

Method for activating cognitive functions in honeybees involves feeding the colonies with sugar syrup containing an active ingredient that contributes to an increase in the number of neural pathways. The active component is a mixture of polyunsaturated fatty acids ω -6 arachidonic acid (AA) and ω -3 docosahexaenoic acid (DHA) in a 4:1 ratio, in an amount of 0.5 g, with a consumption rate of 150 ml of sugar syrup per bee colony, which is fed no later than five days before the start of each primary honey flow.