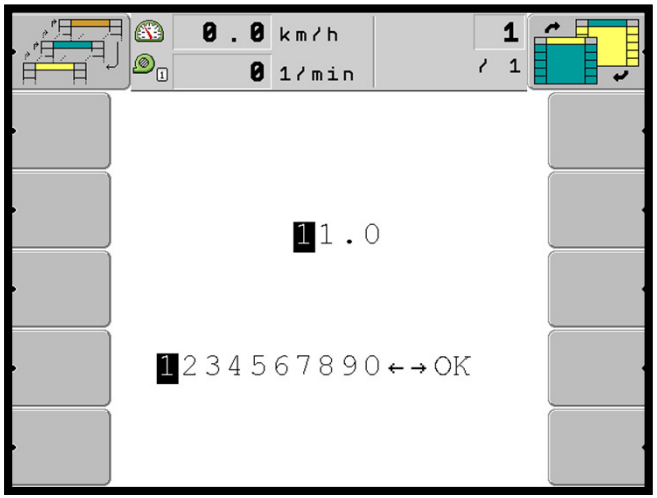


12 – Select the FACT. CALI. If it is **0**.

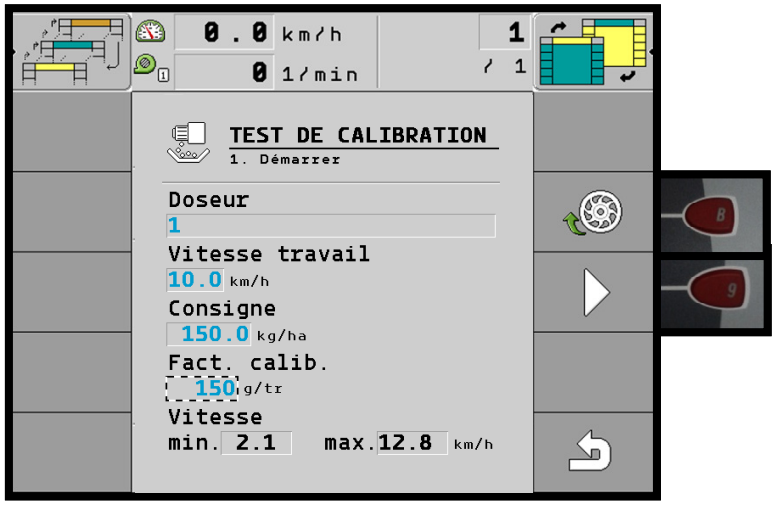


7- The flow test 1 and 2 Motors

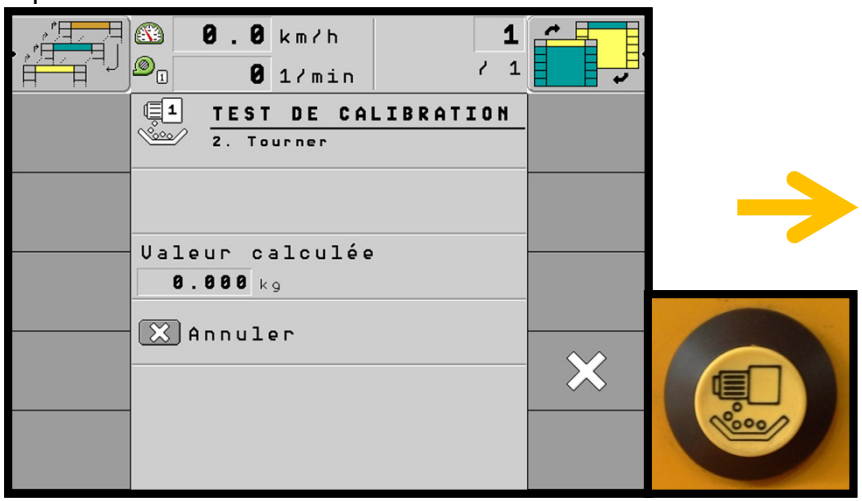
13 – Put FACT. CALI at **150 g/tr** with the scroll wheel to validate pressing on



