

User manual



# ***CULTIPACK SEEDER***



Translation of the original user manual



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## EU – DECLARATION OF CONFORMITY



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**declare that this “EU - DECLARATION OF CONFORMITY” is issued under our sole responsibility and belongs to the following product:**

**CULTIPACK SEEDER WITH MACHINE NUMBER AS INDICATED ON THE MACHINE AND IN THIS MANUAL,**

**to which this declaration refers, complies with stipulation of:**

**2006/42/EC Machinery Directive**

**and with the standards:**

- **ISO 12100-1:2010** Safety of machinery - General principles for design - Risk assessment and risk reduction
- **ISO 13857:2019** Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs
- **ISO 4254-1:2015** Agricultural machinery - Safety - Part 1: General requirements
- **ISO 4254-9:2018** Agricultural machinery - Safety - Part 9: Seed drills

Zeist, 03-01-2022



**C.H.G. de Bree**  
**Redexim Handel- en Exploitatie Maatschappij B.V.**

## UK – DECLARATION OF CONFORMITY



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**CULTIPACK SEEDER WITH MACHINE NUMBER AS INDICATED ON THE MACHINE AND IN THIS MANUAL,**

**to which this declaration refers, complies with stipulation of:**

**S.I. 2008 No. 1597 HEALTH AND SAFETY The Supply of Machinery (Safety) Regulations 2008**

**and with the standards:**

- **ISO 12100-1:2010** Safety of machinery - General principles for design - Risk assessment and risk reduction
- **ISO 13857:2019** Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs
- **ISO 4254-1:2015** Agricultural machinery - Safety - Part 1: General requirements
- **ISO 4254-9:2018** Agricultural machinery - Safety - Part 9: Seed drills

Zeist, 03-01-2022

A handwritten signature in blue ink, appearing to be 'C.H.G. de Bree'.

**C.H.G. de Bree**

**Redexim Handel- en Exploitatie Maatschappij B.V.**

## FOREWORD

Congratulation on your Cultipack Seeder purchase. For safe and long-lasting operation of this Cultipack Seeder, it is necessary to read and to understand this user manual. It is impossible to work safely with this machine *without* complete knowledge of the content of the user manual.

The Cultipack Seeder is not a machine that works independently. It is the user's responsibility to use the correct tiller. The user must also check the tiller / Cultipack Seeder combination on safety aspects such as noise level, user instructions and risk analysis.

The following pages deal initially with the general safety instructions. Every user should know these safety instructions and apply them. At the end of this page, a registration card is inserted. This registration card should be returned to enable us to deal with potential future claims.

This user manual lists many instructions that are numbered in sequence. You should follow this sequence. A  is an indication of a safety instruction. A  means a tip and/or note.

All information and technical specifications provided at the moment that this document is published are the most recent ones. Design specifications may be changed without prior notice.

## WARRANTY CONDITIONS

WITH DELIVERY THIS BLEC-REDEXIM MACHINE IS GUARANTEED AGAINST MATERIAL DEFECTS.

THIS WARRANTY IS VALID FOR A PERIOD OF 12 MONTHS FROM THE PURCHASE DATE.

BLEC-REDEXIM WARRANTIES ARE SUBJECT TO THE 'GENERAL CONDITIONS FOR SUPPLY OF PLANT AND MACHINERY FOR EXPORT, NUMBER 188' THAT ARE PUBLISHED UNDER THE AUSPICES OF THE UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE.

## REGISTRATION CARD

For your own information, fill in the table below:

Serial number of the machine	
Dealer name	
Date of purchase	
Remarks	

## !! SAFETY INSTRUCTIONS !!



Figure 1

The BLEC Cultipack Seeder is designed for safe use. This can only be achieved if you completely follow the safety instructions described in this manual.

**Read and understand** (Figure 1) the manual *before* you start using the BLEC-Redexim machine.

If the machine is not used as described in this manual, this can result in injuries and/or damage to the machine.

### INTENDED USE OF THE MACHINE AND OBLIGATIONS OF THE USER

Treating fields/lawns is the only purpose of the machine. Any other use is improper. The manufacturer will not accept any liability for damage resulting from improper use. All risks occurring with this are entirely at the expense of the user.

All persons assigned to operate, maintain and repair the **machine** by the owner must completely read and understand the operation manual and in particular the chapter of **Safety Instructions**.

The machine is manufactured according to the latest technical understanding and is safe to use.

Modifications to the Cultipack Seeder (including its operations) that have a negative impact on safety must be rectified immediately.

The user is **obliged to check** the Cultipack Seeder for **visible damage and defects** before using the Cultipack Seeder.

For safety reasons it is in principle not permitted to make changes or adjustments to the Cultipack Seeder (except those approved by the manufacturer). If **modifications** to the Cultipack Seeder have been made, then the current CE marking is cancelled. The person that has made these modifications has to apply for a new **CE marking himself**.

