

LEHNER



SuperVario[®]

Operating instructions with replacement parts list

Control unit LAS 3

Software from version 2.5 onwards

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1. What you should know

1.1 Foreword

Congratulations on your decision to purchase this product. We are grateful that you have placed your trust in us. With the SuperVario®, you have acquired a high-quality and innovative product.

Thanks to its advanced design, meticulous material selection, state-of-the art manufacturing techniques and the conscientious work of our employees, this equipment meets all efficiency, quality, reliability and value requirements.

Maintaining and servicing in accordance with the operating manual ensures the safety of the device and maintains the value of your **SuperVario®**.

1.2 About this operating manual

This operating manual forms part of the SuperVario® and must always be readily available. All persons who work with the SuperVario® must read and follow the operating manual.

They will learn about the technical details and how to control the machine and optimise its performance.

Warning notices

Warning notices in this operating manual are identified as follows:

	Danger! Warning of immediate danger. Non-observance of appropriate measures may result in death and severe personal injury or serious damage to property.
	Warning! Warning of possible danger. Death, severe personal injury or serious damage to property are possible.
	Caution! Warning of possible dangerous situations. Slight personal injury or damage to property are possible.

1.3 Intended use

The **SuperVario®** is used exclusively for spreading granules and seeds.

1.4 Warranty

We offer a 24 month warranty on the **SuperVario®**.



Caution!

Faulty or incorrectly sized plugs and cables can lead to malfunctions. Only use original plugs and cables, or ones approved by the manufacturer.

Any changes to cable or plug connections without factory approval automatically will invalidate the warranty. Motors may not be opened or dismantled.

Warranty repairs must be coordinated with the manufacturer before any work is started.

For replacement parts, additional expenses are automatically charged for any changes made to cables and plugs by the customer. Replacement parts are to be returned carriage paid.

Rusted bearings are not subject to the manufacturer's warranty.

Prior to assembly:

Check your **SuperVario®** upon receipt for any damage caused in transit. Such damage must be reported to the manufacturer within 24 hours of receipt.

1.5 About your safety

- Read this operating manual through carefully before use and follow the instructions. Always keep these instructions at the point of use.
- Observe the accident prevention regulations, safety and operating regulations and the regulations for environmental protection.
- Observe all applicable standards and guidelines.
- When travelling on public roads and streets, follow the legal rules of the road.
- Observe the safety instructions.
- Immediately resolve any safety-related deficiencies.
- Keep out of the spreading zone. Make sure that no other persons enter in the spreading zone.
- Do not reach into the hopper during operation.
- Follow the safety guidelines on the package insert when spreading granules.
- Wear protective closing, in particular universal protective gloves, filling with slug pellets or baits. Only fill as many pellets or baits as needed in the short term. Return any remaining product to the original packaging. Ensure that the product does not enter the environment in an uncontrolled manner.
- Observe the following points when spreading slug pellets:
The device should only be mounted on the front of carrier vehicles with a closed cabin.
Windows should remain closed.
Care should be taken that air intake into the cabin is always filtered. The operator must check that the filter is working.
- Do not undertake any repairs, maintenance or cleaning procedures on the **SuperVario®** when the mains plug is connected.
- Comply with the regulations of the spreading material manufacturer.
- It is essential to comply with the instructions of the spreading material manufacturer in question.
- LEHNER Agrar GmbH does not accept any liability for storage and use of the spreading material.

2. Commissioning the SuperVario®

2.1 Mounting the frame

The **SuperVario®** can be screwed on directly or an auxiliary bracket can be used.

Mounting holes have been provided on the back of the frame.

Please refer to the spreading charts for the delivery height (1.00 - 1.30 m).

The **SuperVario®** can be attached on the front or rear of a tractor, off-road vehicle, ATV or soil cultivation implement. Because a full hopper makes the **SuperVario®** considerably heavier, the load capacity of side walls and other brackets is to be checked.

2.2 Electrical connection

Technical data

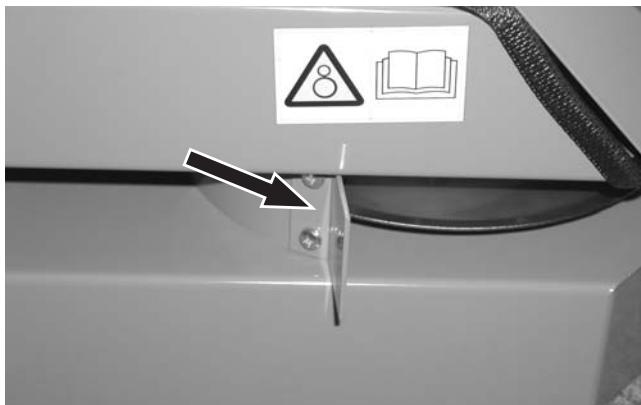
Operating voltage	12 to 15 V
Fuse	25 A
Motor output	180 W
Speed range	200 to 3000 rpm
Current draw Bosch motor	Start up to 25 A, normal operation up to 18 A
Operating temperature	-10 to +70 °C
Storage temperature	-30 to +70 °C
Weight of SuperVario® 70/110/170	31.5/33/35 kg

Any changes to cable or plug connections without factory approval will automatically invalidate the entire warranty. Changes to cables are automatically charged in the event of repair.

You must consult with the manufacturer before carrying out any cable extensions.

Power loss must be taken into account when extending cables. A poor power supply may prevent you from achieving the desired speed. This could also lead to intermittent complete failure.

2.3 Mounting the SuperVario®

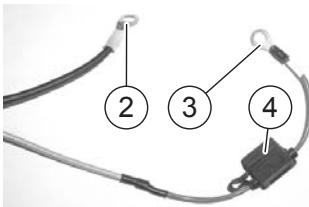
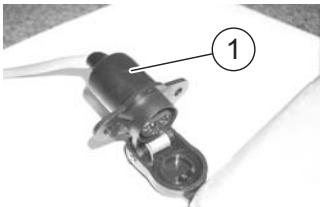


1. Check whether the hopper fits well in the hopper platform.
2. Using screws, attach the included baffle plate (arrow) perpendicular to the spreader.
3. Check that the **SuperVario®** is securely attached.

2.4 Mounting the control panel

**Caution!**

Ensure that the cable is not routed over any sharp edges.



1. Mount the support for the control panel in the vehicle cabin.
2. Always use the supplied battery cable even if there is a socket, because our battery cable is 4 mm².

Connect connection **2** to the negative terminal of the battery (not to the bodywork).

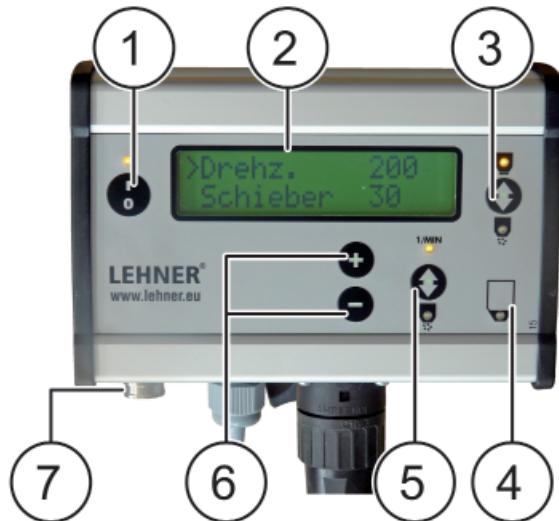
Connect connection **3** (with fuse **4**) to the positive terminal of the battery. Place the cable end with socket into the carrier vehicle.

3. Plug the spreader cable into the 16-pin socket of the control panel.

Your device is now ready to operate.

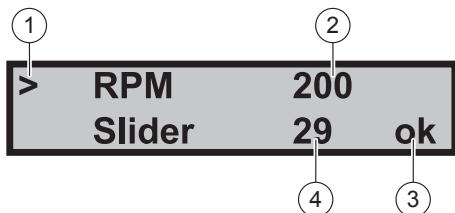
3. Operating the SuperVario®

3.1 Controls on the control panel



1. On/off switch
2. Display
3. Open and close slide
Slide open: green LED lights up
Slide closed: yellow LED lights up
4. Empty indicator
5. Switch to change between speed and slide
6. Adjusting the speed or slide
7. Preparation of headland manager (VGM)

3.2 The display



1. Arrow denotes the active line
2. Spreading disc speed
3. OK symbol for open slide
4. Slide opening



Error messages, see also chapter "6.4 Troubleshooting" on page 39.

3.3 Switching on / off



Danger!

The drive motor starts immediately when switching on. Make sure that no-one is in the danger area when switching on.



Press the button.

The spreading disc speed and slide opening are displayed. The slide is always closed when switching on the drive motor.

> RPM	200
Slide	29

If this message is displayed, a cable is damaged or a plug disconnected.

> RPM	200
Spr. connection	

Low temperatures can cause the empty indicator to respond slowly.

Checking the setting:

1. Allow the spreader to run for about 1 minute with the slide closed.
2. If the slide is now opened, the empty indicator must respond after about 5 seconds.
3. If this is not the case, adjust the empty indicator by 5% in the negative range, see chapter "4.6 Setting the empty indicator" on page 23.

Autostart

If the motor is difficult to start due to heavy loads, start the motor up to 10 times in alternating motor directions. If the agitator does not break free as a result, the motor is automatically switched off. The following message is shown in the display: **Disc blockage**.



Danger!

Never open the hopper and never touch the spreading disc when the drive motor is running.

Switch off the drive motor and make sure that the motor has stopped before you open the hopper or touch the spreading disc.

Clearing the blockage:

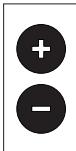
1. Switch off the motor.
2. Manually turn the spreading disc or empty the hopper.

3.4 Setting the speed



Press the button if necessary to select the speed,
the arrow points to the first line in the display.

> RPM	200
Slide	29



Press the + or - button to set the speed.
The speed can be infinitely varied from 200 - 3000 rpm.
Refer to the spreading charts for the required speed.
The display shows the set speed for 10 seconds; only then is the actual speed displayed.

3.5 Setting the slide opening



If necessary, press the button to select the slide; the arrow points to the second line in the display.

Speed	200
> Slide	29



Press the + or - button to set the slide opening.

Refer to the spreading charts for the required slide opening.

3.6 Opening/closing the slide



Press the button to open or close the slide.

Slide open: green LED lights up

Slide closed: yellow LED lights up

> RPM	200
Slide	29 ok

Slide monitoring

If the slide does not reach the specified position within 10 seconds, the spreader switches off.

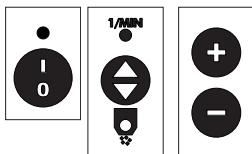
The following message is shown in the display:

Slide not open or Slide not closed. 5 warning signals also sound.

For troubleshooting, see chapter "6.4 Troubleshooting" on page 39.

3.7 Performing the slide reference run

The slide motor and control panel are adjusted to one another at the factory. The setting can be lost over time or when replacing the control panel.



Switch off the machine.

Press and hold the button for switching between speed and slide and the + button to switch the machine on.

Keep all three buttons pressed for about 3 seconds.

The slide performs its reference run.

The display shows the upper value as approx. 240 and the lower value as approx. 40. Switch machine off at the main switch so that the values are stored. If a slide reference run cannot be performed, the following message flashes on the display: Slide not calib.

Check the mechanical clearance of the slide and attempt the reference run again.

3.8 Setting the spreading width

The spreading width depends on the nature of the spreading material and the speed of the spreading disc. The more coarse the spreading material, the larger the possible spreading width.

1. Set the speed according to the spreading chart.
2. Set the casting shovels according to the spreading chart.

3.9 Setting the agitator

Because grasses, in contrast to seeds with a grain structure, have very poor flow properties, the agitator must be adjusted accordingly.



