

The invention relates to the universal small-size shredders for fodder preparation, providing for the processing of different types of agricultural products at the small farms.

The shredding and mixing device has a modular construction including a base unit and plug-in units. The base unit contains a foundation, a vertical shaft with the drive from below, onto which there are fixed flat knives and impeller blades, and housing, enclosing the zones for shredding and unloading of the products.

Novelty of the device consists in that the housing is made in the form of shredding chamber and a bottom plate for unloading. The bottom plate is made mobile in vertical direction. In the space between the shredding chamber and the bottom plate there is placed a sieve with calibrated orifices, and the flat knives are provided with longitudinal bevels at an angle of 26...30° with the plane of the knife and are placed parallel to the sieve at a distance of 3...8 mm from it. Moreover, the device is provided with plug-in hoppers for grains and tuberous root crops, with cover for the shredding chamber and a tube for feeding the corn cobs and stems.

The result consists in increasing the quantity of the processed products and regulating the dimensions of the shredded products particles.

Claims: 5

Fig.: 10