



Original operating manual

Control computer
EasySet 2 IceTiger

This operating manual is valid as of software version 220221



SmartLearning



TABLE OF CONTENTS

1	About this operating manual	1	7.2	Entering the pulses per 100 m	14
1.1	Copyright	1	7.3	Performing a spread rate check	16
1.2	Diagrams	1	7.4	Calibrating the brine addition	17
1.2.1	Warnings and signal words	1	7.5	Adjusting the working width	18
1.2.2	Further instructions	2			
1.2.3	Instructions	2	8	Using the work lights and hopper interior lighting	20
1.2.4	Lists	4			
1.2.5	Item numbers in figures	4	9	Using the warning beacon	21
1.2.6	Direction information	4			
1.3	Other applicable documents	4	10	Spreading with speed-dependent metering	22
1.4	Digital operating manual	4			
1.5	Your opinion is important	4	11	Spreading without speed-dependent metering	24
2	Safety and responsibility	5	12	Emptying the spreader	26
2.1	Road traffic	5			
2.2	Maintenance and storage	5	13	Overview of the functions	27
2.3	Design changes	6			
2.4	Display	6	14	Troubleshooting	29
3	Intended use	7	15	Appendix	34
			15.1	Other applicable documents	34
4	Product description	8			
4.1	Overview of the control computer	8	16	Directories	35
4.2	Function of the control computer	8	16.1	Glossary	35
4.3	Buttons	9	16.2	Index	36
4.4	Work display	10			
5	Connecting the control computer	11			
6	Selecting the operating type	12			
7	Calibrating the spreader	13			
7.1	Determining the pulses per 100 m	13			

About this operating manual

1

CMS-T-00000081-J.1

1.1 Copyright

CMS-T-00012308-A.1

Reprinting, translation and reproduction in any form, including excerpts, require the written approval of AMAZONEN-WERKE.

1.2 Diagrams

CMS-T-005676-G.1

1.2.1 Warnings and signal words

CMS-T-00002415-A.1

Warnings are marked with a vertical bar with a triangular safety symbol and the signal word. The signal words "*DANGER*", "*WARNING*" or "*CAUTION*" describe the severity of the potential danger and have the following meanings:



DANGER

- ▶ Indicates a direct threat with high risk for severe physical injury, such as loss of limbs or death.



WARNING

- ▶ Indicates a possible threat with moderate risk for severe physical injury or death.



CAUTION

- ▶ Indicates a threat with low risk for light or moderately severe physical injuries.

1.2.2 Further instructions

CMS-T-00002416-A.1



IMPORTANT

- ▶ Indicates a risk for damage to the implement.



ENVIRONMENTAL INFORMATION

- ▶ Indicates a risk for environmental damage.



NOTE

Indicates application tips and instructions for optimal use.

1.2.3 Instructions

CMS-T-00000473-E.1

1.2.3.1 Numbered instructions

CMS-T-005217-B.1

Actions that have to be performed in a specific sequence are represented as numbered instructions. The specified sequence of the actions must be observed.

Example:

1. Instruction 1
2. Instruction 2

1.2.3.2 Instructions and responses

CMS-T-005678-B.1

Reactions to instructions are marked with an arrow.

Example:

1. Instruction 1
- ➔ Reaction to instruction 1
2. Instruction 2

1.2.3.3 Alternative instructions

CMS-T-00000110-B.1

Alternative instructions are introduced with the word "or".

Example:

1. Instruction 1

or

Alternative instruction

2. Instruction 2

1.2.3.4 Instructions with only one action

CMS-T-005211-C.1

Instructions with only one action are not numbered, but rather shown with a arrow.

Example:

▶ Instruction

1.2.3.5 Instructions without sequence

CMS-T-005214-C.1

Instructions that do not require a specific sequence are shown as a list with arrows.

Example:

▶ Instruction

▶ Instruction

▶ Instruction

1.2.3.6 Workshop work

CMS-T-00013932-B.1

WORKSHOP WORK

- ▶ Identifies maintenance work that must be performed at a workshop that is adequately equipped in terms of agricultural technology, safety and environmental technology by specialist personnel with appropriate training.

1.2.4 Lists

CMS-T-000024-A.1

Lists without an essential order are shown as a list with bullets.

Example:

- Point 1
- Point 2

1.2.5 Item numbers in figures

CMS-T-000023-B.1

A framed number in the text, e.g. a 1, indicates an item number in an adjacent figure.

1.2.6 Direction information

CMS-T-00012309-A.1

Unless otherwise specified, all directions are always seen in the direction of travel.

1.3 Other applicable documents

CMS-T-00000616-B.1

A list of other applicable documents can be found in the Appendix.

1.4 Digital operating manual

CMS-T-00002024-B.1

The digital operating manual and e-learning can be downloaded from the Info Portal on the AMAZONE website.