Setting for grasses:

Upper stirring shaft on one side

Lower stirring shaft at a ratio of 2/3 t 1/3



Setting for remaining products:

Upper stirring shaft removed

Lower stirring shaft at a ratio of 1 to 1



Danger!

Do not adjust the stirring shafts if the agitator is installed, which otherwise could lead to bearing failure on the motor.

1. Remove the hopper.
2. Firmly hold the spreading disc and loosen the agitator by turning to the right.
Important: Left-hand thread!
3. Install the stirring shaft appropriately.

3.10 Empty indicator

The empty indicator shows when the spreading material in the hopper drops below a particular fill level.

The "Hopper empty" message flashes for about 5 seconds on the display. At the same time, 8 warning signals sound and the red LED on the empty indicator flashes.

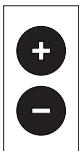
To switch off the empty indicator again, briefly close the slide or switch off the spreader.

3.11 Adapting the empty indicator to the motor output

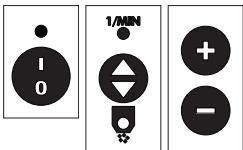
Note:

Only make adjustments if the empty indicator setting was unsuccessful, see "4.6 Setting the empty indicator" on page 23.

Empty the hopper.



Then, in the main menu, use the + and - buttons to set the empty indicator to zero.



Press and hold down the button for switching between speed and slide and the - button to switch the machine on.

Set the spreading disc motor to 2400 rpm.



Keep the Open/close button pressed for about 5 seconds.

The display now changes to the Bosch disc motor (TLB).

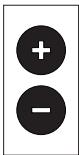


Press the button for changing between speed and slide (1x). The display shows the actual idling speed output (LL) and idling speed output table (LLT) values.

Press the - button 1x to reset the stored values.

Press the + button 1x to transfer the LL value to the LLT.

This means the empty indicator has been readjusted.



Press the + button to confirm; the actual idling speed output (LL) is transferred to the idling speed output table (LLT) in three numbers.

This means the empty indicator has been readjusted.

4. Settings and displays

The control element can be used to make the following settings:

Language

Empty indicator selection

EHR signal

EHR cycle

Empty indicator setting

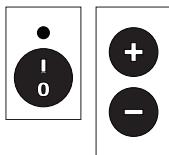
Spreader type

Spreader number

Motor selection

4.1 Making settings

Switch off the machine.



Press the + **and** - buttons at the same time and hold them until the machine switches on.

Keep all three buttons pressed for about 3 seconds.

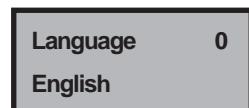
The language selection is displayed.



4.2 Language

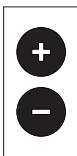


Press the + or - button to set the language.



Press toggle switch: Setting saved, next menu item or press main switch: Setting saved and machine switches off.

4.3 Selecting the empty indicator



Press the + or - button to select the empty indicator.

From spreading disc resistance via agitator motor with soft agitator and external empty indicator - not programmed or empty indicator switched off.

Empty indicator 1
One disc

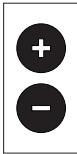


Press toggle switch: Setting saved, next menu item or press main switch: Setting saved and machine switched off.

4.4 Setting the EHR signal

When the spreader is equipped with the headland manager accessory, the hydraulic signal of the tractor can be detected. This signal is output when lifting or lowering.

The spreader factory setting is for the signal to be output when lifting. If the tractor outputs the signal when lowering, you can adjust the spreader.



Press the + or - button to set the EHR signal.

EHR signal for lifting:

EHR signal 0
High active

High active is displayed.

EHR signal for lowering: Low active is displayed.



Press toggle switch: Setting saved, next menu item or press main switch: Setting saved and machine switches off.

4.5 Setting the EHR cycle

In the headland manager (optional accessory), you can set how often the slide should open and close depending on the lifting and lowering of the hydraulics. The EHR cycle can be set to max. 10 times.

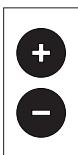
4.6 Setting the empty indicator

Depending on the requirement and spreading material, the empty indicator can be set to respond earlier or later.

Each of the values can be set between -50 and +50.

Note:

Depending on the spreading material or material humidity, the remainder level may vary somewhat.



Press the + or - button to set the corresponding value.

Factory setting is 0.

+ values: Switching on and off if the fill level is relatively high.

- values: Switching on and off if the fill level is relatively low.



Press toggle switch: Setting saved, next menu item or press main switch: Setting saved and machine switches off.

Setting	0
Empty indicator ON	

4.7 Displaying the spreader type

The control unit is intended for a variety of spreaders.

The **SuperVario®** is programmed at the factory. Various LEHNER spreaders can be operated with this control panel.



Press toggle switch: Setting saved,
next menu item or press main switch:

Setting saved and machine switches
off.

Spreader type	0
SuperVario	

4.8 Spreader number

This option is only activated in the duo control unit (optional accessory).

4.9 Displaying the motor

The **SuperVario®** can be equipped with 2 different drive motors.

The control unit is programmed at the factory and adjusted to the installed motor. This setting cannot be changed.

4.10 Headland manager (optional accessory)

If the headland manager is connected, an * is displayed at the end of the second line.

Speed	200*
Slide	29

The headland manager automatically opens the slide when the hydraulics are lowered, and automatically closes it when the hydraulics are lifted.

The slide can be opened and closed **manually at any time** using the control panel.

When starting work with the headland manager, the slide must first be opened manually.

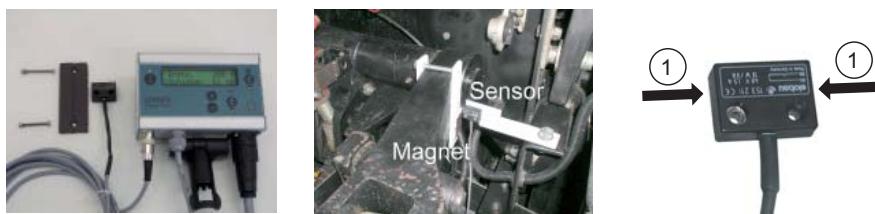
The signal can be detected by a 7-pin socket or a sensor signal.

7-pin socket



1. Connect the connecting cable of the control panel to the 7-pin signal socket of the tractor.
2. Set the EHR signal of the spreader depending on whether the tractor emits the hydraulic signal when lifting or lowering.

Sensor signal



1. Mount the sensor in the joint section of the lower link.
2. Mount the magnetic encoder to the lower link.
3. Set the position of the sensor and the magnetic encoder.
Maximum distance 10 mm.

Hydraulics lowered:

Sensor not in field of magnetic encoder.

Hydraulics at the height where the slide should close or open:

Sensor just reaches field of magnetic encoder.

Hydraulics lifted:

Sensor must still be in field of magnetic encoder.

When the hydraulics are lifted, the sensor must not leave the field of the magnetic encoder, as otherwise the slide will open again.

Please note that the contact surfaces **1** of the sensor are only located on the left and right sides.

4.11 Checks

Voltage check

In order to check the operating voltage (in V), the spreader must be on and the hopper filled.



Press the button for 5 seconds.

The operating voltage is displayed for 8 seconds.

Factory recommendation min. 12.6 V.

Voltage 14.0 V

Performance check

The motor is adjusted at the factory. No changes are permitted, since otherwise the drive and control parameters would no longer match.

To check the performance data, the spreader must be on.



Keep the button pressed.

The following information is displayed:

Line 1: Current drive motor,

power consumption in watts and precise speed.

**TLB 23.4W 201
91R 3.4V 6.9A**

Line 2: R value for factory-internal data, the motor voltage in volts, the current consumption of the motor in ampere.

4.12 Spreading width and turning procedure

Reference values for the spreading widths of individual spreading materials can be found in the attached spreading charts.

If you turn the spreader, please note that spreading material continues to roll on firm surfaces, while on the field it falls directly into the surface soil. In addition, the flow quantities differ from the testing values due to different vibrations during field use.

Turning

1. Put the spreader in the box or put the box over the spreader to catch the spreading material.
2. Set the speed of the spreading disc, the speed must be the speed used in practice, due to the suction effect.
3. Weigh out the ejected spreading material at various slide positions until the suitable slide position is determined.

Determining the spreading width

1. Spread on a firm surface.
2. Sweep up and weigh the spreading material.

Formulae

Output rate in kg/min x 600

= Speed in km/h

Output amount in kg/ha x spreading width in m

Output rate in kg/min x 600

= Output amount in kg/ha

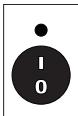
Speed in km/h x spreading width in m

Output amount in kg/ha x speed in km/h x spreading width in m

= Output rate in kg/min

600

4.13 Setting the auto-dose (optional accessory)



Press the buttons.

The speed of the spreading disc and the slide opening are displayed.

> Speed	200
Slide	29

The slide is always closed when switching on the drive motor.

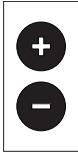


Press the button.

The spreading material, the spreading width and the output kg/ha are displayed.



Press the button, the spreading material designation "flashes".



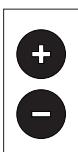
Press the + or - button to change spreading material (e.g. from yellow mustard to Metarex).

While the 7-pin plug or GPS receiver are not plugged in, the full spreading material name is displayed.



Press the button to confirm the choice of spreading material.

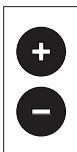
Spreading width "flashes".



Press the + or - button to set the spreading width.



Press the button to confirm the choice of spreading width.
Output kg/ha "flashes".



Press the + or - button to set the output amount.



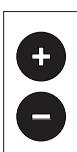
Press the button to confirm the output kg/ha.
The control panel is programmed for automatic operation.
The set spreading material, the spreading width and the output kg/ha are displayed.



Hold the button down for at least 5 sec.
The quantity adaptation is displayed in %.
Here, you can change the output amount yourself if you find there is too much or too little.



Press the button.
Speed impulse - - - 1/m is displayed.



Press the + or - button to set the impulses per metre that are emitted by the tractor (further information can be found in the tractor's operating manual).



Press the button.

The quantity adaptation is displayed in %.



Press the button.

The set spreading material, the spreading width and the output kg/ha are displayed.

The speed impulses per metre are set.

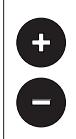
The control unit is ready to start.

In GPS mode, no impulse setting is required.

The spreading value stored in the spreading chart can be changed temporarily.



Set the quantity adaptation.



Press the button for around 5 seconds.



Press the + button to increase the spreading value by up to 50%

Quantity adaptation
0%

Press the - button to decrease the spreading value by up to 50%

Press the button to return to operating mode.



Press the button.

The quantity adaptation has been stored. The quantity adaptation remains stored until the spreading material is switched or changed in the display.

4.14 Operating SuperVario® in automatic mode

Connect the speed signal (GPS receiver or 7-pin signal socket).

The stored table value continues to appear in the display. The quantity adaptation in % is executed automatically from the control panel.



Press the button.

The speed of the 'spreading disc and the slide opening ar displayed.

> Speed	200
Slide	29

The slide is always closed when switching on the drive motor.



Press the button.

The set spreading material, the spreading width and the output kg/ha are displayed.

If a speed signal is connected, the speed travelled at is also displayed along with the spreading material.



Press the button to open the slide.

With the vehicle stationary, set off within 5 seconds, otherwise the message "Slide not open" appears.

If the slide is open, the message "Open" and the relevant slide opening, e.g. "Open 46" appear; the speed travelled at is also displayed.

OPEN 46 5.9km/h
15.0 m 25.0 kg/ha

If the speed travelled at is higher than the value stored in the spreading chart in the control unit, the message "Too fast" appears in the display.

