

JSC "MOGILEVLIFTMASH"

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Chopper of Low Forest (Mulching Cutter) MN25

It is used for cleaning of territory of bushes, stubs and trees with the diameter of up to 15 cm, with their simultaneous chopping and sufficient (up to 25 cm) digging into soil.

Mixing of chopped ground wood with upper humic soil horizon allows considerably accelerate the process of digestion of residual organic substances, assists in increase of soil fertility.

Using of mulching technology makes it possible to replace a whole range of works such as: cutting of a bush and felling of non-merchantable small trees, trimming of boughs, bucking and chopping of wood, collecting and burning of waste wood.

Mulching technology makes it possible to avoid a necessity to burn waste wood, which violates ecologic environment. The applied technology increases the period of secondary overgrowing on the object.



In order to prevent failure of tractor elements and mulching cutter, the mulching cutter is equipped with friction safety coupling.

Mulching cutter application area:

- creation of firebreaks;
- cleaning of sites after harvesting, soil loosening before planting of new trees, simultaneous removal of old stubs and roots;
- cleaning of the territory under electric lines, in sites of gas and oil pipelines, automobile roads and railways; restoration of derelict territories.



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Description of Mulching Cutter Operation

When cultivating slightly foul sites, work is fulfilled in one pass with digging of a miller into the indicated depth.

When cultivating sites with high density of plants and if there are a lot of trees, works are fulfilled in two passes.

First pass (the tractor moves backwards):

Tree and bushes felling, the miller is set on the level of soil surface, preliminary chopping is fulfilled.

Second pass (the tractor moves forwards):

The miller digs into the soil on the depth of up to 25 cm and fulfills final chopping of plants and loosening. The roller fulfills compaction of soil upper layer in order to prevent its weathering.



Technical characteristics

Milling width, mm	2500
Maximum milling depth, mm	250
Power of the tractor on which mulching cutter is installed (minimal), horse powers	110
Number of cutting bits, pieces	94
Rotations of shaft of tractor power selection, rot/min	1000
Miller rotations, rot/min	345
Pressure in hydro system, mPa	16
Unit weight, kg	2300