

Apparatus and technological method for pre-sowing chemical and thermal treatment of seeds involves applying coating material to seed surface, wherein coating material contains agrochemical substance with insecticidal activity. First, an inner buffer layer is applied to seeds by immersing them for 3-5 minutes in a 1-2% aqueous chitosan solution in immersion reactor, followed by drying at a temperature not exceeding 35 °C to a moisture content of 10-12%. Outer layer, containing aqueous solution of polyvinyl alcohol with encapsulated agrochemical substance of insecticidal activity, is applied by spraying in drum film former with subsequent drying to 10-12% moisture content.