14 – Press the button 8 to fill the ribs (only for the first test of each seeds) and pressthe button 9



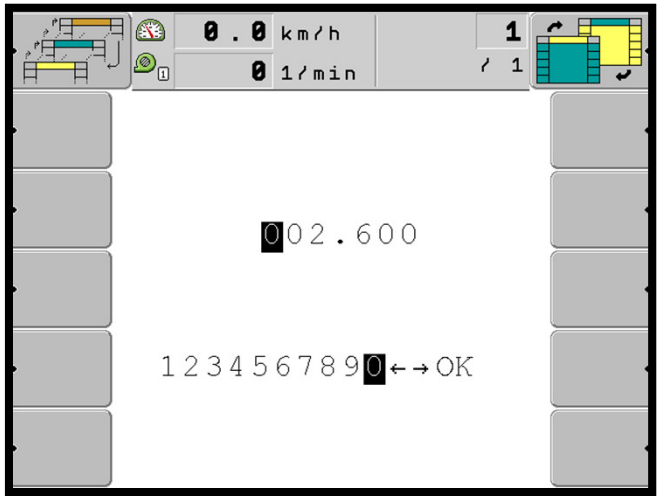
15 – The monitor arrives on this screen, then press the calibration button



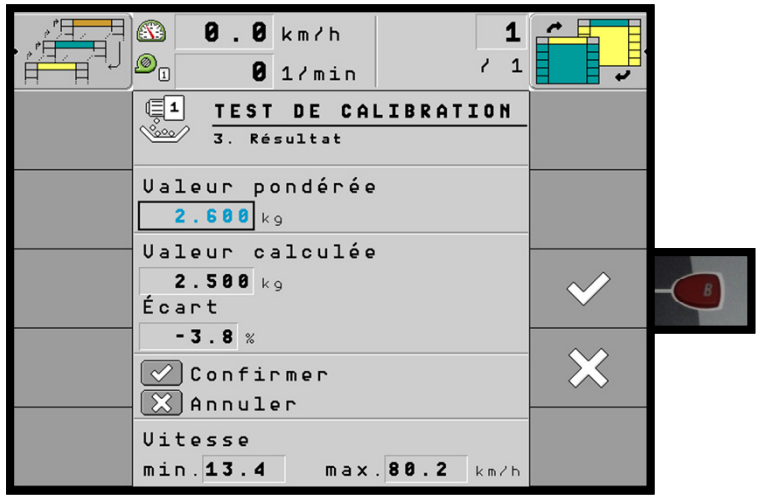
16 – Press the scroll wheel and enter the weight gotten.