Only the maximum speed stored in the spreading chart is included in the calculation, not the speed actually being travelled at.

OPEN 120 33.2km/h
Too fast

If the speed travelled at is lower than the value stored in the spreading chart in the control unit, the message "Too slow" appears in the display. The minimum speed stored in the spreading chart is included in the calculation, not the speed actually being travelled at.

Yellow mustard 2 km
Too slow

At a travel speed of less than 3 km/h, the software does not work and the message "Slide not open" appears.

Slide not open

Once the vehicle stops and sets off again, the button "Slide open" must be pressed again to make the slide open.

When working with the headland manager (VGM), this operation is not required.

At the present time, our spreading charts are designed for a maximum speed of 44 km/h, depending on the spreading material. At speeds faster than 44 km/h, the error message "Too fast" appears, depending on the spreading material.

Note

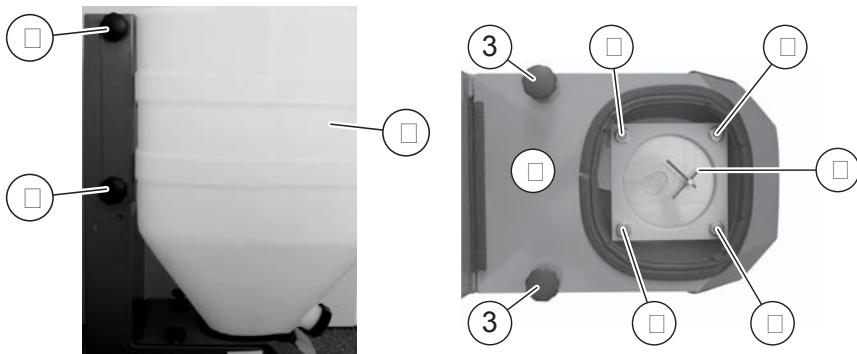
A total of 12 spreading charts can be stored in the control panel. This setting can only be made at the factory. Spreading charts can of course be exchanged (see section "*6.6 Spreading charts*" on page 42).

5. Maintenance and cleaning

5.1 Service

The dosing device and slide should be inspected and cleaned from time to time.

In particular, spreading material with a high dust content can cause the slide unit to clog.



1. Remove screws **1** on the right and left.
2. Remove the hopper **2**.
3. Remove screws **3**.
4. Remove the cover plate **6**.
5. Firmly hold the spreading disc and loosen the agitator **5** by turning to the right.
Important: Left-hand thread!
6. Remove nuts **4**.
7. Dismantle the hopper platform and pull the dosage slide out from the top.
8. Clean the slide unit with a broom or compressed air.

For corrosive spreading material such as silage, regularly remove and clean the motor, and fill the shaft end with grease or copper compound.

5.2 Cleaning

The hopper can be almost completely emptied by means of the residue discharge.

1. Unscrew the hopper.
2. Clean spreader and hopper with a broom.

6. Appendix

6.1 EC Declaration of conformity

 	<p style="text-align: center;">EC Declaration of conformity in accordance with the EC Machinery Directive 2006/42/EC, app. II, 1.A</p> <p>Manufacturer: LEHNER Agrar GmbH Häuslesäcker 5-9 89198 Westerstetten</p> <p>Person resident in the Community who is entitled to assemble the relevant technical documents: Jürgen Beck-Graf LEHNER Agrar GmbH Häuslesäcker 5-9 89198 Westerstetten</p> <p>Description and identification of the machine:</p> <p>Product: SuperVario®</p> <p>Type: 70/110/170</p> <p>Function: The SuperVario® is a spreader for spreading slug pellets and seeds for grasses and intermediate crops such as mustard, phacelia, fodder radish and turnip rape. It is produced in three sizes. These differ in the hopper capacity; 70, 110 and 170 litres. There is a stirring shaft on the spreading disc that projects into the hopper. This keeps the spreading material mobile in the area of the application opening. The application rate and the rotation speed of the spreading disc are infinitely variably controlled from the operator's cabin via the control panel. Optionally, a separate motor drives a slowly rotating agitator which can be installed horizontally (soft agitator).</p>
--	--

It is expressly declared that the machine is in accordance with all relevant provisions of the following EC Directives:

2006/42/EC

EC Machinery Directive 2006/42/EC

2004/108/EC

(Electromagnetic Compatibility) Directive 2004/108/EC of the European Parliament and Council dated 15 December 2004 on the harmonisation of legal regulations in the member states regarding electromagnetic compatibility and replacing Directive 89/336/EEC

Source of the harmonised standard applied acc. to Article 7, para. 2:

EN ISO 12100-2:2003-11

Safety of Machinery – Basic concepts; general principles for design – Part 2 Technical principles

EN ISO 14121-1:2007

Safety of Machinery – Risk assessment – Part 1: Principles (ISO14121-1:2007)

EN 50498:2010

Electromagnetic compatibility - Product family standard for electronic equipment subsequently installed in vehicles

EN ISO 14982:2009

Electromagnetic compatibility - Agricultural and forestry machinery

Source of the other technical standards and specifications applied:

EN ISO 12100-1:2003-11

Safety of Machinery – Basic concepts; general principles for design – Part 1: Basic terminology, methodology



Westerstetten, 12.04.2009

Place, date

Signature

Helmut Lehner
CEO

6.2 Identification

The serial number of the spreader is applied to the rear of the frame.

Note the serial number in this operating manual so that it is readily available for inquiries.

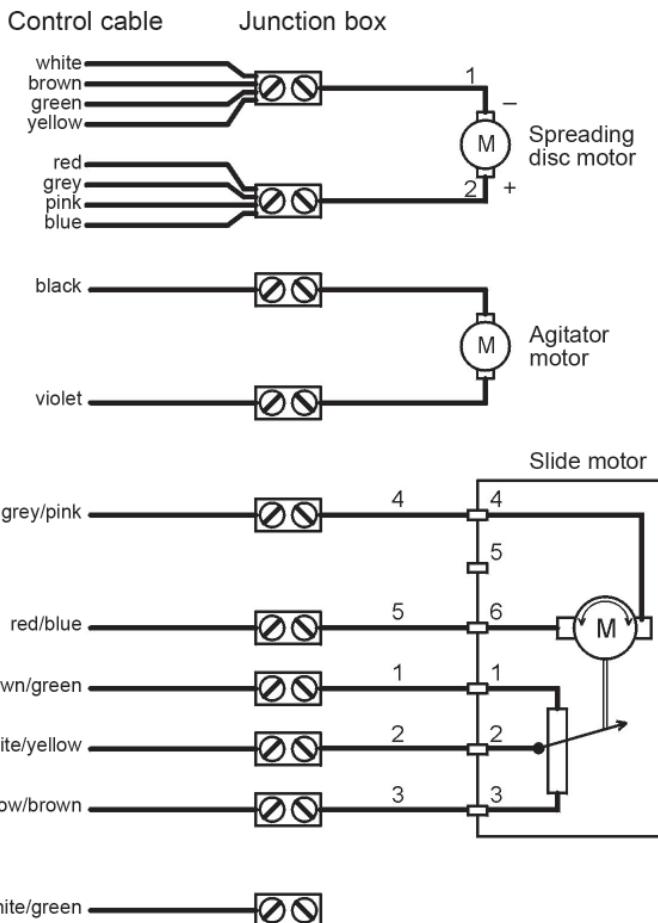


The hardware and software versions are briefly displayed when the control panel is switched on.

Note the software version in this operating manual so that it is readily available for inquiries.

