

Because perfect  
grassland begins with  
technology.



***düvelsdorf***

**GRASSLAND MAINTENANCE TECHNOLOGY** | Complete range



# CONTENTS:

5 good reasons for maintaining grassland_	4
Why should it be raked and rolled?_____	7
<b>GREEN.RAKE</b> expert _____	8
<b>TERRA.ROLLER</b> eco _____	16
<b>TERRA.ROLLER</b> expert _____	20
<b>GREEN.RAKE</b> allround _____	24
Seeders _____	26
<b>GREEN.RAKE</b> vario _____	28
<b>GREEN.RAKE</b> combi _____	30
<b>GREEN.RAKE</b> classic _____	32
<b>GREEN.ROLLER</b> classic _____	34
Innovative grassland maintenance _____	36
The company _____	38

**DO YOU HAVE ANY  
QUESTIONS?  
WE WOULD BE DELIGHTED  
TO HELP YOU.**

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Note: All illustrations in this catalogue are example images. Machines are configured according to customer requirements.





# 5 good reasons for maintaining grassland.

- 1

Grassland maintenance increases the basic feed quantity and quality.
- 2

Damaged grass cover can be regenerated with the right maintenance technology and thus avoid the need for new seed.
- 3

Raking and reseeding prevent the growth of unwanted, inferior quality grasses, e.g. rough bluegrass, and enable the establishment of high-quality grasses and herbs.
- 4

Strong grass cover is more resistant to damage when it is driven over and during adverse weather conditions.
- 5

With an outlay of just €100/ha an economic surplus yield of €300 – €500/ha is possible through raking and reseeding.



## RESEEDING

The basic prerequisite for reseeding should always be an old crop worth preserving.

**Benefits of reseeding:**

- + Cost-effective (low machine costs, minimal loss of feed)
- + Low production risk (old turf remains)
- + Soil load-bearing capacity remains unchanged
- + No loss of nutrients through soil cultivation (ploughing, cultivating)
- + Low seed quantity due to selective spreading
- + Time window for reseeding is significantly longer

**What needs to be considered:**

- > The pressure of competition between old crops and young reseeded crops can be greatly reduced through aggressive raking; moreover, more gaps are created in which high-quality reseeding can establish itself
- > The seeds need good soil contact for germination
- > Avoid applying fertiliser directly after reseeding

## NEW SEED

If there is no old crop worth preserving, a new seed should be sown for reasons of economic efficiency.

**Benefits of new seed:**

- + No competition between old and new stock

**What needs to be considered:**

- > The new seed must be cared for by means of raking and reseeding in order to harvest high-quality forage in the long term

## Appropriate maintenance reaps quality.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>Stock maintenance</b>												
Rolling												
Raking												
Reseeding*												
<b>New seed</b>												

Standard measures      Additional measures

\* Recommendation: 5 – 25 kg seed/grain for reseeding



# Technology for sustainably healthy grassland.

## WHY SHOULD IT BE RAKED AND ROLLED?

During wet, cold winters, many grasslands develop an overhang of dead, mouldy grasses. These create the perfect environment for fusaria. In addition, old grass gives the pasture fodder a bad taste in spring. In order to prevent these side effects, plant residues should be raked out at an early stage.

The best tool to ventilate the turf is a rake with strong tines and small tine spacing. The raking brings light and air to the turf, allows the soil to warm up earlier, and stimulates the vegetation. The rake's levelling bar ensures soil accumulations on the surface are removed and spray residue is dispersed. In addition, this process is the best preparation for reseeding. If the seed is introduced directly into the tine section when raking, there are further advantages. By sowing and raking the turf simultaneously, the seed receives the necessary soil contact and does not remain on the grass blades. This significantly increases the germination rate.

Rolling is indispensable, especially on soils with a high content of organic matter and high air capacity. That's because, for these soil types, when the uppermost layer of earth freezes in the effects of frost, the roots separate from the lower soil layer and the turf. This disrupts the soil contact. Rolling restores it by pressing on the upper layer, making it easier for water to be taken up by capillary action and allowing the deeper soil layers to warm up more quickly. In addition, rolling helps to press the grass plants down after raking and to press seeds down after sowing.