1.5 Your opinion is important

CMS-T-000059-D.1

Dear reader, our documents are updated on a regular basis. Your suggestions for improvement help us to create ever more user-friendly documents. Please send us your suggestions by post, fax or email.

AMAZONEN-WERKE H. Dreyer SE & Co. KG
Technische Redaktion
Postfach 51
D-49202 Hasbergen
Fax: +49 (0) 5405 501-234
E-Mail: tr.feedback@amazone.de

CMS-I-00000638

Safety and responsibility

2

CMS-T-00004961-D.1

2.1 Road traffic

CMS-T-00003620-D.1

Do not use the control computer or control terminal during road travel

If the driver is distracted, it can result in accidents and injuries or even death.

- ▶ Do not operate the control computer or control terminal during road travel.

2.2 Maintenance and storage

CMS-T-00003621-E.1

A short circuit can cause damage

When repair work is performed on the tractor or on a towed or mounted implement, there is a risk of short circuit.

- ▶ *Before you perform maintenance work:*
Disconnect all connections between the control terminal or control computer and the tractor.

Overvoltage can cause damage

If welding work is performed on the tractor or on a towed or mounted implement, the control computer or control terminal can be damaged by overvoltage.

- ▶ *Before welding:*
Disconnect all connections between the control terminal or control computer and the tractor.

Improper cleaning can cause damage

- ▶ Clean the control computer or control terminal only with a moist, soft cloth.

Incorrect operating temperature and storage temperature can cause damage

If the operating temperature and storage temperature are not observed, there can be damage to the control computer or control terminal, therefore resulting in malfunctions and dangerous situations.

- ▶ Operate the control computer or control terminal only at temperatures from -20°C to +65°C.
- ▶ Store the control computer or control terminal only at temperatures from -30°C to +80°C.

2.3 Design changes

CMS-T-00003622-D.1

Unauthorised changes and unauthorised use

Unauthorised changes and unauthorised use can impair your safety and affect the service life and/or function of the control terminal.

- ▶ Only make changes to the control computer or control terminal that are described in the operating manual for the control computer or control terminal.
- ▶ Use the control computer or control terminal according to its intended use.
- ▶ Do not open the control computer or control terminal.
- ▶ Do not pull on the lines.

2.4 Display

CMS-T-00003624-D.1

Risk of accident due to faulty display screens

If the display is faulty or the view on the screen is limited, functions can be accidentally activated and therefore trigger implemented functions. This can result in injury or death.

- ▶ *If the view on the display screen is limited:*
Stop operations.
- ▶ *If the display screen is faulty:*
Restart the control computer or the control terminal.

Intended use

3

CMS-T-00014622-A.1

- The control computer is used to control agricultural implements.
- The operating manual is part of the control computer. The control computer is solely intended for use in compliance with this operating manual. Uses of the control computer that are not described in this operating manual can lead to serious personal injuries or even death and to implement and material damage.
- Uses other than those specified under the intended use are considered as improper. The manufacturer is not liable for any damage resulting from improper use, solely the operator is responsible.

