

# Cultivators

**TerraMix • TerraFlex • TerraCult • TerraTop**  
**Semi-trailer chassis Terra Lift**



# **Cultivator – The perfect machine for every task**



## **Cultivator work today**

Many agricultural enterprises are constantly increasing their area of activity by leasing additional land or arranging management contracts and they now need effective and efficient soil cultivation methods for universal use.

The four Terra cultivator series from Vogel & Noot provide top work quality under the most difficult of operating conditions and

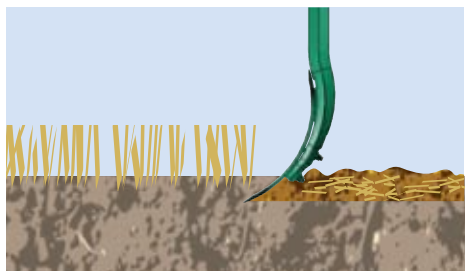
are suitable for highly flexible and universal use all year round.

The optimum coordination of work tools facilitates blanket soil cultivation, crop remains are mixed in intensively and the cultivation horizon is consolidated appropriately. By selecting various share forms and consolidation rollers, you can adapt the machines to cope with the cur-

rent operating situation within a very short space of time. The extensive adjustment range for working depth turns the Terra cultivators into real multi-function units!

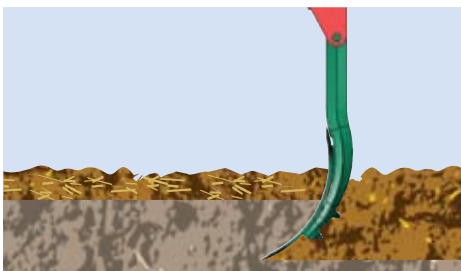
All these features come together for top professional usage, both in conventional and conservation cultivation methods.

## VN cultivator application areas:



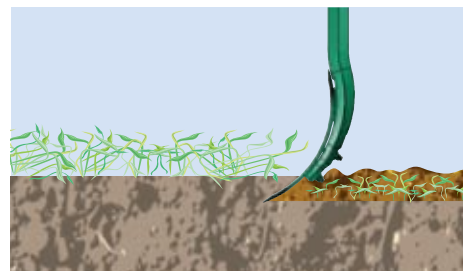
### Shallow stubble cultivation for rapid decomposition

The aim of the initial shallow cultivation of stubble (to a depth of 3 – 8 cm) is to create ideal germination conditions for any spilt grain or weed seeds, and to mix in the crop remains with the soil to begin a rapid straw decomposition process. The accurate depth control of the Terra cultivator ensures that the spilt grain is not pushed down too deep and can emerge evenly.



### Mid-depth stubble cultivation or depth loosening

In order to speed up straw decomposition still further, it is necessary in most locations to carry out intensive, mid-depth mixing of straw remains after 2 - 3 weeks. Deeper soil loosening (15 – 25 cm depth) is needed if there are large quantities of straw, damp harvesting conditions or unstable soil structures.



### Mulch seedbed cultivation in Spring and Autumn

Soil preservation measures and environmental protection programmes promote the cultivation of frost-susceptible catch crops or the use of straw mulch. In order to create the best possible conditions for optimum mulch sowing, shallow seedbed cultivation is often necessary. The focus here is on uniform mixing and precise levelling and consolidation of the cultivation horizon.

## Programme

		TerraMix	TerraFlex	TerraCult	TerraTop
Number of bars		2	3	4	5
Working widths	Rigid	2,50m / 3,00 m / 4,00 m	3,00 m / 4,00 m	3,00 m	–
	Folding	4,00 m / 5,00 m / 6,00 m	4,00 m / 5,00 m	4,00 m / 5,00 m / 6,00 m	4,00 m / 5,00 m / 6,00 / 7,00 / 8,00 m
Line spacing		44 cm	30 cm	22 cm	23 cm
Stump-jump system	Shear bolt	S	S	O	O
	Helical spring	O	O	–	–
	Spring tines	–	–	S	S
Semi-trailer chassis, optional	TerraLift M / S	O / (O)	O / –	(O) / (O)	– / –

Information in brackets ( ) applies with restrictions

S = Series

O = Option

– = not available

## Which cultivator for which type of work?

		TerraMix	TerraFlex	TerraCult	TerraTop
Cultivation process	Plough sowing	+++	+++	+++	++
	Mulch sowing	++	++	+++	+++
Working depth	Shallow	+++	+++	+++	+++
	Deep	+	++	+++	+++
Soil type	Light	+++	+++	+++	+++
	Heavy	+	++	+++	+++
Subsoil loosening		+	++	+++	+++
Mixing effect		++	+++	+++	+++
Low tractor lifting force		+++	++	+	–
Penetration of hard soils		+	++	+++	+++

+++ = optimum

++ = very suitable

+ = less suitable

# TerraMix Wing share cultivator



TerraMix 300 with 500 mm packer roller

## The ideal solution for conventional processes

### Advantages at a glance:

Blockage-free, thanks to extensive beam spacing (80 cm) and high frame (80 cm).

Good mixing in of straw via broad duckfoot share with wing share.

Adjustable angle of attack with wing share guarantees best possible penetration under even the hardest of conditions.

Comes as standard with serrated discs for even straw distribution and levelling of the ground surface.

Optimum stability, thanks to robust frame with 100 x 100 mm cross-section.

Vibration reduction and protection of tractor assembly, thanks to continuous cross-shaft.

Available as 3-point mounting or with TerraLift system semi-trailer chassis.

The 2-beam wing share cultivator can cope with every aspect of the challenges thrown up in conventional soil cultivation. Its optimum construction ensures blockage-free work, excellent crumbling of the soil and the perfect incorporation of crop residues. All cultivators can be combined with various follower rollers.



### Patented hydraulic swing folding system

The hydraulic folding version comes with a unique technical feature - the swing folding system, which combines all the current system features on the market:

- Low transport height, i.e. low centre of gravity and high safety during transportation.
- Centre frame can also be used when folded up; working width approx. 23 m
- Can be compactly and safely put down in the closed state.
- No tensile force placed on folding system, thanks to mechanical locking of outer sections.