LEHNER GmbH
LAS3 V2.5
SuperVario

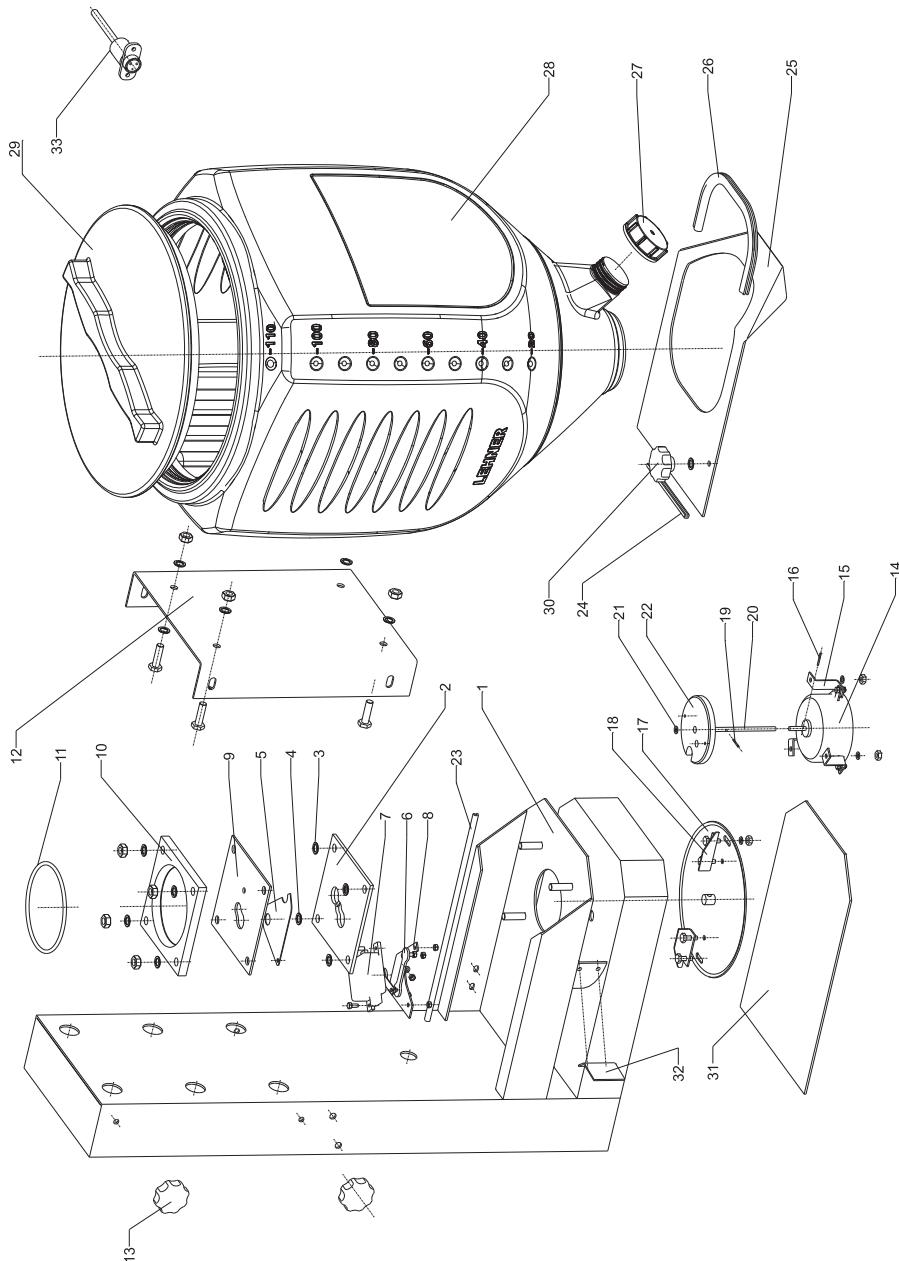
6.3 Distribution box reference list



6.4 Troubleshooting

Problem	Cause	Resolution
Nothing appears on the display after switching on	Polarity reversed or fuse has blown	Check connections and fuses
Agitator does not turn over	Foreign bodies in the agitator	Empty hopper and check for foreign bodies Dismantle upper stirring shaft Place lower stirring shaft in centre
Spreading disc does not reach set speed	Upper stirring shaft installed / power supply Very strong vibrations and resulting settling of the material	Order and install "bad relief roof" accessory Check the agitator, check the stirring shaft, see the "Setting the agitator" chapter Check the electrical power supply, see the "Mounting the control panel" chapter
Slide jams	Spreading material or dirt is jammed between the slide plates	Clean the slide, see the "Cleaning" chapter
Display shows: Disc blockage	Spreading disc does not turn; switches off after 10 attempts Material may be excessively compacted	Check the agitator, check the stirring shaft, see the "Setting the agitator" chapter Possibly restart spreader
Display shows: Slide not open	Slide could not reach correct position when opening	Check slide for contamination, or perform reference run; see Slide reference run, Cable not plugged in, motor defective
Display shows: Slide not closed	Slide could not reach correct position when closing	Check slide mechanism for foreign bodies or perform the reference run See the "Performing the slide reference run" chapter
Slide does not open although no error message is displayed.	Mechanical damage to slide mechanism	Check slide motor and transfer mechanism
Display shows: Spr. Connection	Control panel plug not connected to spreader or cable damage/voltage dip	Check plug connections, cables, socket and pins
Empty indicator does not respond	Empty indicator is set too low	Adjust the empty indicator, see chapter "4.6 Adjusting the empty indicator" on page 23. If this does not resolve the problem, please carry out the procedure described in point "3.11 Adapting the empty indicator to the motor output" on page 19.
Headland manager closes the slide when draining the hydraulics and opens it when lifting	Signal incorrectly applied	Rotate the signal, see the "Setting the EHFR signal" chapter
Display shows 8888 or letters	Control panel fault	Control panel must be replaced
Headland manager does not always close	Distance of sensor to magnetic encoder too great	Check the left/right distance of the sensor, max. 10 mm
Slide fault	Plug from control panel not connected to spreader. Plug not connected to the slide motor.	Check plug connections, cables, socket and pins.

6.5 Replacement parts



Status 04/2012

Designation	Quantity	LEHNER Article no.
1 Steel frame	1	80356
2 Dosage slide, bottom "white"	1	80281
3 U disc	3	-
4 Adjusting washer	1	-
5 Slide	1	80234
6 Double spherical bearings with ball stud	1	73213
7 Slide motor	1	80379
8 Fixing bracket for slide motor	1	81393
9 Dosage slide, top in VA	1	81394
10 Hopper platform	1	80265
11 Hopper seal	1	81395
12 Hopper bracket	1	80342
13 Star-knob screw M8x14 mm	4	73214
14 Bosch drive motor	1	80177
15 Motor mounts	3	-
16 Hexagon socket set screw	1	-
17 Spreading disc	1	80472
18 Casting shovel	2	81396
19 Stirring shaft	2	-
20 Agitator with left-hand thread	1	80376
21 Sealing disc	1	73215
22 Stabilisation disc	1	80268
23 Edge guard without padding	1	-
24 Edge guard with padding	1	-
25 Cover plate	1	81397
26 Edge guard with padding for hopper	1	-
27 Discharge cover	1	80393
28 Hopper 70 / 110 / 170 litres	1	81075 / 81076 / 81077
29 Sealing cap	1	80107
30 Star grip nut M6	2	73216
31 Base plate	1	80606
32 Baffle plate	1	81398
33 Battery cable with bracket	1	72154
34 Cable set 6 m (no diagram)	1	80658
35 Control panel (no diagram)	1	80645
36 Operating manual with spreading charts	1	80174

6.6 Spreading charts

Spreading chart, yellow mustard											LEHNER SuperVario®						
Delivery height: 1.00 m			Status: 08/2005			Check settings with field samples.					4.00 m			4.70 m			
Spreading width		2.5 m	300 RPM		350 RPM	400 RPM			400 RPM			460 RPM			460 RPM		
RPM	km/h	6 8 10 12	6	8	10	12	6	8	10	12	6	8	10	12	6	8	10 12
Slide opening:																	
at 8 kg/ha		18	20	22	24	19	21	23	25	21	24	26	27	22	25	27	28
at 10 kg/ha		19	22	24	26	20	24	26	27	23	26	28	30	24	27	29	31
at 12 kg/ha		21	24	26	28	22	26	27	29	25	28	30	32	26	29	31	35
at 15 kg/ha		23	26	28	31	25	27	29	32	27	30	33	37	28	31	35	39
at 20 kg/ha		26	29	33	36	27	30	35	38	30	35	39	42	31	36	41	45
at 25 kg/ha		28	33	37	40	29	35	39	42	32	39	44	48	35	41	47	51
Spreading width		6.00 m	9.00 m			9.00 m			12.00 m			12.00 m			15.00 m		
RPM	km/h	6 8 10 12	6	8	10	12	6	8	10	12	8	10	15	20	8	10	15 20
Slide opening:																	
at 8 kg/ha		23	26	28	29	25	28	31	35	30	34	43	50	29	32	41	49
at 10 kg/ha		25	28	31	34	27	31	35	39	34	38	48	57	32	36	47	58
at 12 kg/ha		27	30	35	37	29	34	39	43	38	43	53	65	36	40	54	67
at 15 kg/ha		30	34	38	43	33	39	44	48	43	48	62	76	40	47	63	82
at 20 kg/ha		34	40	45	49	39	45	54	58	50	59	76	91	49	58	82	
at 25 kg/ha		38	45	50	54	44	50	60	66	59	67	87	100	58	70		

Position of casting shovels: Hole 5

At low delivery heights, the speed of the disc must be increased.

The pull of the spreading disc increases as the speed increases.

In the universal spreader, the slide setting up to 50 is the same, and only needs to be shifted by one decimal place. E.g. 41 is changed to 4.1

From 50 onwards, the slide unit of the SuperVario is somewhat larger, because it is pear-shaped.

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One-sided spreading chart, yellow mustard © LEHNER SuperVariO®

Delivery height: 1.00 m

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Spreading width	3 m			3.5 m			4 m			5 m			6 m		
RPM	1400 RPM			1700 RPM			2000 RPM			2300 RPM			2500 RPM		
km/h	4	6	8	10	12	4	6	8	10	12	4	6	8	10	12
Slide opening:															
at 8 kg/ha	9	10	12	15	17	10	11	12	16	18	11	12	14	17	19
at 10 kg/ha	11	12	14	18	20	11	13	15	19	21	12	14	16	18	20
at 12 kg/ha	13	15	15	21	23	14	16	16	22	23	15	17	19	23	25
at 15 kg/ha	16	17	20	24	26	17	18	22	25	27	18	21	23	26	27
at 20 kg/ha	18	21	23	26	28	19	22	24	27	29	24	25	29	32	38

Status: 07/2002

Position of casting shovels: Hole 5

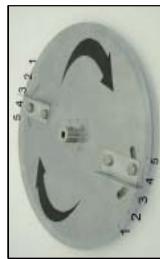
It is essential to check the lateral distribution with a field test.

Mount the boundary spreading device so that spreading takes place in the direction of rotation of the spreading disc.

Not the other way around!

In the universal spreader, the slide setting is the same, and only needs to be shifted by one decimal place. E.g. 45 is changed to 4.5

Note: A special adjustable deflector plate "ploughing right" is required for this! Article 72181



Spreading chart, fodder radish

Delivery height: 1.00 m Status: 08/2005 Check settings with field samples.

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Spreading width	2.5 m	3 m			3.4 m			4.00 m				
RPM	200 RPM	250 RPM			300 RPM			340 RPM				
km/h	6	8	10	12	6	8	10	12	6	8	10	12
Slide opening:												
at 10 kg/ha	23	25	26	28	24	26	28	30	25	27	29	31
at 12 kg/ha	24	26	28	30	25	28	30	33	26	29	32	35
at 15 kg/ha	26	28	30	33	27	30	34	37	28	31	36	39
at 20 kg/ha	28	31	35	38	30	34	38	42	31	37	40	44
at 25 kg/ha	30	35	38	42	34	38	42	46	36	40	45	48
at 30 kg/ha	33	38	42	46	37	41	45	49	38	43	47	51

Spreading width	5.00 m	6.00 m			7.00 m			12.00 m			17.00 m		
RPM	370 RPM	460 RPM			550 RPM			930 RPM			2300 RPM		
km/h	6	8	10	12	6	8	10	12	6	8	10	12	
Slide opening:													
at 10 kg/ha	28	31	34	37	29	32	35	38	35	42	46	50	32
at 12 kg/ha	30	33	37	40	31	34	38	45	40	45	50	55	36
at 15 kg/ha	32	37	41	45	34	38	45	48	44	50	57	60	40
at 20 kg/ha	38	43	47	51	39	46	50	56	50	58	69	75	47
at 25 kg/ha	41	47	53	59	45	50	57	66	56	69	78	87	54

Position of casting shovels: Hole 5

The pull of the spreading disc increases as the speed increases.

At low delivery heights, the speed of the disc must be increased.

In the universal spreader, the slide setting up to 50 is the same, and only needs to be shifted by one decimal place. E.g. 41 is changed to 4.1

From 50 onwards, the slide unit of the SuperVario is somewhat larger, because it is pear-shaped.

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Spreading chart, phacelia

LEHNER SuperVario®

Delivery height: 1 m

Spreading width	2.5 m	3.0 m	4.0 m	5.0 m	6.0 m	10.0 m
RPM	450 RPM	500 RPM	600 RPM	700 RPM	850 RPM	2500 RPM
km/h	6	8	10	12	6	8
Slide opening:						
at 10 kg/ha	17	20	22	24	17	20
	22	24	26	23	20	23
	24	26	31	24	26	24
	26	31	37	24	26	29
	31	37	37	24	26	35
	37	37	37	24	26	44
				31	37	30
				37	37	32
					37	38
						55

At low delivery heights, the speed of the disc must be increased.

If lateral distribution is uneven, adjust casting shovels.

Please note that the spreading widths of 5.00 and 6.00 metres have not been tested.

These values have been calculated mathematically.

Please check the settings with a field test.

Important: A special phacelia spreading disc is required for this! Article 80575



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Spreading chart, red clover

Delivery height: 1.00 m

Recommended output: 20 kg/ha

LEHNER SuperVario®

Check settings with field samples.

Spreading width RPM	2.5 m						3 m						4 m						5 m						6 m						
	250 RPM						300 RPM						400 RPM						500 RPM						700 RPM						
km/h	6	8	10	12	6	8	10	12	6	8	10	12	6	8	10	12	6	8	10	12	6	8	10	12	6	8	10	12			
Stride opening:																															
at 10 kg/ha	14	19	21	22	18	21	22	26	22	23	26	28	23	26	27	30	24	27	29	32	24	27	29	32	24	27	29	32	24	27	29
at 12 kg/ha	21	22	23	25	22	24	25	28	24	26	28	30	25	28	30	32	26	28	30	32	26	28	30	32	26	28	30	32	26	28	30
at 15 kg/ha	23	24	26	28	24	27	29	30	26	28	31	33	27	30	33	36	30	33	36	39	30	33	36	39	30	33	36	39	30	33	36
at 20 kg/ha	26	27	28	30	27	28	32	33	29	31	34	37	31	34	38	41	33	36	41	44	33	36	41	44	33	36	41	44	33	36	41
at 25 kg/ha	28	29	30	33	30	31	34	35	32	34	37	41	33	37	42	45	34	39	45	47	34	39	45	47	34	39	45	47	34	39	45
Position of casting shovels					Hole 4.5			Hole 4.5				Hole 4.5				Hole 4.5				Hole 4.5				Hole 4.5				Hole 4.5			

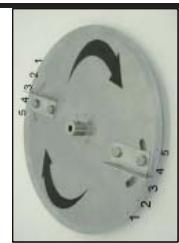
Spreading width RPM	7 m						8 m						9 m						12 m						15 m								
	1300 RPM						1500 RPM						1700 RPM						2300 RPM						2500 RPM								
km/h	6	8	10	12	6	8	10	12	6	8	10	12	6	8	10	12	6	8	10	12	6	8	10	12	6	8	10	12	6	8	10		
Stride opening:																																	
at 10 kg/ha	22	25	27	30	23	26	28	32	24	27	30	34	25	28	33	36	26	28	33	36	26	28	33	36	26	28	33	36	26	28	33		
at 12 kg/ha	24	28	30	33	25	29	32	35	26	31	34	36	27	33	36	39	31	34	38	42	31	34	38	42	31	34	38	42	31	34	38		
at 15 kg/ha	28	30	32	37	29	31	34	37	30	33	36	42	32	36	40	45	34	38	45	48	34	38	45	48	34	38	45	48	34	38	45		
at 20 kg/ha	31	34	39	44	33	36	42	46	35	38	44	51	36	41	46	52	38	45	49	57	38	45	49	57	38	45	49	57	38	45	49		
at 25 kg/ha	33	39	44	47	34	41	46	50	37	44	51	54	40	45	53	57	45	49	57	69	45	49	57	69	45	49	57	69	45	49	57		
Position of casting shovels					Hole 3.5			Hole 3				Hole 3				Hole 3				Hole 3				Hole 3				Hole 3					

At lower delivery heights, the speed of the disc must be increased.

