

Deep tine-disc cultivator

# PERFORMER



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MACHINE  
OF THE YEAR 2017



be strong, be **KUHN**



PERFORMER 3000 - 4000 - 5000 - 6000 - 7000

# HIGH PERFORMANCE IN ONE PASSAGE ONLY

- 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.

## 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.

**4 actions in one pass for optimum use.**

## KUHN Deep tine / disc cultivators in brief:

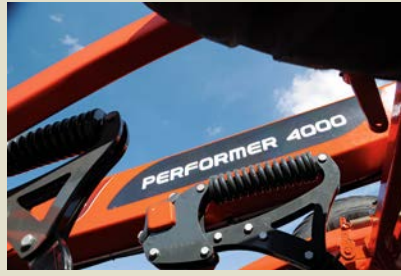
Models	Number of tines	Working width (m)
PERFORMER 3000	10	2.95
PERFORMER 4000	14	3.85
PERFORMER 5000	18	5.00
PERFORMER 6000	22	6.00
PERFORMER 7000	26	7.00



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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



7 cm



15 to 35 cm



80 to 100 hp/m

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



7 - 10 cm



20 to 35 cm



60 to 80 hp/m

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.



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## SHALLOW WORK



7 cm



10 to 15 cm



60 to 80 hp/m

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 CAPACITY MIXING: TINES ONLY



5 to 35 cm



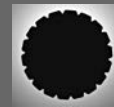
50 to 70 hp/m

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.



# HIGH SPEED STUBBLE CULTIVATION DISCS ONLY



7 to 10 cm



40 to 55 hp/m

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.



# THE 4 MODULES IN ACTION

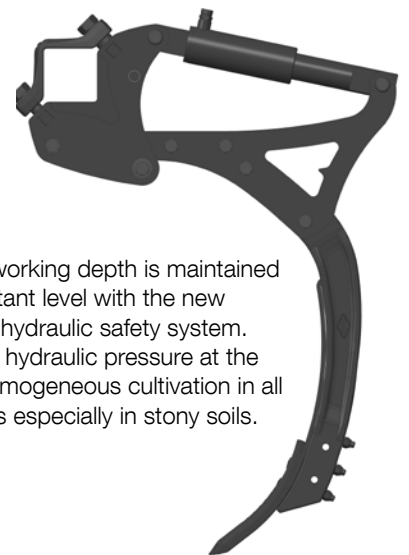
## 2 ROWS OF DISCS FOR AN EFFECTIVE CUT

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.



## 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.

STANDARD OR CARBIDE



STANDARD OR



CARBIDE



CARBIDE



### Stubble cultivation: 80 mm TIP and 350 mm FINS

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

Quality mixing at depths of up to 35 cm. Ideal for mixing in large quantities of topsoil residue.

#### Standard

+20% lifespan compared to standard commercial tips. Reduced wear and tear thanks to strengthening seams and earth-earth contact. Angle and penetration capacity unchanged.

#### Carbide

10 times more resistant than a standard tip: 5 carbide plates. Time-saving: 10 times as long until the next change. Use on stony ground: carbide plates with return action.

### Stubble cultivation: 50 mm TIP

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

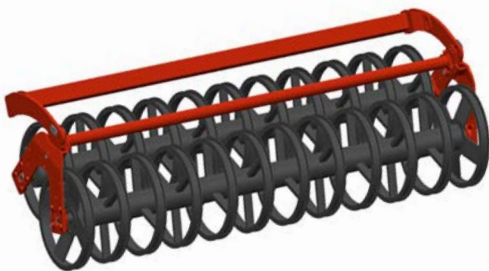
The levelling discs are continuously adjustable so that they can adapt to the conditions of the plot at any time. For extra versatility in stony soil, they come with elastomer safety and are mounted on maintenance-free bearings.



## 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 KTH 105 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.



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.



Less than 3 m transport width.



Specifications	PERFORMER				
Models	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 (cross-shaft possible on PERFORMER 3000 and 4000)	40 or 62 mm eye or K80 ball or 71/53/42 mm ball joint				
Working width adjustment	Hydraulic with KTH 105				
Number of hydraulic valves required	<b>2 DA:</b> drawbar/undercarriage, + KTH 105 (folding, opening discs, levelling) + 1 SA: NSH				

\* KUHN SERVICES:

## ADVANTAGES TO GET MAXIMUM USE OUT OF YOUR MATERIAL AND MAXIMUM PROFITABILITY

\*Not all services are available in all countries

### KUHN sos order

#### Get your part 24/7

You need a spare part fast. With KUHN sos order, you benefit from express delivery 7 days a week, 362 days a year. Down-time is kept to a minimum and work output improved.

### KUHN i tech

#### For increasingly rapid repairs!

An unexpected technical hitch always happens at the wrong time. With KUHN I TECH, your Authorized KUHN Partner, your problem will be fixed in no time, and effectively. You'll get a rapid, accurate diagnosis with this on-line tool available 24/7.

### KUHN protect +

#### The professionals' choice

36 months peace of mind with KUHN PROTECT+ warranty. You can concentrate on the job at hand and the performance of your machine. Because that's what you expect from investing in a high-tech machine.

### KUHN finance

#### Rational investment!

You need a new machine, but are unsure of financing. Modernize your equipment and improve your farm with KUHN FINANCE – according to your requirements in total security. We have custom-made finance plans to meet your requirements.



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# HIGH PERFORMANCE IN ONE PASSAGE ONLY



Farmers have different issues but common objectives: reducing the cost of crop establishment and high work output without compromising yield potential.

The PERFORMER was designed with this in mind, to offer you a top of the range multipurpose machine, quick and easy to adjust, in order to increase your work output and maintain the quality of your soil.

## Discover KUHN's range of soil preparation tools



OPTIMER+



PROLANDER



DISCOLANDER



CULTIMER L



PERFORMER




STRIGER

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KUHN dealer, visit our website  
[www.kuhn.com](http://www.kuhn.com)



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