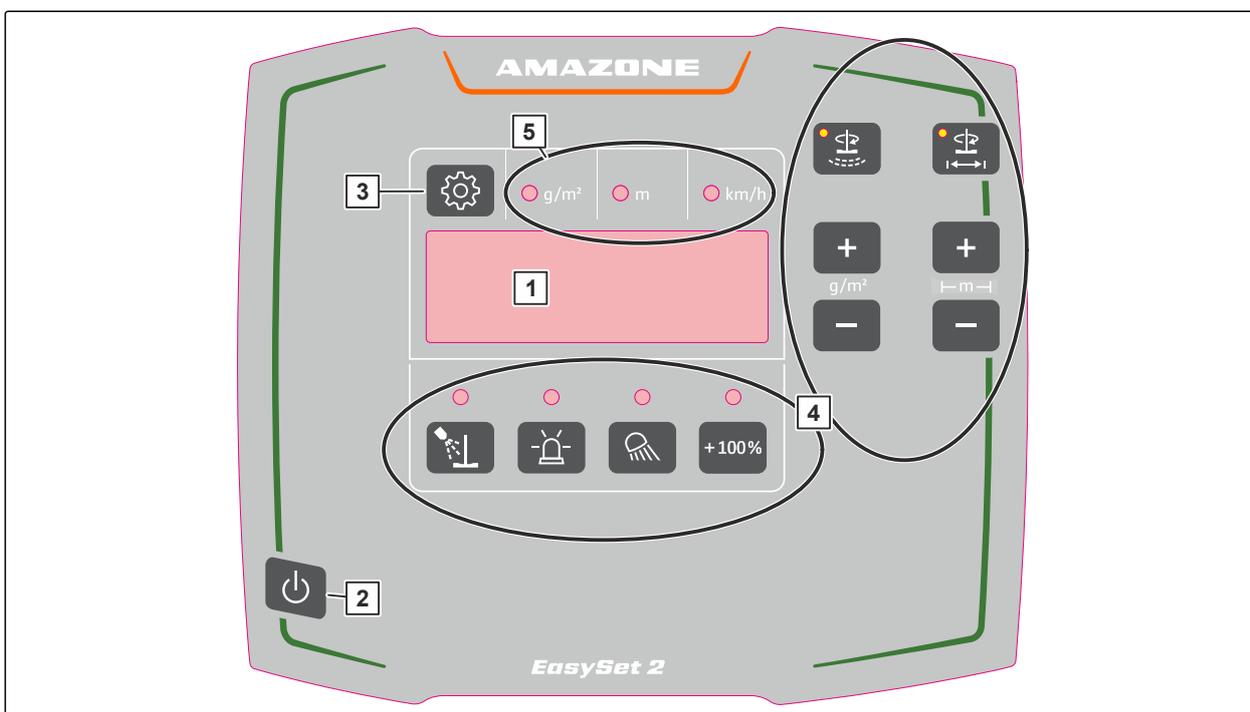
Product description

4

CMS-T-00004911-C.1

4.1 Overview of the control computer

CMS-T-00004913-C.1



CMS-I-00003508

- 1** Display
- 2** switching on and off
- 3** Settings
- 4** Function keys, with LED for showing the activated function
- 5** LEDs for showing the spread rate, working width and working speed factors

4.2 Function of the control computer

CMS-T-00004912-C.1

The EasySet 2 control computer controls the operation of the implement from the tractor.

The control computer has the following functions:

- Starting or stopping the spreading disc drive.
- Starting or stopping the spreading material metering unit.
- Adjusting the spread rate.
- Adjusting the working width.
- Doubling the spread rate.
- Emptying the spreader.
- Switching the work lights and hopper interior lighting on or off.
- Switching the warning beacon on or off.

4.3 Buttons

CMS-T-00004915-C.1

Button	Function
	Switch the EasySet 2 on or off
	Start or stop the spreading material metering unit
	Pre-metering
	Start or stop the spreading disc drive
	Show the current working width
	Increase or reduce the spread rate
	Increase or reduce the working width
	Start or stop the brine addition
	Switch the warning beacon on or off
	Switch the work lights and hopper interior lighting on or off
	Double the spread rate
	Entering the settings

NOTE

When functions are activated, the LEDs on the corresponding buttons are lit.

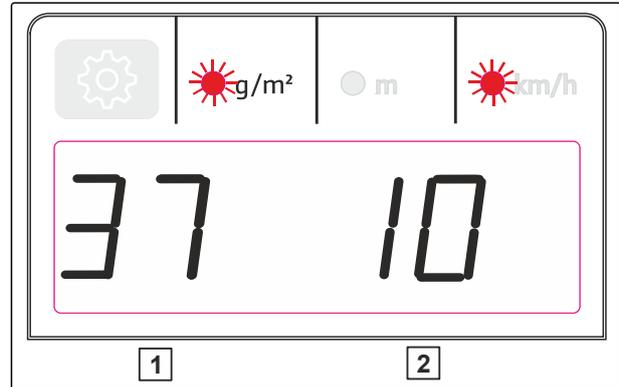
4.4 Work display

CMS-T-00004928-B.1

The display shows the set or determined values. The LEDs above the display show which values are being shown on the display. When the working width is being adjusted, the work display switches back to the standard display after a short time.

Standard display

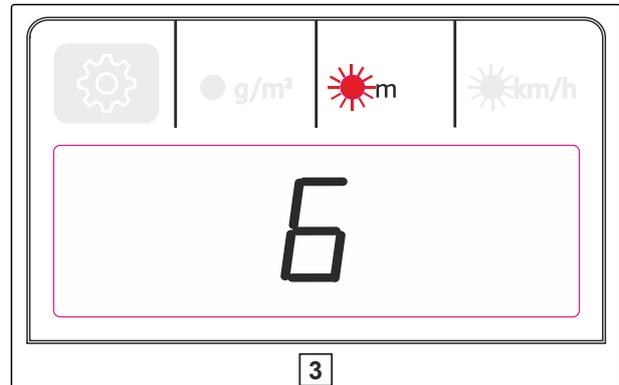
- 1 Value for target spread rate g/m^2
- 2 Forward speed



CMS-I-00003524

Display when adjusting the working width

- 3 Working width in meters. Possible values: 1 - 8 m.