# TerraMix standard equipment:

## 2-beam

- Rigid tines with shear bolt; line spacing 44 cm
- Broad duckfoot share 120 mm with single-piece wing share 480 mm (10 mm)
- Edge plates
- Serrated discs
- Continuous cross-shaft
- Selection of rollers (optional)

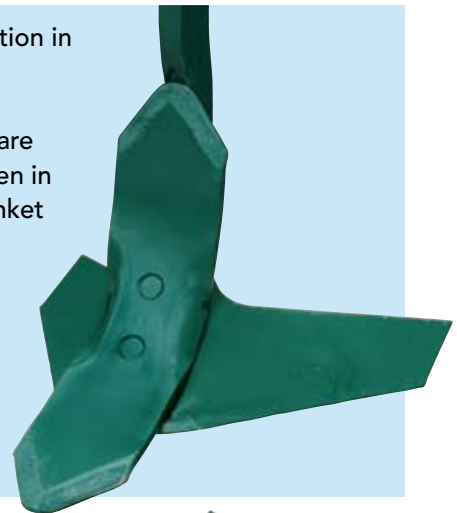


This combination ensures excellent incorporation in lighter soils or at shallower working depths.

The adjustable angle of attack of the wing share guarantees the best possible penetration, even in hard soils, and allows particularly shallow blanket cultivation.

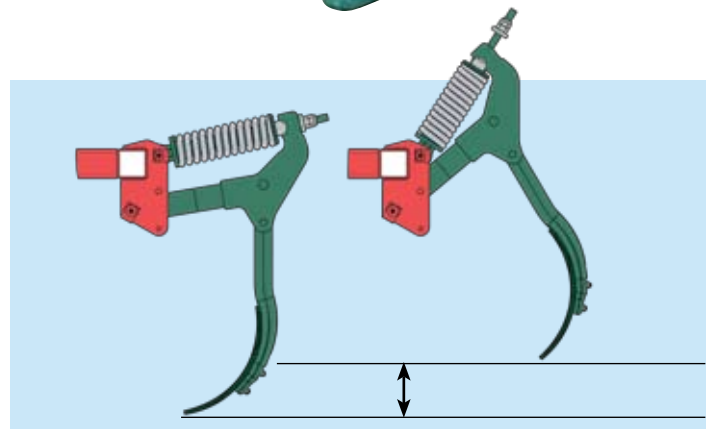
For further share variations and the patented quick-release system MultiQuick, see pages 16 + 17.

See page 19 for roller options.



## Non-stop design: Stump-jump system with helical spring (optional)

The optional non-stop stump-jump system comprises a release feature that leaves stones in the ground. For extreme conditions, a helical spring is available to increase the release force, with an additional inner spring.



## Front attachment (optional)

For working widths of 3 m or 4 m, the TerraMix cultivator is also available as an independent front attachment model. **Advantages:**

- Use of front attachment space for better tractor utilisation.
- Protection of following combination units, E.G. rotary harrow, when moving through loosened soil.
- Improved seedbed preparation through combined cultivation in a single pass through pre-loosened and pre-crumbled soil. Depth control via 2 x pneumatic support wheels (dimensions 185/60 R15), fine adjustment with perforated plate and pins.

# TerraFlex Universal cultivator



TerraFlex 400, foldable with non-stop stump-jump system with additional spring and Terrapak roller

## Excellent work with low lifting force requirement

### Advantages at a glance:

Very fine soil break-up and good crumbling via small line spacing (approx. 30 cm).

This ensures blanket cultivation at any working depth.

The compact construction minimises the lifting force requirement for the tractor.

Largely free from blockages, thanks to 70 cm beam spacing and 80 cm frame height.

Adjustable angle of attack with wing share (330 mm as standard) guarantees best possible penetration under even the hardest of conditions.

Comes as standard with sprung serrated discs for even straw distribution and levelling of the ground surface.

Comes as standard with edge plates for precise edge preparation without ridges.

The advantages of the 3-beam construction are clear to see: With an even smaller line spacing than the 2-beam version, soil break-up is even finer with better crumbling. The 3-beam unit also has a very compact construction, which minimises lifting force requirements and allows you to use the 3-beam TerraFlex with lighter tractors.



### Proven hydraulic package folding system

The hydraulic folding cultivator TerraFlex Hydro comes equipped with our proven package folding system. Special features:

- Also suitable for lighter tractors, thanks to compact, lightweight construction.
- Low transport height with low centre of gravity for high transportation safety.
- Centre frame can also be used when folded up; working width 2.60 m
- Can be compactly and safely put down in the closed state.
- Perfect lifting through hydraulic locking of frame elements

## TerraFlex standard equipment:

### 3-beam

- Rigid tines with shear bolt; line spacing 30 cm
- Diamond-crossing share with single-piece wing share 330 mm (10 mm thick)
- Edge plates
- Serrated discs
- Continuous cross-shaft
- Selection of rollers (optional)



This combination is suitable both for mid-depth cultivation of heavy soils and shallow mulch seedbed cultivation. The adjustable angle of attack of the wing share guarantees the best possible penetration, even in hard soils. Guide plates on the tines in the first row improve the soil flow.

Also available as non-stop version with helical spring stump-jump system (see Terra-Mix)

For further share variations and the patented quick-release system MultiQuick, see pages 16 + 17.

See page 19 for roller options.



# TerraCult Multifunctional mulch / precision cultivator



TerraCult 400, foldable, with standard helical-sprung tines and Terrapak roller

## Ideal for conservation soil cultivation

### Advantages at a glance:

Universal application with various share forms, e.g. wing shares for very shallow, blanket cultivation or narrow shares for deep working.

Excellent consolidation for rapid emergence of spilt grains or weed seeds with blockage-free rollers.

Ideally suitable for both conventional cultivator work and as part of conservation soil cultivation.

No blockages, thanks to C-shaped helical-sprung tines with an excellent self-cleaning effect – also suitable for use in stony soils.

Best work results: Uniform incorporation – good loosening – fine crumbling – uniform levelling, even over difficult terrain.

The flagship of the Terra cultivator range is the 4-beam TerraCult. It proves its worth through its superb work quality and, thanks to its broad selection of shares and rollers, it is equally suitable for shallow stubble cultivation, mulch seedbed cultivation or deep horizon-based loosening. The standard C-shaped helical-sprung tines with excellent self-cleaning effect and integrated stump-jump system enable universal usage in many soils. It remains blockage-free, even if there are large quantities of straw, and guarantees blanket cultivation with optimum incorporation.