# GREEN.RAKE expert

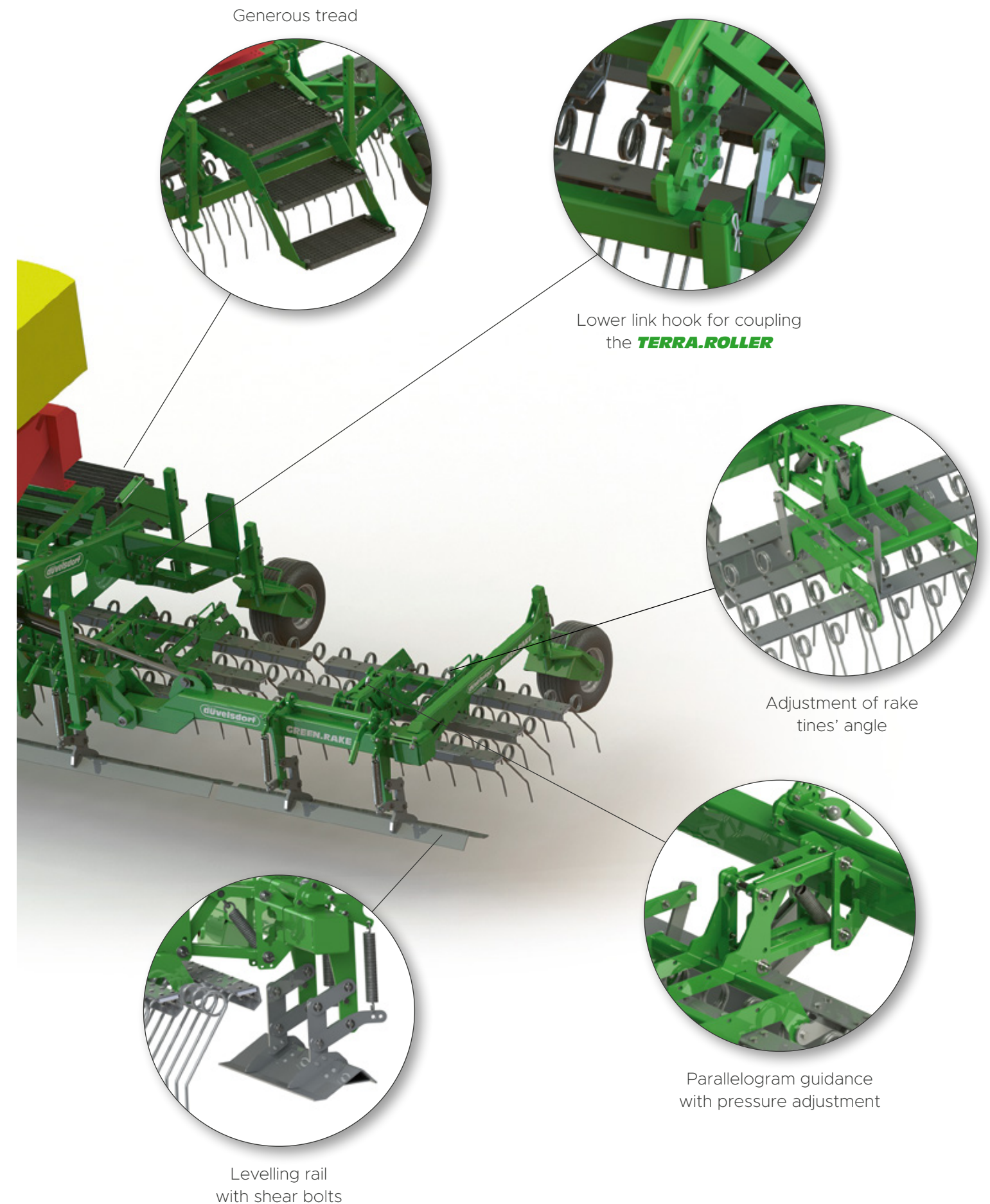


## IMPRESSIVE ON ANY TERRAIN.

The **GREEN.RAKE expert** can be adapted to your specific soil conditions. Optimum contour guidance is not only ensured by the individually suspended, 1.50 m wide tine section – the rake's uniform form produced by the parallelogram guidance also provides optimum adjustment to the contour of the ground. How aggressively you rake is up to you. The **GREEN.RAKE expert** can be adjusted from very gentle (e.g. for young grass on sandy, soft soils) to extremely aggressive for restoring hard soils.

### ADVANTAGES:

- + Large support wheels
- + Convenient tine section configuration as the form remains constant while the aggressiveness is set
- + Wide adjustment range for all soil conditions
- + Individually suspended tine sections guided by parallelograms
- + Spring-loaded, robust levelling rail with collision protection





## POSSIBLE APPLICATIONS:

- Grassland maintenance and reseedling in spring before complete renovation in late summer
- New seeding of grassland areas
- Clearing damage caused by wildlife
- In agriculture: sowing of catch crops (ideally in combination with the **TERRA.ROLLER expert**, p. 20)

### TECHNICAL DATA

Working widths in m	3 / 6 / 7.5 / 9
Weight in kg	630 / 1180 / 1350 / 1470
Number of tine rows	3
Tine spacing in mm	50
Tine diameter in mm	10
Transport width mm	3000

CAT II and CAT III attachment as standard

## WELL DESIGNED DOWN TO THE LAST DETAIL:

### Extra-large support wheels

The large, trailing support wheels ensure very good rake height guidance. In addition, they allow easy contour driving without the wheels and scrapers grinding against the ground.

### Rake adjustment

The aggressiveness of the rake tines and thus their effect on the soil and turf are optimally adjusted by means of an easily accessible lever. You can choose between five levels. This makes the tines perfectly adaptable to any work application.

### Tail wheel

The tail wheel's speed sensor measures the combination's working speed to ensure uniform seed distribution. A further sensor determines the rake's working or transport position. The seed shaft is thus automatically switched on and off and prevents double sowing in the headland.



# WELL DESIGNED DOWN TO THE LAST DETAIL:



## Adjustment of the levelling rail

With the plug-in lever, the preload on the levelling rail can be easily adjusted to four levels. With a low preload, e.g., young stock can be levelled gently; with a correspondingly high preload, the levelling effect can be significantly increased if required. The setting lever is located on the implement for quick handling.



## 50 mm tine spacing

The standard tine spacing of 50 mm is ideal for raking out weeds and mosses. The three-row rake tine arrangement prevents the raked-out material from being pulled along and thus reduces the risk of clogging to a minimum.

## Collection trough

The practical collection trough enables a convenient calibration test. The trough can be placed quickly and easily under the seeder. The rail system with parking position provides a neat way to store the collection trough on the device. In addition, any residual quantities can be quickly emptied due to its size.



## Rake tines

The 10 mm thick tines' double twist results in a larger field of motion with a long service life. At the same time, the offset enables intensive raking. If a tine is lost, the loss protection system ensures that the broken tine is pulled along and does not remain on the grassland where it could cause considerable damage during subsequent work operations.



## Heavy-duty levelling rail

The robust levelling rail at the rear leaves a cleanly levelled soil surface. The collision protection and the spring preloaded, adjustable suspension prevent damage when approaching or driving over obstacles. The rail can be dismantled quickly and easily for the best use of the **GREEN.RAKE expert** in arable farming.



## Side tread

The **GREEN.RAKE expert** has a tread located on the side. This makes filling the seed tank easier and safer at the same time.



## ACCESSORIES FOR THE **GREEN.RAKE** expert:



### Seeders

The **GREEN.RAKE** expert is also available with seeder equipment on request. There are five models in total to choose from. A tail wheel, tractor meter cable or radar sensor are available options for speed-dependent sowing.

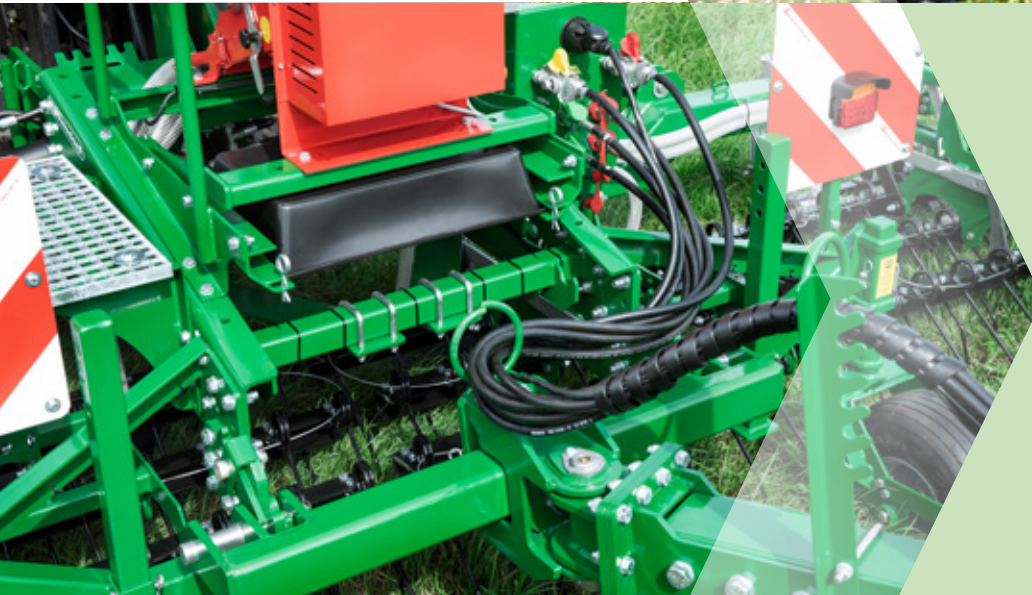
### Flexboard

On stony soils, the flexboard ensures optimum and low-wear levelling. The plates are individually mounted on leaf springs to avoid stones and foreign bodies and thus ensure smooth operation. The plates can be mounted in two positions to adjust the working intensity.

