

# Because perfect grassland begins with technology



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**düvelsdorf**

GRASSLAND MAINTENANCE TECHNOLOGY | Complete range

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 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.







**F**or four generations, the name Düvelsdorf has stood for quality production which is competent, sophisticated and reliable.

Today, I enjoy managing our family business together with my wife Annika and developing it into a successful future.

Grassland maintenance is our passion. Because we know that only if meadows and pastures are regularly and professionally maintained, can they deliver consistently high yields and ensure first-class fodder quality — the basis for successful milk production. With our machines, we offer you solutions for every size of farm, every type of soil and every application. Whether it's the **GREEN.RAKE classic** or the powerful 9-meter combination of the **GREEN.RAKE expert** and the **TERRA.ROLLER expert** — our product range is as multifaceted as the requirements of our customers.

Whether it's viticulture or fruit growing, in the community or on an organic or conventional dairy farm, we develop technology that is reliable, durable and practical. As a family business, we have been focussing on working closely with our customers for over 100 years and on machines that make your daily work easier.

I am proud of this — and it is my ambition to continue this tradition. I hope you enjoy reading this catalogue and wish you every success with your new **düvelsdorf** machine.

Yours sincerely  
Jan Düvelsdorf



## WHY IS GRASSLAND MAINTENANCE IMPORTANT?

**H**igh-quality fodder, resistant turf and regenerated land — the right care is essential for healthy grassland.

The targeted use of rakes and rollers in grassland sustainably increases the quality and quantity of fodder. This not only means a higher yield of fodder, but also a higher milk yield from the fodder which reduces the need for expensive concentrated feed.

Damaged turf with patchy vegetation provide space for the spread of undesirable weeds. By raking and reseeding, these areas can be sown

with young, productive grasses. In addition, shallow-rooted, less productive grasses are raked out of the turf at the same time.

In addition, raking in grassland maintenance stimulates the tilling of the grass and produces fine soil — a good base for seed germination.

Permanent and sustainable grassland management regenerates the land and thus prevents costly sowing of new plants. Healthy grassland and strong turf means you have land that is resistant to damage from being driven over and adverse weather conditions.

# WHY SHOULD IT BE RAKED AND ROLLED?

**W**et and cold winters result in an excess of dead, mouldy grasses in many grasslands. These create the perfect environment for fusaria or fungi. Old grass also 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 aerate the turf is a rake with strong tines. Raking brings light and air to the turf, allows the soil to warm up earlier, and stimulates vegetation. The rake's levelling bar removes soil accumulation on the surface and spray residue is dispersed. If the seed is introduced directly into the tine section when raking, there are other

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. This is because, for these soil types, when the uppermost layer of earth freezes due to frost, the roots separate from the lower soil layer and the turf. This disrupts 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. Rolling also helps to press the grass plants down after raking and to press seeds down after sowing.





## RESEEDING

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

### Benefits of reseeding:

- + Cost effective (low machine costs, minimum loss of feed)
- + Low sowing risk (old turf remains)
- + Soil load-bearing capacity remains unchanged
- + No loss of nutrients through soil cultivation (ploughing, rotivating)
- + Low seed 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; this creates more gaps in the grassland in which high-quality seeds can become established
- > The seeds need good soil contact to germinate
- > 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 crops

### What needs to be considered:

- > The new seed must be maintained through raking and reseeding in order to crop larger quantities of high-quality fodder over the long term

# GREEN.RAKE expert



## IMPRESSIVE ON ANY TERRAIN.

The **GREEN.RAKE expert** can be adapted to all specific soil conditions thanks to its wide range of settings. For optimum contour guidance, the 1.5 m-wide rake sections are suspended individually in the shape of a parallelogram. This ensures even tine pressure, smooth running and consistent quality when working. The frame can adapt to bumps at right angles to the direction of travel by overhanging by up to 5 degrees.

How intensively you rake is up to you. The setting option of the **GREEN.RAKE expert** ranges from flat rake tines with only 0.5 kg preload per tine, up to 10 kg and extremely aggressively forward-positioned tines.

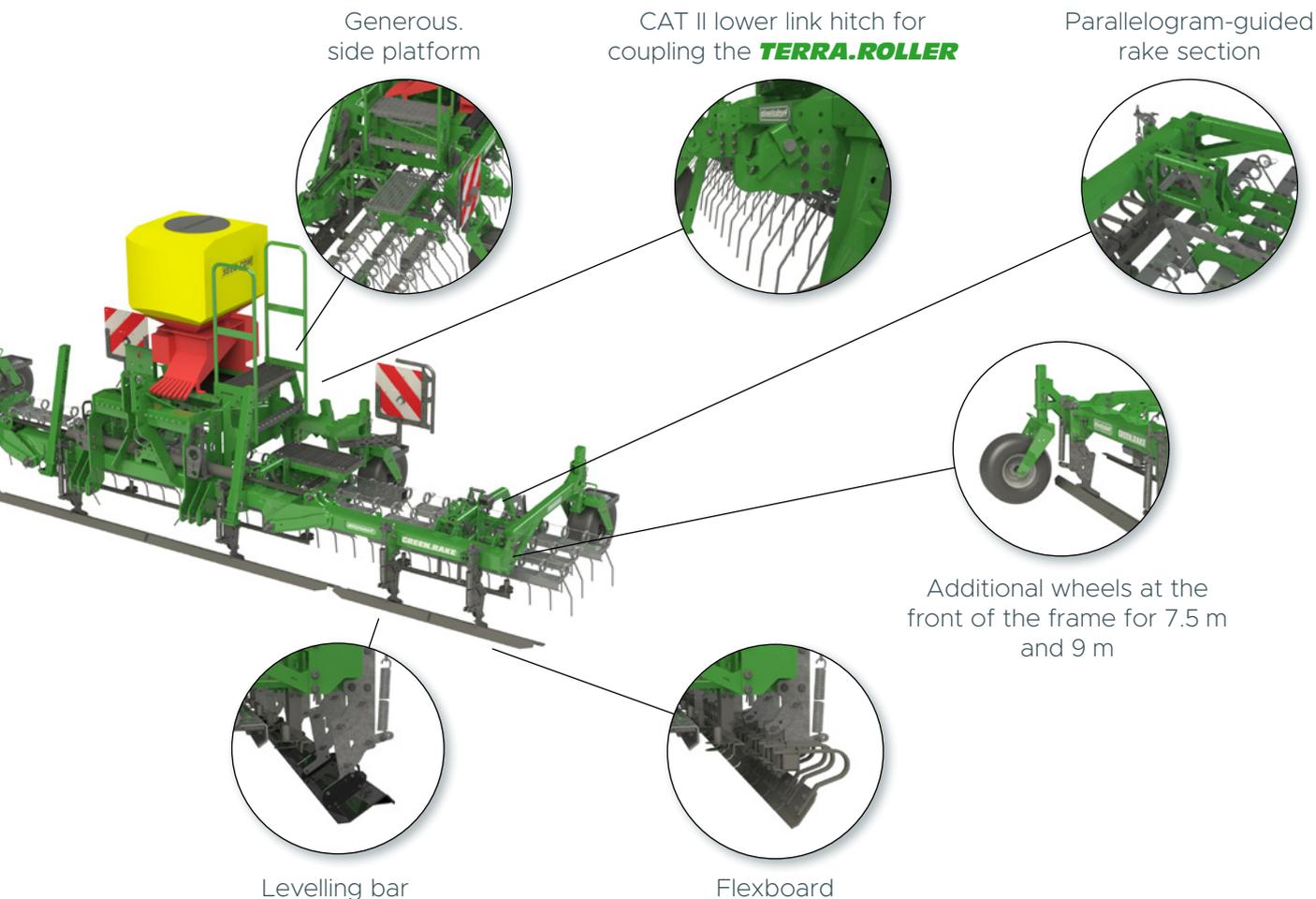
This means that the **GREEN.RAKE expert** can be used both for the maintenance of young grass on sandy, light soils and for the renovation of old turf on hard soils. The attachment is either the three-point CAT II or CAT III, the lighting for road transport is fitted as standard. Thanks to the optional accessories such as the levelling bar, the flexboard and various seeders, the **GREEN.RAKE expert**

can be optimally adapted to your requirements, enabling targeted and effective grassland maintenance.

In addition, the optional coupler set of a **TERRA.ROLLER** enables direct rolling of the grassland. Travelling on public roads is possible at speeds of up to 40 km/h.

