



International VETEXPO-2019 Veterinary Sciences Congress
September 20-22 2019. Double Tree by Hilton Hotel, Avclar /Istanbul, Turkey

Oral presentation

The relevance of using non-conventional feed additives produced from marine hydrobionts in poultry farming

Nina Dankevych

Odessa State Agrarian University Faculty of Veterinary Medicine and Biotechnology, Odessa, Ukraine.

Abstract

Technologies for recycling mussel (*Lat. Mytilus edulis Linnaeus*; *Lat. Mytilus galloprovincialis Lamarck*) and seaweed wastes (*Lat. Phyllophora nervosa*) into feed additives – protein-mineral and mineral ones with sea water adding were developed on the basis of the research results. The technology of producing feed additives from marine hydrobionts, protein-mineral and mineral, is approved by two useful model patents of Ukraine: No. 34634 (2008) A23K1/75 “Method for producing feed additive from marine hydrobionts for poultry No. 42687 (2009) A23K1/10, “Method for producing feed additive from marine hydrobionts for poultry. In accordance with the study methodology control and test groups of broiler chickens were provided with staple ration for 8 days (aged from 12 to 20 days). From the 21st day till the end of the period (62 days in total) their ration was enriched by paste-like additives in the amount of 7 % to the staple ration. We used the additives in 2 ways: 7 % replacement of the staple ration with additives and adding extra 7 % of additives to enrich the staple ration. Sea hydrobiont additives produced according to our own technology can be used when raising chickens as non-traditional source of proteins and minerals for staple ration. Enriching the ration of chickens by protein-mineral additive in the amount of 7 % or replacing the ration by the same amount of the additive allows to increase their body weight gain by 6,9 % as well as relative growth and conservation rate. Enriching the ration by mineral additive increases body weight gain of chickens by 4,9 %.

Keywords: marine hydrobionts, protein-mineral additive, mineral additive

*Corresponding Author: Nina Dankevych
E-mail: dankevych82@gmail.com

VETEXPO-2019 homepage: <http://vetexpo.org/>
Journal homepage: <http://dergipark.gov.tr/>



This work is licensed under the [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/).