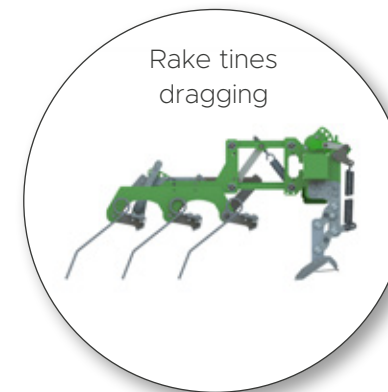


### Coupling set for **TERRA.ROLLER**

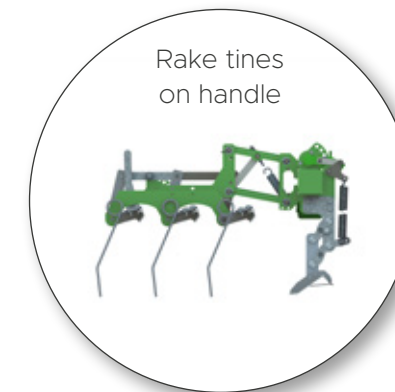
The optionally available coupling set enables the **GREEN.RAKE** expert to be connected to the efficient professional roller **TERRA.ROLLER**. The resulting rakeroller combination ensures complete processing in a single operation.



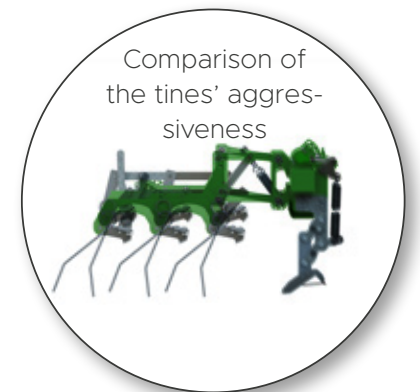
## TINE SECTION SETTING OPTIONS:



Rake tines dragging



Rake tines on handle



Comparison of the tines' aggressiveness

The **GREEN.RAKE** expert offers five different aggressiveness settings, from very soft to aggressive, so you are well prepared for all soil conditions. Whether with low or high preload – the **GREEN.RAKE** expert delivers optimum results.

### Hydraulic tine adjustment

The optional hydraulic tine adjustment enables the rake tines to be continuously adjusted from the comfort of the driver's cab. This increases working comfort and avoids unnecessary breaks for dismounting.



### Front attachment kit

It can also be driven in the front of the tractor with the front attachment kit for the **GREEN.RAKE** expert 6 m. This improves weight distribution and increases manoeuvrability when combined with a **TERRA.ROLLER**. No seeder can be offered for the front attachment due to its mounting.



If the **GREEN.RAKE** expert is combined with the **TERRA.ROLLER**, it must be equipped with an air brake system in order to obtain a TÜV certificate for obtaining the general operating permit (German ABE certification).



# TERRA.ROLLER eco



## ALL-ROUND VERSATILITY.

The **TERRA.ROLLER eco** with Cambridge or toothed rings is suitable for versatile tasks in arable and grassland. The robust roller is available in working widths of 2.5 m, 3 m and 6.3 m.

The **TERRA.ROLLER eco** in 2.5 m and 3 m has a CAT II attachment hitch to ensure varied use at the rear or in front. In addition, it is possible to mount a seeder with these two variants, making it an ideal complement to the **GREEN.RAKE vario**. The larger version at 6.3 m is offered as a semi-mounted roller. The **TERRA.ROLLER eco** can be coupled

with the **GREEN.RAKE expert** to roll the grassland directly after raking.

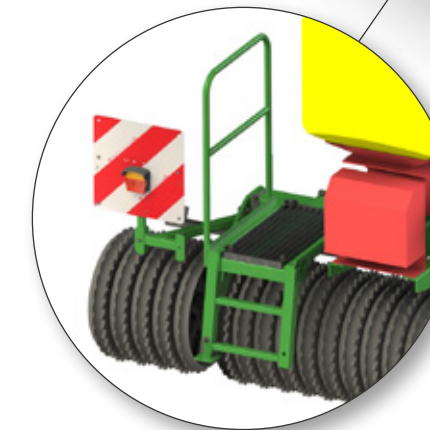
### ADVANTAGES:

- + Versatile in arable and grassland
- + Attachment to the **GREEN.RAKE expert** possible
- + Robust, powder-coated frame

Lighting with warning signs



Stable three-point attachment CAT I / II



Tread with handle



Also available with toothed ring elements



Baffle plate for even distribution



TECHNICAL DATA			
	Cambridge elements		Toothed ring elements
Working widths in m	2.5 / 3 / 6.3		
Transport widths in m	2.5 / 3 / 2.5		
Roller diameter in mm	460	550	450 / 500
Weight per element pair in kg	22	35	32
Number of element pairs	Ten pairs per meter working width		
Total weight in kg	760 / 830 / 2510	1050 / 1200 / 3400	990 / 1130 / 3220
Axle load in kg	- / - / 1780	- / - / 2520	- / - / 2340

# ACCESSORIES FOR THE **TERRA.ROLLER** eco:

## Can be used on grassland

Levelling, aerating, sowing and rolling: all this is possible in a single operation with the **GREEN.RAKE expert** 3 m and **TERRA.ROLLER eco** grassland combination. The best possible maintenance for your grassland.



## Available as toothed ring or Cambridge roller

You can equip your roller with Cambridge or toothed ring elements to achieve the best results for your application. To find out which version is right for you, see page 22.



## Seeder

The **TERRA.ROLLER eco** in 2.5 m and 3 m can be optionally equipped with seeders. All available **düvelsdorf** seeders are available for the **TERRA.ROLLER eco**. An overview of our seeders can be found on page 27.

## Generous tread

The tread enables the seed hopper to be filled with seed safely. This increases working comfort and improves safety.



# POSSIBLE APPLICATIONS:

- Grassland reseeding in spring / late summer when combined with **GREEN.RAKE vario**
- Complete restoration of grassland
- Soil reconsolidation

If the **GREEN.RAKE expert** is combined with the **TERRA.ROLLER**, it must be equipped with an air brake system in order to obtain a TÜV certificate for obtaining the general operating permit (German ABE certification).



