



Deep tine-disc cultivator
PERFORMER





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PERFORMER 3000 | 4000 | 5000 | 6000 | 7000

Deep tine-disc cultivator

HIGH PERFORMANCE IN ONE PASSAGE ONLY

OPT FOR A PERFORMER, TO BE ABLE TO ADAPT TO DIFFERENT TYPES OF SOIL AND JOBS, TO CARRY OUT HIGH QUALITY WORK WITH A SIMPLE, ROBUST, EFFICIENT, MULTIPURPOSE TOOL, AND QUICKLY. YOU'LL ALSO BEAT YOUR RECORDS IN TERMS OF PRODUCTIVITY WITH THIS TOP OF THE RANGE MACHINE WITH 4 ACTIONS IN ONE PASS FOR OPTIMUM USE.

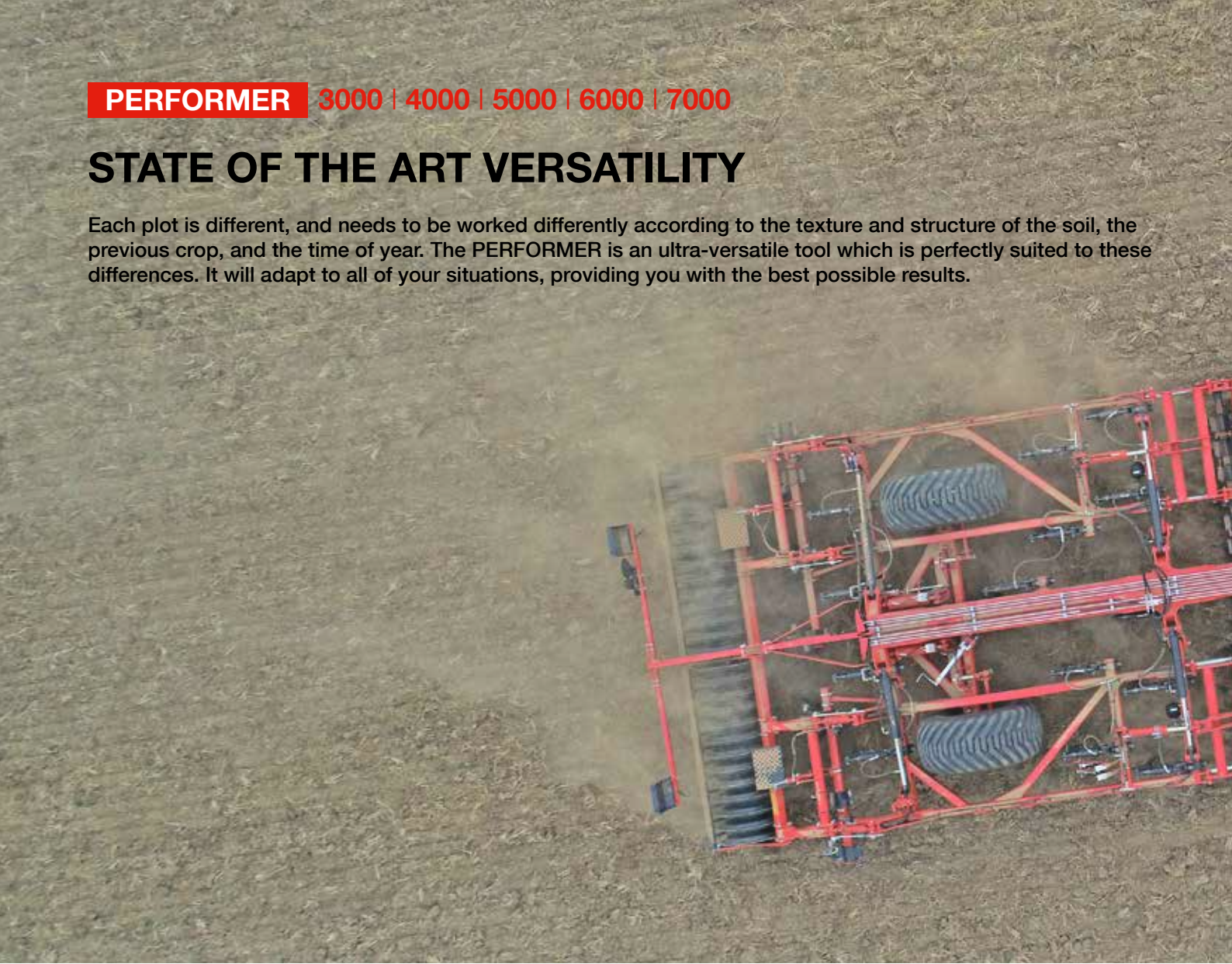


- You have very short working periods and would like to optimize your cultivation passages.
- You would like an ultra-versatile machine with which you can adapt the tools according to your requirements: surface stubble cultivation, deep cultivation, soil loosening, one-pass.
- You want to combine agronomical benefits with economic interests.
- You want to increase your productivity, and reduce labour, mechanization, and fuel costs.
- You consider quick, easy settings to be of utmost importance.
- You would like a modern, trustworthy, top of the range machine, with high-tech equipment.

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STATE OF THE ART VERSATILITY

Each plot is different, and needs to be worked differently according to the texture and structure of the soil, the previous crop, and the time of year. The PERFORMER is an ultra-versatile tool which is perfectly suited to these differences. It will adapt to all of your situations, providing you with the best possible results.



"ONE PASS", TO MAKE SAVINGS



When the climatic window is very short, and you need to prepare the soil in-depth in one passage after harvest, use the PERFORMER with all of its tools.

The front discs cut straw and roots. The tines carry out an in-depth mix, incorporating the straw into the soil. The tines are used with 80 mm tips. Huge savings: one machine, one driver, one passage, and lower consumption than with a conventional technique.

For autumn soil opening without tamping, in order to allow the frost to crack open the clods naturally, you can use your machine without the roller. In this case, depth is controlled by the wheels. There is a tine behind each wheel to erase the tracks. You can adjust the roller pressure with the wheels for use in light soil and wet conditions.



SURFACE STUBBLE CULTIVATION AND SOIL LOOSENING IN ONE PASSAGE



Your land requires deep restructuring work without excessive disturbance... Mount a 50 mm width loosening tip on the tine.