Following the use, maintenance and repair instructions prescribed by the manufacturer is also considered proper use of this machine.

The user is responsible for a **safe combination of the Cultipack Seeder and the tiller**. **This entire combination must be tested** for noise, safety, risk and user friendliness. User instructions should also be drafted.

Dress appropriately during work activities to the Cultipack Seeder. Wear sturdy shoes with steel toecaps, long trousers and tie up long hair. Do not wear loose clothing.

The general applicable health & safety (Dutch: ARBO) regulations must also be followed in addition to the instructions in this user manual.

Relevant traffic regulations also apply in case of using public roads.

## REQUIREMENTS FOR THE ENVIRONMENT AND TOWING VEHICLES

Inspect the area to be treated *before* using the Cultipack Seeder. Remove loose obstacles and avoid irregularities.

As described in the Technical Data, always use the Cultipack Seeder in combination with a towing vehicle that is suitable for this job.

Do not use the Cultipack Seeder in the dark, in heavy rain/storm or on slopes with an angle larger than 20 degrees.

## REQUIREMENTS DURING MAINTENANCE, REPAIR AND ADJUSTMENTS

Keep a record of the repair activities.

When unskilled people use, maintain or repair the machine, this could result in injuries to the user *and* to third parties. **This must be avoided!**

Use only original BLEC-Redexim parts for maintenance or repairs because of the safety of the machine *and* of the user.

Only authorised technical personnel may carry out repairs to the Cultipack Seeder.

In case of maintenance, adjusting and repairs, it is necessary to block the Cultipack Seeder in order to prevent sinking away, driving off and/or sliding off.

If a hydraulic installation is present, you should **always** make it pressure-free *before* working on this installation.

Used oil/grease is harmful to the environment. Dispose of these substances according to the regulations that apply in your location.

## REQUIREMENTS PRIOR TO AND DURING WORK ACTIVITIES TO THE MACHINE

Attach the Cultipack Seeder to the towing vehicle according to the regulations. (**Danger of injuries!**)

**NEVER** use the Cultipack Seeder in the absence of protective guards and safety stickers.

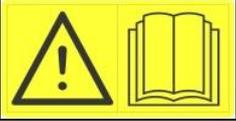
Check the Cultipack Seeder for loose bolts, nuts and components *before* every operation.

Check whether you have a clear field of vision – both close by and far away – *before* you start moving.

All persons who are going to operate the Cultipack Seeder must be familiar with all the functions and control elements of the Cultipack Seeder *before* starting any work activities.

**NEVER** crawl under the Cultipack Seeder. If necessary, tip over the Cultipack Seeder to work at the bottom side.

If present, check the hydraulic hoses regularly and replace these when the hydraulic hoses are damaged or appear old. The hoses that are replaced should comply with the technical requirements of the manufacturer.

<b>SAFETY STICKERS</b>	
<p>Safety stickers are located on both sides of the Cultipack Seeder (Figures 2 and 3). These safety stickers must always be clearly visible and legible and must be replaced if they have become damaged.</p>	
 <p><b>Figure 2</b> <b>921.280.402</b></p>	<ul style="list-style-type: none"> <li>- In case of maintenance, adjustments and repair, <b><u>always switch OFF the engine of the tiller.</u></b></li> <li>- Keep a <b><u>distance of minimum 4 metres</u></b> if the machine is operating (except the operator).</li> </ul>
 <p><b>Figure 3</b> <b>900.280.402</b></p>	<ul style="list-style-type: none"> <li>- Prior to using the machine, the operators of the machine <b>must read the user manual carefully.</b></li> </ul>
 <p><b>900.280.404</b></p>	<ul style="list-style-type: none"> <li>- Be careful not to get stuck hands and/or other body parts when folding the footboard up or down.</li> </ul>