# TERRA.ROLLER expert



## ONE ROLLER. COUNTLESS POSSIBILITIES.

The **TERRA.ROLLER expert** professional roller impresses on the field and on grassland with uniform ground pressure and optimum adjustment to the terrain. Even at first glance, the three-part earth roller scores points with its particularly robust frame. Further strengths are revealed out on the field. On the one hand, the individually suspended roller elements ensure optimum adjustment to the soil surface. On the other hand, the roller delivers an even ground pressure over the entire working width. The pressure is adjusted mechanically or hydraulically, depending on the equipment version.

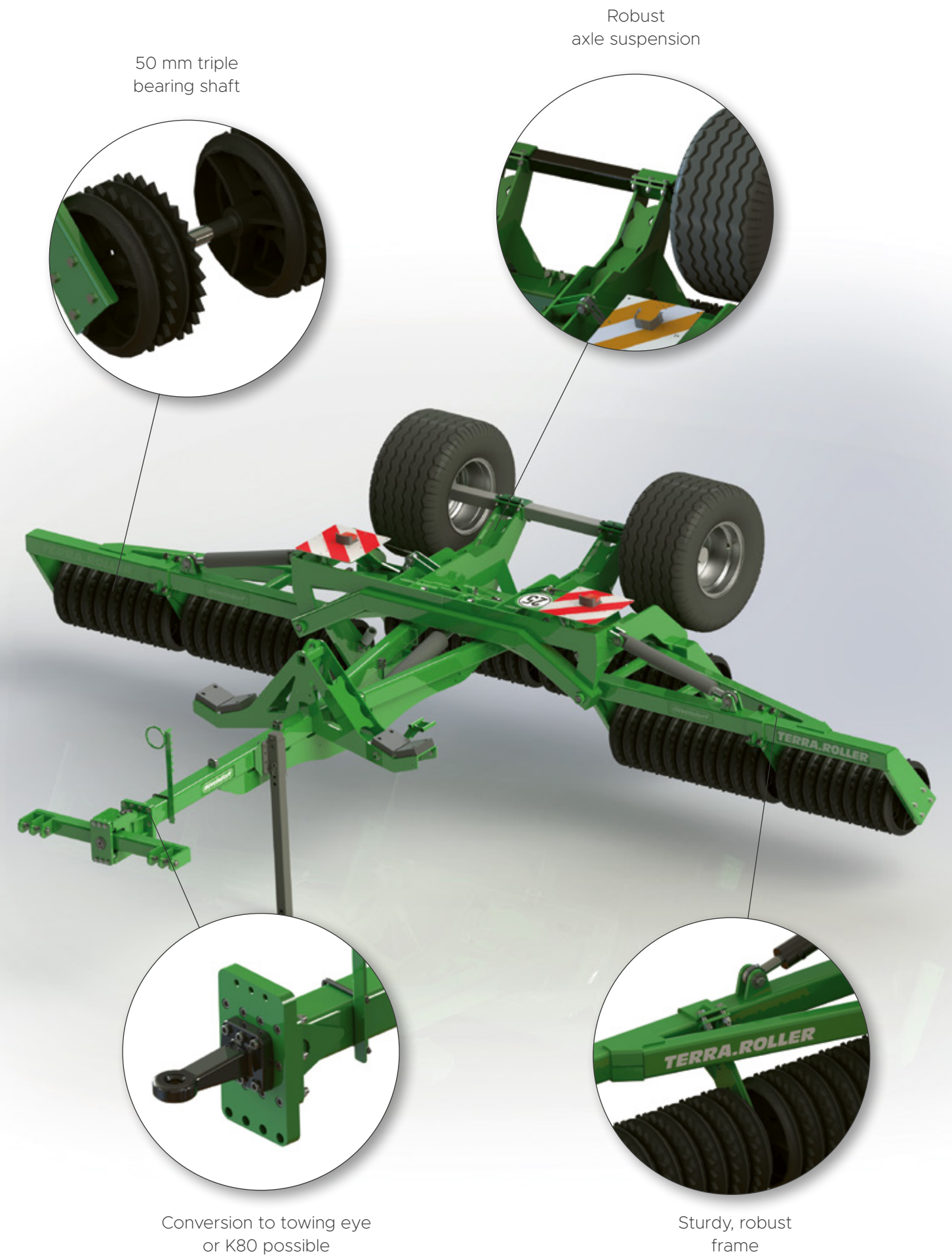
The **TERRA.ROLLER expert** can be supplied with both seeder equipment and seedbed preparation

tools on request. The compressed air brake system, also available as an option, ensures safe road travel.

### ADVANTAGES:

- + Perfect ground adjustment
- + Uniform ground pressure
- + Robust frame
- + Low support load
- + Optionally available with seeder
- + Optionally available with seedbed preparation tools

If the **GREEN.RAKE expert** is combined with the **TERRA.ROLLER**, it must be equipped with an air brake system in order to obtain a TÜV certificate for obtaining the general operating permit (German ABE certification).





# THE RIGHT RING FOR EVERY APPLICATION.

The **TERRA.ROLLER expert** offers a lot of room for manoeuvre. So there are also different types of rings to choose from. To obtain the optimum solution for your soil conditions, you can choose between Cambridge and toothed ring elements in different sizes.



## CAMBRIDGE ELEMENTS

The Cambridge rings achieve both fine crumbling and good surface compaction. The large bearing clearance in the serrated ring, which moves irregularly in working mode, produces a self-cleaning effect and thus prevents the roller from sticking when used on heavy soils.

ADVANTAGES:

- + Promotes early and uniform seedling emergence
- + Prevents snail infestations
- + Protects young plants on windy surfaces from being blown away

POSSIBLE APPLICATIONS:

- > On arable and grassland
- > Reseeding and new seeding of grassland
- > Intercropping
- > Tillering stimulation

## TOOTHED RING ELEMENTS

The toothed ring elements break up heavy clods of earth due to their higher weight and aggressive structure. This makes the sowing layer quite fine for a depth of 2 to 3 cm and gives the seeds good soil contact. The coarse particles remaining on the surface prevent silting up, evaporation and drifting.

