

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.

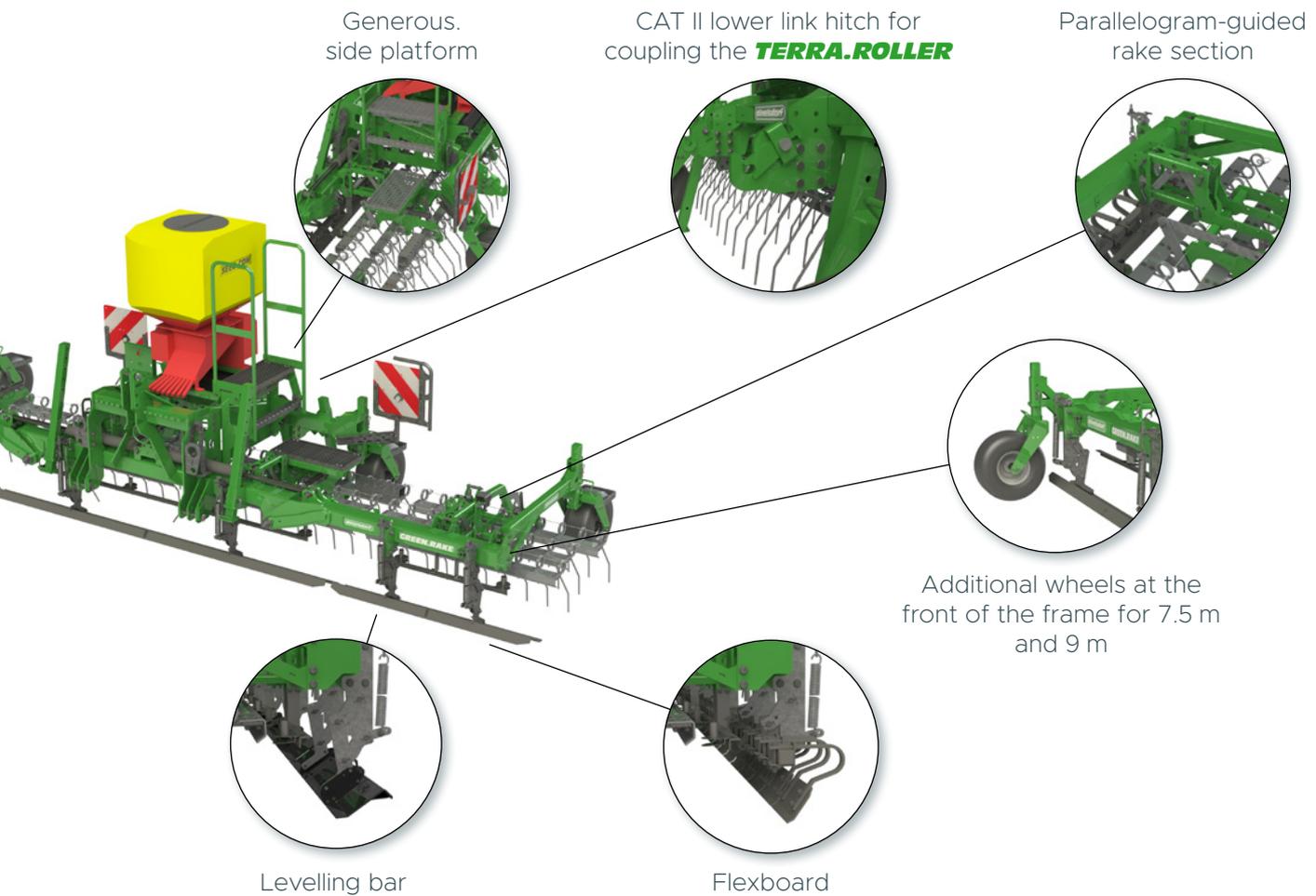
This means that the **GREEN.RAKE expert** can be used both for the maintenance of young grass on sandy, light soils and for the renovation of old turf on hard soils. The attachment is either the three-point CAT II or CAT III, the lighting for road transport is fitted as standard. Thanks to the optional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

	3	6	7.5	9
Working width in m	3	6	7.5	9
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
GREEN.RAKE expert: Aerating/raking out/stimulating/crumbling												
GREEN.RAKE expert with seed device + TERRA.ROLLER: Grassland reseeding/new sowing												
GREEN.RAKE expert with seeder + TERRA.ROLLER: Catch crop seeding												
TERRA.ROLLER: Rolling grassland												
TERRA.ROLLER: Rolling cereals for tilling/rolling seedbeds												
TERRA.ROLLER expert with levelling bar: Levelling and flattening the ground												
TERRA.ROLLER expert with tine attachment: Seedbed preparation/stubble breaking												
TERRA.ROLLER expert with knife roller: Plant stubble shredding (rape, cereals, maize) and catch crops												