### ADVANTAGES:

- + Wide range of settings for all ground conditions and uses
- + Tine pressure from 0.5 kg to 10 kg per tine
- + Easy adjustment of the working range
- + Tine position and pre-pressure can be set independently of each other
- + Very good ground adaptation due to parallelogram-guided rake sections
- + Attachment of a roller possible using a coupler set
- + Extensive additional equipment



## TECHNICAL DATA

	<b>3</b>	<b>6</b>	<b>7.5</b>	<b>9</b>
Working width in m				
Weight of basic appliance in kg	630	1,095	1,425	1,585
Weight fully equipped in kg	910	1,735	2,040	2,250
Transport width in m	2.99			
Transport height in m	1.6	2.45	3.20	3.95
Length in m	2.0	1.94	2.08	2.08
Frame cross-section in mm	120 × 120	120 × 120	120 × 200	120 × 200
Wheels	2	4	6	6
Slope compensation in degrees	-5° to + 5°			
Attachment	CAT II/III			
Tine spacing in mm	50			
Tine diameter in mm	10			
Number of tines in unit	60	120	150	180
Tine pressure per tine in kg	0.5 to 10			
Width of rake section in m	1.5			
Number of rake sections in unit	2	4	5	6
Rake section mount	Parallelogram			
Tine rows in unit	3			
Distance between tine rows in mm	270			
Fittings	Lighting, tine guard, hydraulic transport lock (from 6 m)			



## YEAR-ROUND USE.

The **GREEN.RAKE expert** can be used all year round, especially with a seeder, the **TERRA.ROLLER** and optional ground preparation tools. The overview shows

examples of when and for what you can optimally use the **GREEN.RAKE expert**, **TERRA.ROLLER eco** and **TERRA.ROLLER expert** with levelling bar, tine attachment or knife roller.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>GREEN.RAKE expert:</b> Aerating/raking out/stimulating/crumbling												
<b>GREEN.RAKE expert</b> with seed device + <b>TERRA.ROLLER:</b> Grassland reseeding/new sowing												
<b>GREEN.RAKE expert</b> with seeder + <b>TERRA.ROLLER:</b> Catch crop seeding												
<b>TERRA.ROLLER:</b> Rolling grassland												
<b>TERRA.ROLLER:</b> Rolling cereals for tilling/rolling seedbeds												
<b>TERRA.ROLLER expert</b> with levelling bar: Levelling and flattening the ground												
<b>TERRA.ROLLER expert</b> with tine attachment: Seedbed preparation/stubble breaking												
<b>TERRA.ROLLER expert</b> with knife roller: Plant stubble shredding (rape, cereals, maize) and catch crops												

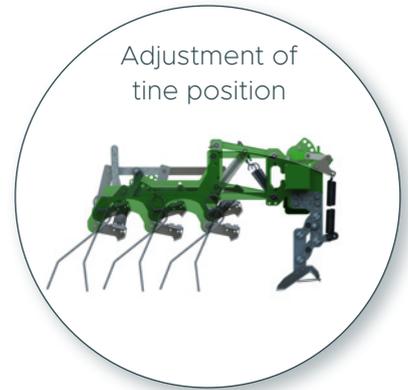
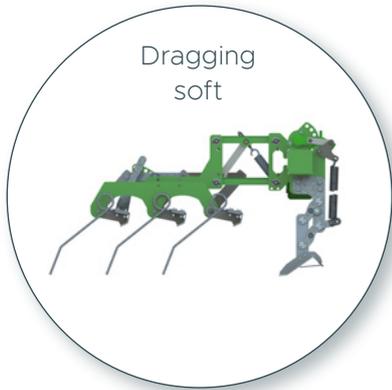
Standard action

Additional actions

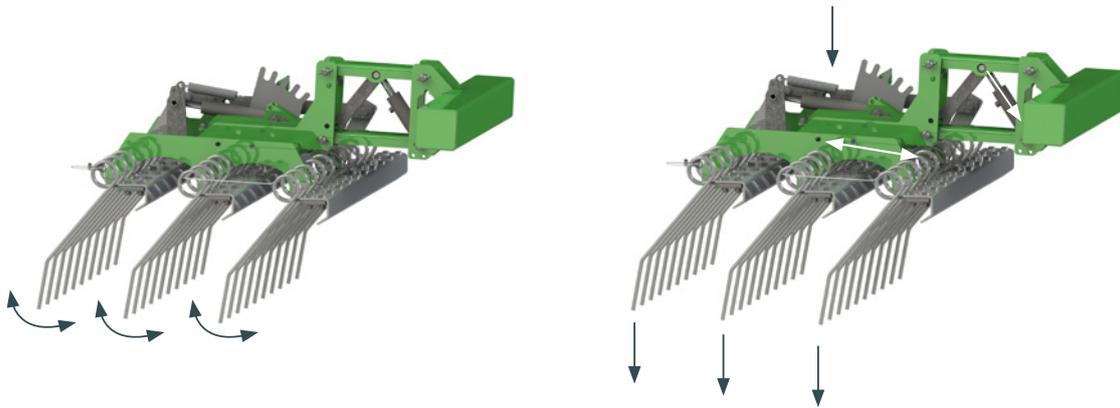
\* Recommendation: 5–25 kg seed/grain for reseeding

# SETTING OPTIONS FOR THE TINE SECTION:

The **GREEN.RAKE expert** offers you five positions for setting the tines—from quite gentle to intense and aggressive. This means the device can be precisely adapted to a wide range of soil conditions.



Hydraulic adjustment of the rake section and pre-pressure is available as an option. This enables seamless adjustment, which can be carried out directly from the cab. This increases convenience and efficiency, especially under changing operating conditions.



## 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 crank as well as the tine spacing of 50 mm enable weeds and mosses to be optimally raked out.

# WELL DESIGNED DOWN TO THE LAST DETAIL:



## Mechanical adjustment of the tines

The aggressiveness of the rake tines and thus their effect on the soil and turf can be conveniently adjusted by means of an easily accessible lever. You can choose from five different positions. This means the tines can be perfectly adapted to any operation.

## Tine guard

In the event of tine loss the tine guard ensures that the tine is taken along and not left on the grassland. This avoids potential damage during subsequent work operations. All **düvelsdorf** rakes are fitted with the tine guard.



## Wheel attachment

The large trailing support wheels ensure very good height control of the rake. They also enable easy contour travel without the wheels scraping.

The pre-pressure on the rake sections can be conveniently adjusted by setting the height.



## Levelling bar

Optionally, the **GREEN.RAKE expert** can be fitted with a levelling bar. This ensures even, level ground and a clean result. To prevent damage when starting up or driving over obstacles, the bar is spring-loaded and can deflect upwards. If this protection is not sufficient, an additional safety device via a shear bolt takes effect.

## Flexboard

The flexboard, which ensures even, low-wear levelling on stony ground, can be added as an option. The plates, which are individually mounted on leaf springs, avoid stones and foreign objects. This ensures smooth operation. The plates can be mounted in a dragging or scraping position to adjust work intensity. They simply need to be rotated by 180° to switch.



## Raising and locking

For better utilisation on arable land, both the levelling bar and the Flexboard can be locked in the uppermost position. To do this, only two bolts need to be inserted. After locking in the uppermost position, the support is once again ready within reach at the side of the three-point tower.

# WELL DESIGNED DOWN TO THE LAST DETAIL:



## Hydraulic tine adjustment

The aggressiveness of the tines is determined by their offset. As an additional accessory, the hydraulic adjustment allows the intensity to be continuously adjusted from the cab during use. The adjustment is made by using a single acting control unit.

## Hydraulic pre-pressure adjustment

Adjusting the pre-pressure sets the working depth of the tines. Thanks to the pre-tensioned hydraulic cylinders, height differences in the surface can be equalised even better. For changing ground conditions, the hydraulic adjustment extends the adjustment range through more efficient operation from the cab (optionally available).



## Pre-pressure display

If the **GREEN.RAKE expert** is equipped with a hydraulic pre-pressure adjustment, the pressure display enables precise adjustment and quick control of the pre-pressure.





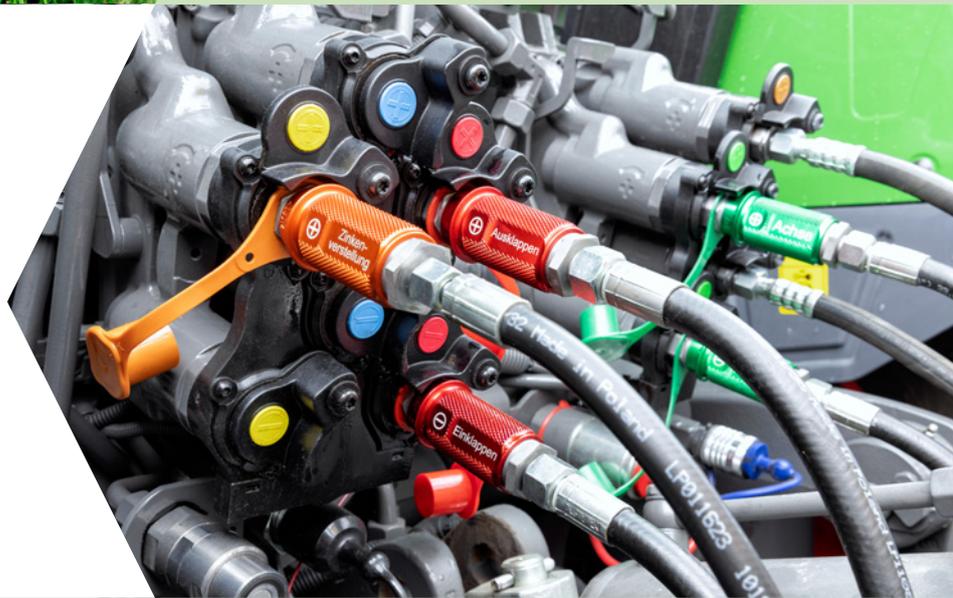
## Integrated hectare counter

An integrated hectare counter is optionally available — makes sense for farm subcontractors or rental machines.

The hectares travelled can be determined using a conversion factor.

## KENNFIXX®

To make assigning hydraulic connectors to the right connections quick and easy, KENNFIXX® hose labels are installed as standard.



## Coupling set

The coupling set enables the attachment of a **TERRA.ROLLER** using a CAT II lower link hitch. The hydraulic, lighting and compressed air connections are conveniently plugged into the labelled connections on the **GREEN.RAKE expert**.

# WELL DESIGNED DOWN TO THE LAST DETAIL:



## Seeder

The **GREEN.RAKE expert** is available with a seeder upon request. There are five models to choose from. A tail wheel, tractor meter cable or GPS sensor are available options for speed-dependent sowing. The hose guide on the frame enables smooth and efficient seed-spreading.

## Seeder platform

If the **GREEN.RAKE expert** is equipped with a seeder, the tank is filled via the side platform. The hand rail ensures safe working on the top step.