In just one passage, the disc can carry out a quality stubble cultivation job in any type of residue, then the tines loosen the soil deep down to 35 cm. Fine soil is kept on the surface, the earth is loosened without excessive disturbance. The bearing capacity of your land is maintained, and organic matter retained on the surface to make your soil more fertile. With the 50 mm tip, you make savings compared to a classic soil loosener.

SHALLOW WORK

You would like to keep soil work to a minimum to retain organic matter on the surface and break down the mulch zone only.

Use the PERFORMER equipped with discs and finned tines combined, for shallow stubble cultivation. The discs take care of high quality stubble cultivation in any type of residue, and the fins scalp the root system along the width of the tool, amplifying the curved tine's mix effect. With the combination of discs and tines you can eliminate all weeds. In this configuration, you combine speed with working quality for high work output and total respect of your land.

HIGH SPEED STUBBLE CULTIVATION DISCS ONLY

Make the most of the versatility of your tool !

It can be used with discs only for high speed stubble cultivation. The double row of 510 mm independent discs cuts straw and roots to enhance decomposition. Organic matter is retained on the surface to increase your soil's fertility through intensively mixing the top centimeters.



2 ROWS OF DISCS FOR AN EFFECTIVE CUT



The double row of discs intensively cuts and mixes straw into surface soil. The independent discs are equipped with bolted hubs, lubricated for life, which reduce the machine's maintenance.

With a 510 mm diameter, slight curved profile, and notches, they carry out homogeneous stubble cultivation across the entire width of the tool. A width of 6 mm ensures reduced wear and unrivalled longevity.

HIGH CAPACITY MIXING : TINES ONLY

Get the most from the versatility of your tool!

It can be used with tines only like a CULTIMER. From stubble cultivation with fins to semi-deep mixing with the 80 mm tip, you just have to change the wear parts to adapt to the job that needs doing, that's all. The curved CULTIMER tine, is renowned today for its high capacity mix, intensified by the curved deflector.



4 ROWS OF TINES FOR DEEP MIXING OR SOIL LOOSENING



The tines are placed in 4 rows to increase residue passage between them and under the frame. There is a tine every 28 cm.

The tine works effectively in stony conditions due to 15 cm lateral clearance. The wide curve and bevelled deflector make for exceptional mixing quality.

The tine working depth is maintained at a constant level with the new non-stop hydraulic safety system. 900 kg of hydraulic pressure at the tip, for homogeneous cultivation in all conditions especially in stony soils.