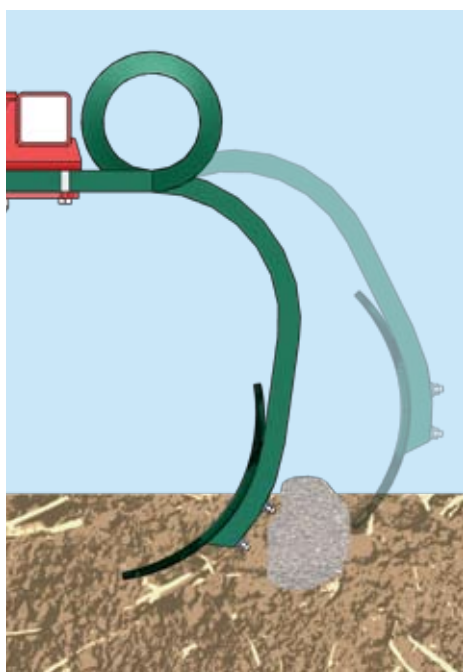
### Patented hydraulic swing folding system

The hydraulic folding version comes with a unique technical feature - the swing folding system, which combines all the current system features on the market. For more details, see the TerraMix description on page 4.

# TerraCult standard equipment:

## 4-beam

- Helical-sprung tines with 40 mm cross-section; line spacing 22 cm
- Diamond-crossing shares
- Edge plates
- Serrated discs
- Continuous cross-shaft
- Selection of rollers (optional)



The VN TerraCult is available as standard with helical-sprung tines with a 40 mm cross-section.

### Advantages:

- Excellent soil flow and mixing effect, thanks to C-shape
- Vibrating operation creates self-cleaning effect, prevents blockages and facilitates penetration in hard soils
- Integrated stump-jump function
- Optimum incorporation and fine soil break-up, thanks to fine line spacing (22 cm)
- Combination with an optional wing share 270 mm (10 mm) guarantees perfect work, even for shallow settings.

Also available in a lighter design with rigid tines with shear bolt overload protection.

For further share variations and the patented quick-release system MultiQuick, see page 16 + 17.

For roller options, see page 19.



# TerraLift – system-type semi-trailer chassis



TerraLiftM with TerraFlex 500 and Terrapak rollers

## Protects the tractor and allows for machine combinations

The semi-trailer chassis TerraLift is used if the tractor is too light for 3-point mounting or needs to be protected. Using Terra Lift S, you can combine further work stages with cultivation work, e.g. sowing technology.

TerraLift M is a particularly light and economical solution.

TerraLift S is extremely stable and also forms the basis for combination with sowing technology for mulch sowing.

Thanks to the system construction, the TerraLift semi-trailer chassis is suitable for universal application, retaining the option of using the machine in a 3-point mounting.

A further feature is high safety during road transportation.

Areas of application for the TerraLift system-type semi-trailer chassis:	TerraLift M	TerraLift S
TerraMix Hydro wing share cultivator	○	○ (only 6 m)
TerraFlex Hydro universal cultivator	○	–
TerraCult Hydro mulch cultivator	○ (4 m + 5 m)	○ (as of 5 m)
TerraDisc Hydro compact-disc harrow	○	○ (only 6 m)





TerraLift S with TerraCult 600 and Terrapak rollers

## Features in detail

### TerraLift M

- Load-carrying construction with forming tube 100 x 100 mm
- Wheels 400/60 – 15.5 (diameter 875 mm, width 400 mm)
- Running axle with rigid track width, external width 2.60 m
- Tow drawbar with height adjustment option and cat. III lower connecting arms axle

### TerraLift S

- Stable carrier frame 150 x 150 mm (at rear 2x 150 x 100 mm)
- High-volume tyres 500/50 R17 (diameter 930 mm, width 500 mm)
- Running axle with adjustable track width
- Tow drawbar with height adjustment option and cat. III lower connecting arms axle
- Optional parallel-guided rear three-point linkage for combining with seed drills or other trailing implements



Optional: hydraulic hitch for TerraLift S



# TerraTop M powerful compact semi-mounted cultivator



TerraTop M 600 with spiral spring tines and rubber tapered ring roller as standard

## Highly efficient for conservational soil cultivation

### Advantages at a glance:

Universal application with various share types, e.g. wing shares for very shallow, blanket cultivation or narrow shares for deep working.

Unrivalled choice of rollers in this size class.

Sprung serrated discs as standard for even straw distribution and levelling of the ground surface.

Serrated discs adapt automatically when the working depth is adjusted.

Optimum soil flow, thanks to C-shaped spiral spring tines with an excellent self-cleaning effect – also suitable for use in stony soils.

Best results: uniform incorporation, good loosening, fine crumbling and uniform levelling even with heavy soils.

With the new VN semi-mounted cultivator, TerraTop M, cultivating is really fun. Its high efficiency means that it is the ideal implement for the professional farmer who values high coverage and outstanding quality of work. The chassis, which is built directly around the work tools means that the Terra Top M is also particularly compact and maneuverable. It remains blockage-free, even if there are large quantities of straw. The standard C-spiral tines enable universal usage in many soils thanks to the best self-cleaning effect and integrated stump-jump system. The combination of efficiency and perfect incorporation of crop remains, thanks to the intelligent frame design, make the TerraTop M particularly suitable for conservational soil cultivation.



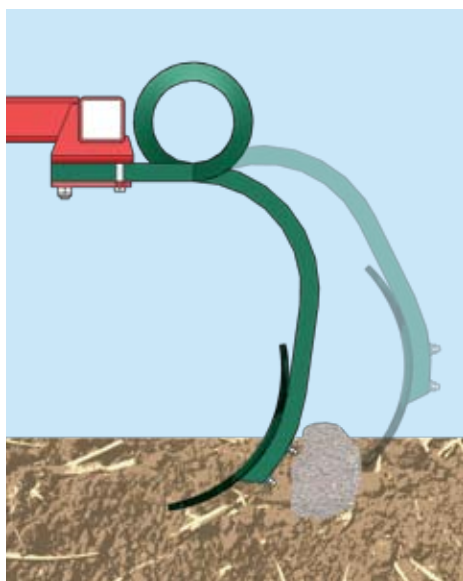
### Compact folding system for road transport

The TerraTop M can be folded into two parts for road transport. Its compact and simple design mean that this folding system is amongst the lightest on the market.

