

POLLEN IS NATURAL ECOLOGICAL SUPPLEMENT AND BIOLOGICAL ACTIVE CHEMICAL COMPOSITION FOR PIGLETS

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Summary. The health of animals, quality of production, safe products for human consumption depend on real value of ration and its composition. Synthetic and natural additions are used for this purpose in European Community and in member countries. Pollen is one of natural bees products. It has been investigated most of all. The pollen is biological active natural supplement, which consists of microminerals, vitamins, hormones, enzymes and it has positive influence on various physiological functions in organism. It acts on hemopoiesis, metabolism, increases immunity, regulates digestibility, helps organism to fight against negative surroundings factors and has bacteriological properties. The aim of this experiment was to determine the effect of pollen on growth, hematological index of blood, influence of oxygen capacity, rate of oxygen consumption and metabolism rate in organism of suckling- piglets. The pollen increased erythrocytes by 10,2 %, level of haemoglobin by 2,9 %, capacity of oxygen by 3,2 % and index color of erythrocytes by 5,8 %. Under the influence of pollen the rate of oxygen consumption decreased by 17,6-18,9 %, and heat amount for function of organism decreased by 5-12,2 % in organism of piglets. Pollen usage recommendation: one tablet of pollen every second day from 2 to 14 of age and 2 tablets every third day for the following two weeks for health and anaemia prevention in suckling- piglets.

Keywords: suckling –piglets, bees products, pollen, ecological source, blood, capacity of oxygen, real and absolute oxygen consumption, erythrocytes, haemoglobin, metabolism.