## Collection trough

If your rake is equipped with a seeder, the practical collection trough enables a user-friendly calibration test. The rail system with parking position provides a neat way to store the collection trough on the machine. In addition, any residual quantities can be quickly emptied due to its size.



## Holder for scales

To ensure that the calibration test is always possible everywhere, all seeders are equipped with scales and a weighing bag.

## Seed distribution

The baffle plates are designed and mounted in such a way that the seed is evenly distributed in front of the tine section. This allows the rake tines to work the seed perfectly into the soil and ensures the best possible germination.



## Tail wheel

The speed sensor on the tail wheel measures the working speed of the trailer, to ensure uniform seed sowing.

A further sensor determines the rake's working or transport position. The seeding shaft is thus automatically switched on and off and prevents double sowing in the headlands.



## POSSIBLE APPLICATIONS:

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

# Rake-roller combination **GREEN.RAKE** expert +

## A GOOD COMBINATION.

The rake-roller combination consists of **GREEN.RAKE** expert and the **TERRA.ROLLER** eco or the **TERRA.ROLLER** expert and combines the advantages of the machines. This makes it an all-rounder for arable and grassland. The rake and roller can be used together or independently of each other. This allows a higher rate of equipment use as well as complete processing in one operation, as the roller can be used individually in arable farming and the rake on its own in grassland. Coupling and uncoupling is quick and straightforward thanks to the structure of the lower link hitch. The combined machines are easily operated by two dual-acting control units.

### ADVANTAGES:

- + Low support load with wider working width
- + The roller and rake can also be used be used independently of each other
- + Simple operation thanks to two DW control units
- + Rake-roller combination can be attached when coupled



# n with **TERRA-ROLLER**

## Combination when used on public roads

For public road use the combination can be approved for 40 km/h. For this an air brake system is required, depending on the type and weight. All rollers and rake-roller combinations are equipped in compliance with the German Road Traffic Licensing Regulations (StVZO) and with certificates for this approval.



# GREEN.RAKE pro



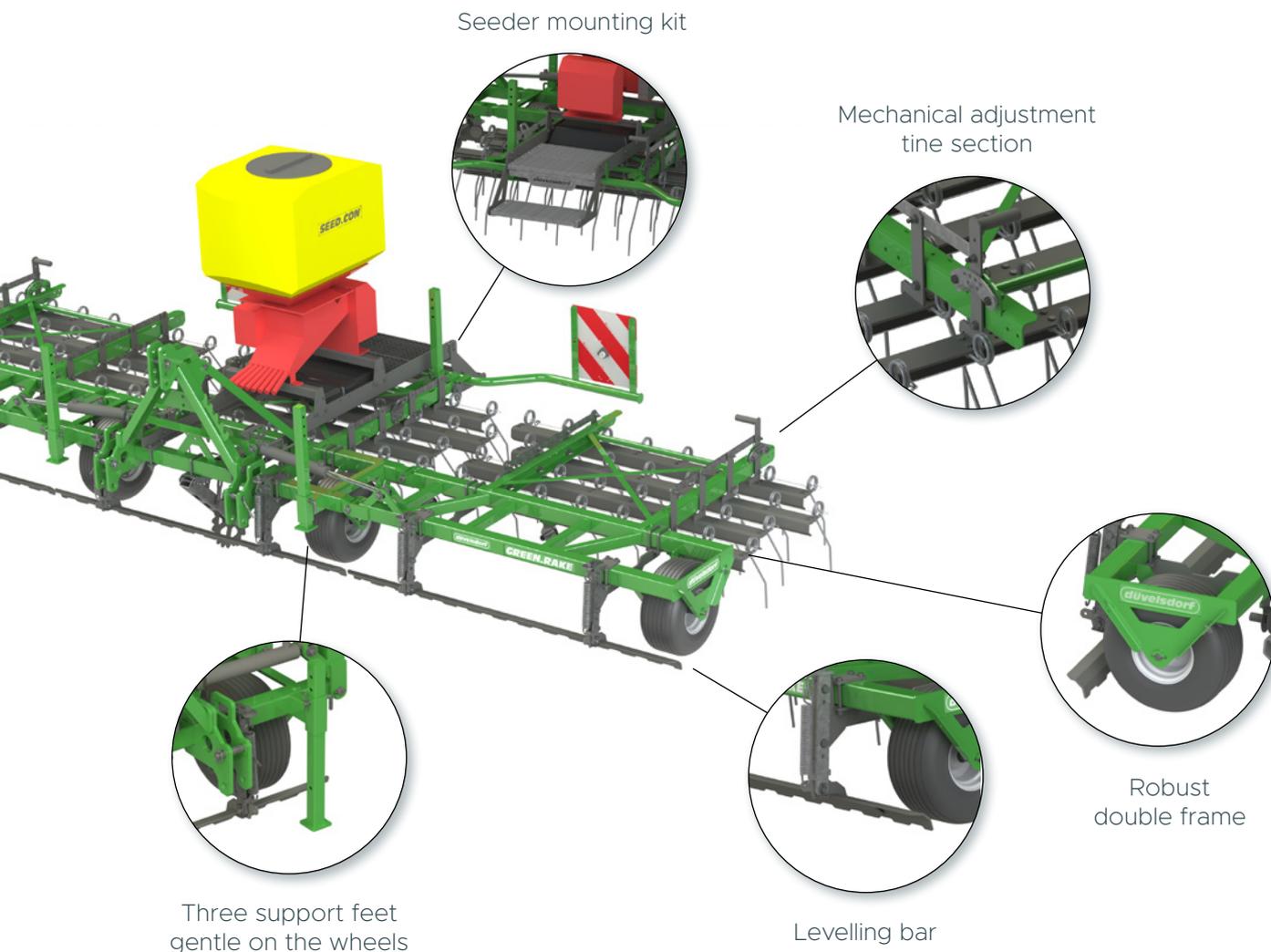
## SIMPLY CONVINCING.

The **GREEN.RAKE pro** is economically well thought-out and offers the essential functions without sacrificing reliability and performance. The two-beam square tube frame and the 10 mm tines with double winding, guarantee durability and solid performance even in demanding conditions. Thanks to the four-row arrangement of the tines, optimum passage behaviour is achieved, which significantly reduces the risk of material being pulled along in the field being raked. The tine aggressiveness can be adjusted to seven different positions, allowing the rake to be flexibly adapted to different operating conditions. One particular advantage is the optionally available spring-loaded levelling bar, which efficiently levels out mounds of earth and can dodge upwards in the event of overloading — a clever solution for gentle and precise work. The **GREEN.RAKE pro** sits on 2 m wide rake sections, which offer reliable performance due to their rigid connection to the frame. Supplemented by four large wheels that

guarantee excellent smooth running, the rake is comfortable to handle. We highlight here its simple operation: The tines are conveniently adjusted using a lever directly on the rake section. Additional options such as the seeder or hydraulic adjustment boost the machines versatility.

### ADVANTAGES:

- + Four rows of tines
- + Tine aggressiveness adjustable to seven positions
- + Tine pressure from 2 kg to 8 kg per tine
- + Robust 10 mm tines with double winding
- + Tine guard
- + Robust two-bar frame
- + Four large wheels 18x8.5-8 for smooth running when working



Seeder mounting kit

Mechanical adjustment  
tine section

Robust  
double frame

Levelling bar

Three support feet  
gentle on the wheels

### TECHNICAL DATA

	3	6
Working width in m	3	6
Weight basic unit	390	730
Weight fully equipped in kg	580	1,020
Transport width in m	2.99	
Transport height in m	1.27 (1.9 with sowing equipment)	2.45
Length in m	2.25	
Frame cross-section in mm	Twin frame 80 × 80	
Slope compensation in degrees	nv	-5° to + 5°
Attachment	CAT II	
Tine spacing in mm	62.5	
Tine diameter in mm	10	
Number of tines in unit	48	96
Tine pressure per tine in kg	2 to 8	
Width of rake section in m	3	2
Number of rake sections in unit	1	3
Rake section mount	Rigid	
Tine rows in unit	4	
Distance between tine rows in mm	270	
Equipment	Lighting, tine guard, hydraulic transport lock (from 6 m)	

# WELL DESIGNED DOWN TO THE LAST DETAIL:



## Mechanical adjustment of the tines

With **GREEN.RAKE pro**, the aggressiveness of the rake tines can be adjusted to seven different positions. This ensures they are ideally adapted to the existing soil conditions.

## Hydraulic adjustment of the tines section

If the **GREEN.RAKE pro** is equipped with hydraulic tine adjustment, the tines can be infinitely adjusted from the cab using a single acting control unit. The hydraulic cylinders connected according to the positive displacement principle ensure uniform working even on uneven ground, as all cylinders always have exactly the same pressure.



## Levelling bar

An optional spring-loaded levelling bar ensures the ground is uniformly levelled. If overloaded, it can dodge upwards.



## Hectare counter

In order to always have an overview of the hectares worked, it is advisable to use the rake with an integrated hectare counter.

## Seeder with mounting kit

On request, the **GREEN.RAKE pro** can be fitted with a seeder. In this case, a platform is also added to the seeder for effortless filling of the tank.



## Tail wheel

For a seeder with speed-dependent rate control, the rake can be equipped with a tail wheel to record the working speed and position. Optionally, a tractor metre cable with or without a GPS sensor can also be fitted.

# TERRA.ROLLER eco 6.3 m



## PERFECT PRICE AND PERFORMANCE.

The **TERRA.ROLLER eco** with Cambridge or toothed rings offers the ideal entry into the professional roller segment. With a working width of 6.3 m, it makes soil cultivation efficient, whether on arable or grassland. In addition, the machine is also impressive with a transport width of just 2.5 m.