## TerraTop M standard equipment:

### 5-beam

- Spiral spring tines with 40 mm cross section
- Diamond-crossing shares
- Edge panels
- Serrated discs
- Roller (optional)
- Two depth wheels
- Integrated semi-trailer chassis with large-volume tyres 500/50-22.5



### Spiral spring tines 40 mm

- Excellent soil flow and mixing effect, thanks to C-shape
- Vibrating operation creates self-cleaning effect, prevents blockages and facilitates penetration
- Integrated stump-jump function
- Optimum incorporation and fine soil break-up, thanks to fine line spacing (22 cm)
- Perfect results, even for shallow settings, through combination with wing share 270 mm (optional)
- Clamped tine holder for flexible tool use
- Also available with rigid tines with shearbolt overload protection.

For further share variations and the patented quick-release system MultiQuick, see pages 16 + 17.

For roller options, see page 19.



Comes with diamond-crossing shares as standard



### Depth adjustment (applies to TerraTop M and S)

The convenient depth adjustment with folding limiting elements allows for fine adjustment and is extremely user-friendly. The adjustment can be made from the outside which means that it is no longer necessary to "climb into" the implement. The depth adjustment is carried out once for each segment width.



# TerraTop S high-performance semi-mounted cultivator for top market segment



TerraTop 800 S with spiral spring tines and rubber tapered ring roller as standard

## The top of the range for maximum coverage

### Advantages at a glance:

Sprung serrated discs as standard for even straw distribution and levelling of the ground surface.

Universal application thanks to different share types: e.g. wing shares for very shallow blanket cultivation or narrow shares for deep cultivation.

Optimum soil flow, thanks to C-shaped spiral spring tines with an excellent self-cleaning effect – also suitable for use in stony soils.

Best results: uniform incorporation, good loosening, fine crumbling and uniform levelling even with heavy soils.

Unrivalled choice of rollers in this size class.

Serrated discs adapt automatically when the working depth is adjusted.

Anyone who values high performance in cultivation work will be best served by the TerraTop S. This extremely stable large-area cultivator is not only impressive because of its maximum coverage, but also thanks to the outstanding quality of work it produces. The entire design is configured to meet maximum requirements in a wide range of different conditions. It is characterised by blockage-free work, uniform incorporation, perfect crumbling and best-quality levelling. The TerraTop S is the high-end implement for large professional farms.



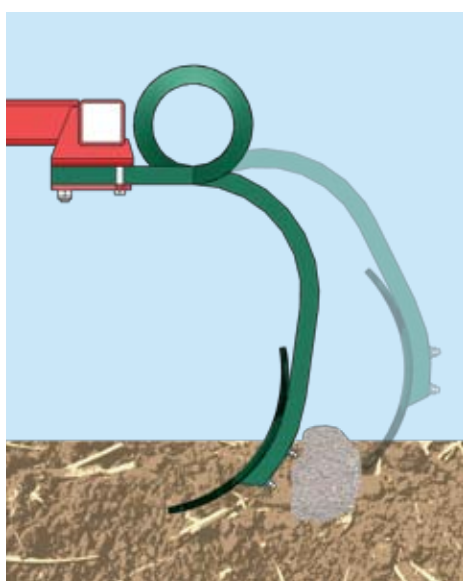
### Three-part folding for low transport height

The TerraTop S can be folded into three parts for road transport. This enables the transport height to be improved for large working widths.

## TerraTop S standard equipment:

### 5-beam

- Spiral spring tines with 40 mm cross section
- Diamond-crossing shares
- Edge panels
- Serrated discs
- Roller (optional)
- Four depth wheels
- Integrated semi-trailer chassis with large-volume tyres 560/45-22.5



### Spiral spring tines 40 mm

- Excellent soil flow and mixing effect thanks to C-shape
- Vibrating operation creates self-cleaning effect, prevents blockages and facilitates penetration
- Integrated stump-jump function
- Optimum incorporation and fine soil break-up, thanks to fine line spacing (22 cm)
- Perfect results, even for shallow settings, through combination with wing share 270 mm (optional)
- Clamped tine holder for flexible tool use
- Also available with rigid tines with shearbolt overload protection

For further share variations and the patented quick-release system MultiQuick, see page 16 + 17.

Roller options can be found on page 19.



Comes with diamond-crossing shares as standard

## Drawbar versions (applies to TerraTop M and S)



**Lower connecting rod mounting:**  
Cat. III or IV-N standard with rigid drawbar, also optionally available with hydraulic drawbar.



**Drawbar attachment:**  
Towing eye for bolts  $\varnothing$  38 or 50 mm



**Hydraulic drawbar activation:**  
Coupled to the lifting of the chassis, this ensures automatic stepwise lifting and lowering of the implement at the headland. Available as standard with hydraulic drawbar activation and optionally with lower connecting rod mounting for an extra charge.

# Shares – versatile and wear-resistant



## The perfect share for every application

One outstanding feature of the Terra cultivators is their flexibility in terms of work tools. All machines can be equipped easily with a variety of share forms, enabling optimum adjustment for whatever requirements you have.

### Wing shares – can be combined with all 5 shares:

For blanket soil cultivation, particularly for shallow work. Screw-on designs for tines with height adjustment option, enabling adjustment of penetration angle and improving penetration into hard soils. Various widths (270 mm, 330 mm, 480 mm), adapted to the line spacing of the individual cultivator.



## 5 different share forms



**Broad duckfoot share / MultiQuick broad tip 120 mm:**

Excellent incorporation in free-flowing soils and at low working depths, as soil can be lifted well to the surface.



**Broad duckfoot share (reversible share) 100 mm:**

Features as with the 120 mm model, but adapted to the smaller line spacing of the VN TerraCult.



**Double heart share / MultiQuick heart tip:**

Excellent penetration into hard soils and outstanding crumbling in heavy conditions. Ideal for mid-depth work.