### Location of the Safety Stickers

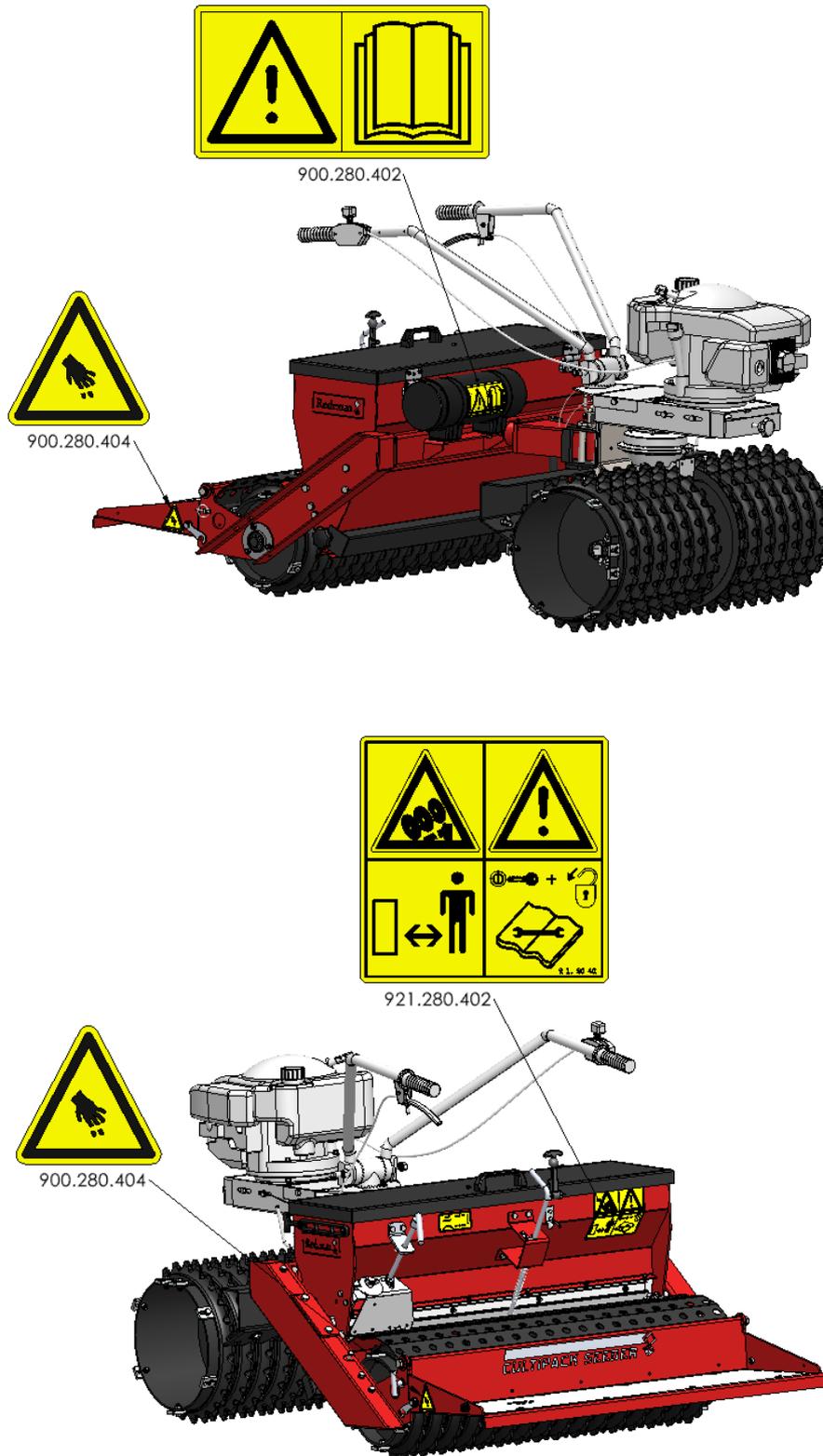


Figure 4

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## 1. TECHNICAL DATA

<b>Model</b>	<b>Cultipack Seeder</b>
Working width	91cm
Seed volume capacity	3 – 50 g per m <sup>2</sup>
Hopper capacity	55 litres
Maximum surface area per hour	5000 m <sup>2</sup> per hour
Suitable tiller with 2 wheels	Honda F560, MIO F630 and BCS F740
Weight of the Cultipack Seeder	325kg
Dimensions of the Cultipack Seeder	Width 110, length 100 and height 70
Weight of the Cultipack Seeder + power tiller	Honda F560: 405kg MIO F630: 424kg BCS F740: 451kg
Dimensions of the Cultipack Seeder + power tiller	Approx. width 110, length 180 and height 120
Grease	EP 2

## 2. GENERAL DESCRIPTION

The Cultipack Seeder is a machine that can be used for sowing seeds in grass fields and sport fields. The machine must be attached to a suitable tiller that is suitable to carry out this operation.

The front rollers dig trenches in the ground. The sowing unit consists of a hopper that distributes the correct quantity of grass seeds evenly on to the ground. The quantity of seeds can be adjusted by means of the handles located on the hopper. After the seeds have fallen into the trenches, the rear roller takes care of covering the seeds with soil.

The machine has a footplate on which the operator can stand to operate the machine. You can also opt to walk in back of the machine. In that case, the footplate can be folded upwards.

### 3. FIRST INSTALLATION

The Cultipack Seeder must be prepared for first use as follows (see Figure 5):

1. Slide the drums including the cast-iron rings (10) on the axle of the two-wheel tiller. Start with the small ring of half the thickness of the other ones. The bolts and nuts that secure the rings must be directed outwards.
2. Secure the drums at both sides using the clips (12).
3. Attach the hitch jaw (1) to the two-wheel tiller using the pins (2).
4. Secure the pins by means of two bolts (4) and two nuts (3).
5. Attach the hinge point (5) to the hitch jaw (1) by using the pin (6).
6. Secure the pin (6) by means of a bolt (7) and a nut (8).
7. Mount the scraper support (13) using bolts (9) and nuts (14).
8. Adjust the scraper by means of the bolts and nuts to create a gap of 6-10mm between the cast-iron rings (10) and the scraper.