7- The flow test 1 and 2 Motors

17 – Enter the weight with the scroll wheel to validate on

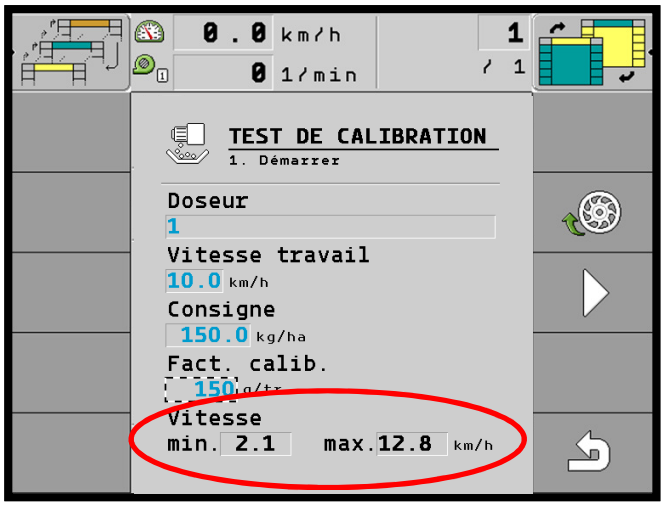


18 – Then, press the button 8 to confirm



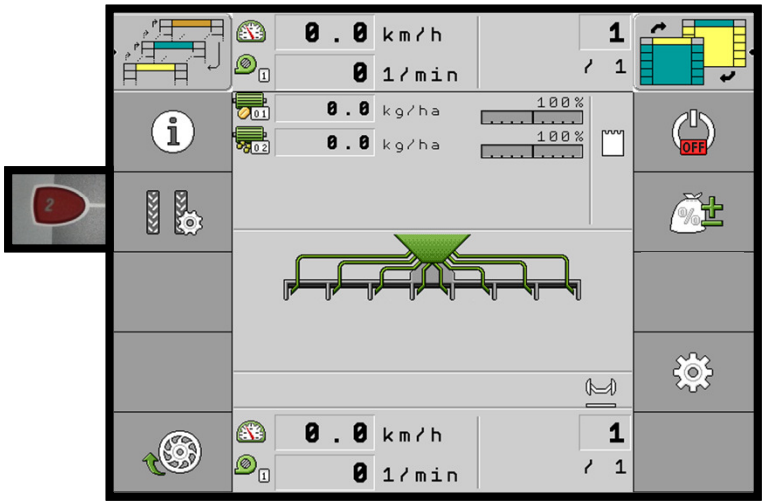
19 – The factor of calibration can be modified after each tests according the result gotten. The procedure, needs to be repeated until the weight is close to the theoretical one (+ or – 5 % error allowed)
Speeds indicated are the distribution's limits of the working range.

Make the same procedure for the second motor.

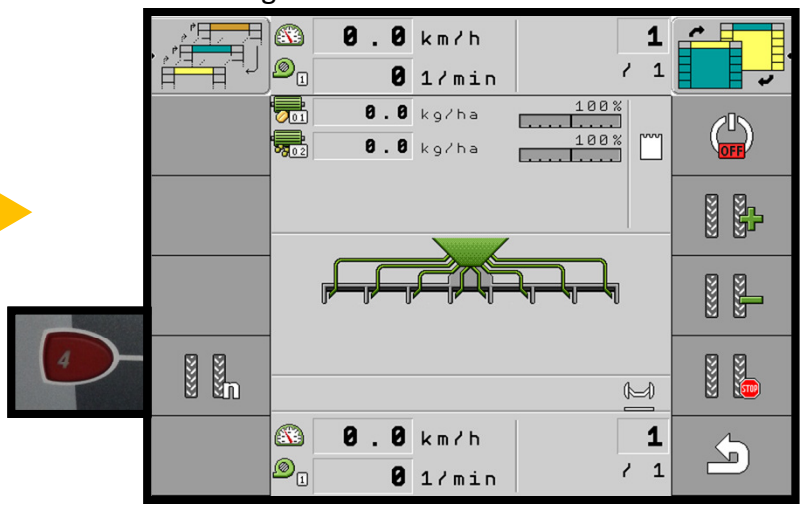


8- The marking

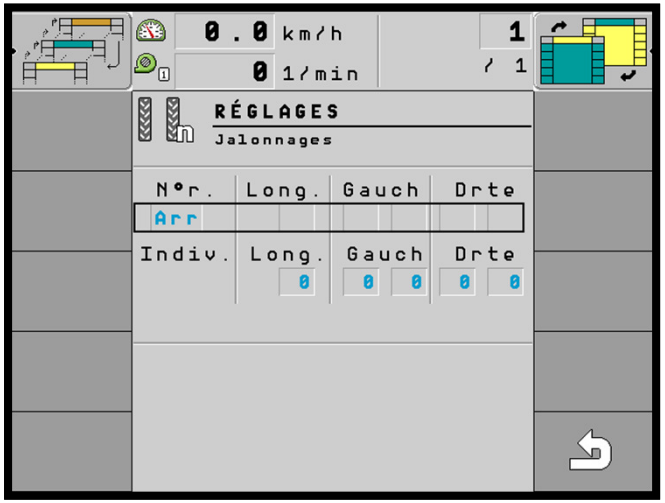
1 – On the homepage press, appuyer the button 2



