

a 2015 0005

The invention relates to beekeeping, namely to a process for producing a biologically active nutritional supplement for bees and a process for feeding bees with its use.

The process for producing the supplement comprises addition to the solution of the complex  $[\text{Mo}_2\text{O}_4(\text{H}_2\text{O})_6]^{2+}$  of hydrazine monohydrate and  $\text{Na}_2\text{Mo}_4 \cdot 2\text{H}_2\text{O}$  in aqueous HCl solution, then  $\text{NaH}_2\text{EDTA}$  is added, the mixture is brought to pH 6, heated to  $70^\circ\text{C}$  and cooled to room temperature, then  $\text{PPh}_4\text{Cl}$  is added and maintained up to the formation of orange needles, which are washed and dried to produce the complex  $(\text{PPh}_4)_2[\text{Mo}_2\text{O}_4(\text{EDTA})] \cdot 2.5\text{H}_2\text{O}$ .

The process for feeding bees comprises mixing of an aqueous solution of nutritional supplement with the concentration of 1 mg% with sugar syrup in a ratio of 2:100, respectively, and feeding of bees with this mixture in an amount of 100...300 mL per each distance between the frames, once every two days, for three weeks.

Claims: 2