The **TERRA.ROLLER eco** can be used year-round. The roller is particularly suitable for soil reconsolidation, for rolling after sowing and for seedbed preparation. It can be hitched to the CAT II and CAT III lower

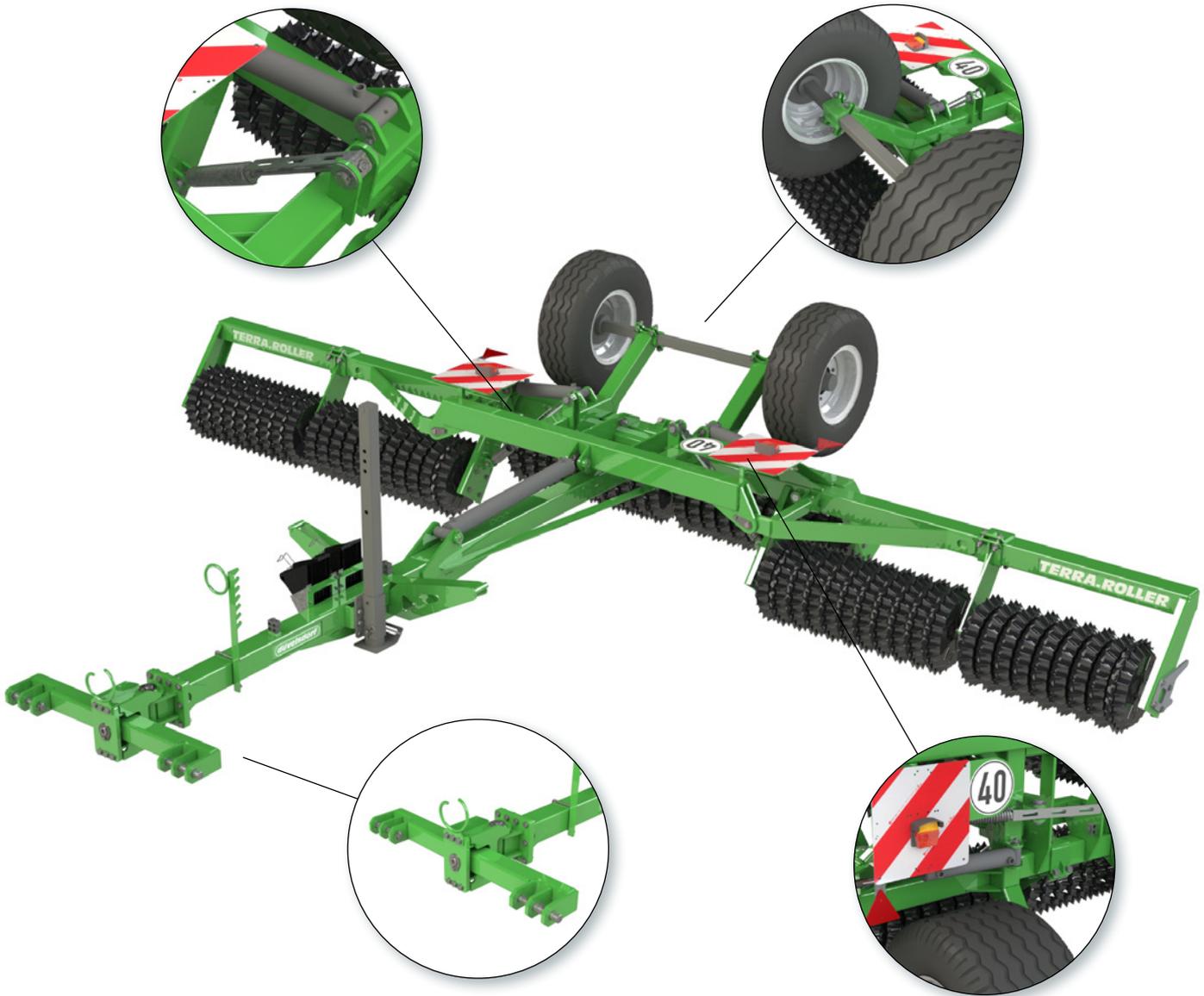
link hitches as standard. The air brake and larger wheels are optionally available.

### ADVANTAGES:

- + Simple, uncomplicated operation
- + Versatile—for arable and grassland use
- + Attachment to the **GREEN.RAKE expert** possible

Mechanical equalisation of the contact pressure with springs

Stable axle suspension with continuous 60 × 60 mm axle



CAT II/III lower hitch as standard

40 km/h approval possible for road use without air brake system

### TECHNICAL DATA

Configuration		Empty weight in kg			Transport dimensions in m		
Working width	Ring type	Total	Axle load	Coupling load	Length	Width	Height
<b>6.3 m</b>	Cambridge Ø 460	2,480	1,760	720	5	2.5	1.7
	Cambridge Ø 550	3,400	2,520	880	5	2.5	1.7
	Toothed ring Ø 450/500	3,220	2,340	880	5	2.5	1.7

# TERRA.ROLLER expert



## ONE ROLLER. MANY POSSIBILITIES.

The **TERRA.ROLLER expert** professional roller impresses on arable and grassland with uniform ground pressure and optimum adjustment to the terrain. The three-part earth roller scores points from the first glance with its particularly robust frame. Even more strengths are revealed out on the fields. On the one hand, the individually suspended roller elements ensure optimum adjustment to the ground. On the other hand, the roller delivers even ground pressure over its entire working width. The pressure is adjusted mechanically or hydraulically, depending on how the version is equipped. On request, the **TERRA.ROLLER expert** can be supplied with both a seeder and seedbed prepara-

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

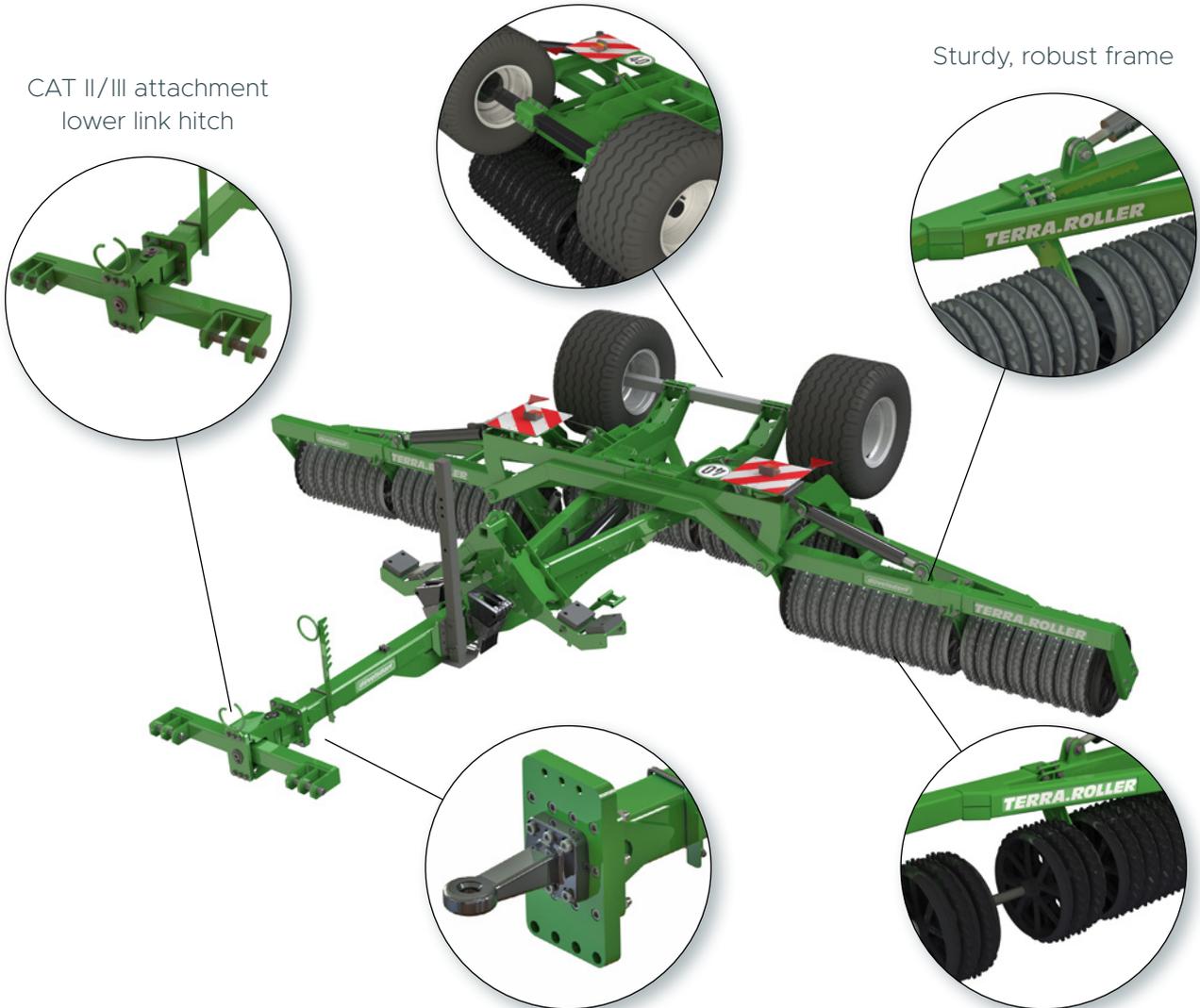
### ADVANTAGES:

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

Stable axle suspension with continuous 80 × 80 mm axle

Sturdy, robust frame

CAT II/III attachment lower link hitch



Conversion to towing eye or K80 possible

Triple bearing 50 mm shaft

### TECHNICAL DATA

		Cambridge elements		Toothed ring elements <sup>2</sup>
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		
Transport width in m		2.5		
Total weight in kg	6.3 m	3,140	4,020	3,680
	7.7 m	3,500	4,700	4,460
	8.3 m	3,740	4,920	4,860
	9.3 m	4,080	5,220	5,040
Axle load <sup>1</sup> in kg	6.3 m	2,240	2,980	2,660
	7.7 m	2,520	3,420	3,180
	8.3 m	2,720	3,520	3,460
	9.3 m	2,900	3,680	3,560

<sup>1</sup> All **TERRA.ROLLERS** are supplied with a TÜV certificate for obtaining an ABE for approval to 40 km/h. With an axle load of more than 3,500 kg an air brake system must be installed.