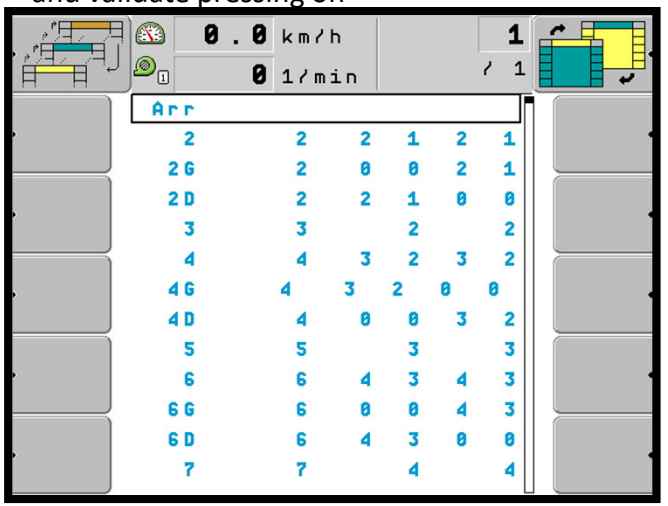
2 – Press the button 4 to program the marking



3 – Press the scroll wheel



4 – In this screen, select with the scroll wheel and validate pressing on



8- The marking

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

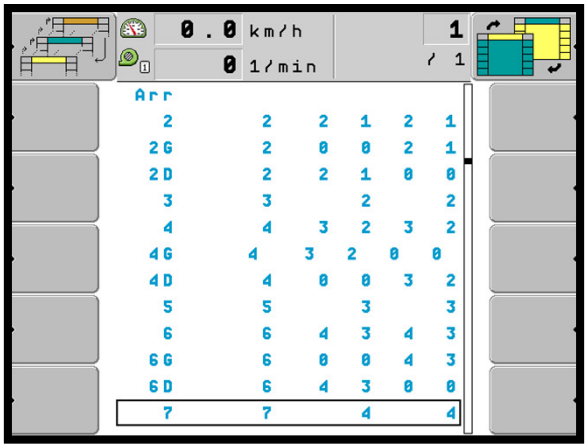
ex. : 12 : 3 = 4 ; 15 : 3 = 5 or 20 : 3= 6,67

⇨ 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.)

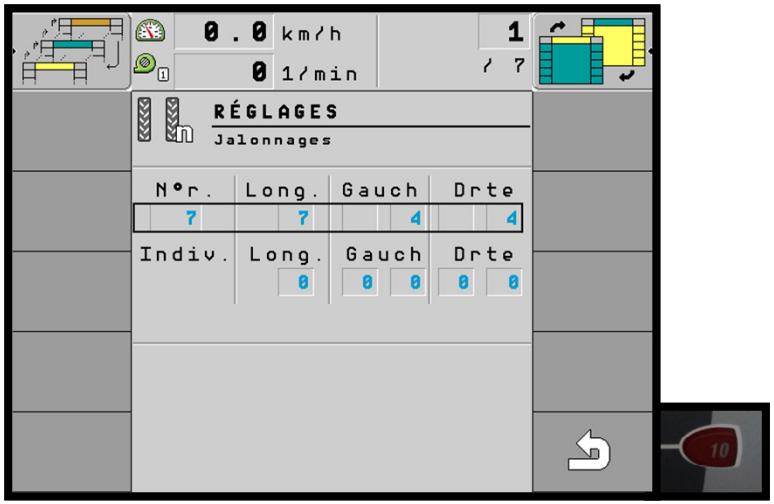
⇨ You have to choose a different rythm of marking, depending on each result. You will find the results on the instructions of the pneumatic seeder.

