

Deep tine-disc cultivator

PERFORMER



www.kuhn.com



be strong, be **KUHN**



PERFORMER 4000 - 5000

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 stubble cultivators with multipurpose tines, in brief:

Models	Number of tines	Working width (m)
PERFORMER 4000	14	3.85
PERFORMER 5000	18	5.00



PERFORMER 4000 - 5000

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. Roller weight on the wheels can also be reduced for use in light soil and wet conditions.





SURFACE STUBBLE CULTIVATION AND SOIL LOOSENING IN ONE PASSAGE



7 to 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.



PERFORMER 4000 - 5000

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's working depth is maintained at a constant level thanks to the new double spring mechanical Non-Stop safety system. In any soil type, and especially in stony soil, the 600 to 800 kg tip pressure carries out homogeneous work.



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



Numerous wear parts are available:

- 80 mm tip for soil loosening
- 50 mm for crumbling
- fins for a perfect cut of the root system,
- Tip and carbide fins, to heighten lifespan in heavy soil.



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.



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.



Crop cover seed drill. To optimize your soil preparation in one passage, and seed your cover crop simultaneously. The 200 or 380 liter SH provides you with autonomy in your different jobs. It is also possible to drill rape in one passage.



Less than 3 m in width for transport.



Specifications	Deep tine-disc cultivator	
	PERFORMER 4000	PERFORMER 5000
Min. power "shallow work "(kW/hp)	177/240	220/300
Max. power (kW/hp)	293/400	367/500
Working width (m)	3.85	5
Transport width (m)	3	
Max. working depth disc - tine (cm)	10-35	
Recommended speed (km/h)	10	
Beam dimensions (mm)	central beam 300 x 300 - extension 120 x 80 tine support 100 x 100	
Number of opening discs	30	38
Diameter and thickness of discs (mm)	510-6	
Number of tines	14	18
Type of tine	Non-Stop mechanical 600-800 kg	
Width of tip with deflector (mm)	80	
Number of rows of tines	4	
Intertine spacing (cm)	28	
Under beam height (cm)	85	
Number of levelling discs	10	12
Roller	HD-Liner 700	
Transport wheels	560/60/22.5	
Weight (kg) with HD-Liner 700 roller	6900	7600
Type of linkage	40 or 62 mm eye or K80 ball or 71/53/42 mm ball joint	
Number of hydraulic valves required	2 DA: drawbar/undercarriage, + KTH 105 (folding, opening discs, levelling	
4 function KTH 105 hydraulic selector	Standard	
Breaking	as option	
Lighting	Standard	

* 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.



PERFORMER 4000 - 5000

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.

STUBBLE CULTIVATION RANGE

	OPTIMER+	DISCOVER	DISCOLANDER	CULTIMER	PERFORMER
Working width (m/ft)	3/9'10" to 7.5/24'7"	3.40/11'1" to 5.20/17'	3.70/12'1" to 6/19'7"	3/9'10" to 6/19'7"	4/13' to 7/22'9"
Transport width (m/ft)	3/9'10" and 4/13'	<2.65/8'8"	2.55/8'3"	2.82/9'2" to 3.50/11'4"	3/9'10"
Number of discs or tines	24 to 60 discs	28 to 44 discs	32 to 52 discs	10 to 19 tines	14 to 26 tines
Recommended working depth (cm)	3 to 10	5 to 18	5 to 18	5 to 35	10 to 35
Mounted or trailed version	Mounted and Trailed	Trailed	Trailed	Mounted and Trailed	Trailed

Discover our KUHN range of disc and tine stubble cultivators



1. OPTIMER+ 2. DISCOVER 3. DISCOLANDER 4. CULTIMER L 5. PERFORMER

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KUHN dealer, visit our website
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Your KUHN dealer

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