CMS-I-00003523

Connecting the control computer

5

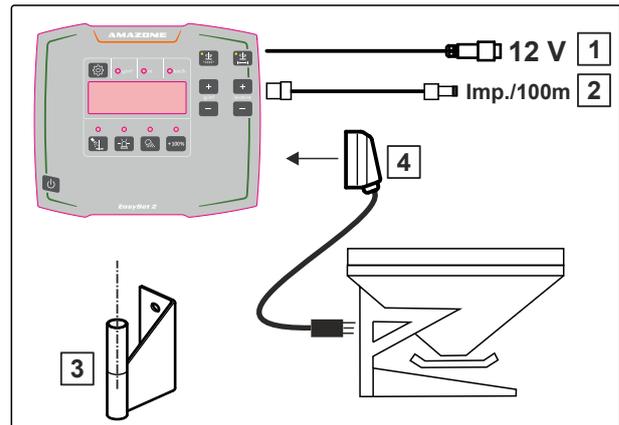
CMS-T-00004930-C.1

1. Connect the connection cable **1** for the power supply.
2. Connect the connection cable **2** for the speed signal to the signal socket

or

Connect the connection cable **2** for the speed signal to a wheel sensor.

3. Use the holder **3** to install the EasySet 2 control computer in the tractor cab.
4. Connect the implement plug **4** to the EasySet 2 control computer.



CMS-I-00003527

Selecting the operating type

6

CMS-T-00004933-D.1

When switching on the EasySet 2, the operating type briefly appears on the display.

- Operating type 2: metering without brine with simulated speed of 12 km/h
- Operating type 3: metering with brine with simulated speed of 12 km/h
- Operating type 4: speed-dependent metering without brine
- Operating type 5: speed-dependent metering with brine

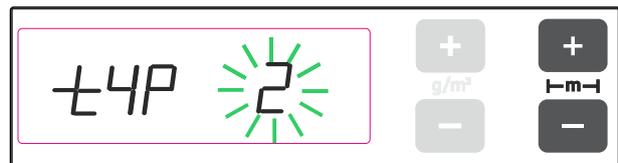
1. Switch off the EasySet 2.

2. Press  and  simultaneously and hold until the operating type is shown and  flashes rapidly.



CMS-I-00003530

3. Select the desired operating type with .



CMS-I-00003529

➔ The changed operating type flashes.

4. Save the entry with .

or

Abort configuration with .

5. Restart the EasySet 2.

6. Check the displayed operating type.

Calibrating the spreader

7

CMS-T-00004945-E.1

7.1 Determining the pulses per 100 m

CMS-T-00005270-C.1

The control computer needs the "*pulses per 100 m*" to calculate the following values:

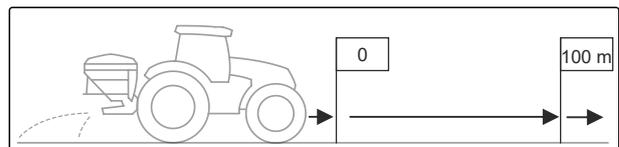
- Actual forward speed
 - Calculation of the speed-dependant spread rate
1. *If the pulses per 100 m are known,*
Observe the section "*Entering the pulses per 100 m*", see page 14.

NOTE

The "*Pulses per 100 m*" calibration factor must be determined under operating conditions.

If 4-wheel drive is being used, the 4-wheel drive must be switched on when determining the "*pulses per 100 m*".

2. Measure out a distance of 100 m.



CMS-I-00003539

3. Mark the start point and end point.
 4. Drive up to the start point.
 5.  Switch on the EasySet 2.
- ➔ The set operating type briefly appears. Then the work display is shown.

7 | Calibrating the spreader

Entering the pulses per 100 m

6. Press  and  simultaneously.

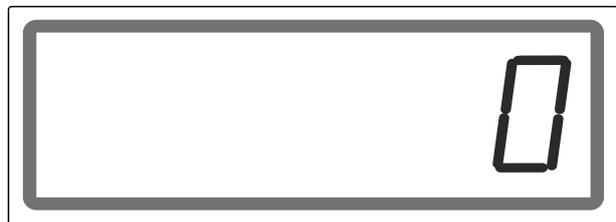


CMS-I-00003536

- The current value for the "pulses per 100 m" appears.

7. Press  and hold for 2 seconds.

- The display will be set to "0".



CMS-I-00003538

8. Drive to the end point.

- The determined "pulses per 100 m" will be displayed.



CMS-I-00003536

9.  Save the "pulses per 100 m"

or

 Reject the determined value.

- EasySet 2 will be switched off.

