

DOS Silver P / T



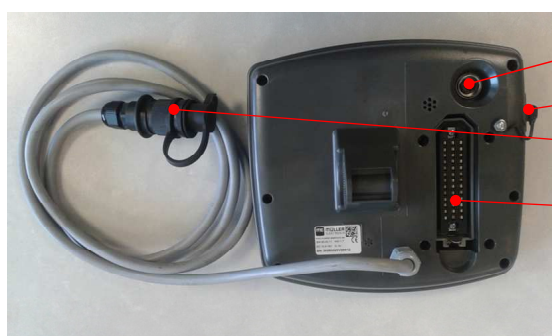
Combisem 1000 / PMA / PMD

**A-Controller**

DSF 1000/1400



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**1- Characteristics of the computer**

Front of the terminal

- ① A connection - 8 pin port
- ② USB connection - USB 1.1
- ③ B connection - 3 pin socket
- ④ C connection - 39 pin socket



Back of the terminal

- ⑤ Buttons
- ⑥ Start/stop button
- ⑦ Fonctional buttons

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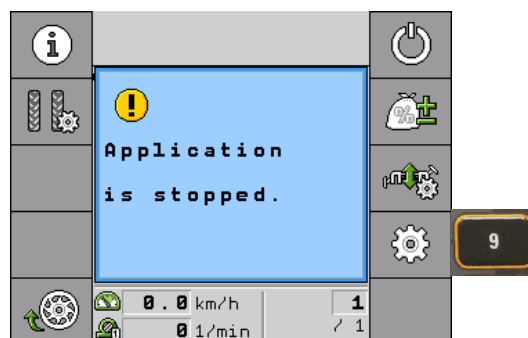


2 - First putting into service

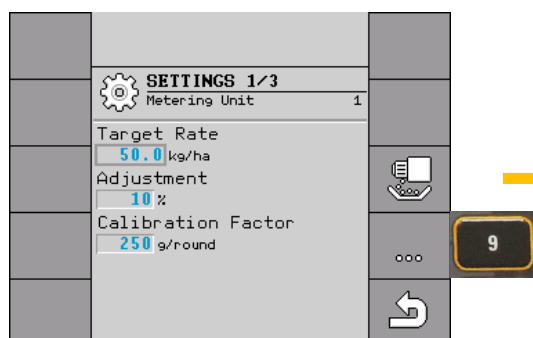
1 - Switch on the terminal and chose the language



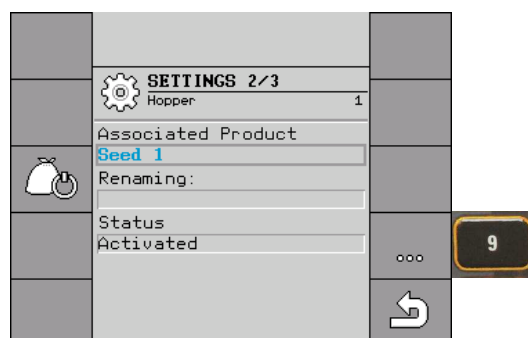
2 - Press on button 9



3 - Press on button 9 (2nd time)



4 - Press on button 9 (3rd time)



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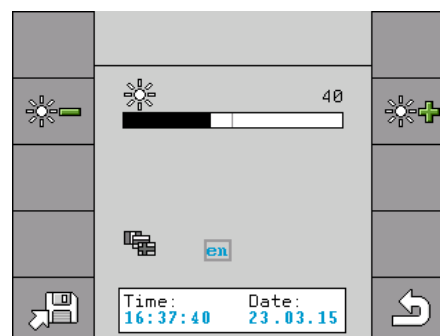


2 - First putting into service

5 - Press on button 2



6 - Press on Ok



7 - With the arrows, select your language

de
pl
fr
it
es
cs
ru
tr
bg
en
nl



8 - Press on OK to confirm

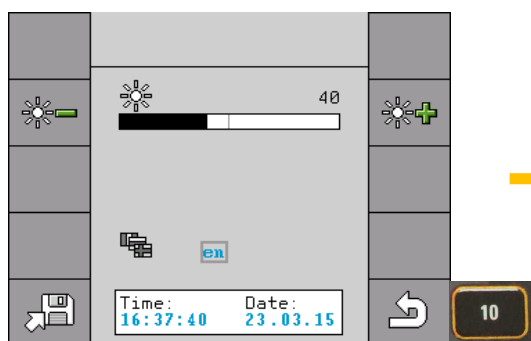
de
pl
fr
it
es
cs
ru
tr
bg
en
nl

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2 - First putting into service

9 – Press on button 10 to come back to the main menu



10 – The computer comes back to the main screen in the selected language



Ps: during the language modification, the computer reboots to reset the software.

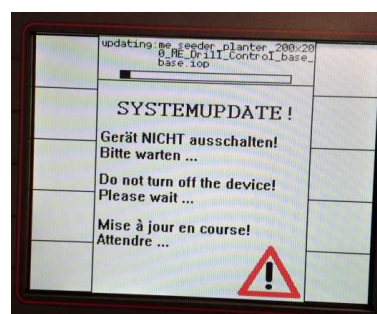
3 - Update of computer Vers.15

1 – Plug in the USB key in the port, with the monitor turned off

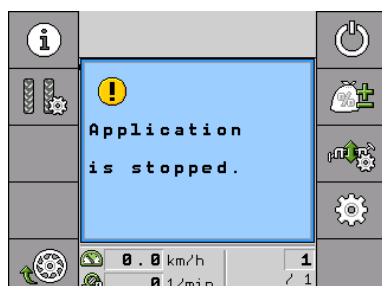


Ps: The key must only contain the files for the update

2 – Switch on the monitor. Normally, the screen should be this one during its update:



3 – At the end of the update, the computer turns back on automatically in English



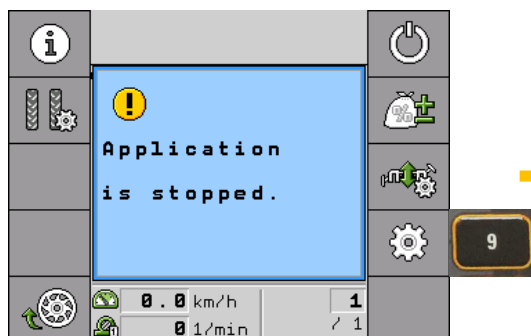
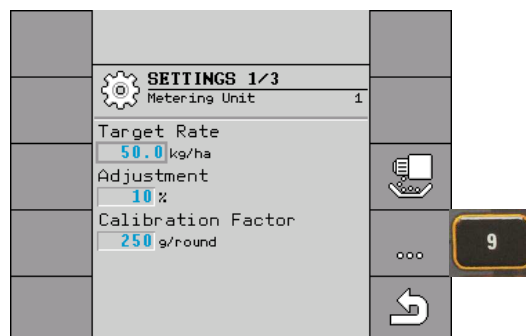
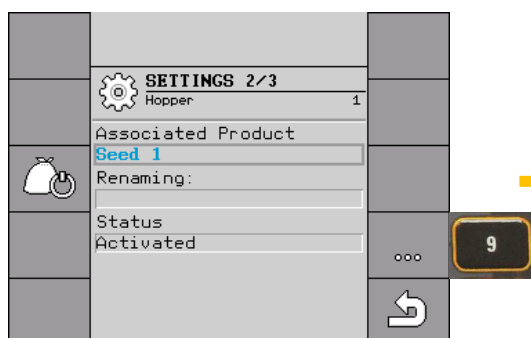
4 – The last thing to do is to choose the language again (see previous chapter)



