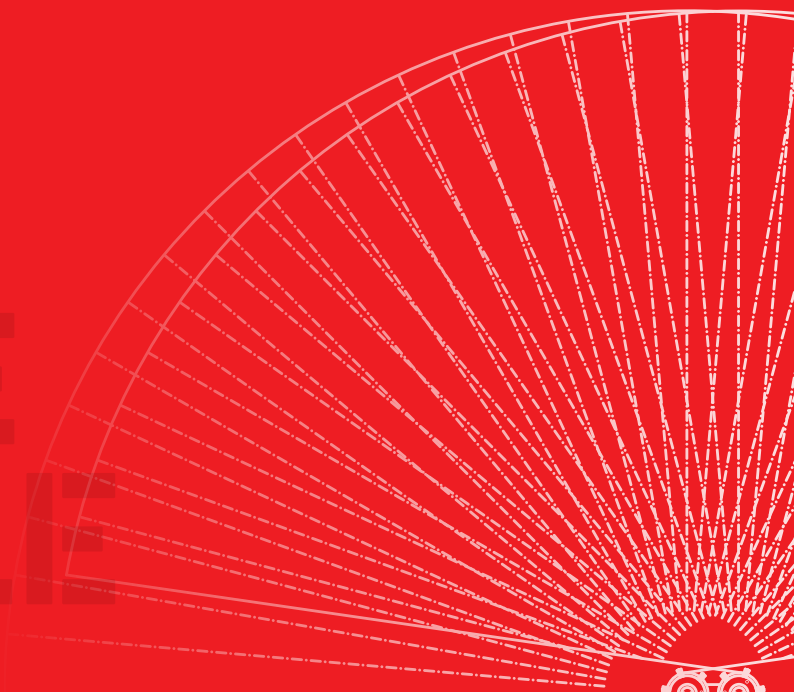




# MICRO DOSING FOR F4 OPERATING INSTRUCTIONS



SIMPLE  
PRECISE  
RELIABLE



# MICRO-DOSING SET

> THE SET CONTAINS THE FOLLOWING COMPONENTS:

- 1 SET OF MICRO-DOSING LIDS
- 1 STORAGE BOX
- 2 COLLECTION TRAYS
- 1 ELECTRONIC SCALE
- USER INSTRUCTIONS



*Errors and omissions excepted.*

*The terms and conditions of sale and delivery can be found on [www.bredal.com/en/betingelser](http://www.bredal.com/en/betingelser)*

# MICRO DOSING, TYPE F4:

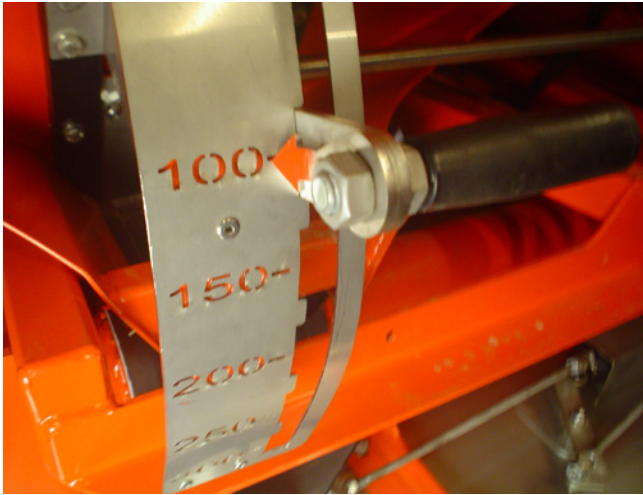
Instructions for dosing settings and spreading of slug pellets/seeds using type F4, fitted with micro-dosing equipment.

As the wide variety of slug pellets/seeds available differ greatly, it is necessary to conduct an outflow test to check the spreader's application rate. Follow the instructions.

## > OUTFLOW TEST, MICRO DOSING

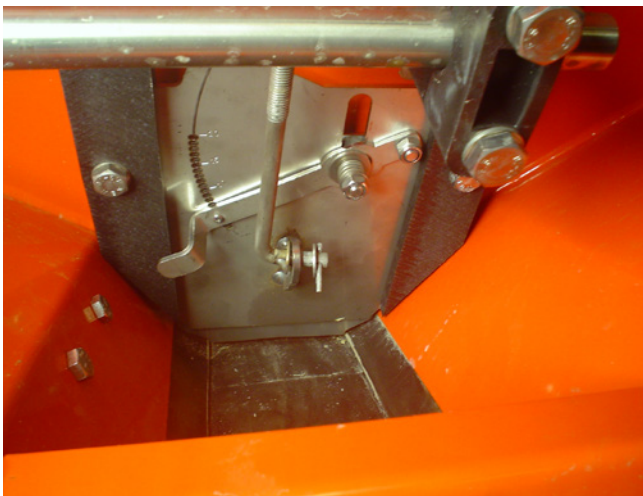
Set the rear door at scale 100.