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

# WELL DESIGNED DOWN TO THE LAST DETAIL:



## Seeder

For spreading catch crops, for example, the **TERRA.ROLLER expert** can be supplied with an optional seeder. Retrofitting the sowing unit with a step is also possible at any time.

## Weight distribution

The pre-tensioned springs transfer the weight of the centre roller element to the two outer elements and thus ensure even distribution of the ground pressure. In turn, this means uniform operation across the entire width. Hydraulic weight distribution is offered as an option.



## Transporting

With a width of just 2.5 m, the **TERRA.ROLLER expert** comfortably move safely on the road at 40 km/h. From an axle load of 3.5 t, the **düvelsdorf** professional roller must be equipped with an air brake system in order to meet the 40 km/h approval for public road traffic.

# THE RIGHT RING FOR EVERY APPLICATION.

The **TERRA.ROLLER** offers a number of options for customisation. That's why 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

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:

- + Favours early and uniform seed emergence
- + Prevents slug and snail infestations
- + Protects young plants from blowing away in windy areas

### POTENTIAL USES:

- > On arable land and grassland
- > Grassland reseeding and new planting
- > Intercrop sowing
- > Stimulation of tilling



## Toothed ring elements

The toothed ring elements break up heavy clods of earth due to their greater 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 control of pyralid moths by breaking up the maize stubble
- + Aggressive breaking up of clods of earth
- + Narrow structure and large number of tooth tips lead to intensive crumbling

### POTENTIAL USES:

- > On arable land and grassland
- > Grassland reseeding and new planting
- > Intercrop sowing
- > Stubble cultivation



# SEEDERS



## SEEDERS AT A GLANCE

Function	ES 4 Standard	ES 8 Standard	ES 8 Turbo	Lehner Vento	HS 8 Turbo	HS 12 Turbo
Control module	Profi	Profi	Profi <b>SEED.CON</b>	Vento <b>SEED.CON</b>	<b>SEED.CON</b>	<b>SEED.CON</b>
Blower	Electric	Electric	Electric	Electric	Hydraulic	Hydraulic
Power consumption	10 A	10 A	25 A (45 A) <sup>1</sup>	40 A	5 A/25 l/min	5 A/25 l/min
Outputs	4	8	8	8	8	12
Hose diameter in mm	30	25	30	30	30	30
Calibration function	Yes	Yes	Yes	Yes	Yes	Yes
Weight in kg	35	50	65	67	110	150
Tank size in l	130	300	300	230	300	500
Dimensions in mm L x W x H	600 x 500 x 1,350	650 x 900 x 1,300	900 x 650 x 1,350	919 x 527 x 1,199	1,250 x 650 x 1,350	1,250 x 700 x 1,660
Maximum working width in m	3	6	6	6	8	9
Standard seed shafts	25	15	15/25	Complete set	15/25	15/25
Suitable for	Grass seeds + small seeds	Grass seeds + small seeds	Grass seeds + various intermediate crops	All seeds	All seeds	All seeds

<sup>1</sup> ES 8 Turbo **SEED.CON** (45 A) available with twin turbines (power supply via ISOBUS cable)

### Control modules



Profi



**SEED.CON** smartphone/tablet



**SEED.CON** terminal



## 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 30 gives you an overview of what's on offer. Three different controls are available for the seeders:

Profi, **SEED.CON** and the Lehner Vento control system. The ES 4 Standard, the ES 8 Standard and the ES 8 Turbo with professional control 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 injection, as well as hectare and hour counters. The user-friendly

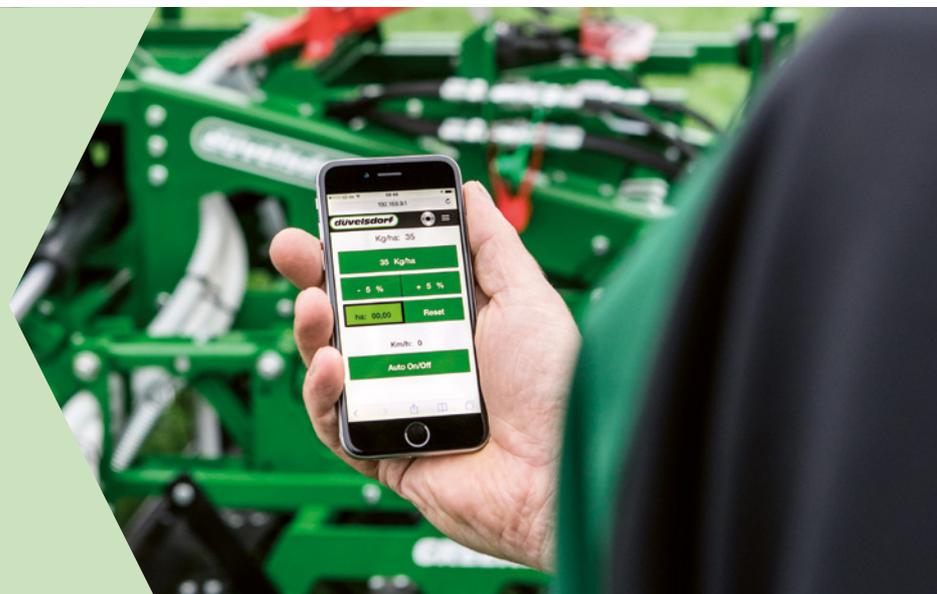
interface on your own smartphone or tablet makes the control even more practical and simple. All settings can be made either from the cab or directly on the seeder. Other advantages of the **SEED.CON** control system are the quantity control during operation and the additional operation using a **SEED.CON** terminal.

### ADVANTAGES:

- + More wind-resistant, close to the ground sowing compared to disc spreaders
- + Precise lateral distribution
- + Use in large working widths possible
- + Large tank volume (up to 500 l)

### Convenient to adjust

The intuitive user interface of the **SEED.CON** control makes it convenient to set up your seeder.



# GREEN.RAKE vario



## COMPACT GRASSLAND MAINTENANCE.

The **GREEN.RAKE vario** is a light, compact professional machine designed for front mounting. The rake is available in working widths of 1.2 m, 1.6 m, 1.8 m, 2 m, 2.5 m and 3 m. The rake's design makes it suitable for smaller towing vehicles. This means that the **GREEN.RAKE vario** also gives smaller farms the option for professional grassland maintenance. When combined with the **TERRA.ROLLER eco** and a seeder it can reseed crops perfectly. The **GREEN.RAKE vario** is particularly attractive for grassy areas that are difficult to access, e.g. on steep slopes, embankments or narrow access roads. The 1.2 m to 2 m versions are also particularly suited to use in vineyards, orchards and for vegetable cultivation. For rake operation without over-seeding, the machine can also be driven with an optional rear three-point hitch in the rear hydraulics for working widths of

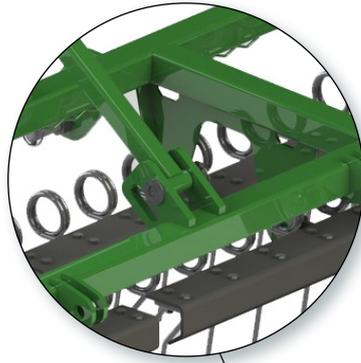
2 m or more. The rake has a robust flexboard and a reliable tine guard as standard.

Optionally, the **GREEN.RAKE vario** can be fitted with a hinged lighting system in working widths of 1.2 m to 2 m. Thus, plants and fruits are protected when passing through rows of crops.

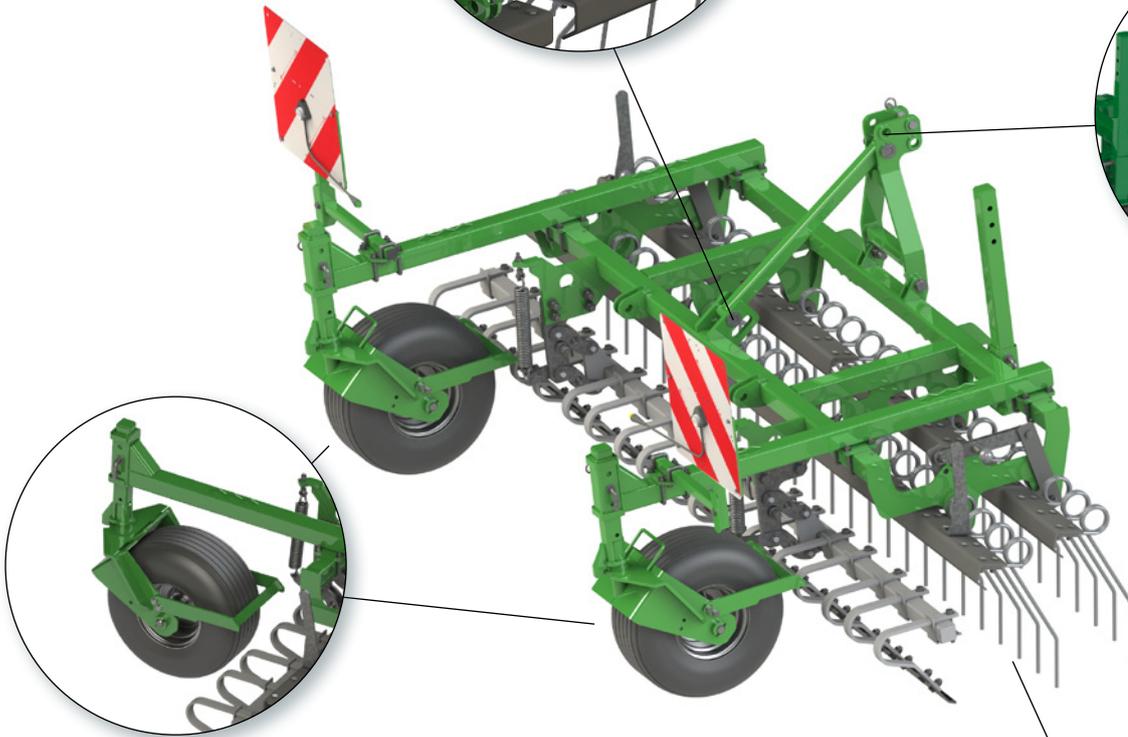
### ADVANTAGES:

