

The invention relates to the field of agricultural machinery and structures, namely to protection systems for orchards, shrubs or climbing vegetables in order to grow plants as naturally as possible by reducing the risks associated with atmospheric weather conditions, such as: heavy rain, hail, snow or heat.

The protection system, according to the invention, comprises support posts, made with the possibility of their successive placement at equal distances between the plants of one or more protected rows, at the same time each support post comprises a metal pile with a spiral screw at the lower end, a pillar installed and fixed in it coaxially, two levers, having one end hinged on the pillar, and two torsion springs with the possibility of their movement in transverse plane, and at the upper end of the pillar, in the same plane with the levers, is fixed a support-assembly, consisting of a body with a round hole and four rollers, each with possibility of free rotation.

The system also comprises rods, installed in the support-assemblies with the possibility of rotation, interconnected by couplings and driven by a servomotor with a reduction gear, at the same time on the rods is fixed and wound in two layers a folding cover material, with the possibility of its unwinding and fastening the free ends to the free ends of the levers.

Claims: 4

Fig.: 6