

CMN Flex-weeder



Weed control!

With the CMN Flex-weeder you achieve the best form of weed control for all crops, not to mention aeration of your winter grain in the spring without damaging the cultivated crop.

Benefits of the CMN Flex-weeder:

- * Great flexibility in terms of choosing the crop.
- * Great flexibility in relation to varying soil conditions.
- * Control of 80-90% of seed weeds with 2-3 treatments.
- * The correct working depth in the crop, even on uneven fields.
- * A harrow that was developed in cooperation with farmers and research stations.
- * High capacity, driving speed 14 – 18 km/h.
- * A cultivator with minimal maintenance.
- * A cultivator with high ground clearance.
- * The harrow can be equipped with the CMN Intelligent control.
- * The harrow can be equipped with a pneumatic sowing machine.

In other words, if you want effective control of annual weeds without using chemicals, the CMN Flex-weeder is the one!

The CMN Flex-weeder has a main frame with a maximum length of three meters per section. Underneath these frames the one meter-wide-sections are mounted to which the long tines of the cultivator are fastened on transverse bars. These sections are centrally suspended that they can operate independently of each other, i.e. even if the ground is not even completely level, the cultivator will compensate, thanks to the flexible sections.



The CMN Flex-weeder has an effective tine spacing of 4,5 cm, distributed on three cross bars, which again are connected in parallel with an infinitely variable shift arrangement. Thus, the tine angle can be varied from vertical to 45° backwards in relation to the surface of the soil. Due to the variable adjustment of the tine angle, the harrow can be adjusted to the optimal weed control, regardless of soil type and crop. The special design of the tines makes them very sensitive laterally. This means that they find their way round the crop and ensure also effective spreading of soil crumb. The straight tines of the CMN Flex-weeder reduce the risk of plant residues being caught or dragged along. Furthermore, the straight tines dodge the stones in the field, so that they do not reach the surface and therefore cause no problems when the crop is harvested.

The CMN Flex-weeder is equipped with support wheels, which are infinitely adjustable on the frame. This means, the cultivator can be used in both row crops and broadcast crops. The purpose of the support wheels is to secure the desired tine angle during harrowing. In very hilly terrain, it can be advantageous, to mount 2 swivel wheels behind the harrow. This makes it possible to partially tow the machine and the machine adapts better to uneven terrain.



CMN Tine-Flow

CMN Tine-Flow consists of hydraulic cylinders, mounted in series on each individual section of the cultivator, instead of the adjustable spindles.

The tine hydraulics also ensure equalization of pressure under all tines while driving.

By fitting the CMN Flex-weeder with the tine hydraulics, the tine angle can be adjusted from the tractor and the pressure under the tines can be read, while driving. This has the great advantage that the pressure or aggressiveness of the tines can be easily regulated in different soil conditions.



CMN Intelligent-Flow

CMN Intelligent-Flow is an extension / simplification of CMN Tine-Flow.



CMN Intelligent-Flow consists of an operating system that constantly measures the soil quality / resistance in the ground.

In practice it can be difficult to maintain uniform depth when harrowing, especially in fields with changing soil qualities (heavy/light). To deep harrowing can damage the culture crop, and if the harrow does not go deep enough, the treatment will be inadequate.

CMN Intelligent Flow continuously measures the angle of the harrow, using two linear potentiometers, which give a signal of the soil quality. If the angle of the tines changes according to the desired slope, and thus the depth of the harrow, the intelligent-flow

regulates the pressure on the harrow tines by means of the hydraulic tine-flow on the individual sections.

Expanding your CMN Tine-Flow with CMN Intelligent-Flow, will give you the following benefits:

1. You do not need to know the soil quality (heavy/light) in advance.
2. The machine can be quickly adjusted to the desired treatment.
3. Even a new employee can operate the machine without damaging it.
4. Uniform processing across the entire area is ensured.
5. CMN Intelligent-Flow can be mounted onto all harrows which are fitted with CMN Tine-Flow.
6. Patent pending.



Mechanical weed control in Christmas trees ensures better cultivation reliability because the cultivator leaves a porous soil layer behind, thereby reducing evaporation. Thanks to the high ground clearance of the CMN flex-weeder, it is possible to drive in the plantation until they trees are approx. 0.5 metres tall.

Maize is one of the simpler crops.



Begin with blind harrowing diagonally, immediately after sowing. This makes it difficult for the birds to find the seeds. When the corn plants



come up, you can start harrowing with standard tines (550mm) for plants up to 40 cm height. If you wish to harrow when plants are grown higher, we recommend 750mm tines.

We have mentioned some facts that make the CMN Flex-weeder a safe choice for mechanical weed control, in terms of soil quality, weather and crops. Remember, the growth of the weed determines when to harrow, other factors, such as soil quality, can be compensated for by the harrow.

Technical data for CMN Flex-weeder with three-point suspension

Type	Working-width	Transport-width	Section-width/meter	Number of tines	Number of wheels	Weight kg
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FW2000s	200 cm	200 cm	2	44	2	210
FW3000s	300 cm	300 cm	3	66	2	250
FW4000s	400 cm	250 cm	1 x 2 x 1	88	2	300
FW4500*s	450 cm	225 cm	1,5 x 1,5 x 1,5	99	2	380
FW5000s	500 cm	300 cm	1 x 3 x 1	110	2	500
FW6000*s	600 cm	250 cm	2 x 2 x 2	132	4	800
FW7000*	700 cm	300 cm	2 x 3 x 2	154	4	860
FW8000*s	800 cm	250 cm	3 x 2 x 3	176	4	950
FW9000*s	900 cm	300 cm	3 x 3 x 3	198	4	1050
FW10000*s	1000 cm	250 cm	1 x 3 x 2 x 3 x1	220	4	1500
FW12000*s	1200 cm	250 cm	2 x 3 x 2 x 3 x 2	264	6	1800

(*) = hydraulic foldable (s) = same weight for all sections

Dealer:



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