**Important!** Remember to reset the doors to their original position when spreading fertilizer again.

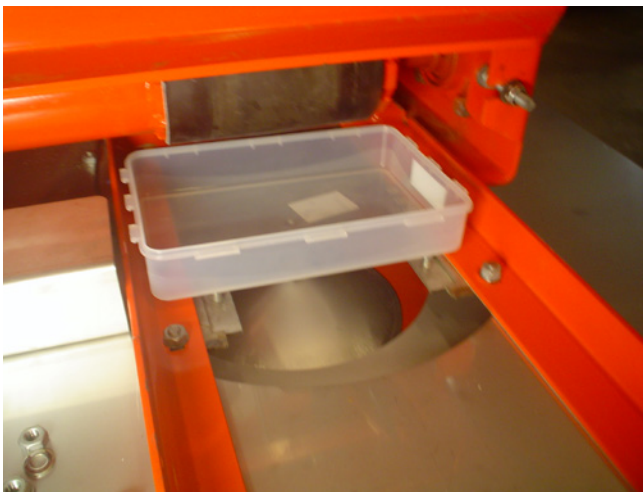


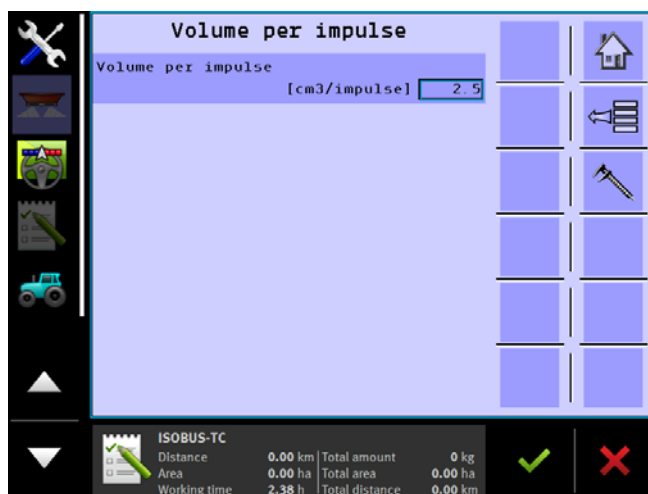
Set the micro-dosing doors at scale 10 on both sides.

**Important!** Remember to reset the doors to their original position when spreading fertilizer again.



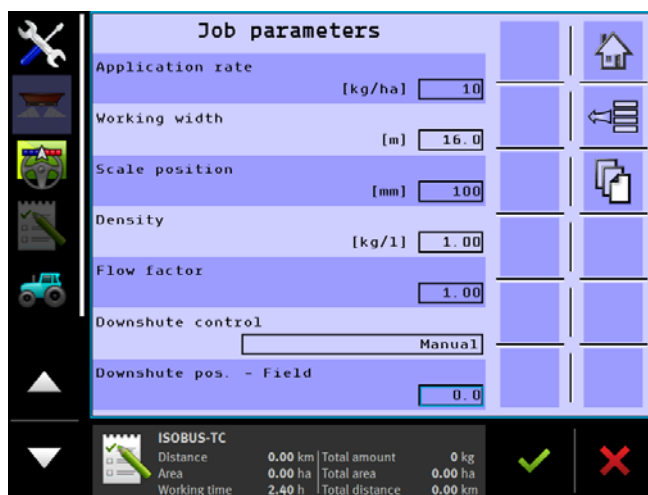
Disassemble the downshutes and place a collection tray underneath each floor belt.





Press Menu / Machine / Calibrations / Volume per impulse. Enter 2.5 and press “Enter”.

**Important!** Remember to reset the figure to its original setting (7.5) when spreading fertilizer again.



The following settings are to be entered under “Job parameters”:

Application Rate in kg/ha

Working width (maximum of 24 metres)

Scale position: 100.

Density of 1.00, regardless of the actual density of the material.