ADVANTAGES:

- + Supports the fight against pyralid moths by breaking up the maize stubble
- + Aggressive crushing of soil clods
- + Narrow structure and large number of tooth tips lead to intensive crumbling

POSSIBLE APPLICATIONS:

- > On arable and grassland
- > Reseeding and new seeding of grassland
- > Intercropping
- > Stubble cultivation

TECHNICAL DATA			
	Cambridge elements		Toothed ring elements <sup>2</sup>
Working widths in m	6.3 / 7.7 / 8.3 / 9.3		
Transport widths in m	2.5		
Roller diameter in mm	460	550	450 / 500
Weight per element pair in kg	22	35	32
Number of element pairs	Ten pairs per meter working width		
Total weight in kg	3140 / 3500 / 3740 / 4080	4020 / 4700 / 4920 / 5220	3680 / 4460 / 4480 / 5040
Axle load <sup>1</sup> in kg	2240 / 2520 / 2720 / 2900	2980 / 3420 / 3520 / 3680	2660 / 3180 / 3560 / 3560

<sup>1</sup> The air-braked axle with 500 / 50 - R17 tyres is standard from an axle load of 3 t.

<sup>2</sup> The toothed rings are made of ductile iron.

# WELL DESIGNED DOWN TO THE LAST DETAIL:



## Seeder

The **TERRA.ROLLER expert** can also be optionally supplied with a seeder. The seeder can be retro-fitted with a tread at any time.

## Weight distribution

The pre-tensioned springs transfer the middle roller element's weight to the two outer surfaces and thus ensure an even distribution of ground pressure. This, in turn, leads to a uniform working pattern across the entire width.



## Transport position

With a transport width of just 2.50 m, the **TERRA.ROLLER expert** can be moved conveniently and safely on the road. The **düvelsdorf** professional roller must be optionally equipped with an air brake system from an axle load of three tonnes in order to be able to obtain approval for public road traffic.



# GREEN.RAKE allround:

## GREEN.RAKE expert + TERRA.ROLLER expert



WELL COMBINED.

The **GREEN.RAKE** allround combination of the **GREEN.RAKE expert** and the **TERRA.ROLLER expert** brings together the advantages of both machines and creates a multi-talented tool for grassland and arable land. The rake and roller can be used together or independently of each other. This allows a higher rate of equipment use as well as a complete processing in one operation to be achieved. The roller can be used individually for arable farming and the rake works on its own on grassland. Coupling and uncoupling is quick and uncomplicated thanks to the attachment in the lower link hook. The grassland combination is operated simply by two double-acting control units.

### ADVANTAGES:

- + Low support load with large working width
- + Roller and rake can also be used independently of each other
- + Simple operation due to two double-action control units
- + Combined rake and roller can be suspended in a coupled state

### Combination in public road traffic

On public roads, the roller must be equipped with air brake system and firmly mounted to the rake. The certificate required for road travel is supplied as standard with all combinations of **GREEN.RAKE expert** and air-braked **TERRA.ROLLER**, from a working width of 6 m upwards. All rollers and rake-roller combinations can be equipped or retrofitted to comply with the road traffic licensing regulations.



### Suspension

The rake-roller combination can be suspended both in the transport position and in the working position.

### POSSIBLE APPLICATIONS:

- > New planting of grassland in spring/late summer
- > Intercropping on cereals or maize stubble
- > Stubble breakage and intercropping in one operation
- > Complete restoration of grassland



# Seeders



SEEDERS OVERVIEW					
FUNCTION	ES 8 STANDARD	ES 8 TURBO	LEHNER VENTO	HS 8 TURBO	HS 12 TURBO
Control module	Profi	Profi	Vento	<b>SEED.CON</b>	<b>SEED.CON</b>
		<b>SEED.CON</b>			
		Profi Speed			
Blower	Electric	Electric	Electric	Hydraulic	Hydraulic
Power consumption	10 A	25 A	40 A	5 A/25 l/min	5 A/25 l/min
Outputs	8	8	8	8	12
Hose diameter	25 mm	30 mm	30 mm	30 mm	30 mm
Calibration function	Yes	Yes	Yes	Yes	Yes
Weight	50 kg	65 kg	67 kg	110 kg	150 kg
Tank size	300 l	300 l	230 l	300 l	500 l
Dimensions L x W x H	650 x 900 x 1,300 mm	900 x 650 x 1,350 mm	919 x 527 x 1,199 mm	1,250 x 650 x 1,350 mm	1,250 x 700 x 1,660 mm
Maximum working width	6 m	6 m	6 m	8 m	9 m
Standard seed shafts	15	15/25	Complete set	15/25	15/25
Suitable for	Grass seeds + all small seeds	Grass seeds + various intermediate crops	All seeds	All seeds	All seeds

## ACCURATE SOWING.

The right technology for every application – that’s our motto. That’s why we offer different seeder versions with varying functions to meet almost any requirement. The table on page 27 gives you an overview of what’s on offer. Two different controls are available for the seeders. The ES 8 Standard Profi and ES 8 Turbo Profi are intuitive to operate thanks to their simple and practical controls. This allows the seeder to be easily switched on and off from the cab, the spread rate to be continuously adjusted and a calibration test to be carried out. The **SEED.CON** control module works wirelessly and offers a range of features, such as speed-dependent seed dosage, as well as hectare and hour counters. The user-friendly interface on your own smartphone or tablet makes the control even more practical and simple. All settings can be made either from the cab or directly on the seeder. Fur-

ther advantages of the **SEED.CON** control system are the quantity control during operation and the additional operation via an ISOBUS terminal.

### ADVANTAGES:

- Sowing close to the ground, less sensitive to wind compared to disc spreaders
- Exact lateral distribution
- Spreading in large working widths possible
- High tank volume (up to 500 litres)



The **SEED.CON** control’s intuitive user interface makes setting your seeder particularly convenient.



# GREEN.RAKE vario



## PROFESSIONAL GRASSLAND MAINTENANCE.

The **GREEN.RAKE vario** is a light, compact professional machine designed for front mounting. The rake's design makes it suitable for smaller towing vehicles. This means that the **GREEN.RAKE vario** also offers smaller farms the possibility of professional machine work. It can also reseed crops perfectly when used in combination