8- The marking / Passage of a sprayer in the middle of a passage of a seeder

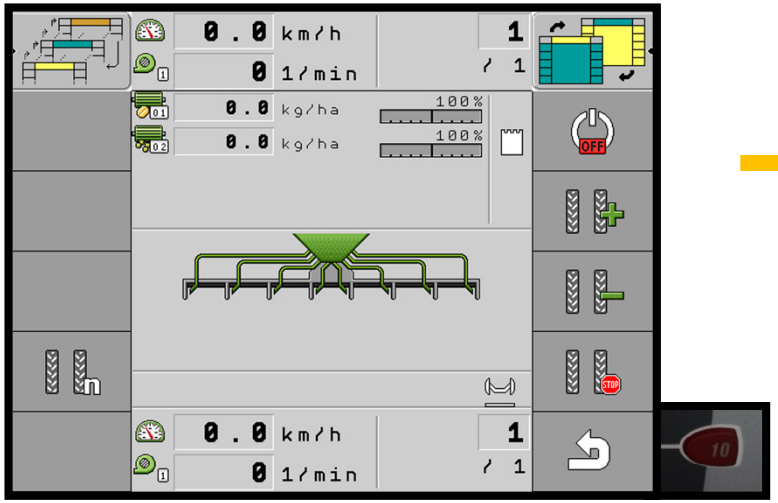
5- For a 1st example, we will use a 21m sprayer and a 3m seeder, which makes (21/3 = 7) 7 passages of seeder for 1 passage of sprayer



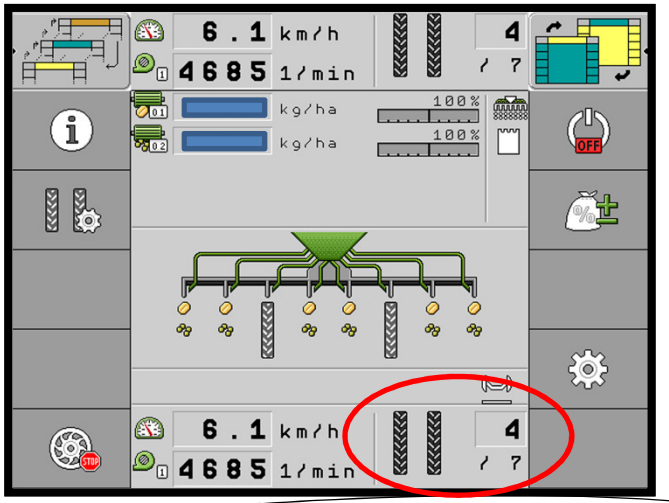
6 – The left and right hand side valves will activate themselves at the 4th passage.
Press on button 10



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

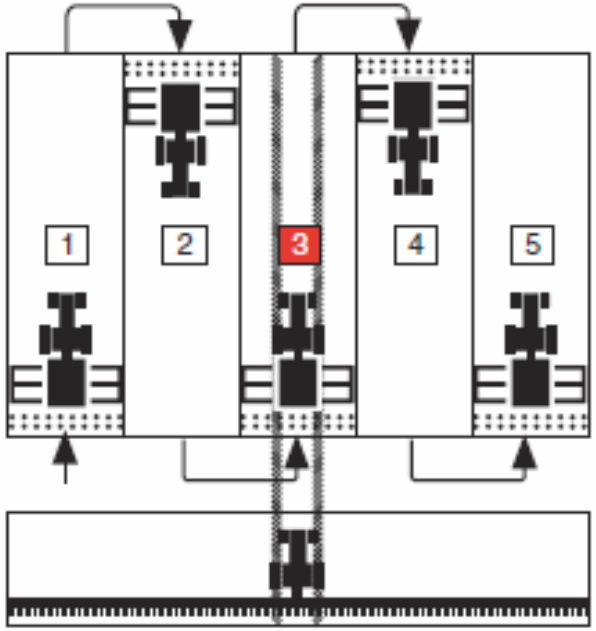


8 – At the 4th passage, the marking valves will activate themselves



8- The marking / Passage of a sprayer in the middle of a passage of a seeder

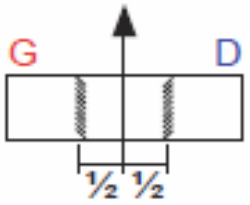
3m seeder with a 15m sprayer
6m seeder Other example with a 30m sprayer