7.2 Entering the pulses per 100 m

CMS-T-00005269-C.1

The control computer needs the pulses per 100 m to calculate the following values:

- Actual forward speed
- Calculation of the speed-dependant spread rate



NOTE

The pulses per 100 m must be determined in the following cases:

- The pulses per 100 m are not known
- Before initial operation
- When using a different tractor or changing the tractor tyre size
- If there are differences between the determined and actual forward speed
- If there are differences between the desired and actual spread rate
- If there are different soil conditions

1. *If the pulses per 100 m need to be determined, follow the instructions in section "Determining the pulses per 100 m".*

2. Switch on the EasySet 2 with .

➔ The set operating type briefly appears. Then the work display is shown.

3. Press  and  simultaneously.

➔ The current value for the pulses per 100 m appears.

4.  Correct the value.



NOTE

The minimum value for the pulses per 100 m is of 200.

5.  Save the value.



CMS-I-00003536

7.3 Performing a spread rate check

CMS-T-00005224-E.1



REQUIREMENTS

- ☑ Spreading material hopper is filled
- ☑ The spreading disc is removed and a container is placed under the discharge chute; see section "*Preparing the spread rate check*" in the operating manual for the IceTiger mounted spreader
- ☑ Hydraulic system for the spreading disc drive, the spreading material metering unit and the brine pump is switched on
- ☑ EasySet 2 is correctly connected
- ☑ Operating type 2 or 3 is selected

1.  Switch on the EasySet 2.

➔ The set operating type briefly appears. Then the work display is shown.

2. *To display the current calibration factor:*

Keep  and  pressed at the same time.

3. *If the displayed calibration factor does not have the value 1.00:*



Change the calibration factor "K" to 1.00.

4.  Confirm the entry.



5. Set the spread rate to 20 $\frac{g}{m^2}$.



6. Set the working width to 4 m.

7. press and hold  until the acoustic signal stops.

➔ The LED on the button is lit. The spreading disc is rotating.

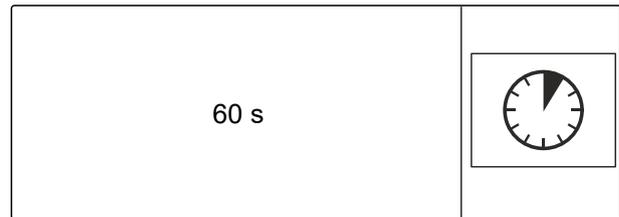
8.  Press and hold for 3 seconds.

➔ The LED on the button is lit. Spreading starts with a simulated speed of 12 km/h.

9. Measure the time during spreading.

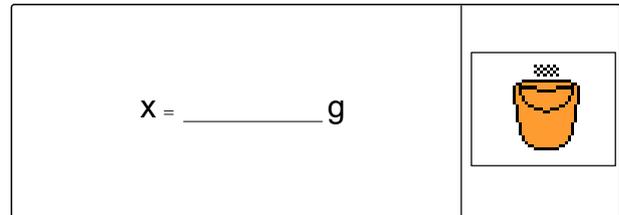
10.  Stop spreading after 60 seconds.

11.  Switch off the spreading disc drive.



CMS-I-00005426

12. Weigh the spread rate collected in the container "x".



CMS-I-00005424

13. *To calculate the new calibration factor K_{new} :*
Divide 16,000 g by the collected quantity "x" in g.

- Example: the quantity collected after 60 seconds weighs 18,400 g. 16,000 g divided by 18,400 g results in the new calibration factor " K_{new} " = 0.87.

$$K_{new} = \frac{16\,000\text{ g}}{x\text{ g}}$$

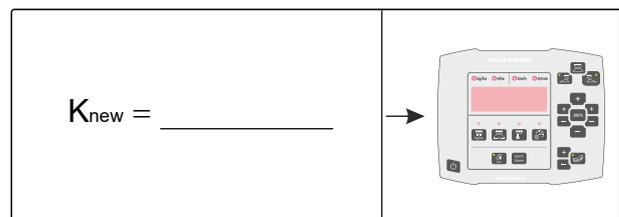
$$K_{new} = \underline{\hspace{2cm}}$$

CMS-I-00005425

14. *To enter the new calibration factor " K_{new} ":*

Keep  and  pressed at the same time.

15.   Change the calibration factor to the new calculated value " K_{new} ".



CMS-I-00003748

16.  Confirm the entry.

7.4 Calibrating the brine addition

CMS-T-00007645-B.1

If the desired and the actual quantity of added brine do not match and the pre-wetted salt produced for spreading does not have the right mixing ratio of dry salt and brine, the brine addition can be adjusted with a calibration factor.

REQUIREMENTS

- ☉ EasySet 2 is connected

1.  Switch on the EasySet 2.

➔ The set operating type briefly appears. Then the work display is shown.

7 | Calibrating the spreader

Adjusting the working width

2. *To change the calibration factor for the brine addition:*

Keep  and  pressed at the same time.

➔ The current calibration factor will be shown.