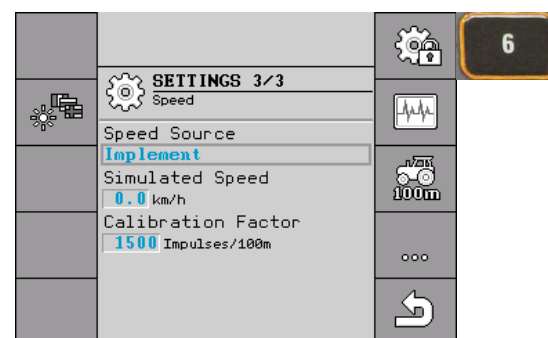
Be careful, if the update doesn't start automatically, it means that the file isn't well installed on the key, or that there are other files in the root

4 – Standard configuration

1 – On the home screen, press on button 9

2 – Press on button 9 (2nd time)3 – Press on button 9 (3rd time)

4 – Press on button 6



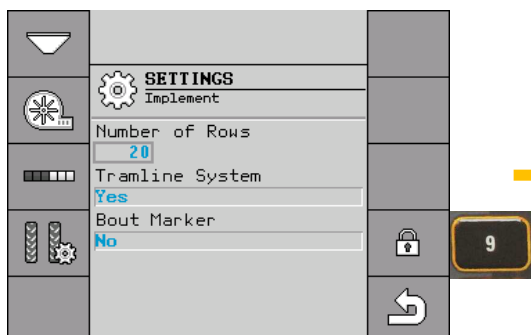
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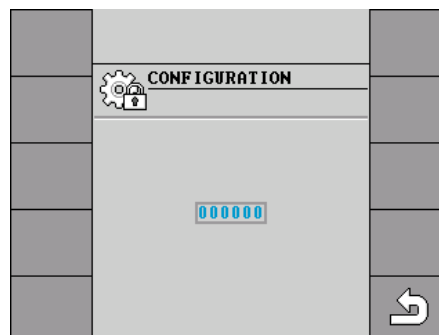
AGRISEM INTERNATIONAL

4 – Standard configuration

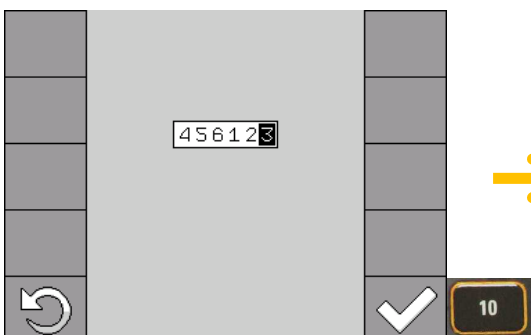
4 – Press on button 9



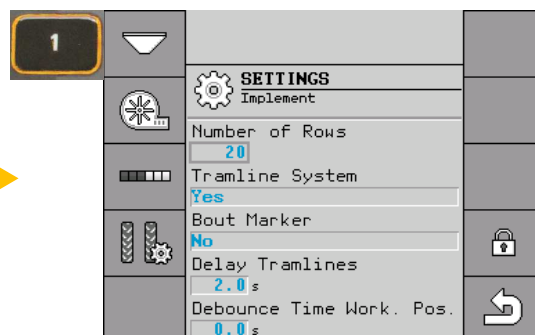
5 – Press on ok



6 – On this screen, type in the code by navigating with the arrows, then press on button 10



7 – Press on button 1



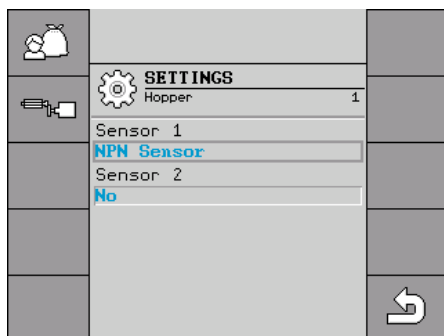
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4 – Standard configuration

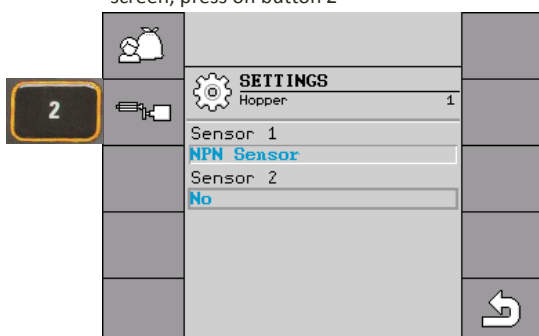
8 – With the bottom arrow, go on the sensor 2, then press on OK



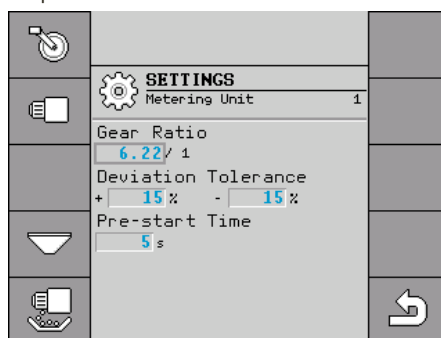
9 – Select « No » with the arrows (top, bottom), then press on OK

No
NPN Sensor
PNP Sensor

10 – Once the modification is done, on this screen, press on button 2



11 Press on OK to go in the transmission report

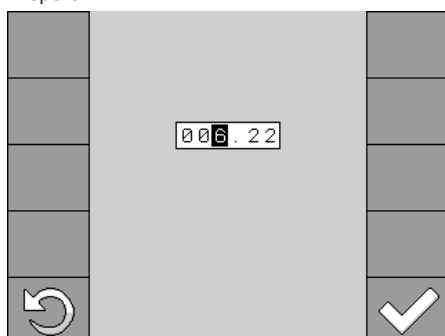


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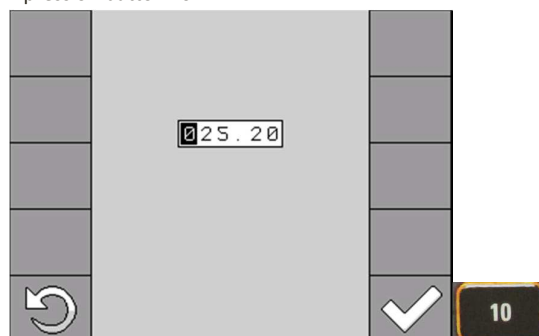


4 – Standard configuration

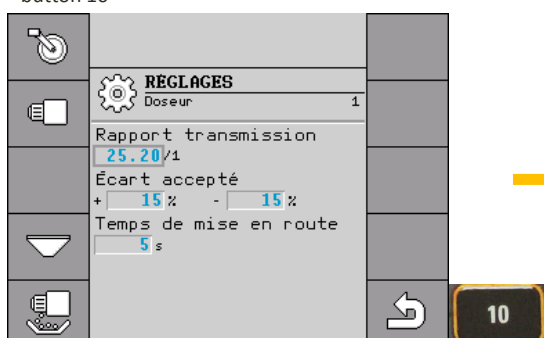
12 – Navigate with the arrows to choose the report



