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CHEMICAL SCIENCES

24. *Hajiakhmedzade Khuraman Shamil gizi, Bagirova Esfira Tayar gizi, Akhmedova I. V.* 119
INFLUENCE OF ADDITIONAL INHIBITORS ON CATALYTIC DESTRUCTION REACTION OF POLYISOBUTYLENE.
25. *Klimko Yu. E., Pisanenko D. A., Koshchii I. V., Semonchuk Ja. A.* 122
ADAMANTHYL-CONTAINING AMIDOALKYLATING REAGENTS.
26. *Задорожний В. Г., Омер Омер, Стародуб К. О.* 127
ВИДІЛЕННЯ ІНУЛІНУ ІЗ КОРЕННЯ ЦИКОРІЮ.

TECHNICAL SCIENCES

27. *Abdurayeva G. E., Naviykhan B.* 133
ABOUT THE TASKS OF CHOOSING THE CAPACITY AND NUMBER OF BUSES ON THE CITY ROUTE.
28. *Banzak H. V., Bansak O. V.* 136
OPTIMIZING STRATEGY PARAMETERS "ON-CONDITION" MAINTENANCE WITH CONSTANT MONITORING FREQUENCY.
29. *Karpenko A. V., Sidorenko O. V.* 141
STUDY OF THE STRUCTURE AND FEATURES OF POROUS REFRACTORY MATERIALS.
30. *Karpenko A. V., Stetsyura O. S.* 147
SUCH METHODS OF CREATING ZAHIS HYDROPHOBIC COATINGS.
31. *Klymenko A. V.* 155
EFFECT OF FILLER PARTICLES ON ADHESIVE PROPERTIES OF KEVLAR COATINGS.
32. *Neshta A., Skydanenko M., Olada Ie., Moskalchuk O., Hrebenik A., Shakh A.* 157
RESULTS OF NUMERICAL SIMULATION OF SULPHUR DIOXIDE ABSORPTION TOWER WITH DIFFERENT TYPES OF NOZZLES.
33. *Pernebekov Saken, Kazenova Aykerim, Ussipbayev Ussen, Dutbayev Zhaksylyk, Dalbay Adilet* 161
MAIN QUALITATIVE AND QUANTITATIVE CHARACTERISTICS TRANSPORT SERVICE OF CITIES, ON THE EXAMPLE OF THE CITY OF SHYMKENT OF THE REPUBLIC OF KAZAKHSTAN.
34. *Rudniev Ye.* 168
SELECTION OF INDICATORS FOR FORECASTING OF HAZARDOUS PROPERTIES OF COAL SEAMS.
35. *Valevskaya L., Sokolovskaya O., Tytska V.* 175
RESEARCH OF GRAIN, LEGUMES AND OILSEEDS YIELDS.
36. *Zhuravlov Yu.* 177
ANALYSIS OF METHODS FOR PROVIDING THERMAL REGIMES OF RADIO-ELECTRONIC EQUIPMENT.

RESEARCH OF GRAIN, LEGUMES AND OILSEEDS YIELDS

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Introductions. Agro-industrial complex (AIC) is an integral part of the economy, which combines the production of agricultural products, their agricultural processing, logistics of the village. It unites industries that manufacture means of production and maintenance of the complex, as well as industries for storage, processing and sale of agricultural products.

The agro-industrial complex includes three major areas of industry:

The first area of agriculture – tractor and agricultural machinery; mechanical engineering for the food industry; agrochemistry (production of mineral fertilizers and microbiological industry); feed industry; system of material and technical service of agriculture; reclamation and rural construction.

The second area – crop production, animal husbandry, fishing.

The third sphere of agro-industrial complex is the food industry; refrigeration, warehousing, specialized transport facilities; trade and other enterprises and organizations engaged in bringing the final product to the consumer, including wholesale markets, retail and catering. Each area should also include relevant areas of science and training.

Agro-industrial complex – a diversified production system in which a particular industry performs its specific function.

Industrial agriculture – intensive breeding of poultry and animals, intensive farming. Chickens (for meat and for eggs) and calves are common objects for industrial cultivation.

The agro-industrial complex (AIC) of Ukraine is a component of the national economy and is the only integrated production and economic system that unites a number of agricultural, industrial, research and production and training industries aimed at obtaining, transporting, storing, processing and selling agricultural products.

Every year the potential of agriculture is strengthened. Thanks to hard work, the use of the latest management methods and advanced technologies, farmers consistently achieve high results during harvesting campaigns. These outstanding achievements are a significant contribution to the development of the region's economy and ensuring the food well-being of the state.

Aim. A comparative study of the grain sector of the agro-industrial complex of Mykolayiv and Zhytomyr regions was conducted. For this purpose, the geographical location, population, characteristics of the grain sector of the regions and land resources and cereals grown in these regions were considered.

Materials and methods. Statistical data from the sources of the State Statistics Service of Ukraine were used for the research.

Results and discussion. According to the results of the research it was established that in 2021 in the Nikolaev area grain and leguminous crops – 93,5 thousand hectares are collected, the volume of production of area makes – 37353,7 thousand ts, productivity – 40,4 ts from 1 hectare of the collected area.

In Zhytomyr region, 328.7 thousand hectares of grain and legumes were harvested, the region's production volume was 17729.5 thousand hectares, and the yield was 54.0 centners per 1 hectare of harvested area.

In the Nikolaev area, in comparison with Zhytomyr region grow more wheat, barley, millet, peas, rape and sunflower.

Zhytomyr region, in contrast to Mykolaiv, is characterized by greater cultivation of corn, rye, oats, buckwheat and soybeans.