

FLAIL MOWER MS



Flail mower MS 170 is used in agriculture for shredding straw (wheat, barley, rice, soy ...). System with straight knives and straight counter knives with small clearance ensures safe and high quality cutting of straw on only 2-3 cm in length. The aim is to provide a uniform dispersion of shredded straw on the surface to the width of 6 meters.

The need for such a machine was increased by reducing the number of livestock on farms, resulting in more land for sowing of cereals. To clean the straw from fields, the straw was burned on most farms. This is obviously harmful to the soil, because it leads to a reduction of fertility in the upper layers of soil.

Meanwhile. The straw is a valuable organic fertilizer that contains nitrogen, phosphorus, potassium and other microelements needed for plant growth. Straw decomposition on soil creates humus and various components needed for useful microorganisms to survive. Therefore, it is economically profitable to include the benefits of crop residues as organic fertilizers in the soil nutrient cycle.

In the case of grain production of around 8 t/ha, the ratio between the weight of grain/straw is 1/1.2. This means that area of one hectare contains of 12 kg nitrogen, 25 kg phosphorus and 25 kg of potassium in the form of straw. Not only the quantity of straw, particularly important is also its fragmentation. Properly dispersed straw will ensure effective accumulation of humus and increased number of useful microorganisms for processing crop residues. Improved soil quality will improve the growth of crops and resistance to pathogen organisms.

Chopped and evenly spreaded on the soil surface, straw is creating a protective layer. Protective layer acts as a blanket and optimizes temperature regime. This protects the soil from extreme cold/hot temperatures, which are killing beneficial microorganisms in the upper layers of fertile soil.

The technique is also essential for farmers in dry areas. When the soil is adequately dry, wind erosion can be a problem. Protective layer of shredded straw and humus reduces evaporation and the impact of drought.

No, do not overlook these valuable features.