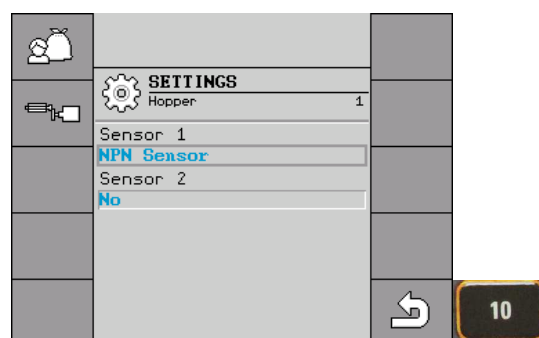
13 – Once the correct report is in (25,20), press on button 10



14 – Once the manipulation is done, press on button 10



15 – Press on button 10 (2nd time)

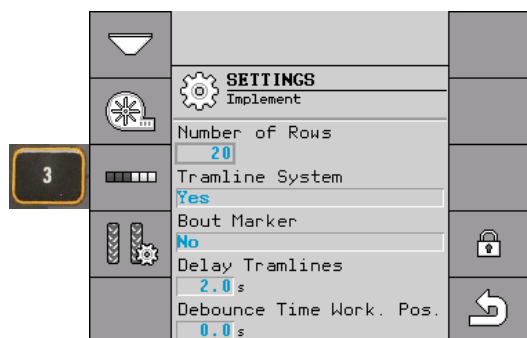


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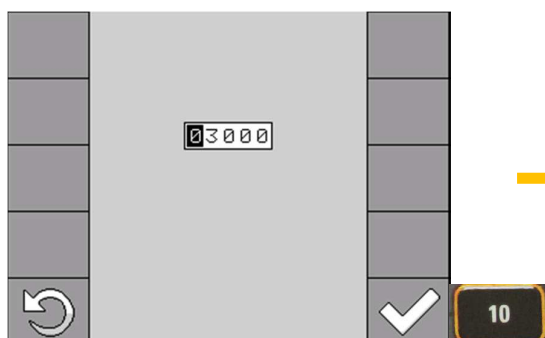


4 – Standard configuration

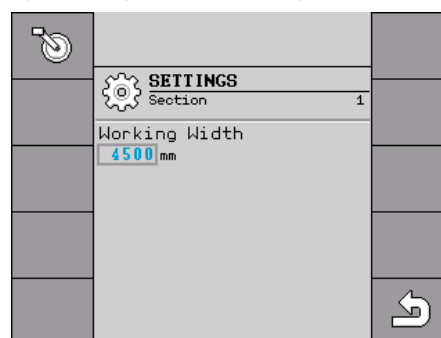
16 – Press on button 3



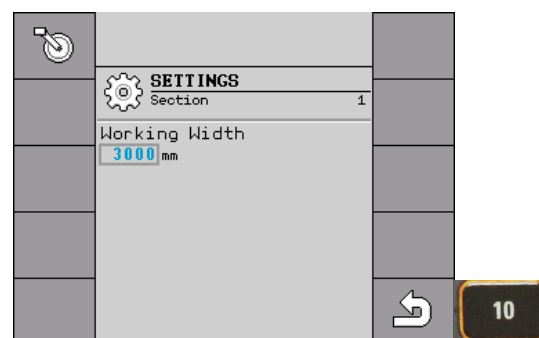
18 – You can change with the arrows, then press on button 10



17 – Check the working width of the seeder. If it is correct, go directly to the step n°19. Otherwise, press on OK



19 – Press on button 10

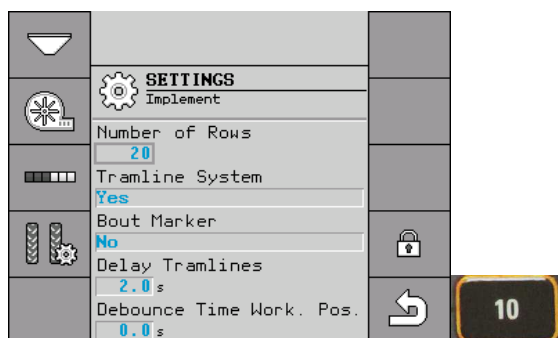


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4 – Standard configuration

20 – Press on button 10



13 – Switch the computer off and back on.
The computer is programmed.



Careful, do not do any other manipulations than the ones presented here.

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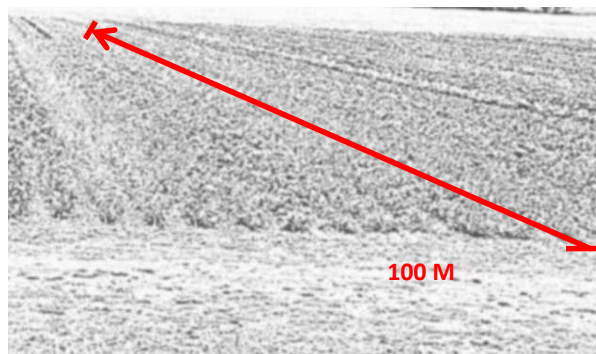


5 – Client configuration

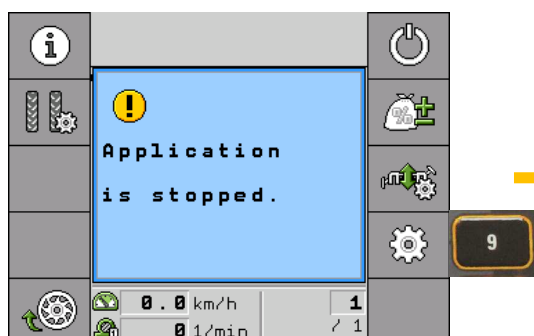
Calibration of the radar

1 – To calibrate the radar, you need to trace 100m precisely in the field.

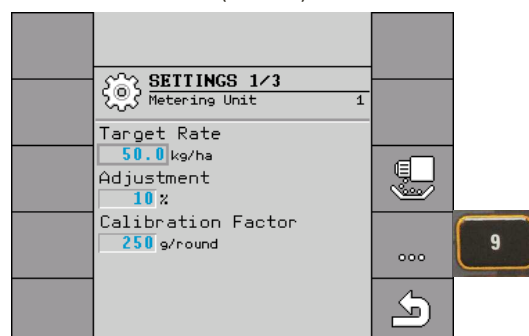
2 – Put the machine in working position.