**MultiQuick narrow tip 80 mm:**

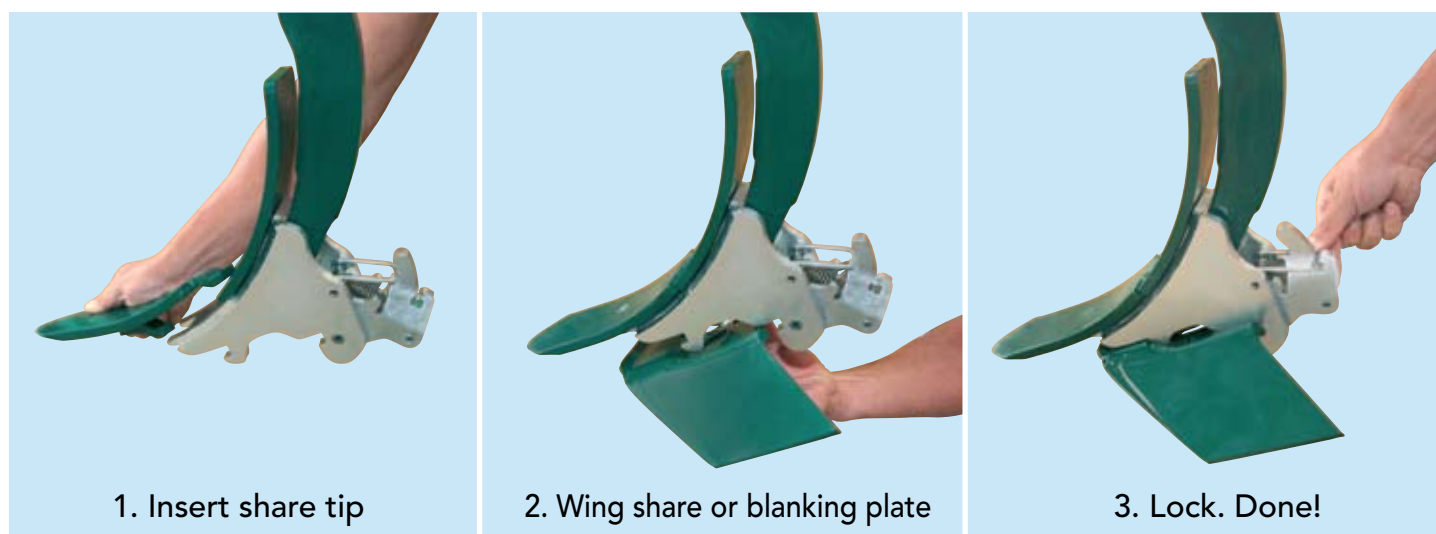
For heavy and hard conditions, as well as deep loosening.



**Share with cutting plate:**

Supports crumbling in heavy soils through additional fragmentation of clods.

# MultiQuick – patented quick-release system



## Nothing changes faster

**MultiQuick is unique!** The patented quick-release system allows you to quickly change both **wing shares** and **share tips**. MultiQuick enables wearing parts to be released in seconds without the need for any tools (in trial run, share tip and tines changed in less than 5 seconds).

Quick conversion of all the working tools makes your cultivator even more flexible to use, e.g. shallow blanket cultivation with wing share, mid-depth with broad tip and deep with narrow share tip. The recipient of many awards, the MultiQuick system can be installed on all Vogel & Noot cultivators (even on older models).

Basic element  
+ blanking plate



Narrow tip 80 mm



Broad tip 120 mm



Heart tip



Wing share 270 mm



Wing share 330 mm



Wing share 480 mm



Share overview		TerraMix	TerraFlex	TerraCult	TerraTop
<b>Standard (screw-on):</b>					
Broad duckfoot share	120 mm	S	O	–	–
Broad duckfoot share with cutting plate	120 mm	O	O	–	–
Broad duckfoot share	100 mm	–	–	O	O
Double heart share		O	S	S	S
Double heart share with cutting plate		O	O	O	O
Wing share	480 mm	S	–	–	–
Wing share	330 mm	–	S	–	–
Wing share	270 mm	–	–	O	O
<b>VN MultiQuick quick-release system</b>					
MultiQuick heart tip		O	O	O	O
MultiQuick narrow tip	80 mm	–	O	O	O
MultiQuick broad tip	120 mm	O	O	–	–
MultiQuick wing share	480 mm	O	–	–	–
MultiQuick wing share	330 mm	–	O	–	–
MultiQuick wing share	270 mm	–	–	O	O

Table key: S = standard equipment; O = option

## Special features of the MultiQuick system:

**UNIQUE:** Tool-free release or conversion of wing shares AND share tips.

Universal application for various cultivation depths, thanks to quick release.

Option of combining various forms and widths for share tips (80 - 120 mm) and wing shares (270 - 480 mm).

Tool-free conversion, trouble-free even with very dirty parts.

Screw joint between cultivator handle and wearing part adapter can be tightened without having to dismantle the wearing parts.

Quick-release wearing parts are no more expensive than the comparable screw-on models.

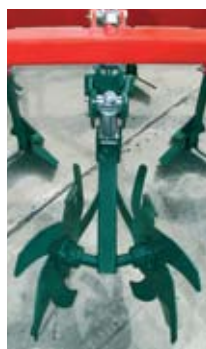
# Quality in every detail



## Serrated discs

All cultivators in the Terra range are equipped as standard with serrated discs for the incorporation of straw and to level the tine lines. These offer many advantages in comparison to the widely used concave discs:

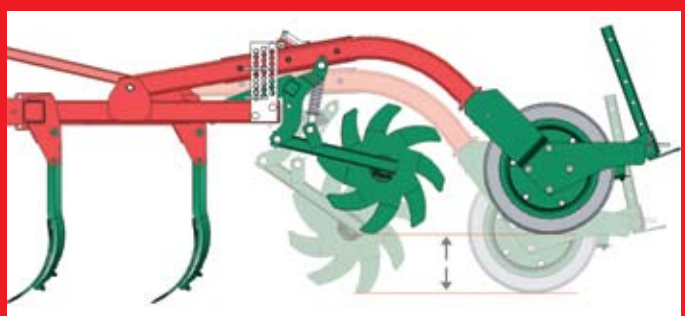
- The notched external contours ensure that levelling is much more uniform and make the discs less sensitive in terms of height setting.
- The fan-shaped notches mix crop residues better than discs.
- The serrated discs come with helical springs as standard. The standard stump-jump system also improves levelling and incorporation, as the spring pressure always ensure optimum soil contact and perfect adjustment to soil unevenness.



## Unique ease of adjustment:

The ease of adjustment for serrated discs is available in this combination only for Terra cultivators:

- During depth adjustment for the implement, the serrated discs are adjusted automatically and 100% at the same time.
- Additional option: infinitely variable subsequent correction of height.