If lateral distribution is uneven, adjust casting shovels. In the universal spreader, the slide setting up to 50 is the same, and only needs to be shifted by one decimal place. E.g. 4.1 is changed to 4.1.

The opening is larger in the SuperVario® from opening 50 onwards.

The speed may decrease at the upper spreading width. Please shorten stirring shaft by half.



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Status: 08/2005

Spreading chart, white clover		LEHNER SuperVario®									
Delivery height: 1.00 m		Check settings with field samples.									
Spreading width	2.5 m	3.0 m									
RPM	500 RPM	600 RPM									
km/h	6	8	10	12	6	8	10	12	6	8	1000 RPM
slide opening:											2100 RPM
at 10 kg/ha	10	12	14	16	12	14	16	18	13	15	18
Position of casting shovels: Hole 5	20	16	19	21	19	20	16	19	21	23	
At lower delivery heights, the speed of the disc must be increased. If lateral distribution is uneven, adjust casting shovels. In the universal spreader, the slide setting is the same, and only needs to be shifted by one decimal place. E.g. 4.1 is changed to 4.1											
 ©LEHNER											

Spreading chart, grassland mixture

30% ryegrass, 18% timothy, 21% meadow fescue, 9% orchard grass, 13% Kentucky bluegrass, 9% white clover

Spreading width	2.00 m					2.50 m					3.00 m				
RPM	300 RPM					400 RPM					800 RPM				
km/h	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15
Slide opening:															
5 kg/ha	56	58	59	61	63	57	59	61	62	64	46	50	52	54	56
7 kg/ha	58	60	62	64	67	60	62	63	65	68	50	53	55	57	59
10 kg/ha	61	64	67	69	72	62	64	67	70	72	54	56	59	61	62
15 kg/ha	65	69	72	74	76	65	70	72	74	77	58	61	63	65	68
20 kg/ha	69	72	75	76	78	71	73	75	78	80	61	64	67	70	71
25 kg/ha	72	75	77	78	80	72	75	78	81	83	63	66	70	72	74
40 kg/ha	76	78	80	85	88	74	81	84	87	89	69	72	75	77	81
Position of casting shov.															
Spreading width	Hole 5					Hole 5					Hole 5				
RPM	4.00 m					5.00 m					6.00 m				
km/h	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15
Slide opening:															
5 kg/ha	43	46	50	52	55	37	39	42	44	48	34	35	37	39	44
7 kg/ha	47	51	54	56	59	40	43	46	51	53	39	40	42	44	50
10 kg/ha	51	55	59	63	67	44	49	53	56	68	45	46	50	52	57
15 kg/ha	57	62	67	71	76	51	56	67	72	75	52	53	58	62	66
20 kg/ha	63	68	75	77	79	56	70	73	77	81	60	61	65	68	76
25 kg/ha	67	75	77	79	84	68	73	77	81	84	65	66	69	76	80
40 kg/ha	77	80	86	98	98	76	82	85	100	100	77	78	82	87	91
Position of casting shov.															
Delivery height: 1.00 m	Hole 4					Hole 4					Hole 3				

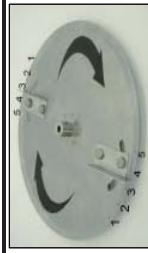
Status: 03/2005

Check settings with field samples.

If lateral distribution is uneven, adjust casting shovels.

The flow properties of grass seed are greatly affected by external influences such as water content - humidity. Please note!

The pull of the spreading disc increases as the speed increases.



Spreading chart, Welsh ryegrass

Delivery height: 1.00 m

Spreading width 2.50 m

RPM 500 RPM

km/h 6 8 10 12

Slide opening:

at 15 kg/ha 48 52 56 59

at 25 kg/ha 53 57 60 62

Position of casting shovels: Hole 5

The flow properties of grass seed are greatly affected by external influences such as water content - humidity. Please note!

The pull of the spreading disc increases as the speed increases.

In the universal spreader, the slide setting is the same, and only needs to be shifted by one decimal place. E.g. 4.1 is changed to 4.1

LEHNER SuperVario®

Check settings with field samples.

2.50 m

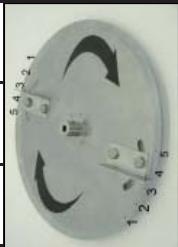
4.00 m

1200 RPM

6 8 10 12

2000 RPM

6 8 10 12



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Spreading chart, German ryegrass**LEHNER SuperVario®**

Check settings with field samples.

2.50 m

4.00 m

1200 RPM

6 8 10 12

2000 RPM

6 8 10 12



© LEHNER

Delivery height: 1.00 m

Spreading width 2.50 m

RPM 500 RPM

km/h 6 8 10 12

Slide opening:

at 15 kg/ha 48 51 57 59

at 25 kg/ha 52 55 70 82

Position of casting shovels: Hole 5
The flow properties of grass seed are greatly affected by external influences such as water content - humidity. Please note!

The pull of the spreading disc increases as the speed increases.
In the universal spreader, the slide setting is the same, and only needs to be shifted by one decimal place. E.g. 4.1 is changed to 4.1

MG 500 coated seed

Delivery height: 1.00 m

Status: 08/2005

LEHNER SuperVari®

Check settings with field samples.

Spreading width RPM	2.5 m			3 m			4 m			5 m		
	200 RPM			250 RPM			300 RPM			850 RPM		
km/h	6	8	10	12	6	8	10	12	6	8	10	12
Slide opening:												
5 kg/ha												
7 kg/ha												
10 kg/ha												
15 kg/ha												
20 kg/ha												
25 kg/ha												
40 kg/ha												
Position of casting shovels Hole 3												
Position of casting shovels Hole 3.5												
Spreading width RPM	6 m			8 m			9 m			10 m		
km/h	6	8	10	12	6	8	10	12	6	8	10	12
Slide opening:												
5 kg/ha												
7 kg/ha												
10 kg/ha												
15 kg/ha												
20 kg/ha												
25 kg/ha												
40 kg/ha												
Position of casting shovels Hole 5												
Position of casting shovels Hole 4.5												
Spreading width RPM	1600 RPM			2000 RPM			2250 RPM			2500 RPM		
km/h	6	8	10	12	6	8	10	12	6	8	10	12
Slide opening:												
5 kg/ha												
7 kg/ha												
10 kg/ha												
15 kg/ha												
20 kg/ha												
25 kg/ha												
40 kg/ha												

If lateral distribution is uneven, adjust casting shovels.

The flow properties of grass seed are greatly affected by external influences such as water content - humidity. Please note!

The pull of the spreading disc increases as the speed increases.

In the universal spreader, the slide setting up to 50 is the same, and only needs to be shifted by one decimal place. E.g. 41 is changed to 4.1

From 50 onwards, the slide unit of the SuperVari is somewhat larger, because it is pear-shaped.

© LEHNER



Spreading chart, annual ryegrass

Delivery height: 1.00 m

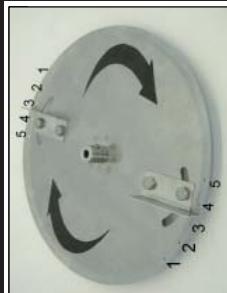
RPM	2.50 m			4.00 m			6.00 m				
	500 RPM			1200 RPM			2100 RPM				
km/h	6	8	10	12	6	8	10	12	6	8	10
Slide opening:											
at 15 kg/ha	41	46	50	53	43	48	50	61	47	49	52
at 25 kg/ha	47	53	56	59	49	56	62	72	58	60	68

Position of casting shovels: Hole 5

The flow properties of grass seed are greatly affected by external influences such as water content - humidity. Please note!

The pull of the spreading disc increases as the speed increases.

In the universal spreader, the slide setting is the same, and only needs to be shifted by one decimal place. E.g. 4.1 is changed to 4.1



Spreading chart, grass DSV G5 Permanent pasture © LEHNER SuperVario®

Check settings with field samples.

Spreading width	2 m	5 m	Note
RPM	450 RPM	1600 RPM	
Km/h	6	8	10
Slide opening:			

at 5 kg/ha

at 10 kg/ha

at 25 kg/ha

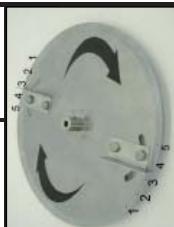
Delivery height: 1.00 m

Position of casting shovels: Hole 5
If lateral distribution is uneven, adjust casting shovels.

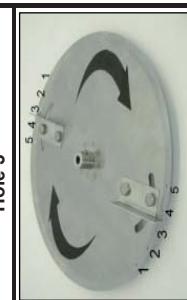
The flow properties of grass seed are greatly affected by external influences such as water content - humidity. Please note!

Please note that when a spreading width of 2 m is selected, the grass seed does not run on well due to the pull.
The pull of the spreading disc increases as the speed increases.

Status: 07/2006



LEHNER SuperVario®																	
Spreading chart, Dino Selenium																	
70% CaCO ₃ , calcium carbonate, 5% MgCO ₃ , magnesium carbonate, 0.2% Se selenium																	
Spreading width						Delivery height: 4.00 m											
RPM						420 RPM											
Km/h	6	8	10	12	15	6	8	10	12	15	6						
Slide opening:																	
2 kg/ha						17			17	18							
3 kg/ha						17	18	19	20	21	17						
4 kg/ha						17	18	19	20	21	18						
5 kg/ha						17	18	19	20	21	19						
7 kg/ha						17	18	19	20	21	19						
Position of casting shovel	Hole 3						Hole 3										
Spreading width	9.00 m						12.00 m										
RPM	650 RPM						800 RPM										
Km/h	6	8	10	12	15	6	8	10	12	15	6						
Slide opening:																	
2 kg/ha						17	18	19	20	21							
3 kg/ha						17	18	19	20	21	17	19					
4 kg/ha						17	18	19	20	21	18	21					
5 kg/ha						17	18	19	20	21	19	23					
7 kg/ha						17	18	19	20	21	19	25					
Position of casting shovel	Hole 3						Hole 3										
Spreading width	15.00 m						15.00 m										
RPM	650 RPM						800 RPM										
Km/h	6	8	10	12	15	6	8	10	12	15	6						
Slide opening:																	
2 kg/ha						17	18	19	20	21							
3 kg/ha						17	18	19	20	21	17	19					
4 kg/ha						17	18	19	20	21	18	21					
5 kg/ha						17	18	19	20	21	19	23					
7 kg/ha						17	18	19	20	21	19	25					
Position of casting shovel	Hole 3						Hole 3										
Delivery height: 1.00 m																	
Check settings with field samples.																	
If lateral distribution is uneven, adjust casting shovels.																	
The flow properties of the product are greatly affected by external influences such as water content - humidity. Please note!																	
Position of stirring shafts: Do not install the upper stirring shaft, lower at 2/3 to 1/3																	



Status: 01/2006

Check settings with field samples.