3 – Switch on the computer, then press on button 9



4 – Press on button 9 (2nd time)

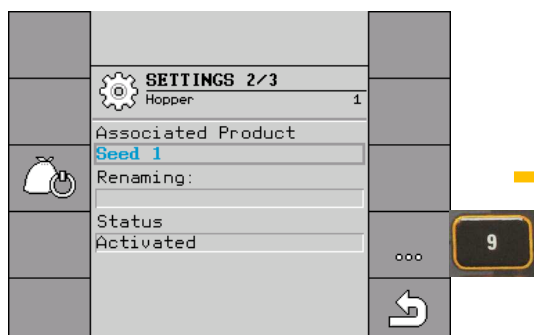


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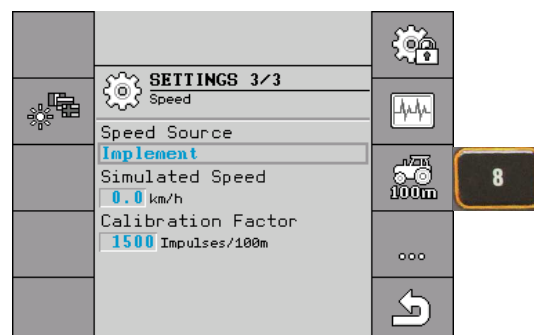


5 – Client configuration

5 – Press on button 9 (3rd time)



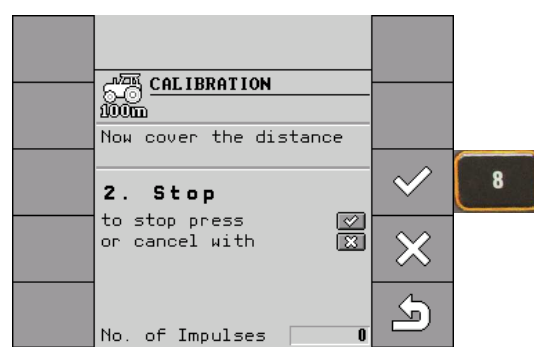
6 – Press on button 8



7 – Press on button 8 and start the 100m with the tractor



8 – Press on button 8 at the end of the 100m

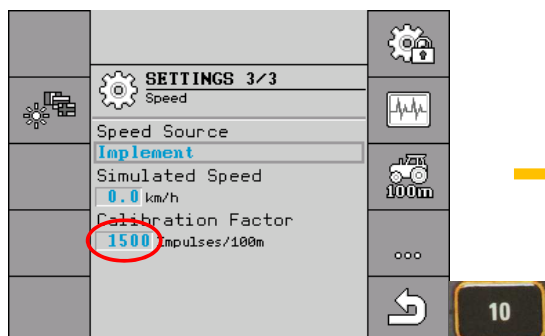


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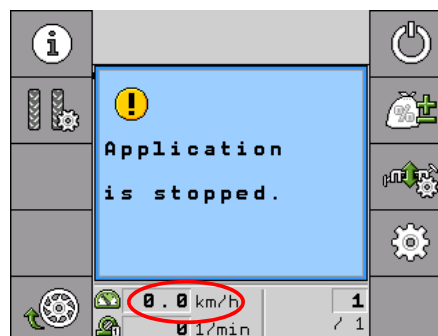


5 – Client configuration

9 – The monitor comes back to this page and the new factor appears. Press on button 10.



10 – On the homescreen, check the speed by comparing with the tractor.



If the difference of speed is too important, you will have to start the manipulation again.

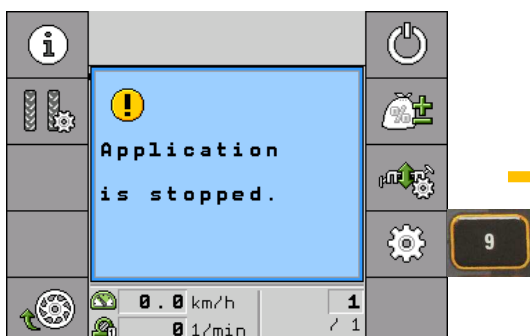
If the seeder is equipped with a DGPS, you will not need to do a grading. For the connections, the DGPS plugs in at the same place as the radar on the computer.

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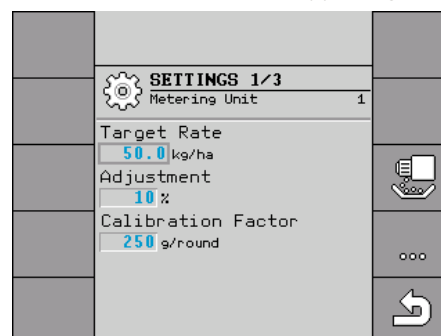


6 – The flow test

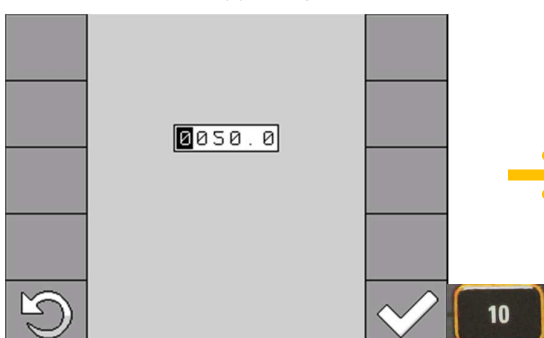
1 – On the main screen, press on button 9



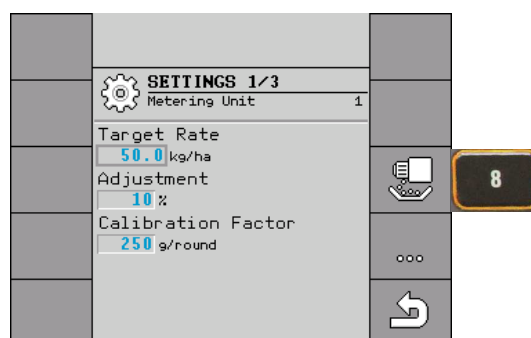
2 – Fill in the dose/ha wanted, by pressing on OK



3 – Fill in the quantity by navigating with the arrows, then confirm by pressing on button 10



4 – Press on button 8

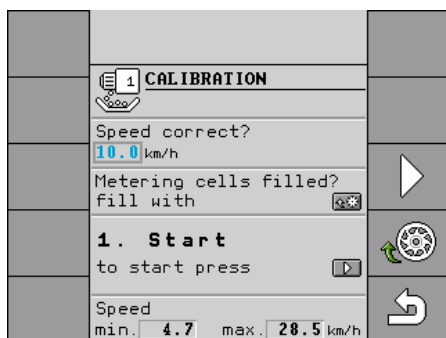


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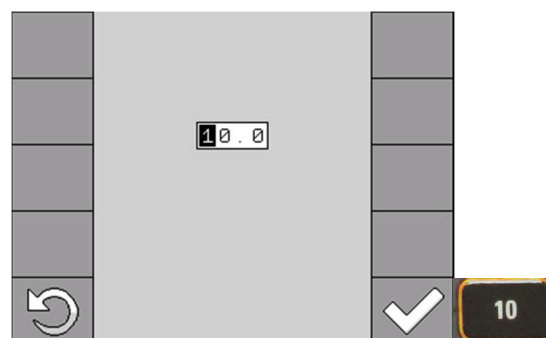


6 – The flow test

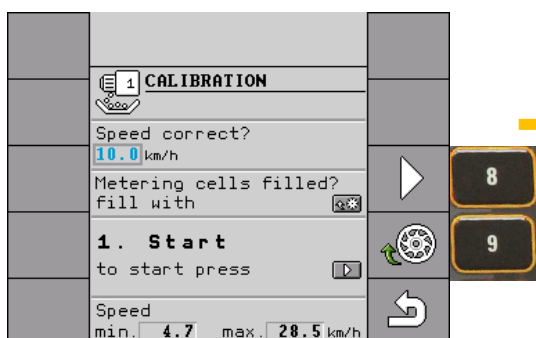
5 – Select the working speed by pressing on OK



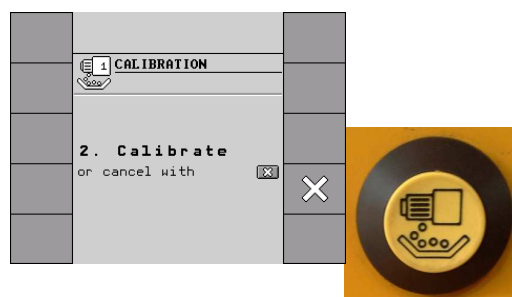
6 – Choose the speed with the arrows and confirm with button 10



7 – Press on button 9 to fill in the ribs (only at the 1st test of each seed) then press on button 8



8 – The monitor changes to this screen. You need to press on the grading button.

