

Method for controlling the Varroa mite population during the winter involves a single feeding of the bees in the fall with a mixture of sugar syrup and an agent with acaricidal properties. Lithium ascorbate is used as the acaricidal agent at a concentration of 0.2 g/l of lithium, with the addition of a nanoactivator at a concentration of 20 ml/l of sugar syrup - a complex of citrates: Co 100, Mn 120, Mo 50, Mg 1600, Zn 220, Se 40, Nd 50, Cu 120, Fe 160 mg/l - in an amount of 5–6 l of the mixture per bee colony, with a simultaneous increase in the usable volume to allow the bees to build up reserves of the mixture by replacing two outer frames with empty combs in the hive.