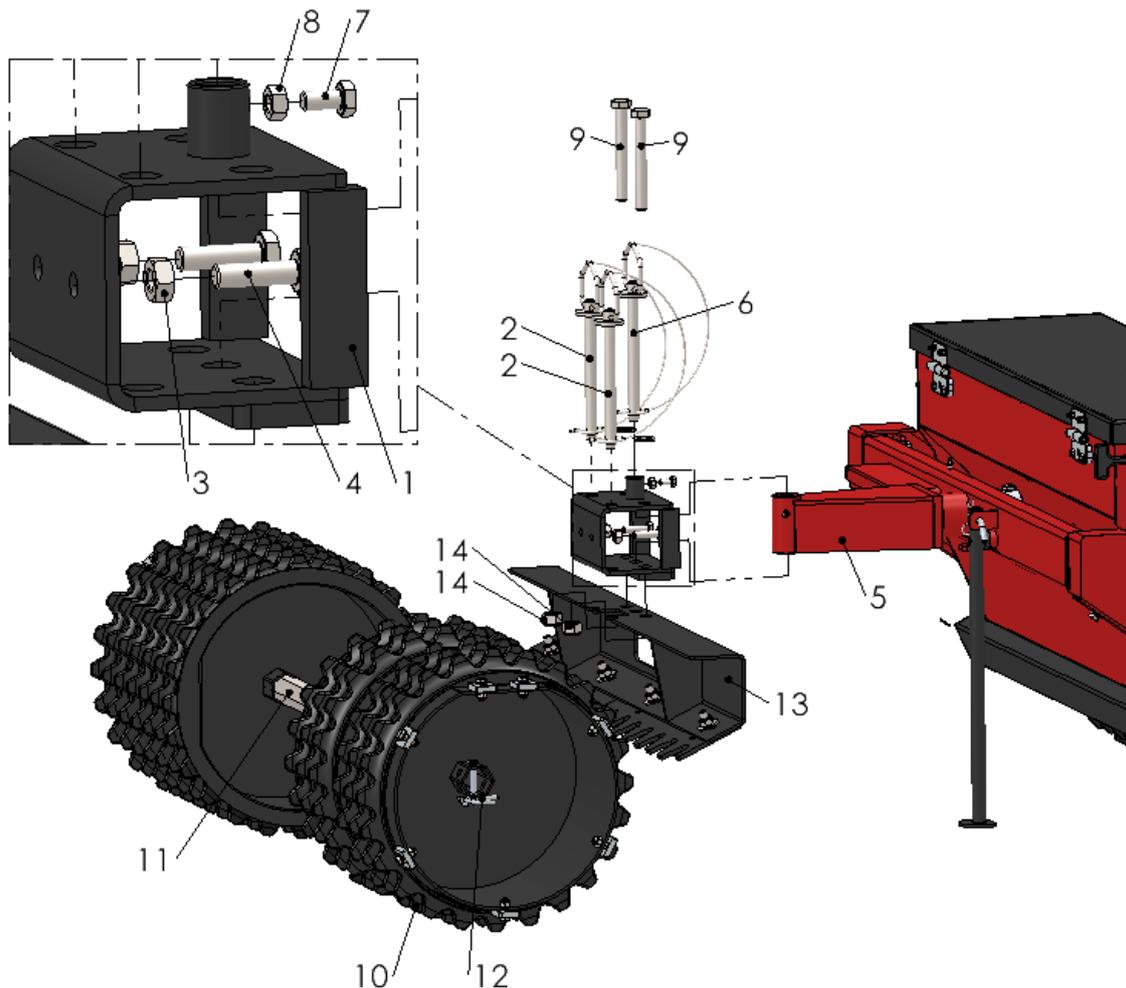


Figure 5

## 4. USING THE CULTIPACK SEEDER

Before using the Cultipack Seeder, you should check the following:

1. Are there loose objects in the field? First remove these objects.
2. Are there slopes? The maximum slope is 20 degrees for this machine. Always go from top to bottom.
3. Are there hard objects in the ground? If so, use the Cultipack Seeder at adjusted speed.
4. Is there danger of flying objects (e.g., golf balls) that distract the attention of the driver? If so, the Cultipack Seeder **CANNOT** be used.
5. Is there danger of sinking/sliding away? If so, postpone using the Cultipack Seeder.
6. If the soil is frozen or very wet, postpone the activities until conditions improve.

## 5. OPERATING THE CULTIPACK SEEDER

The Cultipack Seeder has a mechanism with which you can accurately set the quantity of seeds. This mechanism consists of two stainless-steel plates containing openings that can shift in relation to each other. This shifting ensures that the openings in the plates more or less overlap, so that a greater or smaller number of seeds can pass. The plates are operated by using the left-hand handle (2) (see Figure 6).

