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The invention relates to beekeeping, namely to a process for feeding bees using the [tetraoxoethylenediamine tetraacetatidimo-libdenum V] bis-(tetraphenylphosphonium)di-hemihydrate compound and to a process for the production thereof.

The process for the production of the compound comprises preparation of the $[\text{Mo}_2\text{O}_4(\text{H}_2\text{O})_6]^{2+}$ complex solution by addition to the $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$ hydrazine monohydrate in aqueous HCl solution, then to the $[\text{Mo}_2\text{O}_4(\text{H}_2\text{O})_6]^{2+}$ complex solution is added NaH_2EDTA , the mixture is brought to pH 6, heated to 70°C , stirred until the production of a red solution, cooled to room temperature, then is added PPh_4Cl and is maintained until the formation of orange needles, which are separated by filtration, washed and dried.

The process for feeding bees comprises mixing of the aqueous solution of said compound 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 interval of frames, once every two days, for three weeks.

Claims: 2