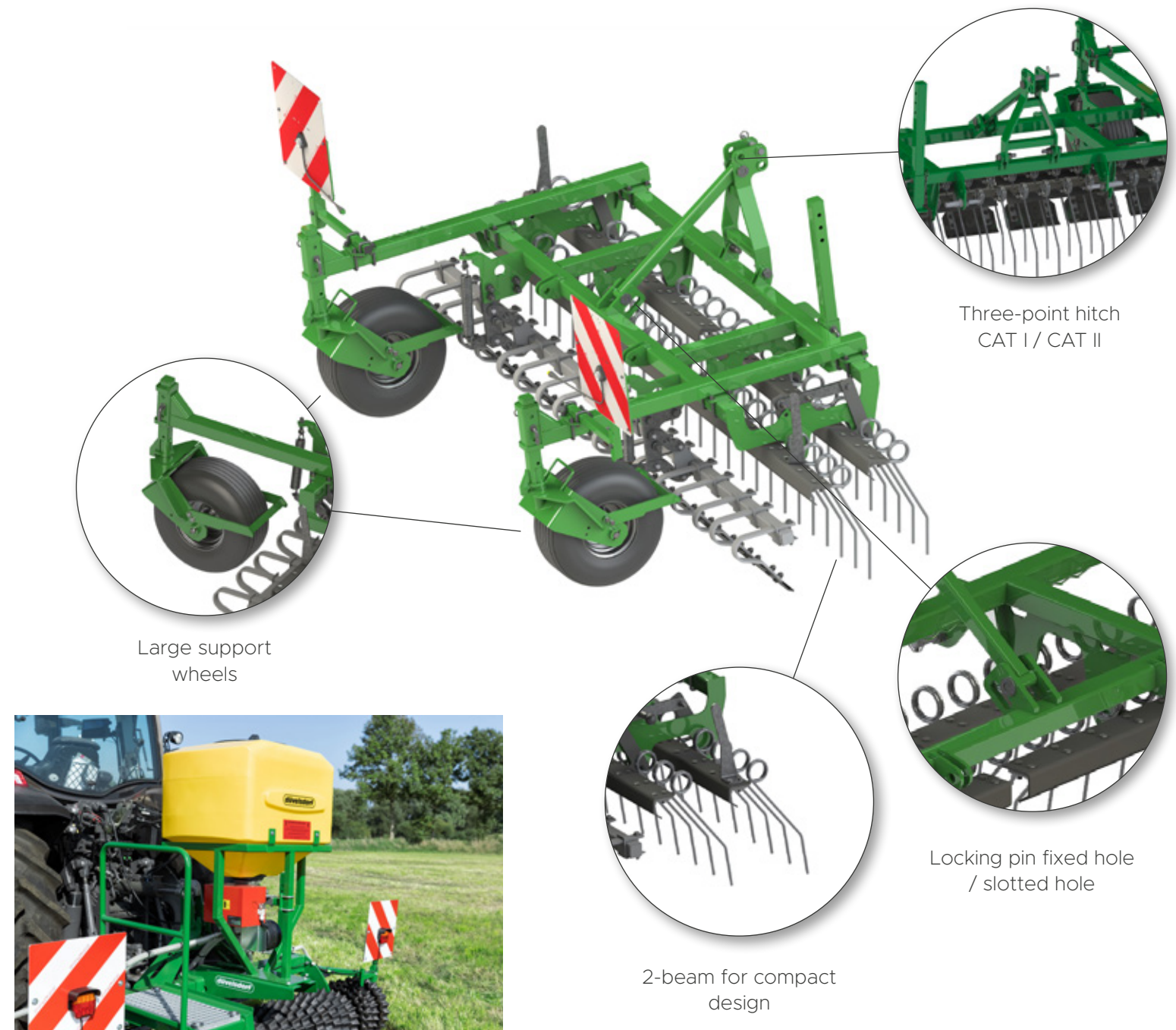
with the **TERRA.ROLLER eco** and a seeder. The **GREEN.RAKE vario** is particularly attractive for grass areas that are difficult to access, such as steep slopes, dykes or narrow access roads. For rake operation without reseeding, the implement can also be driven with an optional rear three-point hitch in the rear hydraulics.

### ADVANTAGES:

- + Large support wheels
- + Convenient tine section configuration
- + Compact design
- + Low weight
- + Can be driven in the front as well as in the rear

### TECHNICAL DATA

Working widths in m	2.5 / 3
Weight in kg	352 / 375
Number of tine rows	2
Tine spacing in mm	60
Tine diameter in mm	10
Transport width mm	2500 / 3000



Reseeding is also possible in combination with **TERRA.ROLLER eco**.

## POSSIBLE APPLICATIONS:

- Aeration and tillering encouraged in areas that are difficult to access, such as slopes or dykes
- Only a small towing vehicle required
- In combination with **TERRA.ROLLER eco** and a seeder for reseeding pasture areas



# GREEN.RAKE combi



## COMPACT GRASSLAND MAINTENANCE. 4 in 1.

Levelling, raking, sowing, rolling – with the **GREEN.RAKE combi** you can do it all in just one operation. Despite its scope of performance, it's the combination machine's compactness that stands out. Three rows of rakes built into a robust frame make the **GREEN.RAKE combi** not just sturdy, but easy to pull and manoeuvre as well. The easy three-point attachment is particularly practical. In addition, the height-adjustable tine section guarantees a perfect working pattern. By

integrating a larger number of rake tines than the **GREEN.RAKE classic**, the **GREEN.RAKE combi** provides even better soil aeration. The tines are arranged at a distance of 65 mm and thus help to intensively rake out matted grass and weeds. The **GREEN.RAKE combi** is especially recommended for grassland maintenance in spring and for intercropping in autumn.

### TECHNICAL DATA

Working widths in m	3 / 4.5 / 6
Weight in kg	1300 / 2100 / 2580
Number of tine rows	3
Tine spacing in mm	75 / 65 / 65
Tine diameter in mm	10
Transport width mm	2930 / 2990 / 2990

### ADVANTAGES:

- + 4 in 1: levelling, raking, sowing, rolling in just one operation
- + Optimum ground adjustment
- + Compact structure

### POSSIBLE APPLICATIONS:

- > Raking out of weeds with simultaneous reconsolidation of the soil
- > Pressing the seed down for the best possible soil contact
- > Complete springtime grassland maintenance in one operation
- > Intercropping in autumn