- + Large support wheels
- + Convenient adjustment of the tine rows
- + Compact design
- + Low weight
- + Can be driven in the front and in the rear (from 2 m)

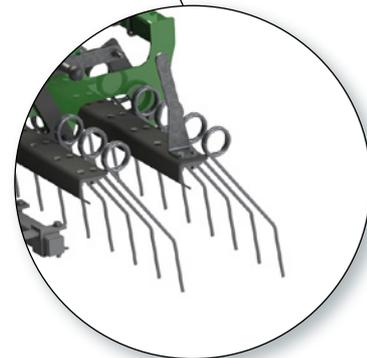
Fixed hole/slotted  
hole locking pin



Three-point hitch  
CAT 0/I/II



Large support  
wheels



2-beam for compact  
design



In conjunction with **TERRA.ROLLER eco** reseedling is possible. It is also possible to mount a seeder with the **GREEN.RAKE vario** from a working width of 2 m.

# GREEN.RAKE vario



## TECHNICAL DATA

Working width in m	<b>1.2</b>	<b>1.56</b>	<b>1.8</b>
Weight in kg	205	230	310
Transport width in m	1.2	1.6	1.8
Transport height in m	1.15		
Length in m	1.55		
Frame cross-section in mm	Twin frame 60 × 60		
Attachment	CAT 0/I/II		
Wheels in unit	1	2	2
Tine spacing in mm	60		
Tine diameter in mm	10		
Number of tines	20	26	30
Tine pressure per tine in kg	2 to 8		
Width of rake section in m	1.2	0.8	0.9
Number of rake sections in unit	1	2	2
Rake section mount	Rigid		
Tine rows	2		
Distance between tine rows in mm	260		
Equipment	Flexboard, tine guard		

## POSSIBLE APPLICATIONS:

- Aeration and promotion of crop in hard-to-reach areas such as slopes or dykes
- Only a small towing vehicle required
- In combination with **TERRA.ROLLER eco** and a seeding device for reseeding pasture areas
- The 1.2 m to 2 m versions are primarily suitable for use in fruit, grape and vegetable cultivation



### TECHNICAL DATA

Working width in m	<b>1.98</b>	<b>2.52</b>	<b>3</b>
Weight in kg	315	352	375
Transport width in m	2	2.5	3
Transport height in m	1.15		
Length in m	1.55		
Frame cross-section in mm	Twin frame 60 × 60		
Attachment	CAT 0/I/II		
Wheels in unit	2	2	2
Tine spacing in mm	60		
Tine diameter in mm	10		
Number of tines	33	42	50
Tine pressure per tine in kg	2 to 8		
Width of rake section in m	1	1.25	1.5
Number of rake sections in unit	2	2	2
Rake section mount	Rigid		
Tine rows	2		
Distance between tine rows in mm	260		
Equipment	Flexboard, tine guard		

# TERRA.ROLLER eco 1.2 m to 3 m



## COMPACT HIGH PERFORMANCE.

**W**ith working widths of 1.2 m, 1.6 m, 1.8 m, 2 m, 2.5 m and 3 m the compact **TERRA.ROLLER eco** is ideal for grassland and arable farming as well as for use in vineyards, orchards and vegetable cultivation. The roller can be used flexibly at the rear or front.

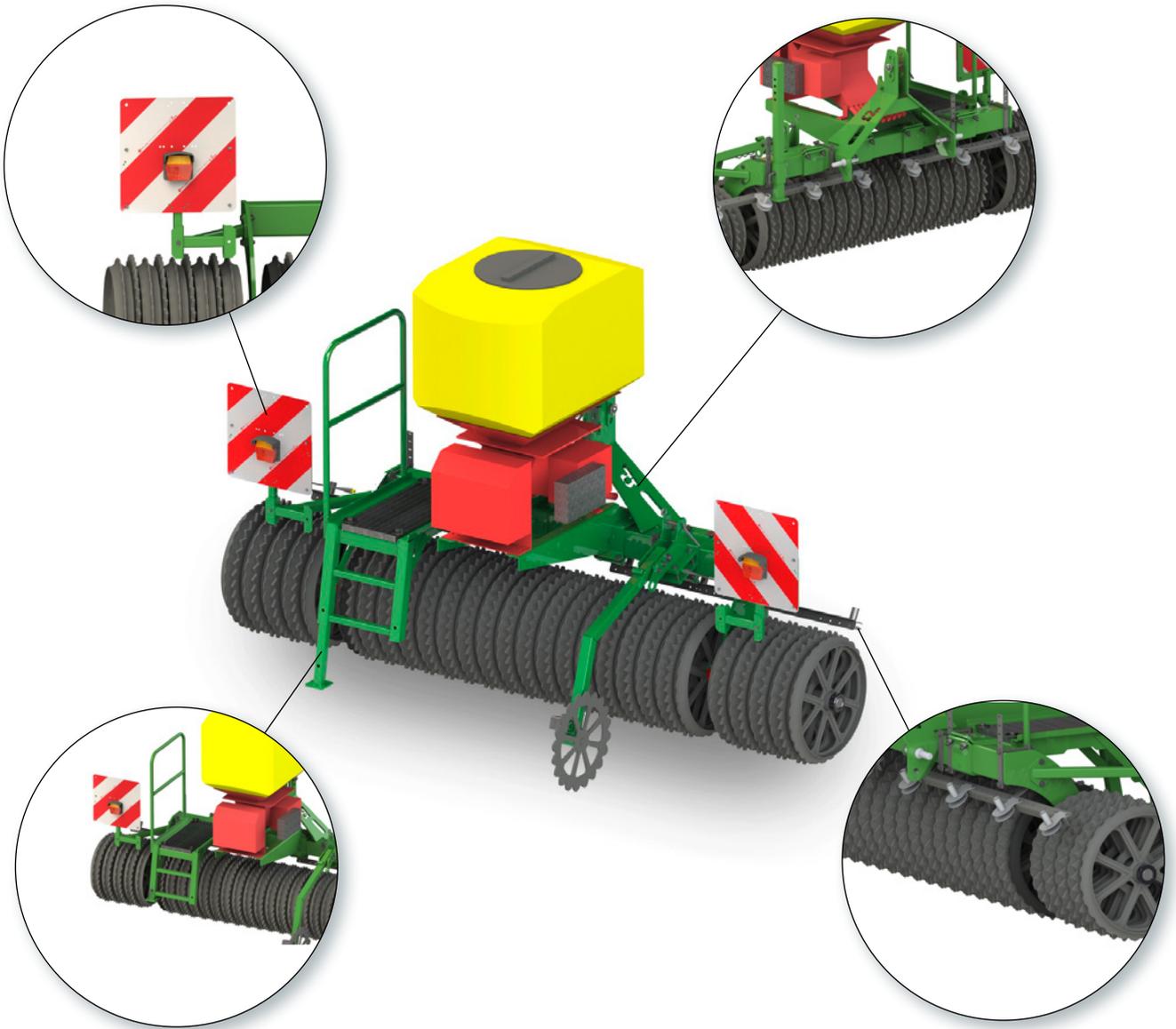
It is also possible to set up a seeder and is an ideal addition to the **GREEN.RAKE vario**.

### ADVANTAGES:

- + Three-point CAT I and CAT II attachment
- + Middle bearing of the roller in track width of approx. 0.95 m
- + Optional seeder with 130 l tank volume and four outlets
- + Hinged lighting for pathways in row crops (optional up to 2 m)

Lighting with warning signs

Stable three-point attachment CAT I/II



Platform with rail

Baffle plate for even distribution



**TERRA.ROLLER eco**  
1.6 m Cambridge Ø 550



**TERRA.ROLLER eco**  
1.6 m Cambridge Ø 550 with mounting kit  
seeder

# TERRA.ROLLER eco 1.2 m to 3 m

TECHNICAL DATA						
Working width in m	<b>1.2</b>			<b>1.6</b>		
Ring type	Cambridge	Cambridge	Toothed ring	Cambridge	Cambridge	Toothed ring
Ring diameter in mm	460	550	450/500	460	550	450/500
Weight in kg	390	480	450	480	600	580
Transport width in m	1.2			1.6		
Transport height in m	1.27	1.32	1.28	1.27	1.32	1.28
Transport length in m	0.7	0.75	0.72	0.7	0.75	0.72
Bearing distances in m	1.1	1.1	0.87	0.94	0.94	0.87
Attachment	CAT I/II					
Attachment height H1/H2 in mm <sup>1</sup>	505/615	555/616	505/565	505/615	505/616	505/565

TECHNICAL DATA						
Working width in m	<b>1.8</b>			<b>2</b>		
Ring type	Cambridge	Cambridge	Toothed ring	Cambridge	Cambridge	Toothed ring
Ring diameter in mm	460	550	450/500	460	550	450/500
Weight in kg	530	670	650	590	740	720
Transport width in m	1.8			2		
Transport height in m	1.27	1.32	1.28	1.27	1.32	1.28
Transport length in m	0.7	0.75	0.72	0.7	0.75	0.72
Bearing distances in m	0.94	0.94	0.87	0.94	0.94	0.87
Attachment	CAT I/II					
Attachment height H1/H2 in mm <sup>1</sup>	505/615	555/616	505/565	505/615	505/616	505/565

TECHNICAL DATA						
Working width in m	<b>2.5</b>			<b>3</b>		
Ring type	Cambridge	Cambridge	Toothed ring	Cambridge	Cambridge	Toothed ring
Ring diameter in mm	460	550	450/500	460	550	450/500
Weight in kg	642	913	889	739	1,065	1,029
Transport width in m	2.6			2.98		
Transport height in m	1.27	1.32	1.28	1.27	1.32	1.28
Transport length in m	0.7	0.75	0.72	0.7	0.75	0.72
Bearing distances in m	1.85					
Attachment	CAT I/II					
Attachment height H1/H2 in mm <sup>1</sup>	530/600	580/650	530/600	530/600	580/650	530/600

<sup>1</sup>H1: Distance/height between ground and bottom lower link hole. H2: Distance/height between ground and top lower link hole.