Stubble cultivation: 80 mm TIP and 350 mm FINS : STANDARD or CARBIDE

For deeper stubble cultivation, use the 80 mm tip and 350 mm fins. At depths of between 7 and 15 cm, these fins guarantee intensive mixing of all residues across the whole furrow.



Stubble cultivation: 80 mm TIP : STANDARD OU CARBIDE

This tip allows for quality mixing to a depth of 35 cm. Ideal for incorporating large quantities of residue. Its V-shaped profile favors penetration even in dry conditions.



Stubble cultivation: 50 mm TIP : CARBIDE

When loosening hard soils down to depths of up to 35 cm, the 50 mm tip allows you to reduce traction power while preventing the soil from rising up too much.

PRECISE LEVELLING FROM THE DRIVING SEAT

The levelling discs are continuously adjustable so that they can adapt to the conditions of the plot at any time. For extra versatility in stony soil, they come with elastomer safety and are mounted on maintenance-free bearings.



EXCEPTIONAL, THREE DIMENSIONAL TAMPING

The new HD-Liner 700 heavy roller has high tamping capacity, 225 kg/m, and a V-shape to spread the pressure out vertically and obliquely, for deep down tamping along the whole length of the roller. With its notched profile and 700 mm very large diameter, it is capable of rotating correctly, even in wet conditions. Water run-off is reduced by the V-shape formed in the soil. Surface soil between 2 discs is not pressed, it maintains its course structure which ensures good water infiltration.



Double-U

Ensures earth-earth contact, surface tamping and effective soil fragmentation.
- Ø 600 mm and 175 kg/m

Packliner

Rubber-lined roller, ideal in light soil or to ensure maximum soil tamping surface area.
- Ø 600 mm and 165 kg/m

SIMPLE AND CONVENIENT SETTINGS



For exceptional comfort, all of the settings are hydraulically controlled from the tractor cab.

- You are able to intervene at any time, to change the working depth of your opening discs **2** for cut and mix optimization.
- The same is true of your levelling discs **3**, for perfect levelling.
- The tines are fixed to the frame, so their depth is regulated by the machine as a whole.
- The drawbar cylinder **1** and roller cylinders **5** adjust tine depth for a perfectly positioned machine at work.
- The hydraulic functions are centralized on a KTS 10 4 hydraulic selector **4**. This machine only requires 2 double acting valves.



EVEN MORE POSSIBILITIES



Choice of simple or ball joint linkage for perfect adaptation to your different tractors.

- Less than 3 m transport width.



Plant cover seeder. Optimising your ploughing, sowing cover crops at the same time. With a seed hopper capacity of 200, 380 or 600 litres, this seeder allows you to work autonomously on jobs big or small. You can also sow canola seeds in a single pass.

Specifications

	3000	4000	5000	6000	7000
Min. power "shallow work "(kW/hp)	130/180	177/240	220/300	263/360	306/420
Max. power (kW/hp)	250/300	293/400	367/500	440/600	513/700
Working width (m)	2,95	3,85	5	6	7
Transport width (m)	3				
Recommended speed (km/h)	8 to 10				
Max. working depth (cm)	Discs:10 / tines: 35				
Number of opening discs	22	30	38	46	54
Diameter and thickness of discs (mm)	510/-6				
Number of tines	10	14	18	22	26
Type of tine	NSH, 900 kg				
Number of levelling discs	8	10	12	14	18
Rollers	HD-Liner 700, Double U roller, Packliner				
Transport wheels	500/60/22,5	550/60/22,5			
Weight (kg) with HD-Liner 700 roller	4930	6900	7600	8600	9700
Linkage	40 or 62 mm eye or K80 ball or 71/53/42 mm ball joint Cross-shaft possible on PERFORMER 3000 and 4000 Cross-shaft Std 3 - 4 on PERFORMER 5000				
Working width adjustment	Hydraulic with KTS 10				
Number of hydraulic valves required	2 DA: drawbar/undercarriage, + KTS 10 (folding, opening discs, levelling) + 1SA: NSH				
Homologation	EU Approval				



KUHN PARTS



Designed and manufactured to rival time. KUHN foundries and forge as well as a high-level manufacturing process allow the production of spare parts to defy time. You can truly rely on our know-how and our genuine parts. Farmers benefit from our client support and logistics services via any KUHN PARTS warehouse, which provide quick and reliable repair solutions in cooperation with your nearest authorized KUHN dealer.



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Discover KUHN stubble cultivators



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