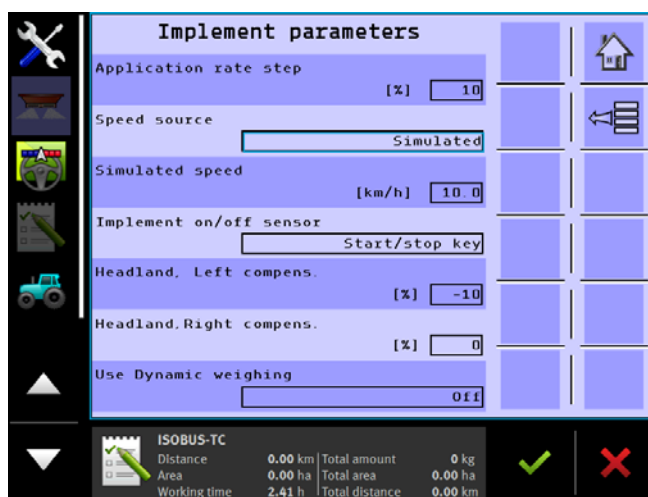
Flow factor: 1.00

Downshute control: manual

Downshute scale, field spreading: 0

Downshute scale, headland spreading: 0

**Important!** Remember to reset the current settings when spreading fertilizer again.



Press Menu/ Machine settings / Implement parameters.

Select “Simulated speed”

Enter “10 km/h” under “Simulated speed”.

Turn OFF dynamic weighing.

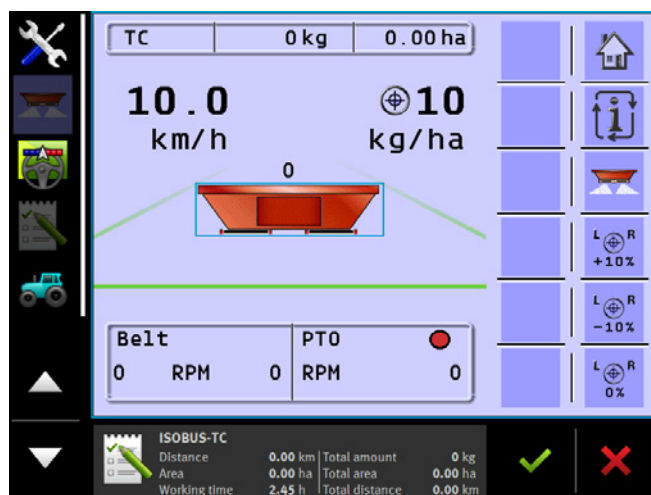
**Important!** Remember to reset the current settings when spreading fertilizer again.





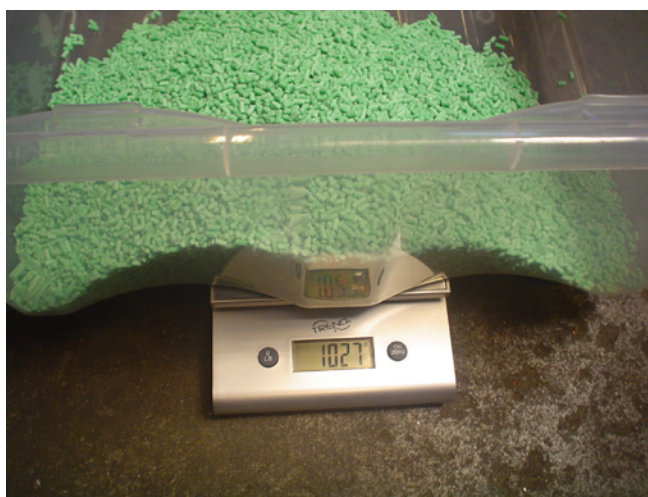
Press the computer's start button and allow the belts to run for a few seconds until material starts flowing down into the collection trays.  
Stop the spreading.  
Empty the collection trays.

If the selectable alarms "Spreading disc alarm", or "Kg residual" are active, they will be activated shortly after pressing "Start".  
Turn off both alarms under Menu / Machine / Alarm configurations



Reset the hectare counter.  
Do this by deleting the last task in the task controller, either by closing down or restarting the terminal.

Now the outflow test can be performed:  
Press the start/stop button and allow the belts to run. Keep an eye on the hectare counter. When 0.10 hectare has been counted, press the start/stop button again.



Weigh the collected volume. As only 0.1 ha have been covered, multiply the collected volume by 10.  
As shown in the picture, 1.027 kg were collected.  
 $1.027 \times 10 = 10.27$   
Thus, 10.27 kg/ha were applied and 10 kg/ha were entered.  
If, as in the example, the application rate is too high, reduce the preferred application rate in the computer and repeat the test until you get a satisfactory result.

Please note that in practice, the spreader applies 10–15% more than during a stationary outflow test. Therefore, slightly decrease the application rate setting for the outflow test to compensate for this.