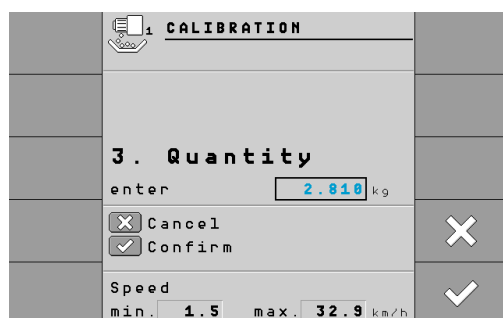


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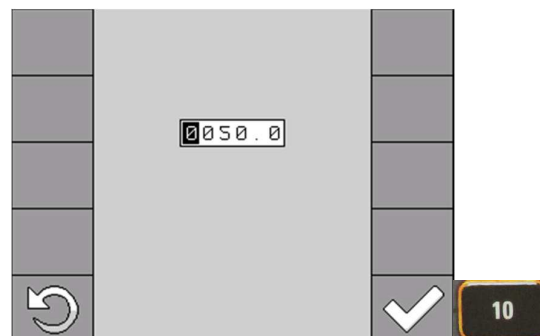


6 – The flow test

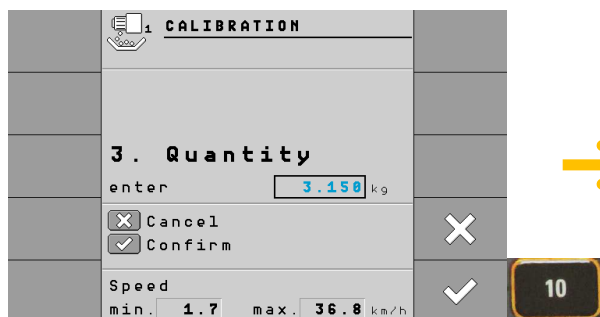
9 – Press on OK to enter the obtained weight



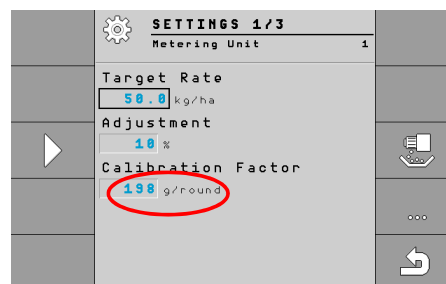
10 – Enter the weight by navigating with the arrows and confirm by pressing on button 10



11 – Press on button 10 to confirm. The speeds indicated are the distribution's limits of the working range



12 – The grading factor changes after each test, depending on the result. The operation must be repeated until the weight obtained isn't near to the theoretic weight (- 5% of error)



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7 – The marking

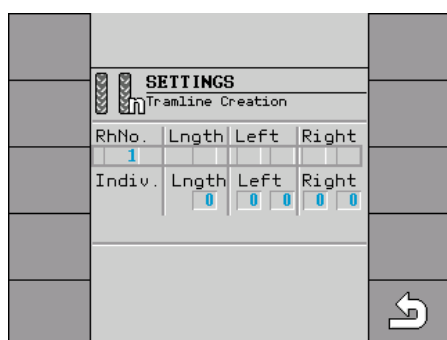
1 – On the main screen, press on button 2



2 – Press on button 4 to program the marking



3 – Press on OK



4 – On this screen, navigate with the arrows and confirm by pressing on OK

1					
2	2	2	1	2	1
3	3		2		2
4	4	3	2	3	2
5	5		3		3
6	6	4	3	4	3
7	7		4		4
8	8	5	4	5	4
9	9		5		5
10	10	6	5	6	5
11	11		6		6
12	12	7	6	7	6

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7 – 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.

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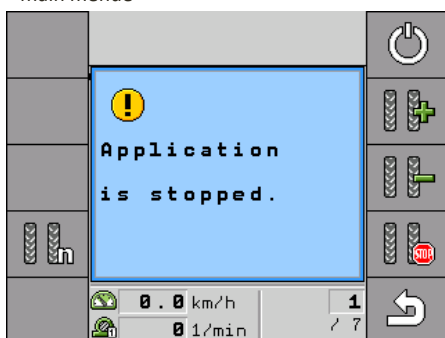


7 – The marking / Passage of a sprayer in the middle of a passage of a seeder

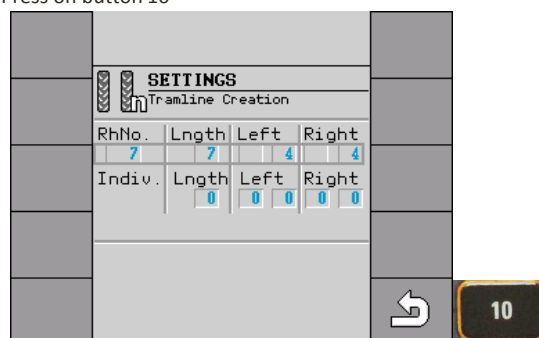
5 – For a 1st example, we will use a 21m sprayer and a 3m seeder, which makes $(21/3 = 7)$ 7 passages of seeder for 1 passage of sprayer

1					
2	2	2	1	2	1
3	3		2		2
4	4	3	2	3	2
5	5		3		3
6	6	4	3	4	3
7	7		4		4
8	8	5	4	5	4
9	9		5		5
10	10	6	5	6	5
11	11		6		6
12	12	7	6	7	6

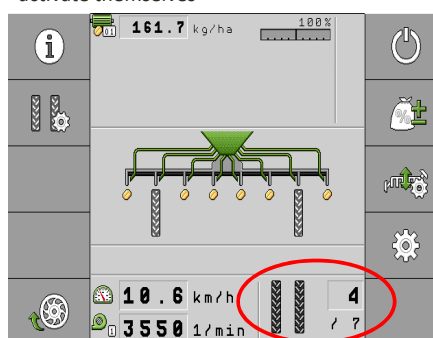
7 – Press on button 10 to come back to the main menu



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



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



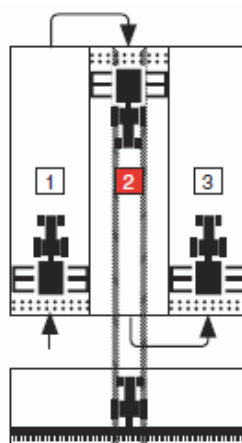
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7 – The marking / Passage of a sprayer in the middle of a passage of a seeder