## Edge plates

The cultivators in the Terra range are equipped as standard with edge plates that ensure a clean connection between the individual working widths when travelling to and fro. **Advantages in comparison to normal edge discs:**

- Edge plates prevent the soil being thrown out beyond the working width of the implement, as they work directly next to the outermost notches. In contrast, edge discs have to collect up the soil that is thrown out, making the work results dependent on the working speed. However, with edge plates, the work quality remains constantly high and is not dependent on working speed.
- With 3-metre implements, the edge plates can be folded up very easily. (transport width < 3 m)

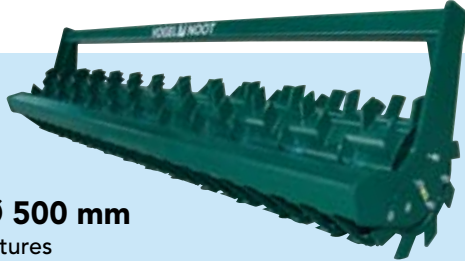
The edge plates on Terra cultivators can be adjusted to any height and tilt and are also sprung to provide protection against overload.



# Rollers for all conditions

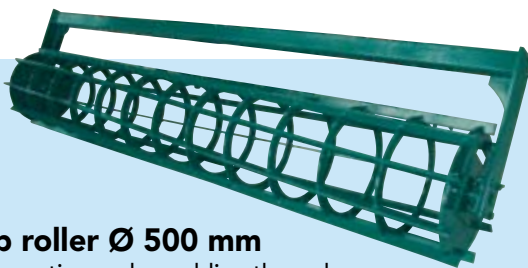
The selection of follower rollers influences the entire working method and application characteristics of the cultivator. VN offers the right roller for every application. For combination options for the individual rollers and Terra cultivators, see the technical overview on pages 22 - 24.

All rollers can optionally also be retrofitted with a tracking tine (see page 21).



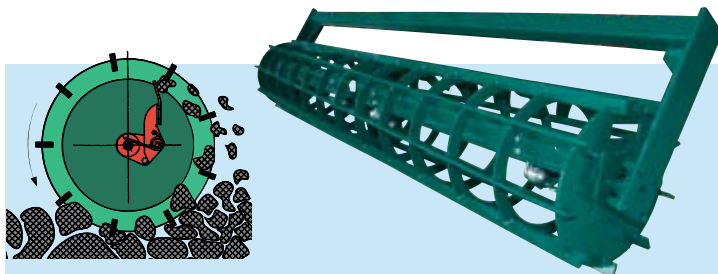
## Packer roller Ø 500 mm

- Good all-round features
- Particularly clog-resistant, thanks to scraper
- Tough in stony conditions
- Excellent ground drive with individually welded teeth
- Lighter than Terrapak or rubber tapered ring roller



## Shallow-web roller Ø 500 mm

- Excellent incorporation and crumbling through open generated surface
- Leaves behind an open soil structure
- Lightweight



## Terraclean scraper roller Ø 500 mm

Same construction and features as shallow-web roller, but with unique internal scraper system:

- Blockage-free, i.e. no delays if soil conditions are damp, as the roller interior does not clog when using Terraclean rollers
- Particularly suitable for efficient industry-wide use
- Work does not have to be interrupted during light rain



## Tapered drum roller Ø 660 mm

- High load capacity in light soils – optimal in combination with TerraLift
- Also very good ground drive in light, sandy soils
- Not affected by stones – including sharp-edged or long ones
- High reconsolidation effect
- Grooved reconsolidation – optimal for subsequent mulch sowing



## Tire packer roller Ø 630 mm

- High load capacity in light soils, the roller does not "sink"
- Very good ground drive thanks to angular shoulder profile, high degree of operational reliability
- Reconsolidation in distinct strips
- Highly suitable for subsequent mulch sowing
- No risk of blockages by stones



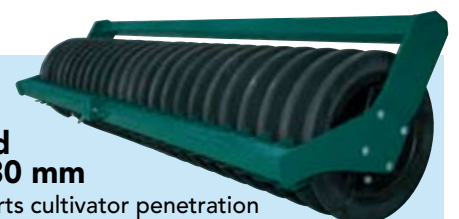
## Terrapak tapered ring roller Ø 600 mm

- Ensures perfect levelling, compresses and closes soil. This helps the decomposition of spilt grains and prevents unwanted evaporation
- The runners between the rings are height-adjustable and thus support the consolidation intensity, depending on their setting. They also provide reliable cleaning of the rollers, regardless of the height setting
- Particularly suitable for subsequent mulch sowing



## TerraPak II tapered ring roller Ø 600 mm

- Perfect work results with outstanding reconsolidation, crumbling and levelling
- Better ground drive in light conditions
- Greater stability with continuous central pipe and five accumulators
- Improved ease of adjustment of the scraper bar thanks to adjustment using only one spindle



## Rubber tapered ring roller Ø 580 mm

- High weight supports cultivator penetration
- Leaves behind an intensive grooved surface with consolidation in line form.
- Excellent self-cleaning, due to the flexible properties of the rubber and a scraper bar
- Highly suitable for subsequent mulch sowing

# Accessories

## Depth wheels



**DM 500 iron** (500 x 185 mm wide)



**DM 600 rubber** (600 x 220 mm wide)



**DM 680 rubber** (680 x 250 mm wide)

Depth wheels improve precise depth guidance, particularly over larger working widths. The height of the VN depth wheels can be adjusted using a spindle – easily, smoothly and efficiently. They are not absolutely vital up to a working width of 4 m, but we recommend their use for working widths of 5 m and 6 m. There is a choice of three wheel sizes in the TerraMix, TerraFlex and TerraCult series and two sizes for the TerraTop models.



**TerraTop depth wheels at front**  
**10,0/75-15,3** (ø 770 x 250 mm wide)



**TerraTop depth wheels at front**  
**13,0/55-16** (ø 770 x 330 mm wide)

## Exactor hopper

The VN seed hopper is a catch-crop sowing implement for widespread seed dispersal and can be attached to any Terra cultivator with a working width of 2.50 m or 3.0 m. All catch crops and their mixtures can be planted using the feed wheel system. The specially shaped distribution impact plates ensure that the seeds are distributed evenly – either in front of or behind the follower roller. The high discharge tapers in the hopper ensure precise planting, even on sloping ground.

