

Combcut



Selective mechanical weed control with Combcut

Reduce weed in growing crops without using herbicides
- better for producer, consumer and the environment



Developed by farmers to fight weeds in cereals, grassland and some vegetables

Using unique technology you are able to cut weeds by combing through the lower part of the crop, selectively cutting out the weeds and allowing the crop to flow unharmed through the blades.



Reduce weed in growing crop



Used independent on row system, tramline and weather conditions



Patented and cost efficient Swedish method



Proved method developed by an organic farmer



Mechanical solution for a sustainable farming without herbicides



Energy efficient and adapted for low horsepower tractors

Combcut cut weeds and costs - and increases yield

The Combcut technology is mechanical and straightforward offering high reliability, low investment cost and inexpensive spare parts. The machine is lightly constructed and can be used with low horsepower tractors.

CombCut runs through the crop on wheels and does not dig into the soil and need approx 60 hp to run. Recommended operating speed is 10-15 km/h depending on field conditions. This gives a high work rate, requires low energy resulting in low running costs.

CombCut is effective against severe controlled

root weeds, which implies that you can reduce the number of ley for grassland in your crop rotation as well as reduce the need for energy demanding weed control tillage.

Weeds are not only causing increased harvesting costs and costs for drying and cleaning but also lower yield since the crop is chocked by the weed. Hence, CombCut is effective for not only reducing costs by reducing weed but also increasing revenues by improving the yield.



Combcut cuts weed in ley grassland.



Combination of a sharp knife and a blunt metal bar creates the selective function where the crop slips away and the weed gets cut.

The only solution to fight weed down in the crop

When there is a physical difference between the weed and the crop, you can effectively control weeds such as thistles (*Cirsium*), charlock (*Sinapis arvensis*), docks/cocklebur (*Rumex*), fat hen (*Chenopodium album*) and cornflower (*Centaurea cyanus*). The knives are static and as Combcut moves forwards the knives comb through the crop and weeds are cut off completely or gets severely damaged.

Combcut fights weed during the entire growing season. The recommendation is to start early in the season and then drive throughout the season, also in established crops and meadows or above the crop. Combcut is also useful on herbicide resistant weeds.



Before and after weeding lamb's quarters in cabbage.



Before and after weeding wild mustard/charlock in cereals.

Scientifically proven high effect

According to independent test results made by SLU (Swedish University of Agricultural Sciences) and Norwegian Extension Service, the thistle's seed dispersal is eliminated and the plant and root volume is reduced. This is the result on thistle according to results from SLU Ekoforsk:

- Significant reduction of flower buds production (efficiency against seed dispersal). According to new results selective weed cutting (Combcut) is fully comparable to herbicides (MCPA)
- Significant reductions of above-ground dry matter (plant, affects photosynthesis, purity of the crop)
- Significant reductions of underground dry weight (root, shows the long term effect on thistle)
- Significantly higher grain yield in the pot trials and more than 30% higher yield in the field trials in Norway the first year.

*Significant means in these test results between 60-95% reductions in trial test made in potted plants

Technical data		
Model	6 m	9 m
Width (m)	6,24	9,24
Height (m)	1,25	
Length (m)	1,5	2,35
Weight (kg)	950	1250
Number of blades (pcs.)	158	232
Height extension adapter	Optional	Optional
Height extension adaptor with hydraulic slope control	Optional	Optional
Fixed wheels	Optional	
Swivel wheels	Optional	
To fold TPR	Hydraulically	
TPR all models	Length 3m / height 2,70m	
Brush drive	Hydraulic motor directly on the shaft	
Mounting:	Three-point linkage	



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