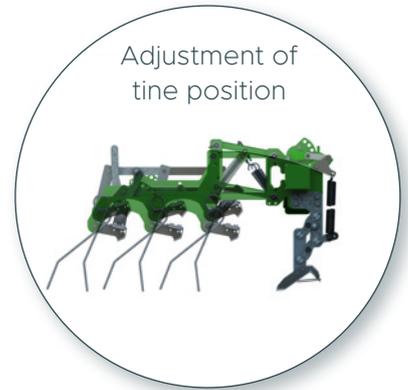
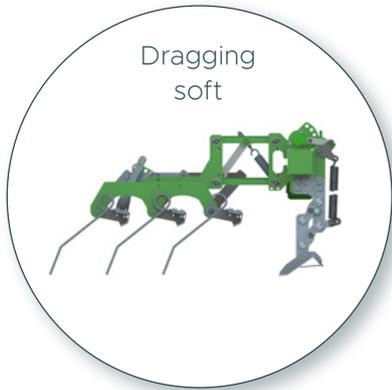
Standard action

Additional actions

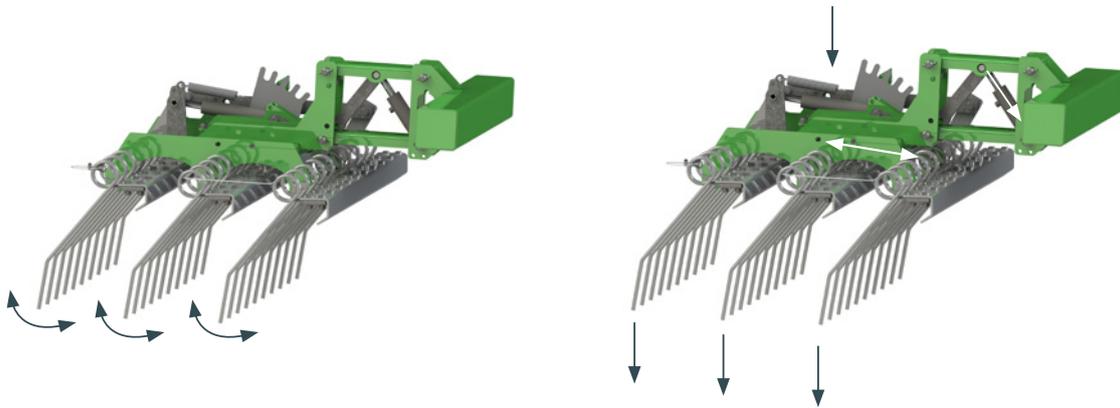
* Recommendation: 5–25 kg seed/grain for reseeding

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 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.



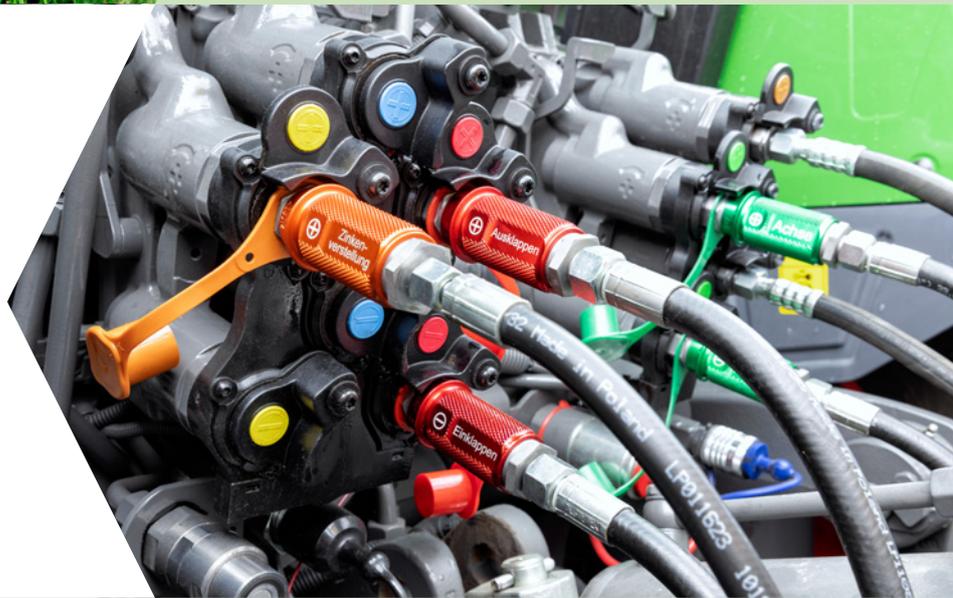
Integrated hectare counter

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.

