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The invention relates to agriculture, in particular to a process and a device for plant vegetative mass drying on roots.
The process includes irradiation of plant stems on two opposite sides with electromagnetic waves including the water molecule stretching vibration frequency having the specific power of 0,35…0,95 J·m, the irradiation being carried out from a distance of 3…5 cm, directed not above the possible cut level, onto a horizontal stria with a width of 2…3 cm.
The plant for realization of the process includes a transport facility (6) with frame, onto which there are fixed by means of a support (5) an electric power supply (7) and at least two sources of electromagnetic waves (1), each with reflector of parabolic form (2), placed with the possibility of plant stem irradiation on two opposite sides, at the same time the reflector is made with shutter with a horizontal slit of 1,5…2,0 cm (9).
The result consists in accelerating the vegetative mass drying, decreasing the power inputs, the material resources and the time in the biomass or seed harvesting process.

Claims: 2
Fig.: 5