Available as toothed or Cambridge roller

You can fit 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 29.

## Seeder

The **TERRA.ROLLER eco** can be optionally equipped with seeders. You'll find an overview of our seeders on page 30.



Can be used on grassland

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



# GREEN.RAKE combi



## GRASSLAND MAINTENANCE 4 IN 1.

Leveling, 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 compactness of this combined machine that stands out.

Three rake rows built into a robust frame make the **GREEN.RAKE combi** not only stable, but at the same time easy to pull and manoeuvre. The three-point attachment is particularly practical. The height-adjustable tine section guarantees a perfect working pattern.

The integration of a greater number of rake tines compared to the **GREEN.RAKE classic**, makes the **GREEN.RAKE combi** even better for ground aeration. The tines are arranged at a distance of 65 mm and aid the intensive raking out of tangles and weeds. We particularly recommend the use of the **GREEN.RAKE combi** for grassland maintenance in spring and for sowing catch crops in autumn.

### TECHNICAL DATA

Working widths in m	3/4.5/6
Ring type	Cambridge Ø 460 (3 m, 4.5 m, 6 m)
	Toothed ring (3 m, 4.5 m)
Weight in kg <sup>1</sup>	1,300/2,100/2,580
Number of tine rows	3
Tine spacing in mm	75/65/65
Tine diameter in mm	10
Transport width mm	2,930/2,990/2,990

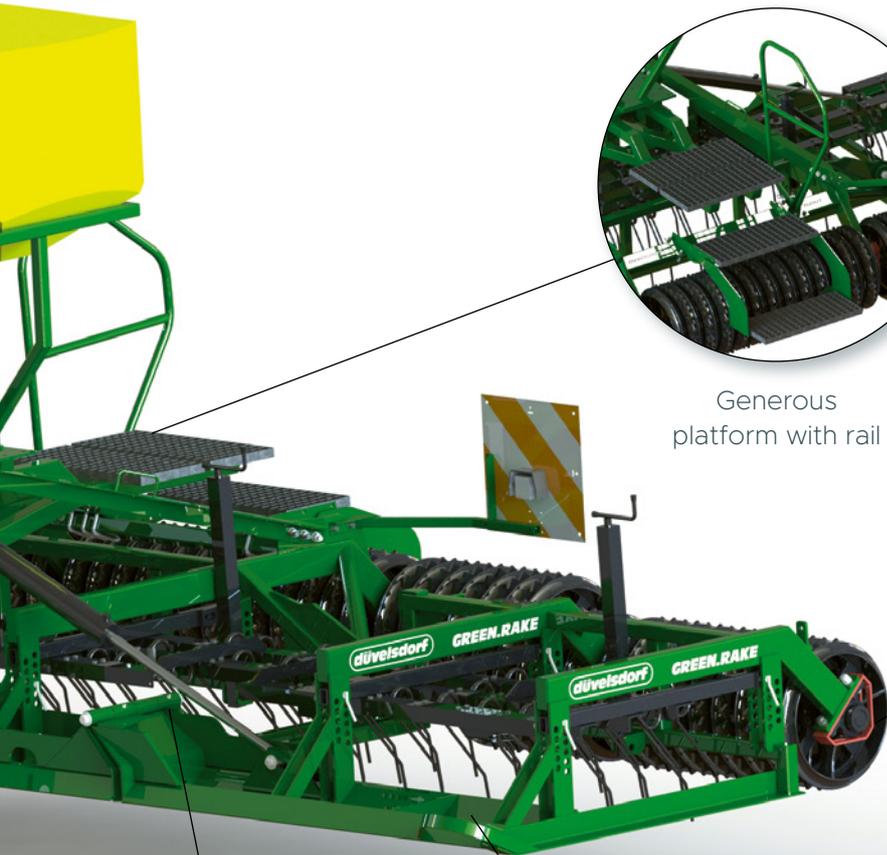
### ADVANTAGES:

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

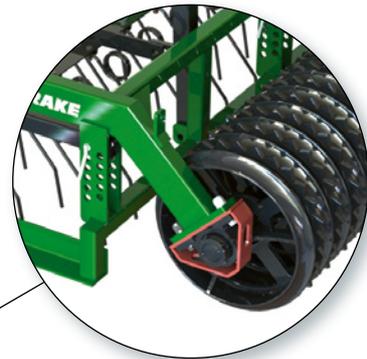
<sup>1</sup>Weight for **GREEN.RAKE combi** Cambridge Ø 460

# POTENTIAL APPLICATIONS:

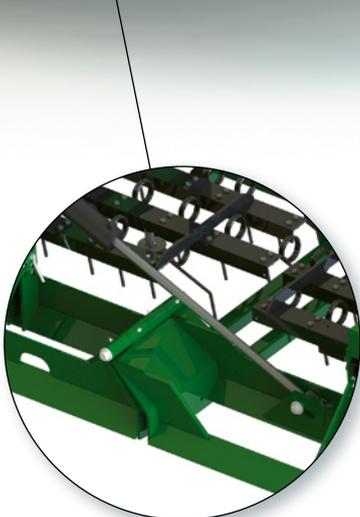
- Raking out of weeds with simultaneous reconsolidation of the soil
- Pressing the seed down for the best possible soil contact
- Complete springtime grassland maintenance in one operation
- Intercropping in Autumn



Generous platform with rail



Large protected bearings



Robust hinge



Levelling bar made from double angle iron



# GREEN.RAKE classic



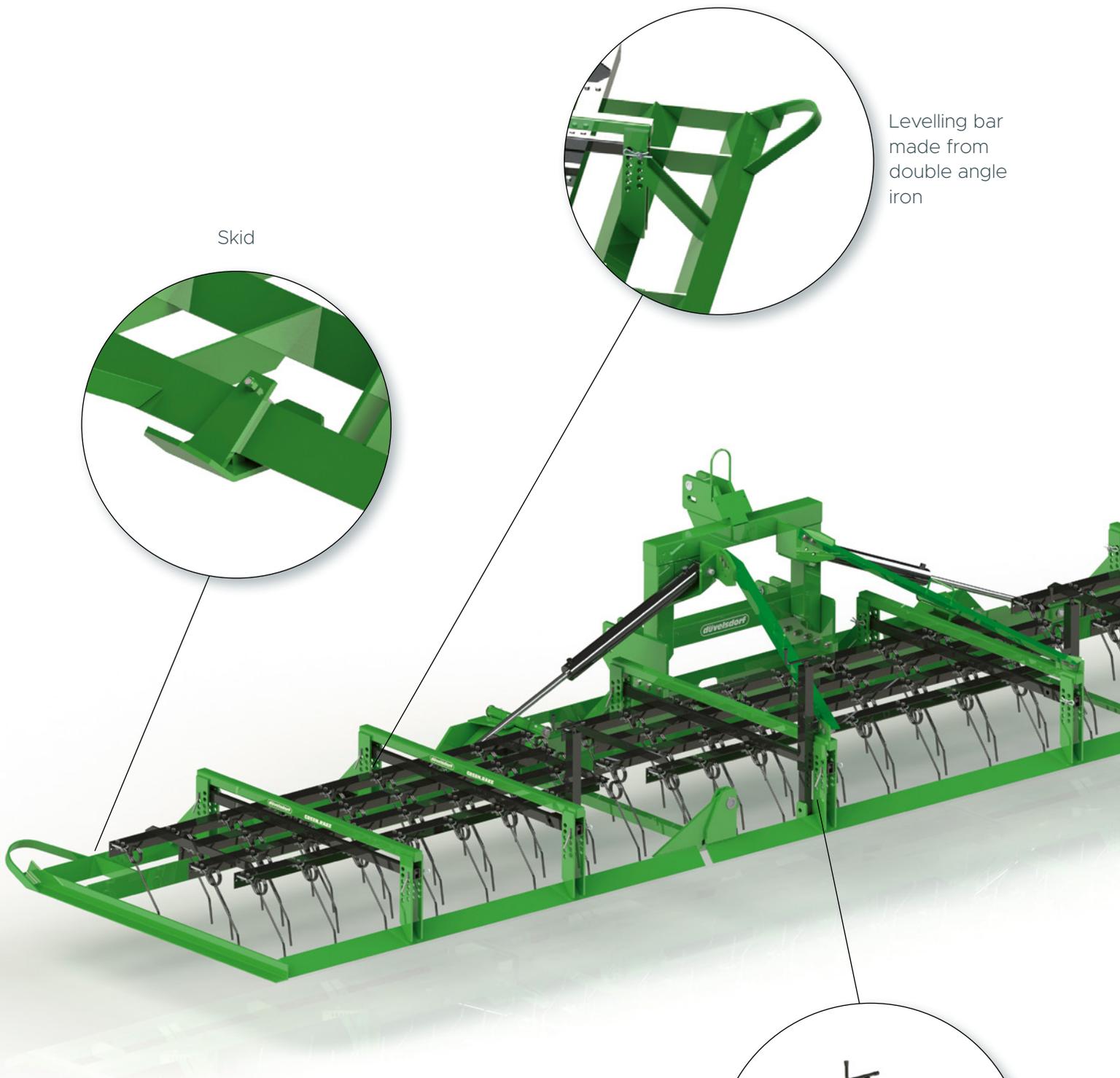
## EXEMPLARY MEADOW CARE.

