

**THE COMPLEX of the BRIQUETTES LICK in
FEEDING of LACTATING EWES and THEIR IMPACT on
IMMUNOLOGICAL, HEMATOLOGICAL and ECONOMIC
INDICES**

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The soils of Transcarpathia region is the poorest in micronutrients, and thus grazing the pastures and fodder crops, which are grown here, are deficient in many mineral elements.

Due to the intense metabolic processes in the body lactating ewes increases their need for mineral elements that are components of proteins, enzymes, hormones, vitamins and affect the resistance of animals and their performance.

To optimize the mineral nutrition of lactating ewes Ukrainian Carpathian mountain breeds we have developed compounding and technology of manufacturing the integrated briquettes-licks with using scarce macro- and micronutrients, natural minerals Transcarpathia buffer, neutral and chelating components.

One of the components of the feed additive is sodium bicarbonate and the buffer hydrocarbon is a major component of saliva, which shows its better buffering properties in the rumen and positively influences the processes carboxylation. A wide range of mineral elements in the natural minerals Transcarpathia contributes to some extent optimization of mineral nutrition of animals and indifferent properties aforementioned minerals determine the best combination of compounds of trace elements in the feed additive, preventing their inactivation.

Of the four major classes of feed additives, namely: sensory, functional, improving health and the quality and digestibility of feed, developed feed additive combines all of the above parameters.

It was established that plenty consumption by animals of complex briquettes-licks provides the dosed and permanent admission of scarce mineral nutrients to the ewes body that has a positive impact on some indexes of humoral immunity, hemoglobin concentration and productivity.

Keywords: ewes, briquettes-licks, immunological and hematological blood parameters.