3. 
 Change the calibration factor.

If, for example, 10 % too little brine is being added and the current calibration factor is 1.0, the calibration factor must be increased to 1.10. If, for example, 5 % too much brine is being added and the current calibration factor is 1.0, the calibration factor must be reduced to 0.95.

4.  Confirm the entry.

7.5 Adjusting the working width

CMS-T-00004948-C.1

If the desired and the actual working width do not match, the working width can be calibrated with a calibration factor.

To calculate the calibration factor, the following values are required:

- Desired working width "A" in m
- Actual working width "X" in m
- Current calibration factor "K"

1.  Switch on the EasySet 2.

➔ The set operating type briefly appears. Then the work display is shown.

2. 
 Call up the desired working width "A".

3. Determine the actual working width "X".

4. *To determine the current calibration factor K:*

Keep  and  pressed at the same time.

➔ The current calibration factor "K" will be shown.

5.  Confirm the entry.

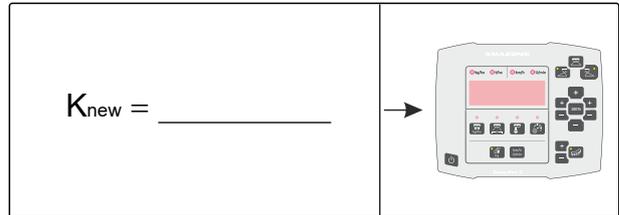
6. Calculate the new calibration factor " K_{new} ".

$$K_{new} = \frac{A}{X} \cdot K$$
$$K_{new} = \underline{\hspace{2cm}}$$

CMS-I-00003753

7. To enter the new calibration factor " K_{new} ":

Keep  and  pressed at the same time.



CMS-I-00003748

8. Change the calibration factor to " K_{new} " with  .

9.  Confirm the entry.

Using the work lights and hopper interior lighting



CMS-T-00004940-C.1

The work lights and the hopper interior lighting are switched in parallel.

When the work lights and hopper interior lighting are switched on, the display brightness is reduced.

The work lights and the hopper interior lighting are switched on the following sequence:

1. White work lights and white hopper interior lighting
2. Red work lights and white hopper interior lighting
3. Work lights and white hopper interior lighting off

- ▶  Switch the work lights and the hopper interior lighting.

Using the warning beacon

9

CMS-T-00007660-B.1

- ▶  Switch the warning beacon on or off.

Spreading with speed-dependent metering

10

CMS-T-00004931-C.1

To maintain the target spread rate, the metering unit is regulated depending on the speed. To ensure that gaps are not produced in the worked area when starting to drive, the metering unit can be operated with a simulated speed of 12 km/h. The metering unit is regulated according to the speed above a speed of 6 km/h.



REQUIREMENTS

- ☑ Spreading material hopper is filled
- ☑ For spreading pre-wetted salt: brine tank is filled
- ☑ EasySet 2 is correctly connected
- ☑ Operating type 4 is selected
- ☑ For spreading pre-wetted salt: operating type 5 is selected
- ☑ Spreader is calibrated
- ☑ For spreading pre-wetted salt: brine addition is calibrated
- ☑ Hydraulic system for the spreading disc drive, the spreading material metering unit and the brine pump is switched on

1.  Switch on the EasySet 2.

➔ The set operating type briefly appears. Then the work display is shown.

2.  Set the desired working width.

3.  Set the desired spread rate.

4. *To switch on the spreading disc drive:*

Press and hold  until the acoustic signal stops.

➔ The LED on the button is lit.

5. *To use the metering unit with a simulated speed of 12 km/h:*

Press and hold  for 3 seconds when starting to drive

or

To use the speed-dependent metering:

Press  when starting to drive.

➔ If the simulated speed is being used, the LED on the button flashes. Spreading starts.

➔ If the speed-dependent metering is used, the LED on the button is lit. Spreading starts above a speed of 6 km/h.

6. *If pre-wetted salt should be spread:*

 Switch on the brine addition.

NOTE

Brine addition can only be switched on when operating type 5 is selected.

7. Start driving.

8.  Double the spreading material quantity if necessary.

9.  Change the target spread rate if necessary.

10.  Change the working width if necessary.

11. *To stop spreading:*

Press .

➔ The metering unit stops automatically.

Spreading without speed-dependent metering

11

CMS-T-00004939-C.1

Without speed-dependent metering, the metering unit is operated with a simulated speed of 12 km/h.

NOTE

To maintain the desired target spread rate, the driver must drive at 12 km/h while spreading.