If lateral distribution is uneven, adjust casting shovels.

The flow properties of the product are greatly affected by external influences such as water content - humidity. Please note!

Position of stirring shafts: Do not install the upper stirring shaft, lower at 2/3 to 1/3

Spreading chart

Bonsilage Schaumann

LEHNER SuperVario®

Spreading width		1.7 m				3.70 m			
RPM		300 RPM				2200 RPM			
km/h		2	3	4	6	2	3	4	6
Slide opening:	85	85	85	85	85	85	85	85	85
gr/m ²	215	145	108	72	100	67	50	34	

Delivery height: 1.00 m

Position of casting shovels: Hole 5

Special feature: Boundary spreading device is required as additional equipment, otherwise one-sided spreading pattern. (too much material in direction of rotation)

Boundary spreading device mounted on the right in the driving direction with front mounting causes even lateral distribution with this material.

Important: After each use, thoroughly clean the spreader with water, and regularly grease the drive motor at the shaft output.

In the universal spreader, the slide setting up to 50 is the same, and only needs to be shifted by one decimal place E.g. 85 is changed to 8.5.

From 50 onwards, the flow rate in the SuperVario® is greater.

Status: 05/2002

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Spreading chart

Eurosil maize microgranulate (Timac)

Spreading width	1.50m			2 m			4 m					
RPM	300 RPM			650 RPM			2600 RPM					
km/h	2	3	4	6	2	3	4	6	2	3	4	6
Slide opening:	85	85	85	85	85	85	85	85	85	85	85	85
gr/m ²	180	120	90	60	130	90	65	45	65	45	32	22
Space for own values:												

Delivery height: 1.00 m

Special feature: "Eurosil baffle plate" is required as an additional device, otherwise one-sided spreading pattern. (too much material in direction of rotation)

Plate mounted on the right in the driving direction with front mounting causes even lateral distribution with this material.

Position of casting shovels: Hole 5

Important: Thoroughly clean the spreader with water after each use. Regularly remove the motor and grease it at the shaft output.

Status: 05/2002

Spreading chart Eurosil 70 microgranulate (Timac)

Spreading width		1.50m			2 m			4 m					
		300 RPM			500 RPM			2200 RPM					
RPM	km/h	2	3	4	6	2	3	4	6	2	3	4	6
Slide opening:	85	85	85	85	85	85	85	85	85	85	85	85	85
gr/m ²	180	120	90	60	142	95	71	47	80	52	40	40	105
Space for own values:													
Delivery height:	1.00 m												

Status: 05/2002
 Feature: "Eurosil baffle plate" is required as an additional device, otherwise one-sided spreading pattern. (too much material in direction of rotation)
 Plate mounted on the right in the driving direction with front mounting, causes even lateral distribution with this material.

Position of casting shovels: **Hole 5**

Important: After each use, thoroughly clean the spreader with water, and regularly grease the shaft output.
 In the universal spreader, the slide setting is the same, and only needs to be shifted by one decimal place. E.g. 85 is changed to 8.5

©LEHNER

LEHNER SuperVario®

Spreading chart, Ratron rodenticide

Delivery height: 1.30 m

Check settings with field samples.

Spreading width	3 m					4 m					6 m					9 m					10 m					
	250 RPM					300 RPM					500 RPM					850 RPM					1000 RPM					
km/h	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	15	20	
Slide opening:																										
at 3 kg/ha	30	31	32	33	28	31	32	33	34	35	30	33	35	36	38	32	34	36	40	46						
at 6 kg/ha	30	33	35	37	38	31	34	36	39	42	33	35	37	41	43	35	39	41	44	49	36	41	44	52	60	
at 9 kg/ha	32	37	38	39	41	35	40	42	44	46	38	41	44	46	48	42	44	48	51	54	44	47	51	59	71	
at 12 kg/ha	35	39	40	42	43	38	43	45	47	49	42	45	47	49	53	45	49	50	53	58	48	53	55	63	81	
at 25 kg/ha	41	45	49	53	59	48	53	58	63	70	56	57	61	66	73	63	71	79	86	97	65	75	82	100		
Position of casting shovels						Hole 5			Hole 5			Hole 5			Hole 4			Hole 4			Hole 5			Hole 5		

Spreading width	12 m					15 m					18 m					21 m					24 m					
	1200 RPM					1700 RPM					1900 RPM					2400 RPM					2650 RPM					
km/h	6	8	10	15	20	6	8	10	15	20	6	8	10	15	20	6	8	10	15	20	6	8	10	15	20	
Slide opening:																										
at 3 kg/ha	33	35	37	42	47	34	36	38	43	48	35	37	39	44	49	36	38	41	45	50	37	39	44	47	51	
at 6 kg/ha	37	42	46	54	62	38	43	48	55	63	40	44	49	57	65	41	45	50	58	66	43	47	51	59		
at 9 kg/ha	45	50	54	64	75	46	51	55	67	78	47	52	57	70	81	48	53	58	71	83	49	56	63			
at 12 kg/ha	49	56	59	68	85	50	57	63	74	88	51	59	65	79	93	52	60	66	84	95	55	63				
at 25 kg/ha	68	79	86	90	96	69	81	90	96	100	74	86	97	100	100	59	68	75	82	90	61	71	77	82		
Position of casting shovels						Hole 5			Hole 5			Hole 5			Hole 4			Hole 4			Hole 5			Hole 5		

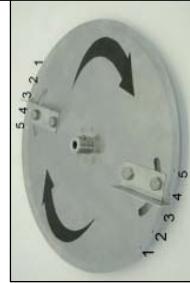
For large spreading widths, wind speed should be noted to avoid incorrect spreading.
At lower delivery heights, the speed of the disc must be increased.

If lateral distribution is uneven, adjust casting shovels.

If there is no scale on the spreading disc, 2 means slightly out of the midpoint in the direction of rotation. 3 means the middle of the slot.

In the universal spreader, the slide setting up to 50 is the same, and only needs to be shifted by one decimal place. E.g. 41 is changed to 4.1

From 50 onwards, the slide unit of the SuperVario is somewhat larger, because it's pear-shaped.



Status: 08/2005

©LEHNER

Spreading chart, Mesurol slug pellets

Delivery height: 1.30 m

Spreading width	3 m	4 m	6 m	9 m	10 m
Speed	300 RPM	400 RPM	500 RPM	750 RPM	850 RPM
Km/h	6 8 10 12 15	6 8 10 12 15	6 8 10 12 15	6 8 10 12 15	8 10 12 15 20
Slide opening:					
at 3 kg/ha	21 23 25 27 20	22 24 26 28 20	23 24 27 28 21 23	24 26 28 22 23	25 28 33
at 5 kg/ha	21 23 25 27 29	21 23 26 28 29	21 24 27 28 30 22 24	27 30 31 25 26 28 31 36	Hole 2.5 Hole 2.5
Position of casting shovel					

Check settings with field samples.

LEHNER SuperVario®

Mesurol

Spreading width	12 m	15 m	18 m	21 m	24 m
Speed	1000 RPM	1800 RPM	2300 RPM	2500 RPM	2700 RPM
Km/h	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20
Slide opening:					
at 3 kg/ha	23 24 26 29 33	23 25 28 30 34	23 25 28 30 35	23 25 28 31 36	24 25 29 32 36
at 5 kg/ha	26 27 28 31 39	27 30 32 37 41	28 31 34 39 42	28 32 36 41 43	30 33 37 44 45
Position of casting shovel	Hole 3				

For large spreading widths, note wind speed to avoid incorrect spreading.

At lower delivery heights, the speed of the disc must be increased.

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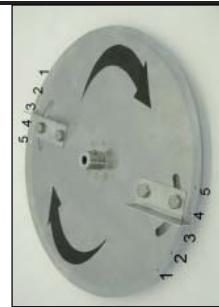
If lateral distribution is uneven, adjust casting shovels.

If there is no scale on the spreading disc, 2 means slightly out of the midpoint in the direction of rotation. 3 means the middle of the slot.

In the universal spreader, the slide setting is the same, and only needs to be shifted by one decimal place. E.g. 41 is changed to 4.1

The speed may decrease at the upper spreading width. Please shorten stirring shaft by half.

Status: 08/2003 ©LEHNER



Spreading chart, METAREX slug pellets

Delivery height: 1.30 m

Check settings with field samples.

LEHNER SuperVario®									
Delivery height: 1.30 m									
Check settings with field samples.									
Spreading width									
Speed	250 RPM	350 RPM	400 RPM	400 RPM	600 RPM	600 RPM	750 RPM	750 RPM	10 m
km/h	6 8 10 12 15	6 8 10 12 15	6 8 10 12 15	6 8 10 12 15	6 8 10 12 15	6 8 10 12 15	8 10 12 15	8 10 12 15	20
Slide opening:									
at 3 kg/ha	/ 22 24 26	/ 23 24 27	/ 22 24 25	/ 22 24 25	/ 23 25	/ 23 25	29	24	26
at 5 kg/ha	23 24 25 27 29	24 25 26 28	30 25	26 27	28	31 26	27	28	30 31
at 7 kg/ha	25 26 27 29 31	26 27 28	31 33	27 28	29	32 34	28	29	33 34
Position of casting shovels	Hole 2.5	Hole 2.5	Hole 2.5	Hole 2.5	Hole 2.5	Hole 2.5	Hole 2.5	Hole 2.5	Hole 2.5
Spreading width									
Speed	1000 RPM	1700 RPM	2500 RPM	2500 RPM	2550 RPM	2550 RPM	2800 RPM	2800 RPM	24 m
km/h	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20	20
Slide opening:									
at 3 kg/ha	25 27 28 31 34	26 28 30 32	35 27 29 30	33 36	28 30	32 36	38	30	32 34 38 41
at 5 kg/ha	28 29 32 33 36	28 30 33	34 38	30 31	35 36	39 31	32 36	37	42 33 34 38 42 45
at 7 kg/ha	31 32 35 40 42	32 33 37	41 43	33 34	39 42	46 34	35 40	43	51 35 38 42 45 53
Position of casting shovels	Hole 2	Hole 2	Hole 2	Hole 2	Hole 2	Hole 2	Hole 2	Hole 2	Hole 2

For large spreading widths, wind speed should be noted to avoid incorrect spreading.

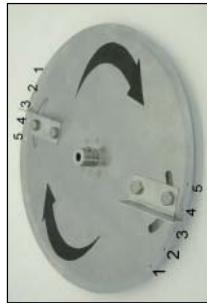
At lower delivery heights, the speed of the disc must be increased. ©

If lateral distribution is uneven, adjust casting shovels.

If there is no scale on the spreading disc, 2 means slightly out of the midpoint in the direction of rotation. 3 means the middle of the slot.

In the universal spreader, the slide setting up to 50 is the same, and only needs to be shifted by one decimal place. E.g. 41 is changed to 4.1

From 50 onwards, the slide unit of the SuperVario is somewhat larger, because it is pear-shaped
Status: 11/2004 ©LEHNER



Spreading chart, Ferramol slug pellets LEHNER SuperVario®

Delivery height: 1.30 m

Check settings with field samples.