The right-hand handle operates the shut-off plate. This plate ensures that seeds can no longer come out of the machine by blocking the underside of the hopper. Use the shut-off plate during transport of the Cultipack Seeder.

Using the adjuster cam (1), you can adjust the maximum quantity of seeds that fall into the soil. The adjuster cam has a numerical scale with which the quantity of seeds supplied is linked to a specific settings of the cam.

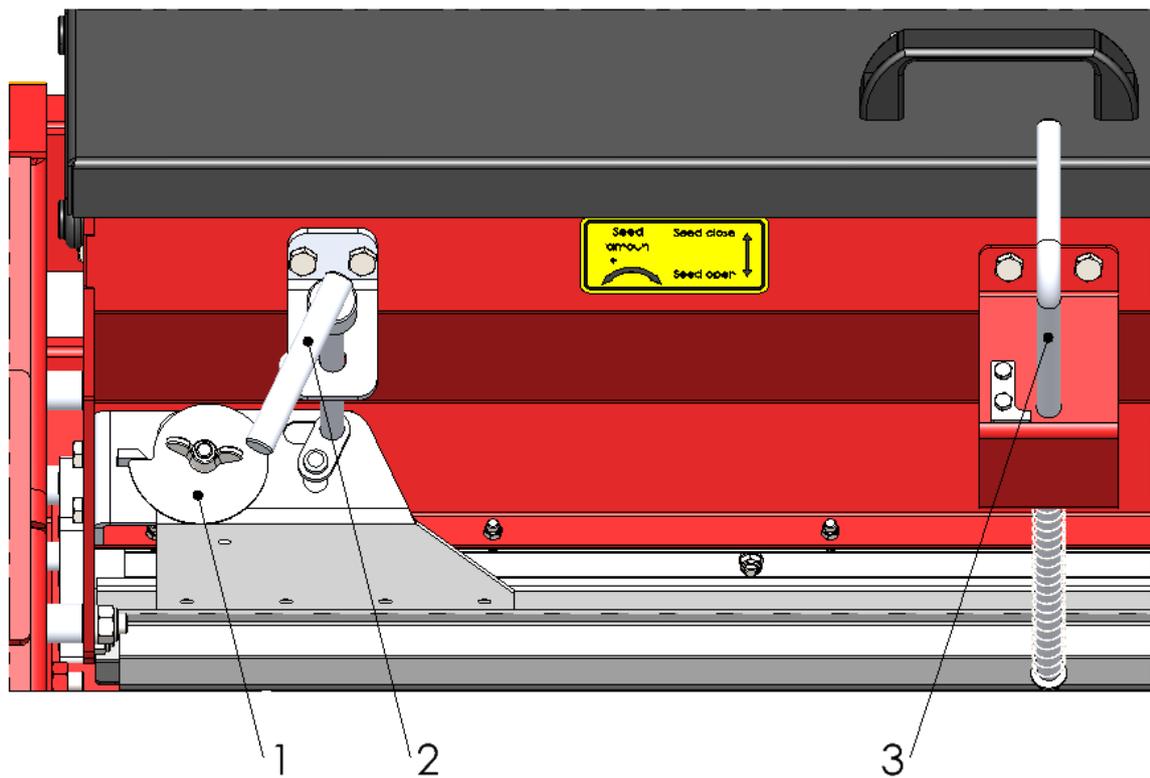


Figure 6

## 5.1 STARTING THE WORK ACTIVITIES

1. Drive to a spot where sowing must be carried out.
2. Check whether there are enough seeds in the hopper.
3. Put the handle (2) for the quantity of seeds in the minimum position (Figure 6).
4. Check whether the adjustment cam is in the correct position.
5. Stop de motor.
6. Put the tiller into gear so that you can drive at 5-8 km/h. This is a fast walking tempo.
7. Put the handle (2) for the quantity of seeds in the maximum position.
8. Operate the clutch so that the tiller starts to drive. Standing on the footplate can help with starting to sow; this assists the traction of the tiller.

## 6. SETTING THE QUANTITY OF SEEDS

The quantity of seeds should be adjusted for the correct operation of the Cultipack Seeder. You should consider the following instructions for this:



**The speed with which the machine was driven during adjusting must also be used during the remaining work activities.**



**In most cases, it is recommended to cover the same piece of soil several times. At that time, you should take the quantity of seeds into account. For example: driving over the same piece twice means that the quantity of seeds must be divided by two.**

You will need the following accessories for adjusting the quantity of seeds:

- A scale
- A tray for weighing the seeds
- Enough seeds for filling at least 30% of the hopper

## 6.1 SPREAD RATE TEST

Adjusting is done as follows:

1. Check what is the ideal quantity of the specific seeds per square metre (e.g., 35 g per square metre).
2. Put the handle (2) for adjusting the seeds in the minimum position (Figure 6).
3. Make sure that the hopper is filled at least 30% with seeds.
4. Use the seed tray (1) to catch the seeds (see Figure 7). You can slide the seed tray under the hopper.