# GREEN.RAKE classic



## EXEMPLARY MEADOW CARE.

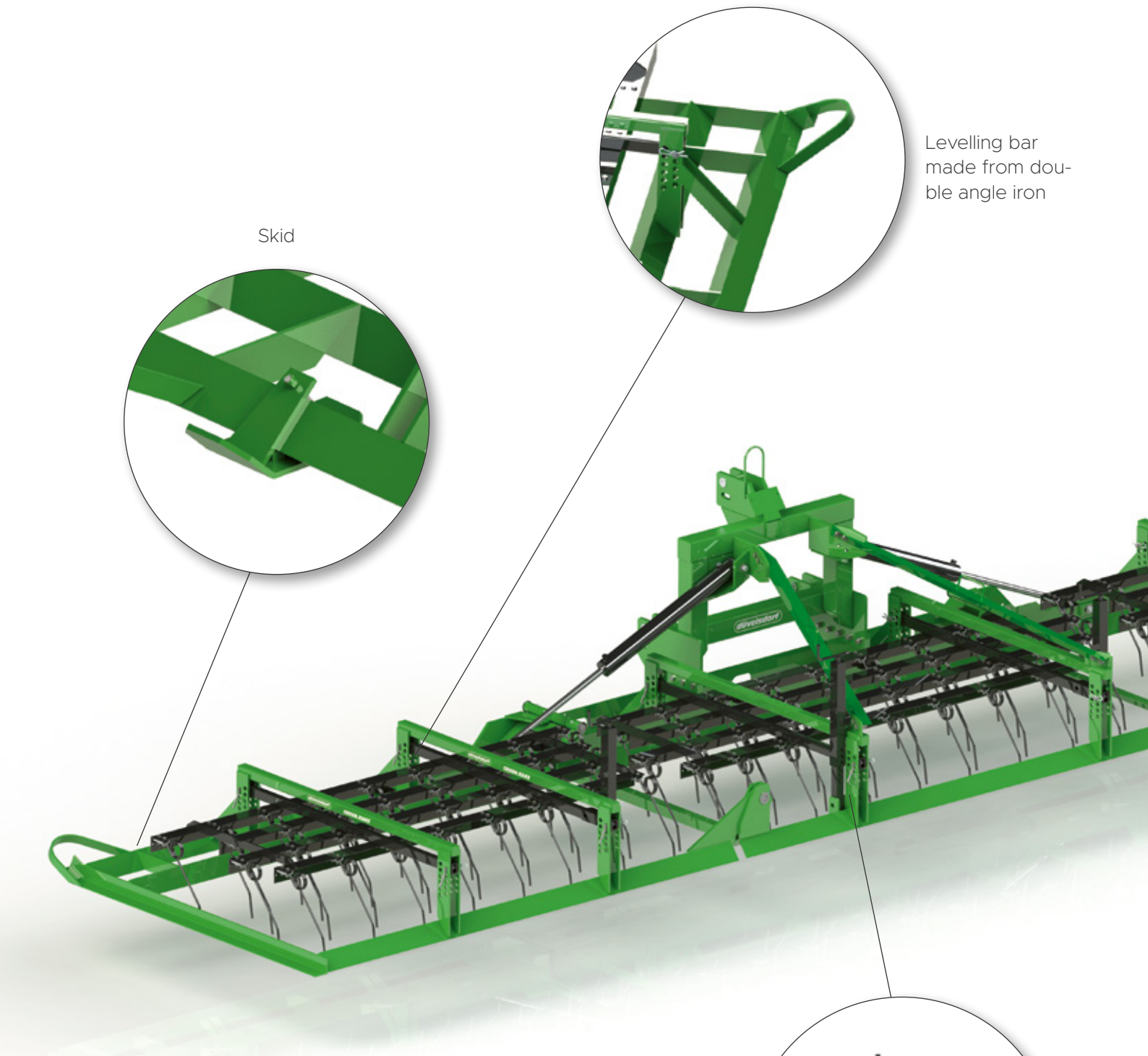
The **GREEN.RAKE classic** offers the highest level of comfort. Its four-row tine section ensures maximum permeability and minimum risk of clogging. As with all **düvelsdorf** products, the choice of materials for the **GREEN.RAKE classic** was made with great emphasis on sturdiness. For this reason a robust frame was used.

The **GREEN.RAKE classic**'s outstanding feature is the double levelling bar. This allows even better levelling of uneven surfaces such as molehills or damage caused by wildlife. The bar glides over the ground and allows you to work on damp or marshy surfaces without damaging the grass. The intensity of the rake pressure can be set via the height adjustment by means of spindle and hole pattern.

The **GREEN.RAKE classic** can also be optionally equipped with two to four skids for work in light, boggy areas that is particularly gentle to the soil.

### ADVANTAGES:

- + Robust frame
- + Adjustment of the rake intensity
- + Tine loss protection
- + 4-row tine section
- + Sturdy 10 mm tines



TECHNICAL DATA	
Working widths in m	3 / 6 / 8
Weight in kg	560 / 1000 / 1100
Number of tine rows	4
Tine spacing in mm	75
Tine diameter in mm	10
Transport width mm	2950



# GREEN.ROLLER classic



## FOR OPTIMUM SOIL CONTACT.

The **GREEN.ROLLER classic** – sturdy, safe and well-designed. The rolling element with rounded edges measures 1.20 m in diameter and has a wall thickness of at least 12 mm to ensure it creates a flat surface. The roller's weight can be effortlessly regulated using water, which is let in or out via two filler necks. This allows up to 2 tons of working weight per metre of working width and enables very good re-consolidation to be achieved. Particularly high driving comfort is achieved by the centrally arranged surge wall, which prevents the contained liquid from rocking the implement. In addition to the robust frame, the large spherical roller bearings and the continuous shaft in the rolling element provide the required sturdiness. Parking is facilitated by a spindle-adjustable parking support. A spring-loaded scraper prevents contamination of the rolling element. Whether air-braked or unbraked – you decide which chassis your **GREEN.ROLLER classic** should have. The transport width is particularly important for safe road travel. The 2.70 m wide

