

# CMN

## Couch Grass Killer



**CMN couch grass killer**, your optimum mechanical solution to fight root weeds such as couch grass, docks, thistles, and other root weeds in stubble or on plowed ground.

**When re-laying old grass fields and grass seed fields you obtain an effective cutting of the tuft.**

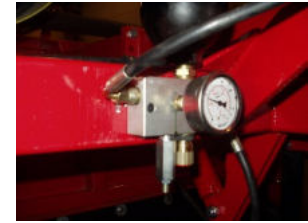
The CMN couch grass killer initially consists of a powerful three-point-mounted stubble cultivator, which is intended to loosen the soil for the rotor. Each tine is fitted with a wing share, which ensures a complete horizontal cut through.



After the cultivator follows the patented PTO driven rotor system.

The rotor rotates relatively slow against the driving direction and the depth is adjusted by the means of two spindle-regulated depth wheels. The rotor has special developed heavy curved tines, which are placed with an average center distance of 10 cm, but with a large mutual distance of 40 cm. This allows stones to pass through.

Besides the stone safety device, the CMN couch grass killer has a hydraulic stone safety device which neutralizes the tare by the means of a pre-adjusted pressure of the lifting cylinders. Heavy resistance, such as a large stone, will make the rotor lift itself over the obstacle.



All machines are equipped with automatic coupling. In fields with many stones or very clayey soil it is advisable to provide the rotor with an additional rubber suspension on the tines. This counteracts breaking the security bolts and the machine gets a smoother running, at the same time.

The towed CMN couch grass killer is available with wheels or automatic depth control. Automatic depth control is standard equipment for 6 m and available as extra equipment for 4 m machines. In case the couch grass killer is used for sowing, the machine should be equipped with automatic depth control, to ensure an equal sowing depth. All towed machines are equipped with wide-angle PTO axles as standard.



The KKB5400SG model is foldable. It has a lot in common with its predecessor, the KKB400SG, but also has additional advantages. In addition to the reduced transport width, the rotor of the couch grass killer is fitted with a parallelogram suspension. This means the depth of the rotor can be varied additionally in relation to the tines. The rotor is divided in 2 sections, each one is centered. This allows the rotor to adapt to unevenness in the field.



CMN auto depth control ensures an equal working depth. The system works as follows: The machine has 2 inductive sensors - on the front of the harrow and on the rotor - which transmit signals to the hydraulic system.

The third measurement takes place at the harrow's wheels, either by means of ultrasound or inductive sensor.



If the couch grass killer is equipped with an ultrasonic sensor, the harrow itself controls the desired depth in relation to unevenness that may be in the field. This is a great advantage especially when sowing with the machine.



If the machine has an inductive sensor in the rear, it steers the harrow down to the desired pre-set stop. In both systems you can override it manually from the tractor.

The rotor sections of the 6m couch grass killer are divided into three units, with the side parts suspended in the middle.



This means that the machine can adapt to unevenness in the field. The effective working width of the side rotor is 1.6m and that of the middle rotor is 3m. This means that the machine will overlap by 10cm.

The function of the rotor is to bring the roots to the surface and clear them of soil. To achieve this, the rotor rotates relatively slowly against the direction of travel. The lighter organic materials are pulled up around the rotor and shaken free of soil at the same time.

Barley field sowed with CMN Couch Grass Killer and harrowed three times with CMN Flex-weeder.



**Combine your Couch Grass Killer with a seed drill and reduce root weeds to a minimum.**

By mounting a pneumatic sowing machine on the CMN couch grass killer, you can establish the future crop with the machine in ploughed soil or directly in stubble.

Do you want to control your root weeds, minimize leaching of nitrogen, minimize tractor costs per hectare and ensure good crops – then there is no way around the CMN couch grass killer.



The organic material, i.e. couch grass roots, are brought up to the surface with the CMN couch grass killer.

### **Technical data**

P.T.O. Rotation: 540 (4m machine) and 1000 (6m machine).

Power requirement: 35 – 45 HP/meter

The towed Couch Grass Killer is equipped with light as standard.

Wheels: 500/50x17/18

Extra equipment: Optional hydraulic or pneumatic brakes

KKBS xxx SG= B-towed, S-foldable, XXX, S-hydraulic stone safety device, G-Rotor with rubber suspension

Type	Working width / cm	Transport width / cm	Weight / kg	Hydraulic outlet	Number of harrow tines	Number of rotor tines
KKB400	400	440/600	2300	3	9	40
KKB400G			2500			
KKB400SG			2900			
KKBS400	400	300/600	3300	4	9	40
KKBS400G			3800			
KKBS400SG			4140			
KKB600	600	350/600	4800	1	14	64
KKB600G			5500			
KKB600SG			6100			

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