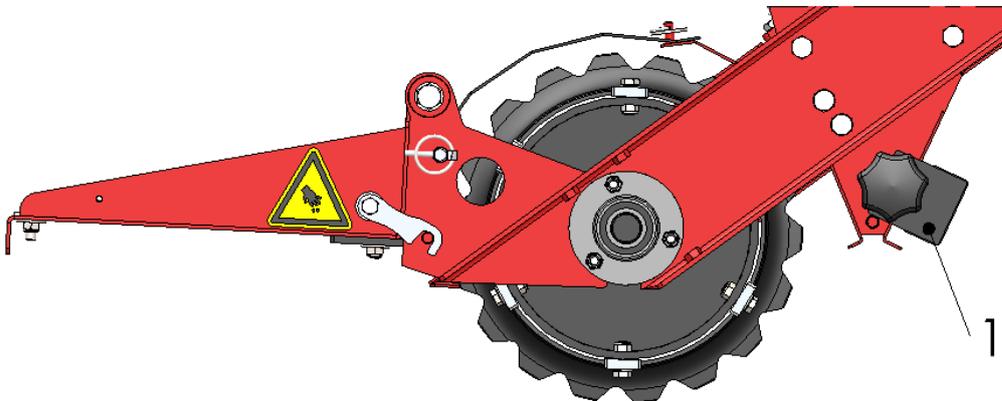


Figure 7

5. Measure a distance of 20 metres. Mark the beginning and the end with sticks or another easily recognizable object.
6. Position the Cultipack Seeder at the beginning of the 20 metres.
7. Estimate the correct settings of the adjuster cam and turn the cam (1) to the estimated value. If you cannot estimate a value, then 65 is a good starting point (see Figure 6).
8. Turn the handle (2) that affects the quantity of seeds to the maximum position (see Figure 6).
9. Put the right-hand handle (3) in the 'seed open' position.
10. Start the motor, cover the 20 metres, Put the handle (2) for adjusting the seeds in the minimum position (Figure 6). and switch off the motor.

11. Remove the seed tray (1) from the machine and empty the tray into a container, jar or other holder.
12. Weigh the seeds. The Cultipack Seeder has distributed a surface area of 18.5 m<sup>2</sup> after driving 20 metres. By dividing the amount of grams by 18.5, you can determine how much seed the machine distributes per square metre. Compare this outcome with the ideal value that you looked for in Step 1.
13. If the Cultipack Seeder has distributed too much or not enough seeds, the adjustment cam (1) must be repositioned. Estimate what would be a better setting and turn the cam accordingly (see Figure 6). Subsequently, repeat this procedure.
- 14.

## 7. TRANSPORTING THE CULTIPACK SEEDER

The user is responsible for transporting the Cultipack Seeder on public roads. Verify the national legislation regarding the regulations.

## 8. DETACHING THE CULTIPACK SEEDER

Remove the coupling pin (6) and remove the Cultipack Seeder (Figure 5).

**⚠ During detaching, switch off the motor and block the tiller against moving.**

## 9. TROUBLE SHOOTING (PROBLEM ANALYSIS)

Problem	Possible cause	Solution
The seeds do not reach the correct depth.	The soil is too hard.	Loosen the soil by means of ploughing, irrigating, etc.
	Not enough weight on the machine	Go stand on the wooden deck.
The tiller does not have sufficient traction.	Soil is too wet.	Postpone sowing.
	Not enough weight on the machine	Go stand on the machine
No seeds come out of the machine.	The seeds stick to each other because they are too wet.	Use different seeds.
	The handle for adjusting the seeds is in the wrong position.	Use the handle to affect the seed adjustment.
	The handle for operating the shut-off plate is in the 'seed close' position.	Operate the handle to open the flap.
	Check whether there are enough seeds in the hopper.	Top up with seeds.
	Check the drive chain.	Stretch the drive chain if necessary.

## 10. MAINTENANCE

Time schedule	Check / Grease point	Method
Before <b>every</b> use	Check for loose bolts / nuts.	Tighten loose bolts / nuts with the correct tightening torque.
	Attach the machine to the tiller and operate the machine for 5 minutes.	Listen and observe any strange movements / sounds.
	Presence and readability of the safety stickers (Figure 4)	Replace these if not present or damaged.
After <b>every</b> use	Clean the hopper.	Remove the remaining seeds from the hopper.
After the <b>first</b> 20 working hours (new or repaired)	Check for loose bolts / nuts.	Tighten loose bolts / nuts with the correct tightening torque..
	Attach the machine to the tiller and operate the machine for 5 minutes.	Listen and observe any strange movements / sounds.
	Grease the drive chains.	Use a chain spray
After <b>every</b> 10 hours	Grease the lubrication points (see Figure 8).	Use EP2 grease -1 shot
After <b>every</b> 50 working hours	Check the tension of the drive chain.	See Figure 9.
	Grease the stainless-steel plates of the seed adjustment system	Use lubrication based on lithium.

