UDC 636.082

**DEVELOPMENT AND IMPLEMENTATION OF ENERGY-SAVING FEEDING ELEMENTS FOR PIGS UNDER CONDITIONS OF LIMITED FEED RESOURCES DURING MARTIAL LAW**

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**References:**

1. Susol, R. L. (2023). Directions for optimizing pork production technologies taking into account potential problems of global warming. *Pig Breeding and Agroindustrial Production, 1*(79), 143-159.

<https://svinarstvo.com/zbirnyk/archive/79/content1.pdf?v3> [in Ukrainian].

 2. Povod, M. G., Lykhach, V. Ya., & Lykhach, A. V. (2021). Technology of pig production. Kyiv: Scientific and Methodological Center of the VFPO [in Ukrainian].

3. Yaroshko, M. (2016). Feed acidifiers in pig rations - what to expect from them. *Agroexpert, 8*(97), 80-83. [in Ukrainian].

4.*Enhancing piglet diets with nutrient analytics*. (2024) PIG PROGRESS.[https://www.pigprogress.net/pigs/piglets/enhancing-piglet-diets-with-nutrient-analytics/?](https://www.pigprogress.net/pigs/piglets/enhancing-piglet-diets-with-nutrient-analytics/)

5. Preissinger, V., Propstmayer, G., & Shcherb S. (2017). Effective fattening with a low content of soy in feed. *Agroexpert, 7* (108), 94-96.

6. Susol, R. L. (2015). *Scientific and practical methods of using Pietren pigs in the “genotype × environment” system*. Odesa: Bukayev V.V. [in Ukrainian].

7. Livestock of Ukraine. Statistical collection. State Statistics Service of Ukraine. (2022).

<https://ukrstat.gov.ua/druk/publicat/kat_u/2022/zb/05/zb_tv_2021.pdf> [in Ukrainian].

8. Sobolev, O. I., Nedashkivskyi, V. M., & Kuzmenko, P. A. (2022). *Methodology and organization of scientific research in livestock*. Bila Tserkva: Bilotserkivdruk. [in Ukrainian].

 9. Ladyka, V. I., Khmelnychyy, L. M. (Ed.). (2023). *Technology of production and processing of livestock products: a textbook for graduate students*. Odessa: Oldi+. [in Ukrainian].

10. Provatorov, G. V., Ladyka, V. I., & Bondarchuk, L. V. (2025). *Feeding standards, rations and nutritional value of feeds for different types of farm animals*. Sumy: University Book [in Ukrainian].

11. Kramarenko, S. S., Lugovyi, S. I., Lykhach, A. V., & Kramarenko, O. S. (2019). *Analysis of biometric data in animal breeding and selection*. Mykolaiv: MNAU. [in Ukrainian].