### Technical information:

- Hopper content approx. 200 l (2.50 m)/approx. 230 l (3.00 m)
- Vision panel in hopper
- For all seed types and granulated manure
- Adjustable mounting brackets
- Ground drive or tail wheel drive (depending on roller type)
- Plastic cassette
- Seeding unit spacing 36 cm
- Agitator shaft available upon request at extra charge



## Rotodrill rotary spreader

The Rotodrill rotary spreader is the ideal tool for simplifying your work. Using the Rotodrill, you can combine work processes, e.g. widespread dispersion of granulates (such as catch crops, grass seeds, undersown crops or slug pellets) during cultivation work. The Rotodrill can be mounted anywhere: universal application on all soil cultivation machines, or directly on the tractor (front or rear), car or mini-tractor.

A 12-volt connection is needed for operation. The working width and dispersal characteristics can be adapted to relevant requirements using infinitely variable speed regulation via the control module and top-quality guide plates.

### Technical information:

- Seed holder: plastic container that holds 105 l, with cover lid to protect against dirt and rainwater, working width 4 to 24 m (6 m for grass)
- Electrical spreader disc with adjustable Z throwing shovel
- Control module with bracket for mounting in driver's cabin
- Complete cabling
- Residue discharge opening
- Sieve for foreign bodies
- Guide plates
- Adapter sleeve to extend agitator for grasses
- Unladen weight 25 kg



## Lighting

The panels are fixed onto the frame and must not be removed, unplugged or removed when folding devices. Connection via 7-pole standard plug.

### Technical information:

- Reflective warning panels at front + rear
- Running lights at front and function lights at rear
- Orange reflector on side.



## Tracking tine for rollers

For optimal straw alignment and to prevent rapid weed growth, all rollers are also available with a tracking tine. The strong 12 mm tines can be adjusted in terms of height and angle and are 125 mm apart (not possible with TerraLift semi-trailer chassis).



# Cultivators – Technical Data



		TerraMix					
Key data		250	300	400	400 Hydro	500 Hydro	600 Hydro
Working width	cm	250	300	400	400	500	600
No. of tines		6	7	9	9	11	13
Line spacing	cm	42	42	44	45	45	45
Frame height	cm	80					
Beam spacing	cm	80					
Frame tube	mm	100 x 100					
Transport width	cm	257	299	398	297		
Max. width *	cm	287	331	431	445	536	626
Weight							
without roller	kg	730	795	1095	1380	1540	1730
with packer roller 500	kg	---	1230	1700	---	---	---
with cage roller 500	kg	960	1050	1490	---	---	---
with Terraclean roller 500	kg	990	1090	1560	1840	2120	2430
with tapered tube roller 660	kg	---	1425	1995	2460	2760	3125
with tire packer roller	kg	---	1300	1815	2160	2435	2790
with Terrapak roller 600 (only for mounted implements)	kg	1190	1330	1860	2210	2490	2850
with Terrapak II roller 600 (only for semi-mounted implements)	kg	---	---	---	2380	2665	3015
with rubber tapered ring roller 580	kg	---	1380	1930	2280	2580	2950
Extra weight NON STOP stump-jump system	kg	192	224	288	288	352	416
Minimum weight shear bolts instead of helical-sprung tines 40 x 40	kg	---	---	---	---	---	---
TerraLift chassis M	kg	---	---	---	850	850	850
TerraLift chassis S	kg	---	---	---	---	---	1600
Performance **	kW (HP)	59-88 (80-120)	74-110 (100-150)	96-140 (130-190)	96-140 (130-190)	110-162 (150-220)	132-184 (180-250)

\* Edge plates not swung in      \*\* maximum allowable



		TerraFlex				TerraCult			
300 Front	400 Front	300	400	400 Hydro	500 Hydro	300	400 Hydro	500 Hydro	600 Hydro
300	400	300	400	400	500	300	400	500	600
7	9	10	13	13	16	13	17	21	25
42	44	30	31	31	31	22	23	23	23
		80				80			
		70				65			
		100 x 100				100 x 100			
299	398	298	398	299		298	295		
331	431	333	431	440	540	332	450	540	640
785	1050	970	1330	1540	1860	1250	2390	2820	3150
---	---	1410	1935	---	---	1690	---	---	---
---	---	1220	1725	---	---	1510	---	---	---
---	---	1260	1795	2000	2440	1550	2850	3400	3850
---	---	1600	2230	2620	3080	1880	3470	4040	4545
---	---	1480	2050	2320	2755	1755	3170	3715	4210
---	---	1500	2095	2370	2810	1780	3220	3770	4270
---	---	---	---	2540	2985	---	3390	3945	4435
---	---	1550	2165	2440	2900	1830	3290	3860	4370
---	---	320	416	416	512	---	---	---	---
---	---	---	---	---	---	-260	-340	-420	-500
---	---	---	---	850	850	---	850	850	---
---	---	---	---	---	---	---	---	1600	1600
74-110 (100-150)	96-140 (130-190)	74-118 (100-160)	103-155 (140-210)	103-155 (140-210)	118-176 (160-240)	81-125 (110-170)	110-170 (150-230)	132-191 (180-260)	162-220 (220-300)

All illustrations and data are non-binding. Subject to change without prior notice.

# Cultivators – Technical Data



		TerraTop					
Key data		M 400	M 500	M 600	S 600	S 700	S 800
Working width	cm	400	500	600	600	685	780
No. of tines		17	21	25	25	29	33
Line spacing	cm	23			23		
Frame height	cm	83			83		
Beam spacing	cm	80			74-85		
Frame tube	mm	120 x 120			120 x 120		
Transport width	cm	298			298		
Wheel dimension	Ø	500/50-22,5				560/45-22,5	
Max. width *	cm	455	550	645	645	740	835
Weight							
without roller	kg	4980	5510	5920	7480	8560	9540
with tapered tube roller 660	kg	5880	6600	7180	8875	10090	11320
with tire packer roller	kg	5660	6370	6940	8530	8720	10880
with Terrapak II roller 600	kg	5800	6560	7080	8765	9970	11180
with rubber tapered ring roller 580	kg	5820	6550	7120	8775	9980	11190
Minimum weight shear bolts instead of helical-sprung tines 40 x 40	kg	-340	-420	-500	-500	-580	-660
Performance **	kW (HP)	110-185 (150-250)	132-220 (180-300)	162-257 (220-350)	184-330 (250-450)	220-390 (300-530)	257-441 (350-600)

\* Edge plates not swung in    \*\* maximum allowable    All illustrations and data are non-binding. Subject to change without prior notice.