## 11. TECHNICAL INFORMATION: LUBRICATION POINTS

To guarantee the proper functioning of the Cultipack Seeder, the lubrication points must be greased periodically. See Figure 8 for the location of the grease nipples. Grease these points according to the table in page 17.

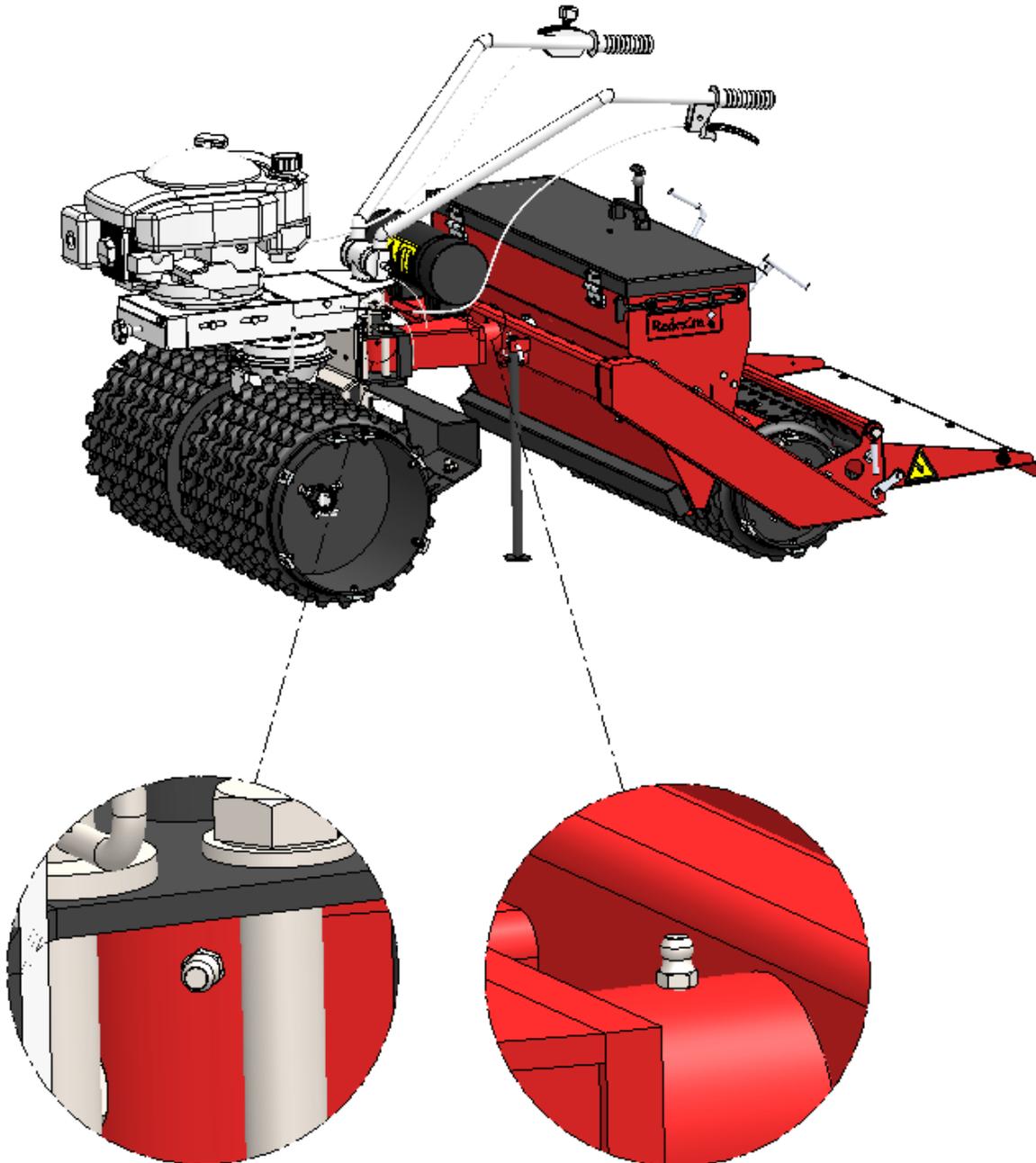


Figure 8

## 11.1 TECHNICAL INFORMATION: STRETCHING THE DRIVE CHAIN

The drive chain of the Cultipack Seeder must be stretched as follows:

1. Dismount the cover plate.
2. Check the tension of the chain **(3)**. The chain should have approx. 5mm play at the bottom side.
3. If necessary, adjust the tension by means of the bolt **(2)** and the chain tensioner **(1)**.