Other example

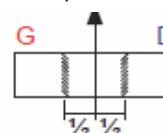
3m seeder with a 9m sprayer
6m seeder with a 18m sprayer



Control board

3	3		2		2
---	---	--	---	--	---

Tracer position



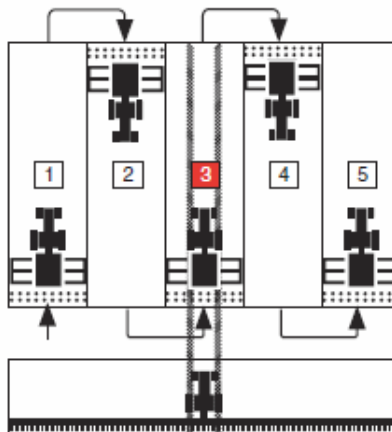
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7 – The marking / Passage of a sprayer in the middle of a passage of a seeder

Other example

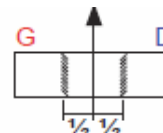
3m seeder with a 15m sprayer
6m seeder with a 30m sprayer



Control board



Tracer position



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7 – 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 999 with the arrows and press on OK

8s	8	4	4
10s	10	5	5
12s	12	6	6
114	14	10	5 12 3
118	18	15	4 13 6
999			



6 bis - By navigating with the arrows, go down to the box « indiv. Long. » and press on OK

SETTINGS				
Tramline Creation				
RhNo.	Lngh	Left	Right	
999				
Indiv.	Lngh	Left	Right	
0	0	0	0	0

7 bis – Select the total number of passages of seeders covered by a width of sprayer ($24 \text{ m}/3\text{m} = 8$) with the arrows and press on button 10

8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
50
52
54
56
58
60
62
64
66
68
70
72
74
76
78
80
82
84
86
88
90
92
94
96
98
100



8 bis –With a passage of a sprayer astride on 2 passages of a seeder, the activated valve can be different in each field (in the example, we activated the left hand side valve). Go on the concerned valve with the arrows and press on OK

SETTINGS				
Tramline Creation				
RhNo.	Lngh	Left	Right	
999				
Indiv.	Lngh	Left	Right	
8	0	0	0	0

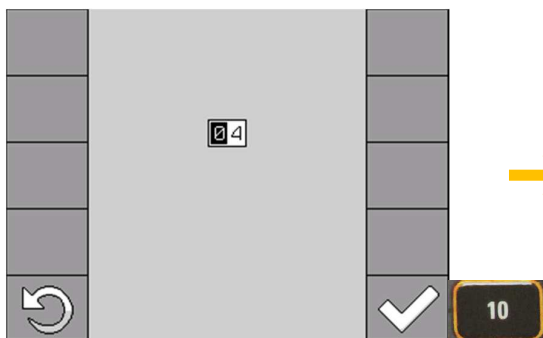
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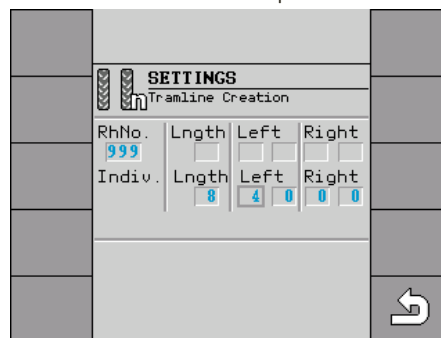
AGRISEM
INTERNATIONAL

7 – The marking / Passage of a sprayer astride on 2 passages of a seeder

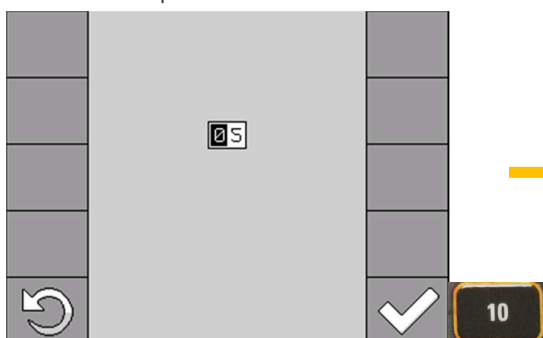
9 bis – Select the 1st activation passage with the arrows and press on button 10



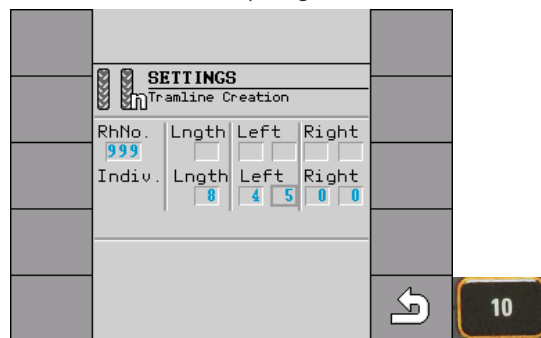
10 bis – With the arrows, go on the 2nd box on the side to be activated and press on OK



11 bis – Select the 2nd passage of activation with the arrows and press on button 10



12 bis – The marking is programmed. The left hand side valve will activate at the 4th and 5th passage. Press on button 10

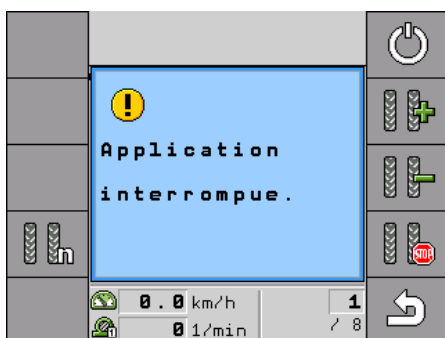


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7 – The marking / Passage of a sprayer astride on 2 passages of a seeder

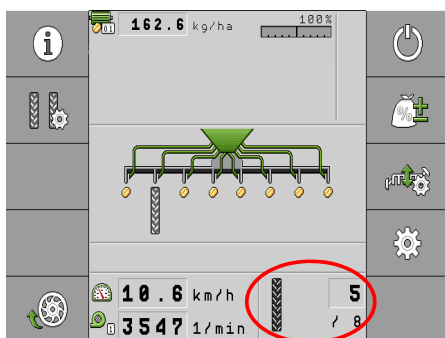
13 bis – Press on button 10 to come back to the main screen



14 bis – At the 4th passage, the left hand side valve activates itself for the first time

