

# eco CUT 300

## Shredder of plant residues

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**eco CUT 300** is a simple machine, yet powerful alternative to the flail mower and power harrows.

High performance and cost savings due to the relatively low operating costs.

**eco CUT 300** is the ideal machine for the first use after crops harvest, before plowing or direct (no-till) sowing.

Conventional farming (plowing, harrowing, sowing, rolling ...) require a large number of unnecessary costs in time, fuel and unnecessary mechanical damage due to excessive soil compaction because of separate working operations.

In conventional farming, soil remains uncovered and exposed to additional wind and water erosion. Sowing in dry and poorly fertile soil will give us poor harvest.



# NEW

### **eco CUT 300**

<b>Technical data</b>	
Working width [cm]	280
Width [cm]	300
No. of cutting discs [pcs]	23
No. of crushing wheels [pcs]	22
No. of HARDOX crushing elements [pcs]	528
Working depth [cm]	7
Weight [kg]	1720
Power requirements [kW/HP]	60/80
3- point linkage cat.	II. and III.
Kombi (front&rear) mount	Yes
Kombi (front&rear) mount for reversible tractors	Yes

**eco CUT 300** is cutting and crushing crop residues which are then partly incorporated in the upper layer of soil. Crop residues are then easily and faster decomposed by soil organisms. Nutrition chain is shorter and with less losses. The amount of humus in the soil increases with age, as well as yield.

»For maximum crushing and cutting effect elements are positioned in 12 spiral. In such allinement there are only 22 cruhing ellements working at once. Force of crushing and cutting is more than 75 kg/cutter.«



### Advantages in soil quality and crop quantity

- Cutting and crushing plant residues
- Mixing and incorporation of crop residues in the upper layer of soil
- Faster decomposition of plant residues
- Shorter cycle in microorganism food chain with less loss of nutrients
- Improved soil biological activity and biodiversity
- Increase in the mass of humus (Conservation tillage, plant cover, organic farming and crop rotation can dramatically increase the amount of carbon stored in soil)
- Oriented in to organic production
- Improved soil structure
- Increased yield

### Advantages in crop resistance and costs

- Reduced impact of drought (broken capillary rise of water because of the treatment of the surface soil)
- Prevention of water and wind erosion
- Reduction of harmful organisms in the soil
- Less use of pesticides
- Reduced consumption of mineral fertilizers
- Less pollution of soil, ground water and air
- High working speed up to 20 km /h
- Reduced fuel consumption and CO2 emissions
- Saving time and money
- Suitable for processing soil before direct seeding (No-till), as the crushed and shredded plant remains easy to remove the sieving plough.
- Less snipey ground due to less transitions
- Does not require PTO shaft
- Easily replaceable blades and discs
- Easy maintenance and low maintenance costs