Other example

Control board

Tracer position

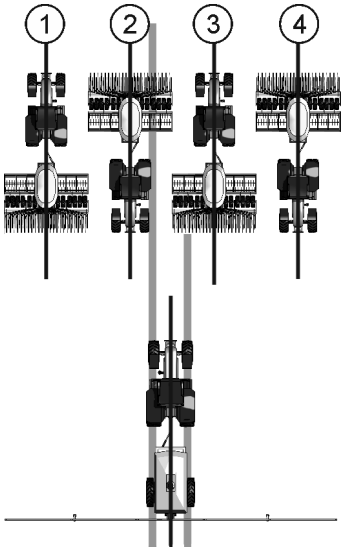


8- The marking / Passage of a sprayer astride on 2 passages of a seeder

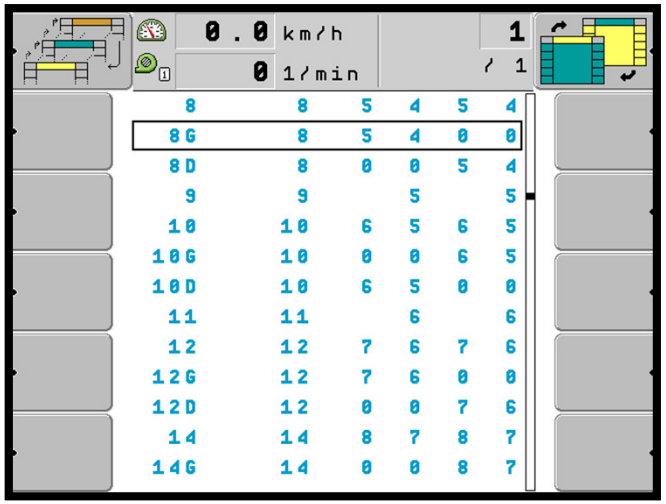
5 bis – Start steps 1 to 4 again. For an example, let's take a 24m sprayer and a 3m seeder (24/3 = 8 passages). In this case, only one valve will be active.

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.

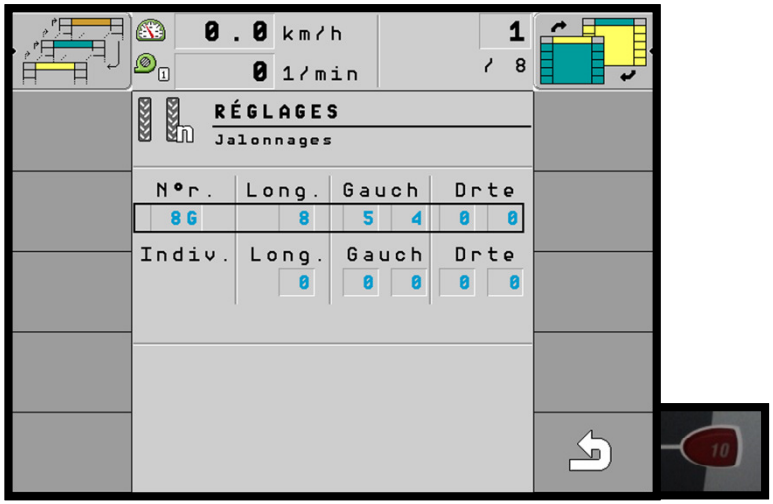
Example



6 bis – By navigating with the scroll wheel, go on line 8G and validate



7 bis – The left valve will activate itself at 4th passage and 5th passage. Press the button 10



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