The **GREEN.RAKE classic** offers maximum working 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** rake, great importance was placed on stability. For this reason a robust frame is used. An outstanding feature of the **GREEN.RAKE classic** 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 height adjustment using the spindle and hole pattern allows the intensity

of the rake tines to be adjusted. For work that needs to be particularly gentle, such as in soft to marshy areas, the **GREEN.RAKE classic** can also be optionally equipped with two to four skids.

### ADVANTAGES:

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



Skid

Levelling bar made from double angle iron



Spindle with hole pattern

TECHNICAL DATA	
Working widths in m	3/6/8
Weight in kg	560/1,000/1,100
Number of tine rows	4
Tine spacing in mm	75
Tine diameter in mm	10
Transport width mm	2,950

# GREEN.ROLLER classic



## FOR OPTIMUM SOIL CONTACT.

The **GREEN.ROLLER classic** — sturdy, safe and well-designed. The rolling element with rounded edges measures 1.2 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 tonnes of working weight per metre of working width. This achieves excellent soil reconsolidation. Particularly high driving comfort is achieved by the centrally arranged surge wall, which prevents the liquid it contains 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 with air brakes or no brakes — you decide which chassis your **GREEN.ROLLER classic** should

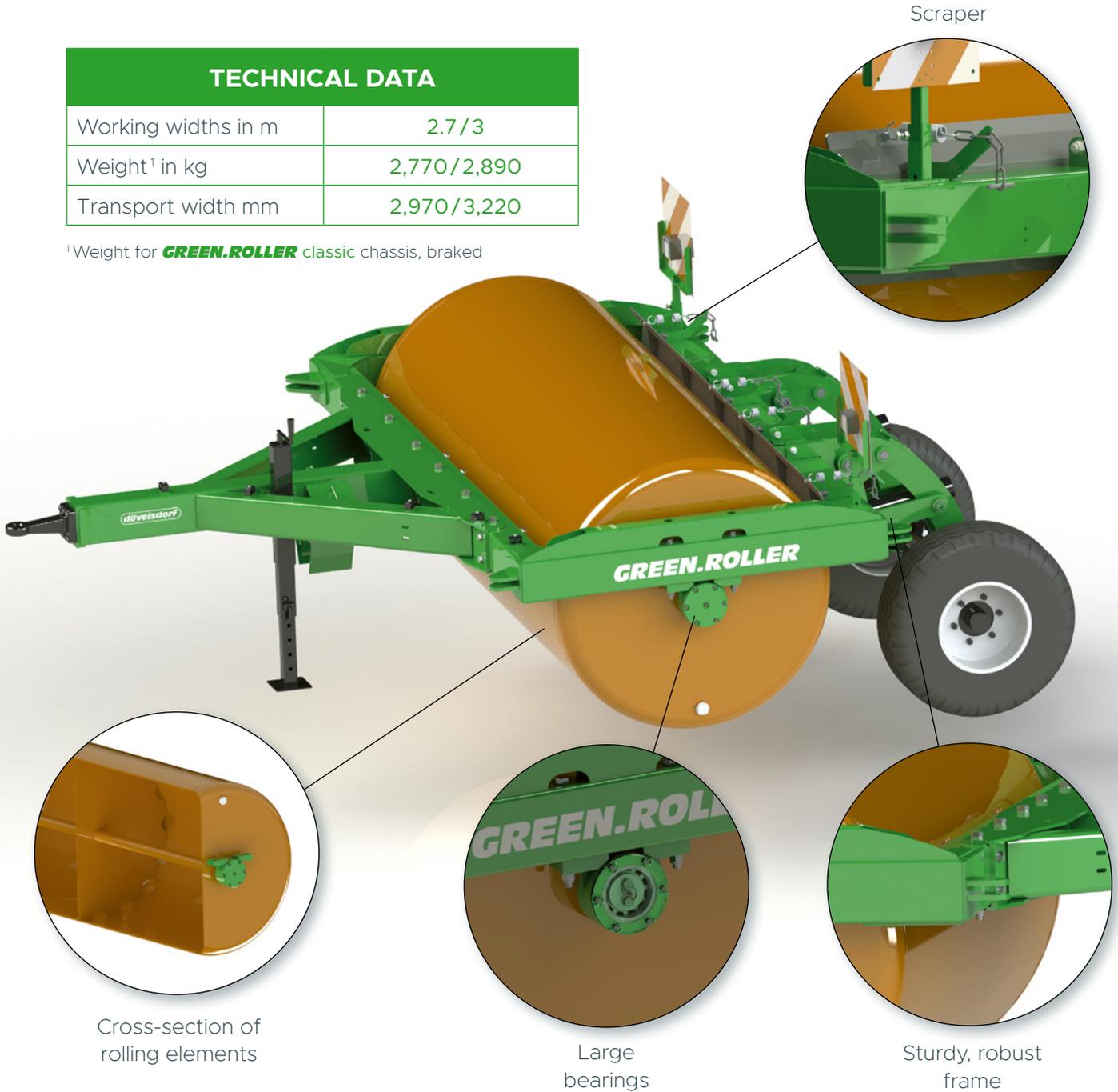
have. The transport width is particularly important for safe road use. The 2.7 m wide roller stays below the 3 m transport width and can therefore be moved on roads without a special permit. A TÜV certificate is also issued for the braked design of 2.7 m. All **GREEN.ROLLER classics** supplied with a chassis as standard are equipped with lighting and hydraulics.

### ADVANTAGES:

- + Roller body can be braked in working position using the compressed air brake system
- + 2.7 m working width under 3 m transport width
- + Chassis can be retrofitted at any time
- + Option to extend to up to a maximum of 3 rollers with coupling cable

TECHNICAL DATA	
Working widths in m	2.7/3
Weight <sup>1</sup> in kg	2,770/2,890
Transport width mm	2,970/3,220

<sup>1</sup>Weight for **GREEN.ROLLER** classic chassis, braked



Scraper

Cross-section of rolling elements

Large bearings

Sturdy, robust frame



### 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.

# The company



QUALITY FROM OUR OWN  
MANUFACTURING OPERATION.



For over 100 years, the company **düvelsdorf** has been developing solutions for agriculture, municipalities and industry. Whether its a sweeper or a roller — our 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 tools for front loader attachments for agricultural, forestry and municipal applications, the extensive product portfolio also includes numerous tools for front and rear hydraulics.

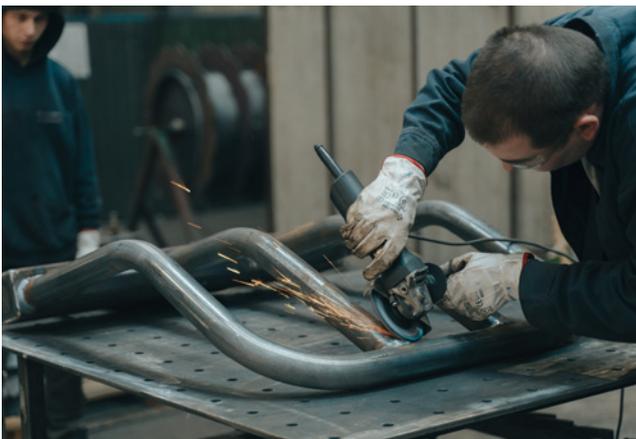
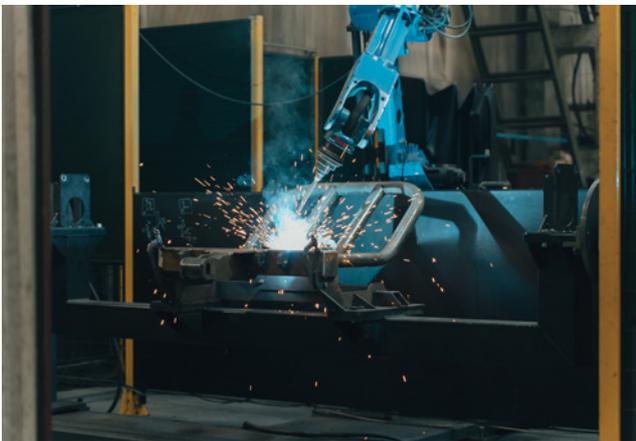
# INSIGHTS INTO THE COMPANY — UKRAINE AND GERMANY:

Thanks to its own factory in Western Ukraine, **düvelsdorf** is able to monitor every production step precisely and thus ensure the highest quality. Specially trained employees take great care in manufacturing the individual machines.

We use only high-quality, functional materials. This lays the foundation for the robust and durable

machines as early as the individual part production stage.

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.



# Machinery and equipment for agriculture and forestry

In addition to products for grassland maintenance **düvelsdorf** offers a wide range of machines for agriculture and forestry. You'll find an overview of the entire product portfolio in the current **düvelsdorf** product catalogue. If interested, please ask your local dealer



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