REQUIREMENTS

- ✓ Spreading material hopper is filled
- ✓ For spreading pre-wetted salt: brine tank is filled
- ✓ EasySet 2 is correctly connected
- ✓ Operating type 2 is selected
- ✓ For spreading pre-wetted salt: operating type 3 is selected
- ✓ Spreader is calibrated
- ✓ For spreading pre-wetted salt: brine addition is calibrated
- ✓ Hydraulic system for the spreading disc drive, the spreading material metering unit and the brine pump is switched on

1.  Switch on the EasySet 2.

➔ The set operating type briefly appears. Then the work display is shown.

2.  Set the desired working width.

3.  Set the desired spread rate.

4. *To switch on the spreading disc drive:*

press and hold  until the acoustic signal stops.

5. *To start the metering unit:*

press .

➔ The LED on the button is lit.

➔ Metering begins with the spread rate for 12 km/h.

6. Accelerate to 12 km/h.

7. Maintain a speed of 12 km/h.

8. *If pre-wetted salt should be spread:*

 Switch on the brine addition.



NOTE

Brine addition can only be switched on when operating type 3 is selected.

9.  Double the spreading material quantity if necessary.


10.  Change the target spread rate if necessary.

11. Change the working width with  if necessary.

12. *To stop spreading:*

Press .

➔ The metering unit stops automatically.

Emptying the spreader

12

CMS-T-00004932-C.1

1.  Switch on the EasySet 2.

➔ The set operating type briefly appears. Then the work display is shown.

2. Keep  and  pressed at the same time.

➔ The display shows the spreading disc revolutions per minute **1** and the status of the emptying **2**. The maximum spreading disc speed is 40 1/min. The status is either "0" for "Emptying stopped" or "1" for "Emptying in progress".



CMS-I-00005366

3. *To switch on the spreading disc drive:*

Press and hold  until the acoustic signal stops.

4. *To start emptying:*

Press and hold  until emptying begins.

5. *To stop emptying:*

Press .

6. *To exit the menu:*

 Switch off the EasySet 2.

Overview of the functions

13

CMS-T-00004951-C.1

13 | Overview of the functions

Enter settings	Increase or reduce the spread rate	Start or stop the spreading material metering unit	Increase or reduce the working width	Start or stop the spreading disc drive, actuate for 3 seconds
1	2	3	4	5
10	9	8	7	6
Start or stop the brine addition Not for E+S 01	Switch the warning beacon on or off	Switch the lighting on or off	Double the spread rate	Empty the spreader

Troubleshooting

14

CMS-T-00007663-B.1

Error code	Errors	Cause	Solution
E11	Setpoint is not being maintained	The target spread rate cannot be spread with the set working width and the current speed.	<ul style="list-style-type: none"> ▶ see page 33
E16	The spreading material metering unit is not responding	After starting the spreading material metering unit, the computer does not receive any pulses from the floor belt speed sensor.	<ul style="list-style-type: none"> ▶ Check whether the hydraulic hoses are correctly connected to the tractor. ▶ Check whether the hydraulic system on the tractor is switched on. ▶ Check the power supply to the floor belt speed sensor. There must be at least 12 volts on the 3-pin AMP connector between Pin 1 and Pin 2. ▶ Check if the floor belt speed sensor is correctly set. The distance from the pulse disc must be 2 mm. ▶ Check the wiring harness.
		The power consumption of the floor belt hydraulic valve is too low or too high.	<ul style="list-style-type: none"> ▶ Check the power consumption of the floor belt hydraulic valve. The power consumption must be at least 0.4 A and may not exceed 3 A.

Error code	Errors	Cause	Solution
E17	The spreading disc is not responding	<p>After starting the spreading disc drive, the computer does not receive any pulses from the speed sensor of the spreading disc.</p>	<ul style="list-style-type: none"> ▶ Check whether the hydraulic hoses are correctly connected to the tractor. ▶ Check whether the hydraulic system on the tractor is switched on. ▶ Check the power supply of the spreading disc speed sensor. There must be at least 12 volts on the 3-pin AMP connector between Pin 1 and Pin 2. ▶ Check if the spreading disc speed sensor is correctly set. The distance from the pulse disc must be 2 mm. ▶ Check the wiring harness.
		<p>The power consumption of the spreading disc hydraulic valve is too low or too high.</p>	<ul style="list-style-type: none"> ▶ Check the power consumption of the spreading disc hydraulic valve. The power consumption must be at least 0.4 A and may not exceed 3 A.