# Proven quality

The high quality of Terra cultivators has been proven in test reports. The most important results are summarised below.

## profi: test drive of VN TerraTop S 800 (edition 7/2009)



### Results:

- Beam spacing and underbeam clearance ideal for large crop remains
- Intensive processing and mixing thanks to 23 cm line spacing
- Fast, tool-free assembly of share wings and tips
- Spring-secured serrated discs that are not affected by speed
- Fine setting of work depth using spindle with easily visible scale
- Good penetration, good incorporation, good reconsolidation, level surface

**In summary:** an uncompromising semi-mounted cultivator. Well thought out. Good processing.

## Der Fortschrittliche Landwirt: Practical test with VN TerraFlex 500 (issue 12/2009)



### Results:

- a stable all-rounder with low requirements
- Broad range of applications for conventional and conservational soil cultivation
- Compact and safe for road transport thanks to hydraulic package folding system
- Good mixing, unsusceptible to blockages, good levelling
- Clean connection thanks to adjustable edge panels
- Low maintenance requirements

**In summary:** a stable all-rounder that is easy to pull. Different combinations of shares and rollers possible.

## dlz: endurance test with VN TerraCult 500 (edition 3/2009)



### Results:

- fine line spacing for fine soil break-up and intensive mixing
- Low risk of blockages even with larger quantities of organic remains
- Maintenance-free, vibrating C-shaped helical springs reduce power requirement
- Convenient Multiquick system for rapid changing of share wings and tips
- Intelligent folding mechanism for low centre of gravity during road transport
- Precise depth control with automatic readjustment of disc carrier

**In summary:** attractive, robust and low-maintenance cultivator which provides good results.

# References

## Walter Mang

Mang farm  
Wappoltenreith, Austria  
**Area of farm: 150 ha**



From left: Walter Mang with his son Pauli, Franz Wittmann (VN), Robert Steinböck (TC Horn), Karl Paller (VN)

The main crops grown by Mr. Mang are winter wheat, rye and rape. Spring barley, oats and triticale are also grown.

"I have already been using the VN-TerraCult 500 for five years with complete satisfaction. For us, the cultivator is a year-round implement. The VN-TerraCult has served me very well for the incorporation of winter growth, for stubble incorporation, for deep loosening, but also for seedbed preparation", explains Mr. Mang.

He continues: "The fine line spacing of 22 cm, distributed across four beams, ensures fine soil break-up. The centrally adjustable serrated discs perform levelling and the tapered ring roller ensures perfect soil consolidation. Particularly advantageous at our location in Messern is the good drive of the rubber tapered ring roller. There are lots of very flat long roof slates in the ground, which cause problems for most rollers. The VN-TerraLift chassis unburdens the hydraulics and enables safe transport even over longer distances. After around 1000 ha and very low wearing part costs, I only have good things to say about the VN-TerraCult."

## Andreas Damm

Schelmenhäuser estate  
Frankfurt/Main, Hessen, Germany  
**Area of farm: 280 ha**



Andreas Damm with his TerraCult 500

"With my TerraCult 500 with TerraClean roller, I have cultivated approximately 900 ha over the last two years. Above all, I have been impressed with the quality that the Vogel & Noot cultivator produces, which is superior to any competing implement that I have seen. This is due in particular to the flat share angle combined with the spring tines."

Andreas Damm exclusively uses mulch sowing on his farm. He grows wheat, potatoes, sugar beet, asparagus, strawberries and asparagus seedlings. The Vogel & Noot cultivator is pulled by a Claas Axion with 250 hp and is used for stubble processing and seedbed preparation with a working depth of up to 22 cm.

Mr. Damm also uses the patented MultiQuick system from Vogel & Noot, with which he can change wing shares and share tips in a matter of seconds without using any tools. He is thus able to use the cultivator in an extremely flexible way using different tools.

## Jean-Louis Becker

Gaec Saint Laurent  
Hommarcing, France

**Area of farm: 200 ha**

Jean-Louis Becker breeds animals and cultivates crops on his farm, primarily growing wheat, barley, rape and maize. In doing so, he uses conventional soil cultivation techniques as well

as mulch sowing. In order to achieve optimal soil cultivation on his farm, in summer 2009, the successful farmer invested in a Vogel & Noot TerraTop S 800 semi-mounted cultivator with tapered drum roller.

"I was particularly impressed with the large frame space and the five rows of tines. The TerraTop is also equipped with helical-sprung tines and levelling discs. I am therefore able to achieve optimal mulch sowing with the best possible results", reports Mr. Becker.

Mr. Becker also works with a Heros 7-furrow Vogel & Noot semi-mounted reversible plough.



## KTG Agrar AG

PAE Marktfrucht GmbH  
Putlitz, Germany

**Area of farm: 8,000 ha**

KTG Agrar AG is a biogas and agricultural farm, which uses conventional cultivation as well as mulch sowing. Maize, rye, rape, wheat and spelt are the primary crops on the farm. In autumn 2009, this large farm invested in a Vogel & Noot TerraTop S 800 semi-mounted cultivator with tapered ring roller. The high-performance cultivator is pulled by a Case Steiger Quad Track STX 480.

"We use the TerraTop S 800 for stubble processing. This cultivator's greatest advantage is the low maintenance time due to the small number of tines. This means that we require less power and can thus save on fuel."

The large farm also uses two other TerraTop S 800 implements. One of these is also used by KTG Agrar AG in Germany and the other is used in Romania.



## Imre Vági

Vági farm  
Devecser, Hungary

**Area of farm: 300 ha**

Mr. Vági works mainly with sandy, loose soil. The TerraFlex 500 Hydro with TerraLift M and rubber tapered ring roller ø 500 mm ensures perfect work results in such soil and very good reconsolidation. However, according to Mr. Vági, the rubber tapered ring roller also works very well in all soil types, which means there are no blockages even if the ground is wet. The cultivator is pulled by a 250 hp John Deere tractor.

"We are now in our third season working with the TerraFlex 500 Hydro and I am very satisfied. We have already used it to cultivate more than 1000 ha and we use it not only for stubble processing, but also for seedbed preparation. With the 120 mm duckfoot share, we achieve particularly pleasing work results and the wear with this share is extremely low."



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