

The invention relates to agriculture, in particular to a process for cultivation of farm crops and to a unit for implementation thereof.

The process for cultivation of farm crops includes the operations: direct sowing with embedding of the drill furrow, fertilization, mowing of the harvest, separation of marketable and unmarketable part of the harvest, crushing of unmarketable part of the harvest and its uniform distribution on the surface of the field. All operations are performed during a single passage of the agricultural unit. At the same time, sowing and fertilization is carried out through the supply of seeds and fertilizers, in mixture or separately, and the uniform distribution on the surface of the field of the crushed unmarketable part of the harvest is carried out on the site of mown and sown field.

The agricultural unit comprises a self-propelled chassis (1), on which are placed: a harvester (2), an inclined conveyor (4) for the mown harvest, an equipment for separation of marketable and unmarketable part of the harvest, a bin for marketable part of the harvest, a device for grinding of unmarketable part of the harvest, a spreader (5) of the unmarketable part of the harvest. At the same time, on the body of the inclined conveyor (4) are mounted a capacity/capacities for seeds (6) and fertilizers (7), a frame or a beam (8), on which are mounted openers (9) by means of spring-loaded racks with sowing branch pipes of the pipelines for seeds and/or fertilizers, coupled through a distributor with the capacity for seeds (6), and behind the openers (9) are fixed drill furrow embedding tools (10).

Claims: 2

Fig.: 2