Error code	Errors	Cause	Solution
E18	The brine pump is not responding	After starting the brine addition, the computer does not receive any pulses from the brine pump speed sensor.	<ul style="list-style-type: none"> ▶ Check whether the hydraulic hoses are correctly connected to the tractor. ▶ Check whether the hydraulic system on the tractor is switched on. ▶ Check the power supply to the brine pump speed sensor. There must be at least 12 volts on the 3-pin AMP connector between Pin 1 and Pin 2. ▶ Check if the brine pump speed sensor is correctly set. The distance from the pulse disc must be 2 mm. ▶ Check the wiring harness.
		The power consumption of the brine pump hydraulic valve is too low or too high.	<ul style="list-style-type: none"> ▶ Check the power consumption of the brine pump hydraulic valve. The power consumption must be at least 0.4 A and may not exceed 2.5 A.
E20	Spreading disc nominal speed cannot be maintained	The spread rate regulation is active and the recorded spreading disc speed deviates by more than 50 rpm from the setpoint, which results from the settings for the working width and the target spread rate.	<ul style="list-style-type: none"> ▶ Ensure the hydraulic oil supply. ▶ Increase the control unit flow. ▶ Increase the tractor engine speed. ▶ Check if the spreading disc speed sensor is correctly set. The distance from the pulse disc must be 2 mm.
E21	Spreading disc not switched on	The spreading material metering unit was started before the spreading disc drive was started.	<ul style="list-style-type: none"> ▶ Before starting the spreading disc drive by pressing  and holding the button until the acoustic warning signal stops.

Error code	Errors	Cause	Solution
E22	Brine pump nominal speed cannot be maintained	The spread rate regulation is active and the recorded brine pump speed deviates by more than 50 rpm from the setpoint, which results from the settings for the working width and the target spread rate.	<ul style="list-style-type: none"> ▶ Ensure the hydraulic oil supply. ▶ Increase the control unit flow. ▶ Increase the tractor engine speed. ▶ Check if the brine pump speed sensor is correctly set. The distance from the pulse disc must be 2 mm.

E11**Setpoint is not being maintained**

CMS-T-00007675-B.1

1. Reduce or increase the forward speed.
 2. Reduce or increase the target spread rate.
 3. Reduce the working width.
 4. Ensure the hydraulic oil supply.
 5. Check the setting of the floor belt speed sensor.
- ➔ The distance from the pulse disc must be 2 mm.

Appendix

15

CMS-T-00007490-A.1

15.1 Other applicable documents

CMS-T-00007491-A.1

- Tractor operating manual
- Operating manual for the IceTiger 1000 mounted spreader

Directories

16

16.1 Glossary

CMS-T-00000513-B.1

M

Machine

Mounted implements are accessory parts of the tractor. However, mounted implements are always referred to as the implement in this operating manual.

O

Operating materials

Operating materials serve to ensure operational readiness. Operating materials include e.g. cleaning agents and lubricants such as lubricating oil, greases or cleaners.

T

Tractor

In this operating manual, the designation tractor is always used, even for other agricultural tractor units. Implements are mounted on the tractor or towed by the tractor.

16.2 Index

A		I	
Address		Intended use	7
<i>Technical editing</i>	4	K	
B		Keys	
Brine addition		<i>Description</i>	9
<i>calibration</i>	17	M	
C		Metering unit	
Calibrating the spreader		<i>speed-dependent</i>	22
<i>Adjusting the working width</i>	18	<i>speed-independent</i>	24
<i>Calibrating the brine addition</i>	17	O	
<i>Determining the pulses per 100 m</i>	13	Operating type	
<i>Entering the pulses per 100 m</i>	14	<i>checking</i>	12
<i>Spread rate check</i>	16	<i>Select</i>	12
calibration		Overview of the control computer	8
<i>Brine addition</i>	17	<i>Description</i>	8
<i>Spread rate</i>	16	Overview of the functions	27
<i>Working width</i>	18	P	
connecting	11	Pre-metering when starting to drive	22
Contact data		Product description	
<i>Technical editing</i>	4	<i>Display</i>	10
Control computer		<i>Function of the control computer</i>	8
<i>connecting</i>	11	<i>Keys</i>	9
D		<i>Overview of the control computer</i>	8
Digital operating manual	4	<i>Work display</i>	10
Display		Pulses per 100 m	
<i>Description</i>	10	<i>determining</i>	13
E		<i>entering</i>	14
Error		S	
<i>eliminating</i>	29	Speed-dependent metering	22
<i>Error codes</i>	29	Speed-independent metering	24
F		Spreader	
Function of the control computer		<i>emptying</i>	26
<i>Description</i>	8	Spreading	
H		<i>without speed-dependent metering</i>	24
Hopper interior lighting		<i>with speed-dependent metering</i>	22
<i>using</i>	20	Spread rate	
		<i>checking</i>	16

W

Warning beacon <i>using</i>	21
Work display <i>Description</i>	10
Working width <i>adjusting</i>	18
Work lights <i>using</i>	20
Workshop work	3



AMAZONE

AMAZONEN-WERKE

H. DREYER SE & Co. KG

Postfach 51

49202 Hasbergen-Gaste

Germany

+49 (0) 5405 501-0

amazone@amazone.de

www.amazone.de