Spreading width	3 m					4 m					6 m					9 m					10 m				
Speed	250 RPM					300 RPM					500 RPM					850 RPM					1000 RPM				
km/h	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15	6	8	10	15	20
Slide opening:																									
at 3 kg/ha	30	31	32	33	34	28	31	32	33	34	29	32	33	34	35	30	33	35	36	38	32	34	36	40	46
at 6 kg/ha	30	33	35	37	38	31	34	36	39	42	33	35	37	41	43	35	39	41	44	49	36	41	44	52	60
at 9 kg/ha	32	37	38	39	41	35	40	42	44	46	38	41	44	46	48	42	44	48	51	54	44	47	51	59	71
at 12 kg/ha	35	39	40	42	43	38	43	45	47	49	42	45	47	49	53	45	49	50	53	58	48	53	56	63	81
at 25 kg/ha	41	45	49	53	59	48	53	58	63	70	56	57	61	66	73	63	71	79	86	97	66	75	82	100	
Position of casting shovel	Hole 5					Hole 5					Hole 4					Hole 5					Hole 5				

Spreading width	12 m					15 m					18 m					21 m					24 m					
Speed	1200 RPM					1700 RPM					1900 RPM					2400 RPM					2650 RPM					
km/h	6	8	10	15	20	6	8	10	15	20	6	8	10	15	20	6	8	10	15	20	6	8	10	15	20	
Slide opening:																										
at 3 kg/ha	33	35	37	42	47	34	36	38	43	48	35	37	39	44	49	36	38	41	45	50	37	39	44	47	51	
at 6 kg/ha	37	42	46	54	62	38	43	48	55	63	40	44	49	57	65	41	45	50	58	66	43	47	51	59		
at 9 kg/ha	45	50	54	64	75	46	51	55	67	78	47	52	57	70	81	48	53	58	71	83	49	55	63			
at 12 kg/ha	49	56	59	68	85	50	57	63	74	88	51	59	65	79	93	52	60	66	84	95	55	63				
at 25 kg/ha	68	79	86	/	/	69	81	90	/	/	74	86	97	/	/	59	68	75	/	61	71	/				
Position of casting shovel	Hole 5					Hole 5					Hole 5					Hole 4					Hole 5					

For large spreading widths, wind speed should be noted to avoid incorrect spreading.

At lower delivery heights, the speed of the disc must be increased.

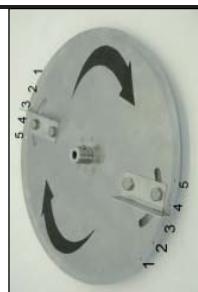
If lateral distribution is uneven, adjust casting shovels.

If there is no scale on the spreading disc, 2 means slightly out of the midpoint in the direction of rotation, 3 means the middle of the slot.

In the universal spreader, the slide setting up to 50 is the same, and only needs to be shifted by one decimal place. E.g. 41 is changed to 4.1

From 50 onwards, the slide unit of the SuperVario is somewhat larger, because it is pear-shaped.

Status: 08/2005 ©LEHNER



Spreading chart, Clartex blue slug pellets

Delivery height: 1.30 m

Check settings with field samples.

LEHNER SuperVario®

Spreading width	3 m	4 m	6 m	9 m	10 m
Speed	250 RPM	350 RPM	400 RPM	600 RPM	750 RPM
Km/h	6 8 10 12 15	6 8 10 12 15	6 8 10 12 15	6 8 10 12 15	6 8 10 12 15
Slide opening:					
at 3 kg/ha	23 24 26	24 25 28	24 26 27	30 25 26 28 29 32	30 31 32 34 35
at 5 kg/ha	23 24 25 27 29	25 26 27 29 31	27 28 29 30 33 29 30 31 32 35	31 32 35 31 32 33 37 38	
at 7 kg/ha	25 26 27 29 31	27 28 29 32 34	29 30 31 34 36 31 32 33 35 38 34 35 38 40 41	35 36 37 38 39 40 41 42 43 44 45 46 47	
Position of casting shoe	Hole 2.5	Hole 2.5	Hole 2.5	Hole 2.5	Hole 2.5

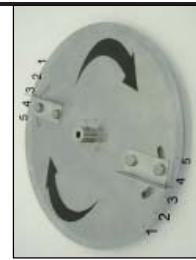
Spreading width	12 m	15 m	18 m	21 m	24 m
Speed	1000 RPM	1700 RPM	2500 RPM	2650 RPM	2800 RPM
Km/h	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20
Slide opening:					
at 3 kg/ha	29 31 32 35 38	30 32 33 36 39	31 33 34 37 40	34 36 38 42 44	36 38 40 44 47
at 5 kg/ha	32 33 36 37 40	33 34 37 38 42	34 35 39 40 43	37 38 42 43 48	39 40 44 48 51
at 7 kg/ha	35 36 39 44 46	36 37 41 45 48	37 38 43 46 50	40 41 46 49 57	41 44 48 51 59
Position of casting shoe	Hole 2				

For large spreading widths, wind speed should be noted to avoid incorrect spreading.
At lower delivery heights, the speed of the disc must be increased.

If lateral distribution is uneven, adjust casting shovels.

In the universal spreader, the slide setting up to 50 is the same, and only needs to be shifted by one decimal place. E.g. 41 is changed to 4.1

From 50 onwards, the slide unit of the SuperVario is somewhat larger, because it is pear-shaped.



Status: 08/2005 ©LEHNER

Spreading chart, Spiess slug pellets LEHNER Super Vario®

Delivery height: 1.30 m

Spreading width	12 m	15 m	20 m	24 m	Note
Speed	1200 RPM	1800 RPM	2700 RPM	2900 RPM	
km/h	10 15 20	10 15 20	10 15 20	10 15 20	
Slide opening:					
at 4 kg/ha	21 34 36	23 30 37	23 31 37	27 34 38	
Position of casting shovel	Hole 3	Hole 3	Hole 3	Hole 3	

For large spreading widths, note wind speed to avoid incorrect spreading.

At lower delivery heights, the speed of the disc must be increased.

If lateral distribution is uneven, adjust casting shovels.

The speed may decrease at the upper spreading width. Please shorten stirring shaft by half.

The pull of the spreading disc increases as the speed increases.

In the universal spreader, the slide setting is the same, and only needs to be shifted by one decimal place. E.g. 4.1 is changed to 4.1

©LEHNER



Spreading chart, DELICIA slug pellets

LEHNER SuperVario®

Delivery height: 1.30 m

Check settings with field samples.

Spreading width	3 m	4 m	6 m	9 m
RPM	350 RPM	450 RPM	550 RPM	920 RPM
Km/h	6 8 10 12 15 20	6 8 10 12 15 20	6 8 10 12 15 20	6 8 10 12 15 20
Strale opening				
at 3 kg/ha	23 24 25 26	23 25 26 27	24 26 27 28	24 27 28 29
Position of casting sh.	Hole 3	Hole 4	Hole 4	Hole 4

Spreading width	10 m	12 m	15 m	21 m
RPM	1000 RPM	1350 RPM	1900 RPM	3000 RPM
Km/h	6 8 10 12 15 20	6 8 10 12 15 20	6 8 10 12 15 20	6 8 10 12 15 20
Strale opening				
at 3 kg/ha	25 28 29 31 33 38	24 27 29 30 33 38	24 27 29 30 33 37	24 26 29 31 34 39
Position of casting sh.	Hole 4	Hole 4	Hole 4	Hole 4

For large spreading widths, wind speed should be noted to avoid incorrect spreading.

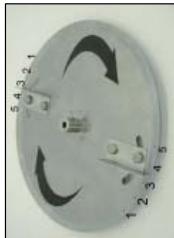
At lower delivery heights, the speed of the disc must be increased.

If lateral distribution is uneven, adjust casting shovels.

In the universal spreader, the slide setting is the same, and only needs to be shifted by one decimal place.
E.g. 41 is changed to 4.1

Status: 08/2005

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Spreading chart, FCS slug pellets

LEHNER SuperVario®

Delivery height: 1.30 m

Check settings with field samples.

Spreading width	3 m	4 m	6 m	9 m	10 m
Speed	300 RPM	350 RPM	750 RPM	1100 RPM	1200 RPM
km/h	6 8 10 12 15	6 8 10 12 15	6 8 10 12 15	6 8 10 12 15	8 10 12 15 20
Slide opening:					
at 3 kg/ha	/ / / / 24 25	/ / / / 25 26	/ / / / 26 27	/ / / / 24 27	30 24 26 28 31 34
at 6 kg/ha	24 25 27 29 31	25 28 29 30 33	26 29 30 31 34	28 30 33 36 39 31 34 37 40 44	
Position of casting shovel	Hole 5	Hole 4.5	Hole 4.5	Hole 5	Hole 4.5

Spreading width	12 m	15 m	18 m	21 m	24 m
Speed	1350 RPM	1800 RPM	2250 RPM	2400 RPM	2650 RPM
km/h	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20	8 10 12 15 20
Slide opening:					
at 3 kg/ha	25 26 29 32 36	26 27 30 33 37	27 28 31 34 38	28 29 32 35 39 29 30 33 36 40	
at 6 kg/ha	32 36 38 42 45	33 37 39 43 46	34 38 40 44 47	35 39 42 45 49 36 40 43 46 50	
Position of casting shovel	Hole 4	Hole 4.5	Hole 4.5	Hole 4.5	Hole 4.5

For large spreading widths, wind speed should be noted to avoid incorrect spreading.

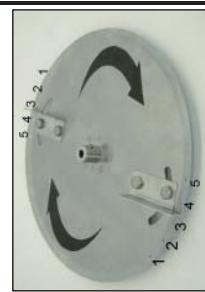
At lower delivery heights, the speed of the disc must be increased.

If lateral distribution is uneven, adjust casting shovels.

If there is no scale on the spreading disc, 2 means slightly out of the midpoint in the direction of rotation. 3 means the middle of the slot.

In the universal spreader, the slide setting up to 50 is the same, and only needs to be shifted by one decimal place. E.g. 41 is changed to 4.1

From 50 onwards, the slide unit of the SuperVario is somewhat larger, because it is pear-shaped
Status: 07/2006 ©LEHNER



Spreading chart, Arinex slug pellets

Delivery height: 1.30 m

Check settings with field samples.

Spreading width	3 m	4 m	6 m	9 m	10 m														
Speed	300 RPM	350 RPM	750 RPM	1100 RPM	1200 RPM														
Km/h	6 8 10 12 15 6 8 10 12 15 6 8 10 12 15 8 10 12 15 20																		
Slide opening:																			
at 3 kg/ha	23 24 23 24 24 24 25 25 25 25 25 25 26 26 26 26 26 26 26 33																		
at 6 kg/ha	23 24 26 28 30 24 27 28 29 32 25 28 29 30 33 27 29 32 35 38 30 33 36 39 43	Hole 5	Hole 4.5																
Position of casting slot																			

Spreading width	12 m	15 m	18 m	21 m	24 m														
Speed	1350 RPM	1800 RPM	2250 RPM	2400 RPM	2650 RPM														
Km/h	8 10 12 15 20 8 10 12 15 20 8 10 12 15 20 8 10 12 15 20																		
Slide opening:																			
at 3 kg/ha	23 24 27 30 34 23 24 27 30 34 23 24 27 30 34 23 24 27 30 34																		
at 6 kg/ha	30 34 36 40 43 30 34 36 40 43 30 34 36 40 43 30 34 37 40 44 30 34 37 40 44	Hole 4	Hole 4	Hole 4.5															
Position of casting slot																			

For large spreading widths, note wind speed to avoid incorrect spreading.