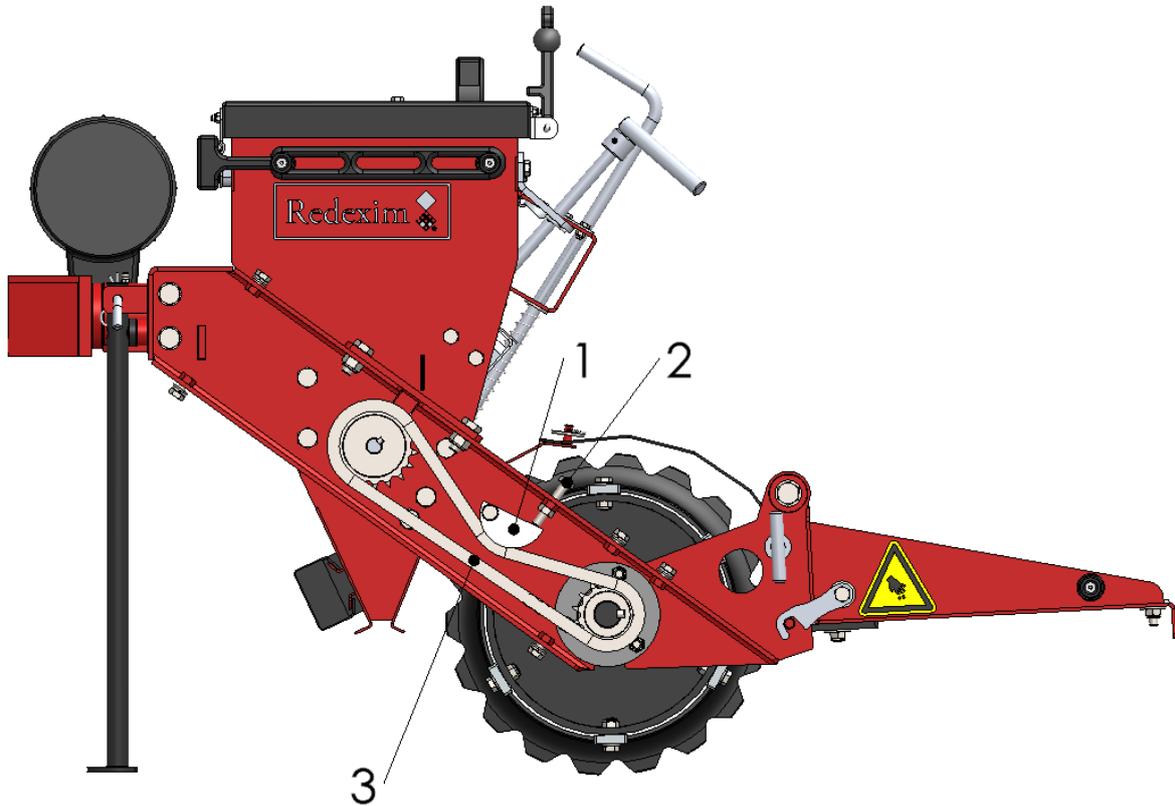


Figure 9

## 12. FOLDING AND FIXING THE STEPBOARD

If you want to put the footboard (1) in the folded position for transport or storage, it must be secured by means of the tension strap (2), see Figure 10.

 **Hands and/or other body parts may become trapped when folding the footboard up or down.**

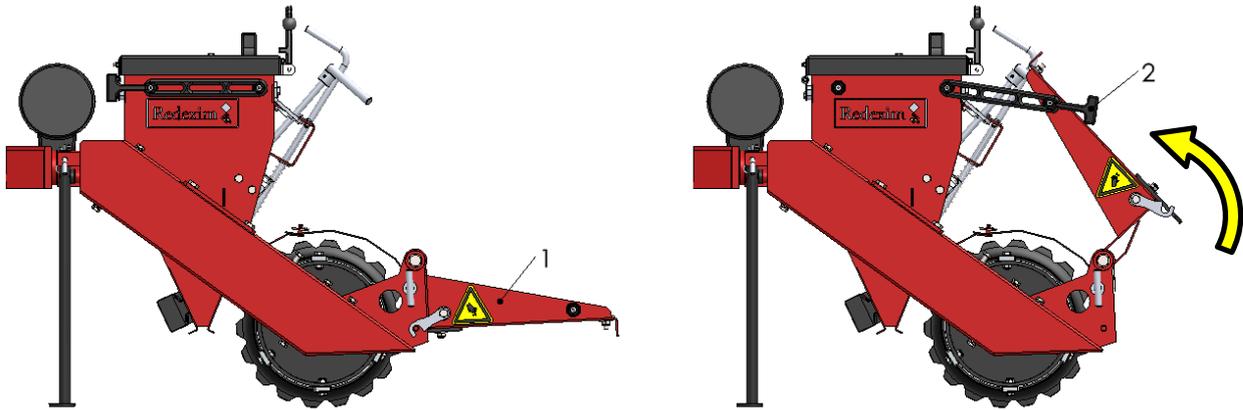


Figure 10