Before field spreading begins, reattach the downshutes.

Turn off “Simulated speed” so that the spreader operates according to the speed sensor (CAN).

For spreading, do not use weighing to adjust the flow factor, as the volumes to be spread are too small to provide a correct calculation. Therefore, leave “Dynamic weighing” in the OFF position.

Headland spreading is usually not used for spreading seeds/slug pellets.

If you wish to use headland spreading to avoid spreading beyond a boundary, the downshute scale for headland spreading should be set at “0” on both sides.

### > SPREADING SEEDS/SLUG PELLETS

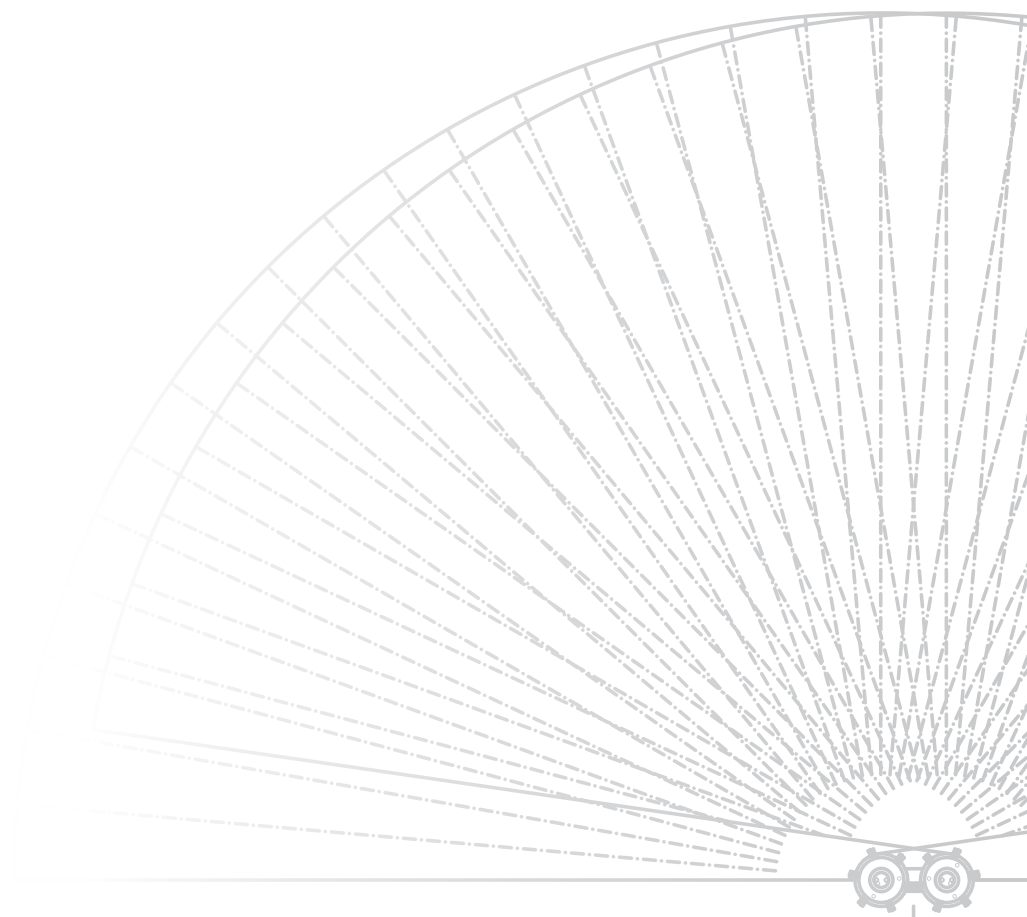
The table below shows the settings to be used for spreading seeds/slug pellets.

If working widths less than 12 metres are used, use the setting for 12 m.

Working width	PTO rpm	Downshute position
12m	540	0
15m	540	0
16m	540	0
18m	700	0
20m	700	0
24m	800	0

The maximum working width is 24 metres.

A maximum of 800 rpm should be used. Exceeding this will ruin the seeds and wider working widths will not be possible.





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For more than 50 years, Bredal has specialised in the development and production of high-quality lime and fertiliser spreaders for agricultural purposes. The company's goal is to build reliable machinery, precise in use, and simple to operate and maintain. In recent years, the Bredal product line has been expanded to include winter equipment in the form of sand and salt spreaders.

The company's interests in most of the countries importing Bredal machinery are represented by local importers who sell Bredal spreaders and provide technical support and service.

Bredal is located in Vejle, Denmark, where it has state-of-the-art production facilities with the latest equipment for producing high-quality machines.