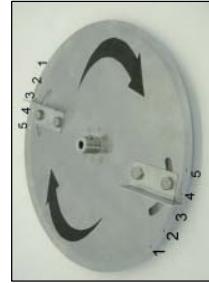
At lower delivery heights, the speed of the disc must be increased.

If lateral distribution is uneven, adjust casting shovels.

If there is no scale on the spreading disc, 2 means slightly out of the midpoint in the direction of rotation. 3 means the middle of the slot.

In the universal spreader, the slide setting is the same, and only needs to be shifted by one decimal place. E.g. 4.1 is changed to 4.1

The speed may decrease at the upper spreading width. Please shorten stirring shaft by half.



Status: 07/2008 ©LEHNER

Spreading chart, Natrox slug pellets

Delivery height: 1.30 m

Check settings with field samples.															
Spreading width	3 m			4 m			6 m			9 m			10 m		
Speed	300 RPM			350 RPM			750 RPM			1100 RPM			1200 RPM		
Km/h	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15
Slide opening:															
at 3 kg/ha	23	24	23	24	24	24	25	25	25	26	23	26	29	23	24
at 6 kg/ha	23	24	26	28	30	24	27	28	29	30	33	27	29	32	27
Position of casting shd	Hole 5	Hole 5	Hole 4.5	Hole 5	Hole 4.5	Hole 4.5	Hole 4.5	Hole 4.5							

Check settings with field samples.															
Spreading width	12 m			15 m			18 m			21 m			24 m		
Speed	1350 RPM			1800 RPM			2250 RPM			2400 RPM			2650 RPM		
Km/h	8	10	12	15	20	8	10	12	15	20	8	10	12	15	20
Slide opening:															
at 3 kg/ha	24	25	28	31	35	25	26	29	32	36	25	26	29	32	36
at 6 kg/ha	31	35	37	41	44	32	36	38	42	45	32	36	38	42	45
Position of casting shd	Hole 4	Hole 4	Hole 4	Hole 4	Hole 4.5	Hole 5	Hole 4.5	Hole 4.5	Hole 4.5	Hole 4.5					

For large spreading widths, note wind speed to avoid incorrect spreading.

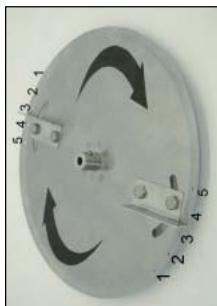
At lower delivery heights, the speed of the disc must be increased.

If lateral distribution is uneven, adjust casting shovels.

If there is no scale on the spreading disc, 2 means slightly out of the midpoint in the direction of rotation. 3 means the middle of the slot.

In the universal spreader, the slide setting is the same, and only needs to be shifted by one decimal place. E.g. 41 is changed to 4.1

The speed may decrease at the upper spreading width. Please shorten stirring shaft by half.



Status: 07/2008 © LEHNER

Spreading chart, Sluxx

Delivery height: 1.30 m

Status: 09/2009

LEHNER SuperVario®

Check settings with field samples.

Spreading width	3 m			4 m			6 m			9 m			10 m		
Speed	350 RPM			450 RPM			650 RPM			7000 RPM			1200 RPM		
Km/h	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15
Stride opening:															
at 5 kg/ha	15	17	18	20	21	18	20	23	24	26	19	21	24	25	27
at 7 kg/ha	18	20	21	22	23	22	24	25	26	28	23	25	26	28	29
Position of casting shovel	Hole 4.5			Hole 4.5			Hole 4.5			Hole 3.5			Hole 3.5		

Spreading width	12 m			15 m			18 m			21 m			24 m		
Speed	1350 RPM			1550 RPM			1900 RPM			2550 RPM			3000 RPM		
Km/h	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15
Stride opening:															
at 5 kg/ha	25	26	30	35	39	26	27	31	36	42	27	28	32	38	45
at 7 kg/ha	28	31	33	37	43	29	32	34	39	45	31	34	37	43	52
Position of casting shovel	Hole 4.5														

For large spreading widths, wind speed should be noted to avoid incorrect spreading.

At lower delivery heights, the speed of the disc must be increased.

If lateral distribution is uneven, adjust casting shovels.

The speed may decrease at the upper spreading width. Please shorten stirring shaft by half.

The pull of the spreading disc increases as the speed increases.



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Spreading chart, Patrol MetaPads

Delivery height: 1.30 m

Check settings with field samples.

Spreading width	3 m			4 m			6 m			9 m			10 m		
Speed	350 RPM			450 RPM			550 RPM			1000 RPM			1200 RPM		
Km/h	6	8	10	12	15	6	8	10	12	15	6	8	10	12	15
Slide opening:															
at 4 kg/ha	1/2	2/3	2/4	2/5	2/3	2/4	2/5	2/6	2/7	2/9	3/2	3/4	2/2	2/4	2/6
Position of casting shaft	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3

Spreading width	12 m			15 m			18 m			21 m			24 m		
Speed	1400 RPM			2000 RPM			2600 RPM			2900 RPM			3000 RPM		
Km/h	8	10	12	15	20	8	10	12	15	20	8	10	12	15	20
Slide opening:															
at 3 kg/ha	1/2	2/3	2/4	2/5	2/6	2/7	2/8	2/9	2/10	2/11	2/4	2/6	3/0	3/2	3/4
at 4 kg/ha	25	31	33	36	39	26	31	33	36	39	28	31	32	36	40
Position of casting shaft	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3	Hole 3

For large spreading widths, note wind speed to avoid incorrect spreading.

At lower delivery heights, the speed of the disc must be increased.

If lateral distribution is uneven, adjust casting shovels.

The speed may decrease at the upper spreading width. Please shorten stirring shaft by half.

The pull of the spreading disc increases as the speed increases.

In the universal spreader, the slide setting is the same, and only needs to be shifted by one decimal place. E.g. 4.1 is changed to 4.1

Status: 05/2009 ©LEHNER

PATROL®
META
PADS



Spreading chart, oilseed LEHNER SuperVario®

Delivery height: 1.00 m Status: 08/2005 Check settings with field samples.

Spreading width	2.5 m			3.00 m			4.00 m			4.70 m		
RPM	300 RPM			350 RPM			400 RPM			460 RPM		
km/h	6	8	10	12	6	8	10	12	6	8	10	12
Slide opening:												
at 6 kg/ha	18	19	17	19	20	17	19	21	23	18	20	23
at 8 kg/ha	20	21	19	21	23	19	22	24	26	20	23	26
at 10 kg/ha	17	19	22	23	18	21	23	26	21	24	26	28
at 12 kg/ha	19	21	23	24	20	23	25	28	23	26	28	31

Spreading width	6.00 m			9.00 m			12.00 m			15.00 m		
RPM	600 RPM			980 RPM			1300 RPM			2300 RPM		
km/h	6	8	10	12	6	8	10	12	8	10	15	20
Slide opening:												
at 6 kg/ha	20	23	26	28	24	27	29	32	30	33	42	
at 8 kg/ha	23	26	28	30	27	29	31	34	32	38	50	
at 10 kg/ha	26	28	30	32	29	31	33	36	34	43	58	
at 12 kg/ha	28	30	32	34	31	33	35	48	36	48	66	

Position of casting shovels: 2.0 to 2.5



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At low delivery heights, the speed of the disc must be increased.

In the universal spreader, the slide setting up to 50 is the same, and only needs to be shifted by one decimal place. E.g. 41 is changed to 4.1

From 50 onwards, the slide unit of the SuperVario is somewhat larger, because it is pear-shaped.

Spreading chart, Mollustop®

Delivery height: 1.30 m

Status: 08/2011

Check settings with field samples.

Spreading width	3 m	4 m	6 m	9 m
RPM	350 RPM	450 RPM	500 RPM	900 RPM
Km/h	6 8 10 12 15 20	6 8 10 12 15 20	6 8 10 12 15 20	6 8 10 12 15 20
Slide opening				
at 3 kg/ha	19 21 23 25 28 19 21 23 24 26 29 20 22 24 25 27 30 20 24 25 26 28 31			
Position of casting shovel	Hole 3	Hole 3	Hole 3	Hole 3

Spreading width	10 m	12 m	15 m	21 m
RPM	1000 RPM	15000 RPM	2000 RPM	2600 RPM
Km/h	6 8 10 12 15 20	6 8 10 12 15 20	6 8 10 12 15 20	6 8 10 12 15 20
Slide opening				
at 3 kg/ha	21 22 24 25 29 32 21 23 25 26 29 33 22 22 26 27 30 35 23 24 27 30 33 38			
Position of casting shovel	Hole 3	Hole 3	Hole 3	Hole 3

For large spreading widths, wind speed should be noted to avoid incorrect spreading.

At lower delivery heights, the speed of the disc must be increased.

If lateral distribution is uneven, adjust casting shovels.

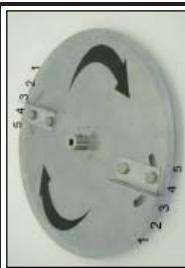
The speed may decrease at the upper spreading width. Please shorten stirring shaft by half.

In the universal spreader, the slide setting is the same, and only needs to be shifted by one decimal place.

E.g. 4.1 is changed to 4.1

Important: This spreading chart has not yet been field-tested.

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Guide plate setting values LEHNER SuperVario®

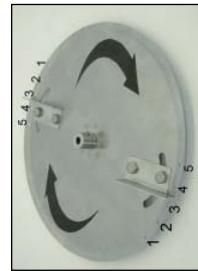
Fodder radish

Delivery height 1 m	Spreading width	RPM	Wing position (wings from left to right)					Casting shovels
			Wing 1	Wing 2	Wing 3	Wing 4	Wing 5	
1.5 m	200	7	18	28	60	70	81	Hole 2
2.0 m	450	7	18	28	60	70	81	Hole 2
2.5 m	650	5	16	28	60	73	83	Hole 2
4.7 m	800	5	13	26	64	75	84	Hole 2
5.0 m	1050	3	13	26	64	76	85	Hole 2
6.0 m	1150	1	11	26	64	78	88	Hole 2

Please refer to the spreading chart for fodder radish to find the slide opening
Check settings with a field test.



Status 05/2003
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Guide plate setting values

LEHNER SuperVario®

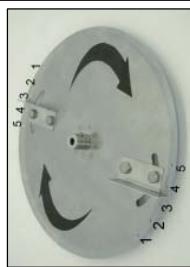
Grasses

Delivery height 1 m	Spreading width	Wing position (wings from left to right)					Casting shovels
		RPM	Wing 1	Wing 2	Wing 3	Wing 4	
1 m	300	10	19	27	61	70	79
1.5 m	1100	10	19	27	61	71	80
2 m	1600	9	17	26	61	73	81
3 m	1800	6	16	26	61	73	84
4 m	2150	1	12	26	61	78	88

Please refer to the spreading chart for grasses to find the slide opening
Check settings with a field test.



Status 05/2003
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Guide plate setting values

LEHNER SuperVario®

Yellow mustard

Delivery height 1 m	Wing position (wings from left to right)						Casting shovels	
	Spreading width	RPM	Wing 1	Wing 2	Wing 3	Wing 4	Wing 5	Wing 6
1.5 m	200	9	20	30	60	70	81	Hole 1
2.0 m	300	7	17	27	63	73	83	Hole 1
2.5 m	300	1	11	21	69	79	89	Hole 1
3.0 m	550	1	11	21	69	79	89	Hole 1
4.0 m	750	5	11	21	69	79	85	Hole 1
4.7 m	1150	1	11	21	69	79	89	Hole 3
5.0 m	1200	1	11	21	69	79	89	Hole 3
6.0 m	1550	1	11	21	69	79	89	Hole 3

Please refer to the spreading chart for yellow mustard to find the slide opening
Check settings with a field test.



Status 04/2003
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