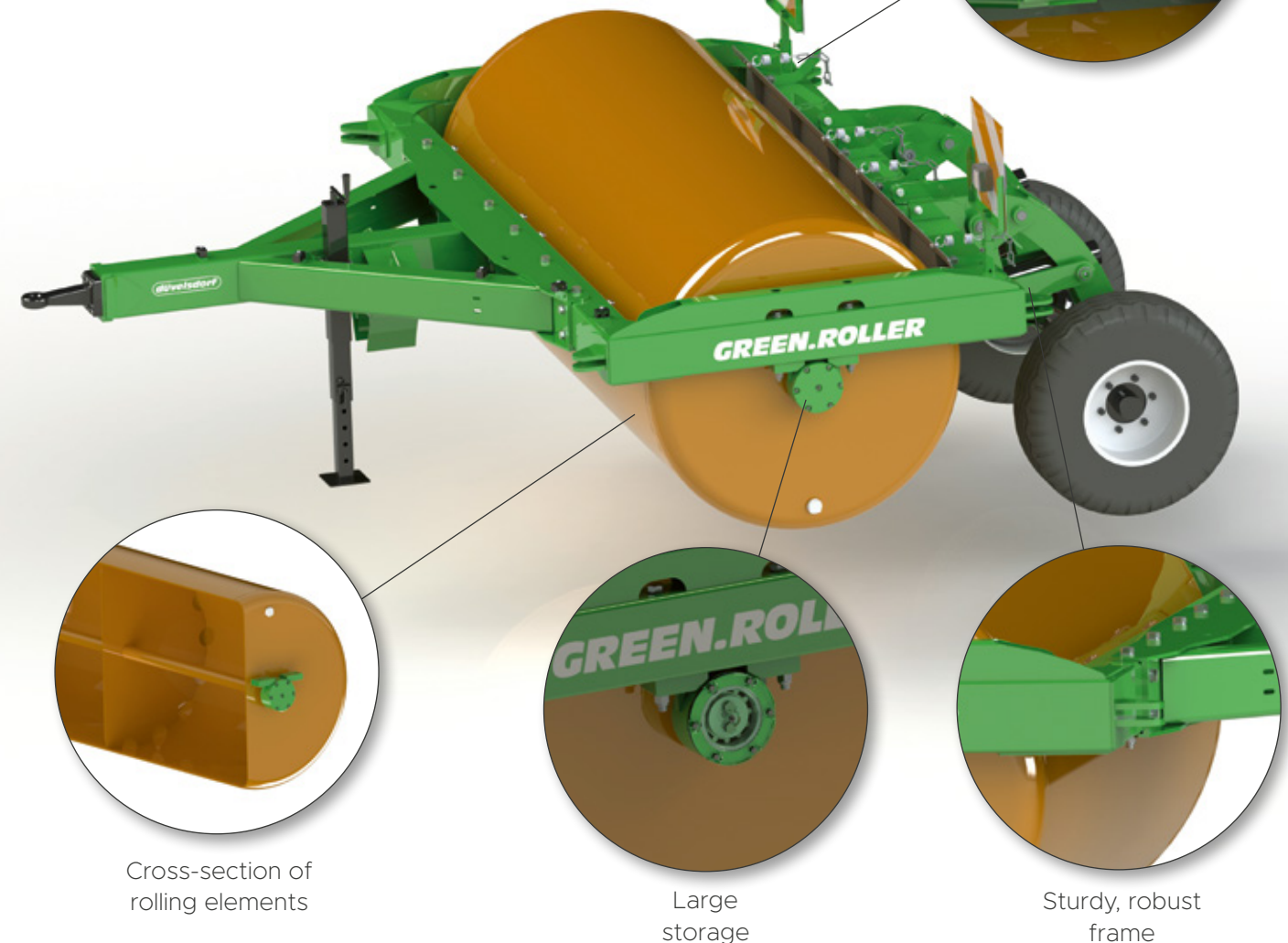
roller stays below the 3 m transport width and can therefore be moved in road traffic without a special permit. For the braked version in 2.50 m and 2.70 m, a TÜV certificate is also issued. All **GREEN.ROLLER classics** that are supplied with a chassis are equipped with lighting and hydraulics as standard.

### ADVANTAGES:

- Rolling element can be braked in working position via compressed air brake system
- 2.70 m working width under 3 m transport width
- Chassis can be retrofitted at any time
- Extension to a coupling cable up to max. 3 rollers possible

TECHNICAL DATA	
Working widths in m	2.50 / 2.70 / 3.00
Weight* in kg	2650 / 2770 / 2890
Transport width mm	2720 / 2970 / 3220

\* Weight for **GREEN.ROLLER classic** chassis, braked



### Coupling cable attachment kit

The optional coupling cable attachment kit enables up to three meadow rollers to be quickly and easily connected to form one coupled trailer. In this way, considerably more area can be machined in a shorter time.



# Innovative grassland maintenance

## Site-specific reseeding of grassland

**M**odern electronics can also replace the various methods of approximation in grassland management too. This is because, just like in arable farming, site-specific cultivation promises more precise use of seed and fertiliser. The Isaria plant sensor from Fritzmeier Umwelttechnik in combination with the **GREEN.RAKE** expert and the **TERRA.ROLLER** expert as well as the sowing unit with **SEED.CON** control ensure precise grassland reseeding.

During grassland reseeding, the plant sensor regulates the seed rate according to the plant density. So the grass seeds land exactly where they are needed. This enables slow-growing grasses to establish themselves better and gaps in the stock to be closed more quickly. This permanent rejuvenation of the grass cover improves the yield and thus increases the quality of the forage.

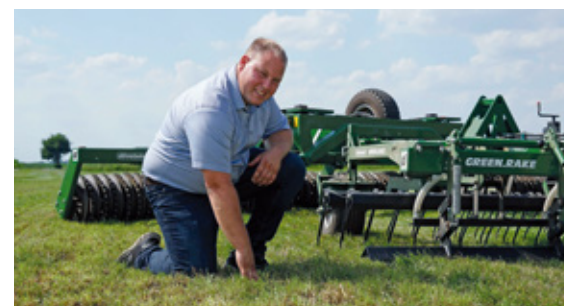
### ADVANTAGES:

- + Site-specific seed dosage
- + Consistently optimised grass seed output throughout the entire working time
- + Relief for the driver

### COMMENTS FROM THE PRESS AND INDUSTRY:

#### **Thomas Dehlwes, organic farmer from Lilienthal:**

„The sensor-supported automatic control of the reseeding helps us to better identify gaps in the stock and to close them more quickly. This will improve our grassland yield. At the same time, the system relieves the driver on long working days.”



#### **profi 10-2019**

„The company Fritzmeier Umwelttechnik has developed the new control algorithm „smart4grass” for the plant sensor Isaria. This enables a sensor-controlled spread rate for grass seeds. Together with düvelsdorf's electronically controllable universal device, this makes site-specific grassland reseeding possible whereby the device automatically sows more in areas with thin and poorly developed grass than in green areas with well-developed grass. The higher precision of the sensor-controlled system compared to a manual quantity adjustment improves the grassland's quality, according to our initial experience.”



# The company



## QUALITY FROM OUR OWN PRODUCTION



For more than 90 years **düvelsdorf** has been developing solutions for agriculture, municipalities and industry. From the sweeper to the roller – the family-run company designs machines and equipment for practical use. One focus is on the production of long-lasting technology for grassland maintenance. In addition to implements for front loader attachments for agricultural, forestry and municipal applications, the extensive product portfolio also includes numerous implements for front and rear hydraulics. With its own factories, **düvelsdorf** is in a position to monitor every step of the production precisely and thus ensure the highest quality.

## INSIGHTS INTO THE COMPANY – UKRAINE AND GERMANY:



From sheet metal working ...

Only high-quality functional materials are used. This lays the foundation for the robust and durable machines from the start with the production of individual parts.

... to powder-coating ...

**düvelsdorf** also relies on its own expertise when it comes to painting. Specially trained employees take great care over the exact coating of the individual components.



... and final assembly through to delivery.

Final assembly, storage and order picking are all carried out centrally at the company's headquarters in Germany. The final quality check is also carried out there. Only once that is completed can the machines and equipment be sent to the customer.





# Machines and equipment for agriculture and forestry.

In addition to products for grassland maintenance, **düvelsdorf** offers a wide range of machines for agriculture and forestry. An overview of the entire product portfolio can be found in the current **düvelsdorf** product catalogue. If you are interested, please ask your local dealer.



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