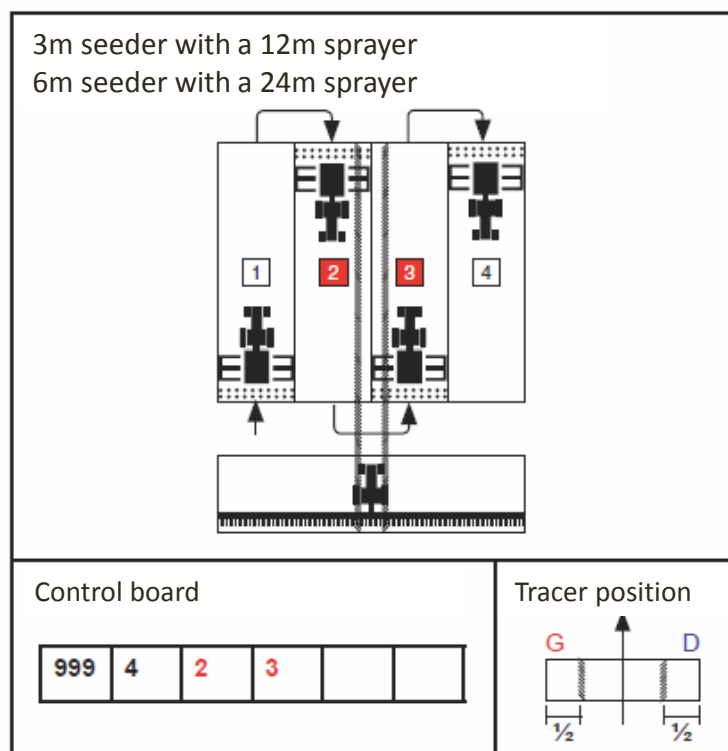


15 bis – At the 5th passage, the left hand side valve activates itself for the second time

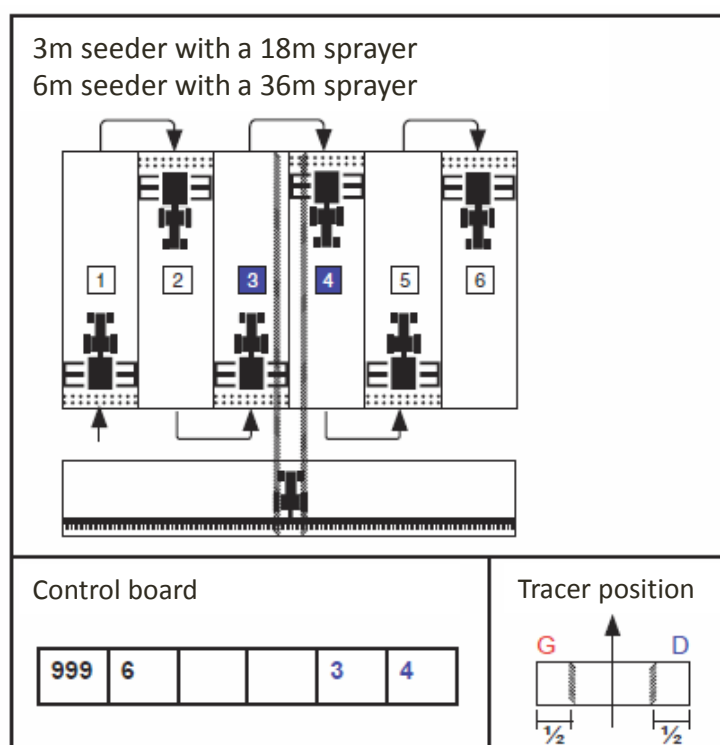


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7 – The marking / Passage of a sprayer astride on 2 passages of a seeder

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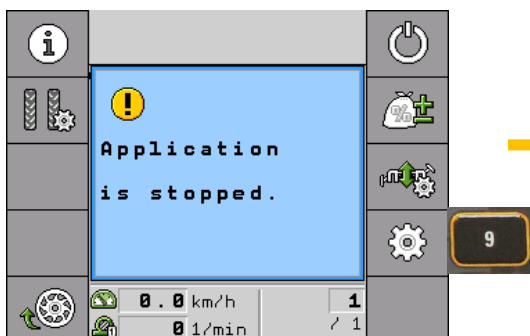
**7 – The marking /** Passage of a sprayer astride on 2 passages of a seeder

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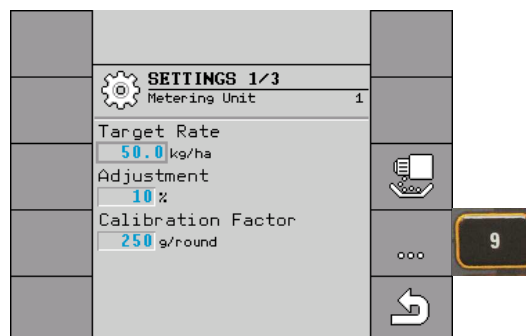


8 – Diagnostic mode

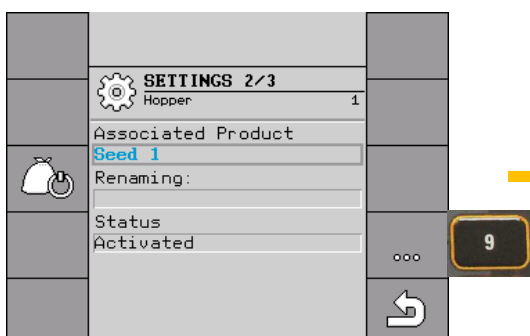
1- To go in the diagnostic mode, press on button 9 on the main screen



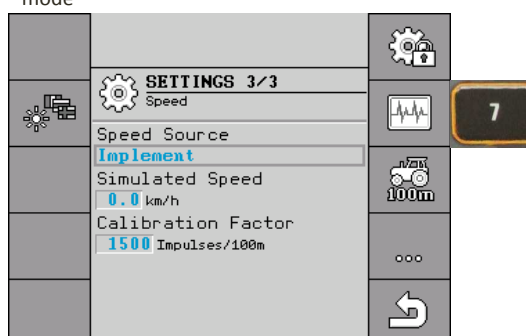
2 – Press on button 9 (2nd time)



3 – Press on button 9 (3rd time)



4 – Press on button 7 to go in the diagnostic mode



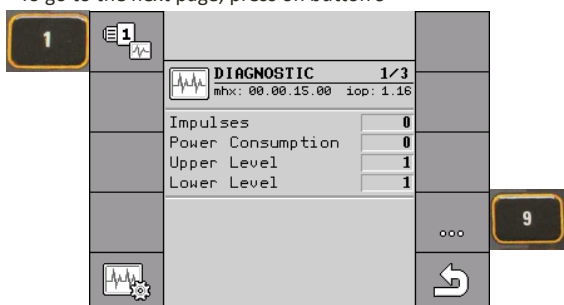
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8 – Diagnostic mode

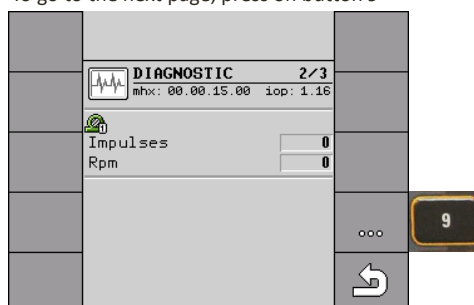
5 – On this page, by pressing on button 1, the distribution turns on and we can read the results on the boxes in the middle.

To go to the next page, press on button 9

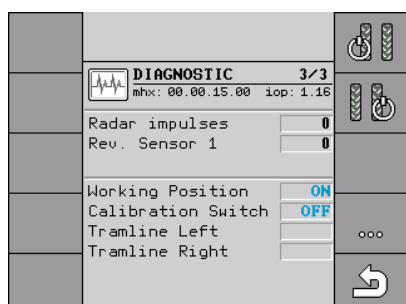


6 – On this page, we can see the settings related to the turbine.

