

Invention relates to agricultural machinery, namely to sowing machines that allow seed inoculation during sowing.

Seed inoculation system comprises a tank for the inoculant solution, a pump, a distributor and nozzles. Seed inoculation system is additionally equipped with a photoelectric seed detection sensor and an electronic control system, wherein each nozzle being electromechanical and mounted on the outer front wall of the seed tube in such a way that its spray nozzle is positioned inside the seed tube cavity at an angle of 17° relative to the horizontal plane of the soil, and the electronic control system is electrically connected to the photoelectric sensor and the electromechanical nozzle, with the ability to send a control pulse to open the nozzle at the moment the seed passes the nozzle to create a localized zone of inoculant-saturated medium.

Technical result lies in improving the coverage of the seed with inoculant at its rational consumption.