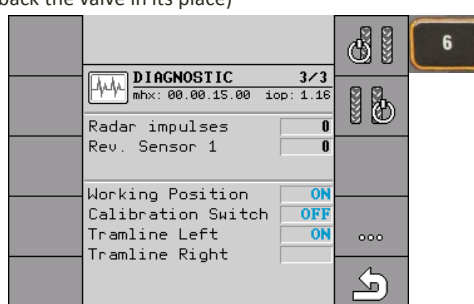
To go to the next page, press on button 9



7 – On this screen, we can test all the other contactors of the machine



8 – By pressing on button 6, we activate the left hand side marking valve and check its functioning (careful, do not forget to put back the valve in its place)

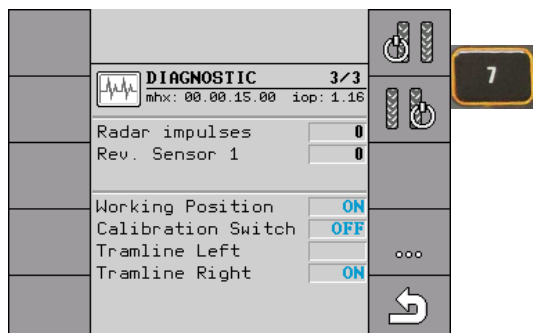


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8 – Diagnostic mode

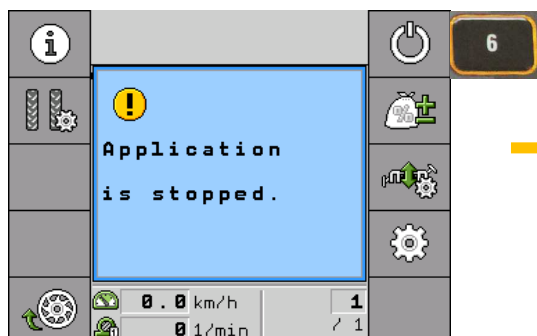
9 – By pressing on button 7, the right hand side marking valve is activated , to check its functioning



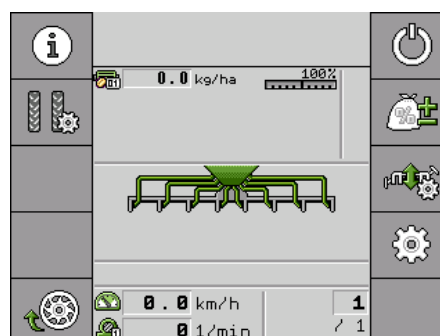
- The diagnostic mode is there to check if the sent orders by the monitor are received by the different organs of the machine and that the information of the captors are sent to the monitor.

9 – The seeder

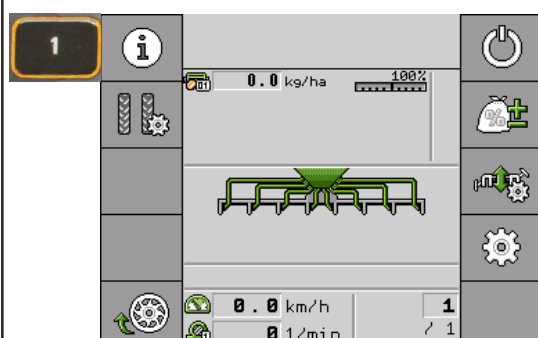
1 – Each time the computer is switched on, you will have this screen to activate the seeding. Press on button 6



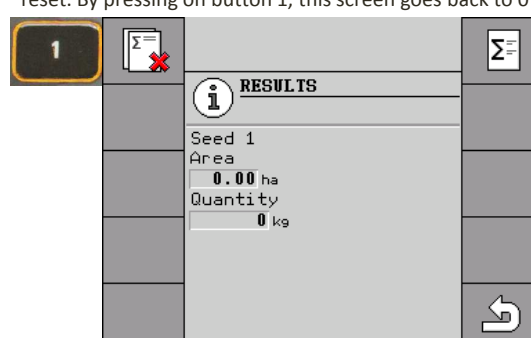
2 – Only after this step, the seeder is active



Button 1 enables to go in the information

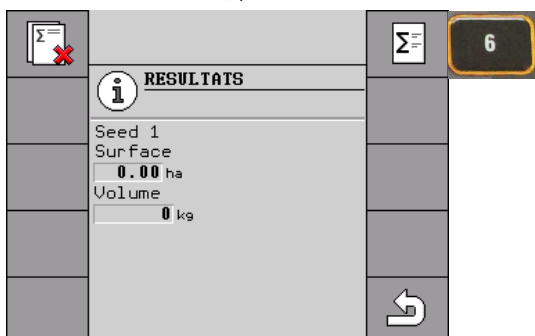


On this screen, we can see the sowed surface since the latest reset. By pressing on button 1, this screen goes back to 0

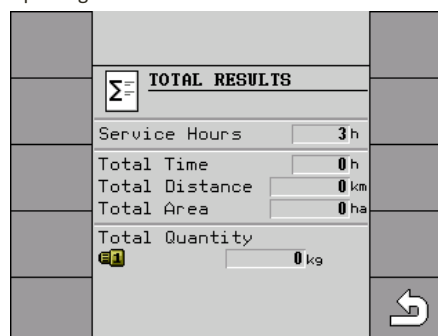


9 – The seeder

The surface has been put to 0.
To see the total surface, press on button 6



On this screen we can see the totals of different criterias, without any possibility of putting back to 0



10 – General information

The button 2 on the screen enables to go in the marking settings



The button 7 enables to go on to a new passage manually



The button 8 enables to go back to a passage manually

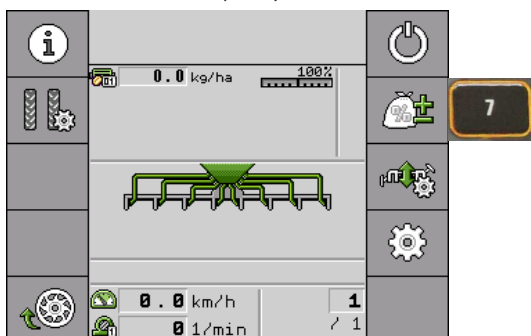


The button 9 enables to block on the passage where you are (in case of lifting, lowering several times in the same passage)



10 – General information

The button 7 enables to go in the settings of modulation of the temporary doses



The button 6 enables to increase the temporary dose of 10 % at each pressure



The button 7 enables to decrease temporarily the dose of 10 % at each pressure



The button 8 enables to come back to the normal dose



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11 – Error message

Error message	Explication	Points to check
Hopper is low	The hopper is nearly empty	
Metering shaft is stationary	The metering unit is blocked	<ul style="list-style-type: none"> Object in the distribution Bad setting of the metering unit opening/product exceeded chain
Fan is rotating too slowly	The fan isn't turning quickly enough to blow enough air	<ul style="list-style-type: none"> Oil flow Functioning of the blower captor
Fan is rotating too fast	The fan is turning too quickly, risk of deterioration of the turbine	<ul style="list-style-type: none"> Decrease of the hydraulic flow of the distributor
Metering drive cannot maintain target rate / Metering drive regulation range exceeded	The motor is turning too slowly or too quickly	<ul style="list-style-type: none"> Change the progress speed Activate or deactivate some ribs in the metering unit

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