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Abstract. *As a result of Attraction laws of mechanics sploshnyh environments, in particular laws Saving Fire-proof compounds, Changed Quantity movement, Changed kynetycheskoho moment and Saving polnoy energy held matematycheskoe Modeling Quick hravytatsyonnoho movement syrpuchyh materials and poluchena system of equations s dynamics, kotoraja in dalnejshem will be yspolzovana for modeling tehnohycheskoho process dozyrovochno -smesytelnoho unit at pryhotovlenyy kombykormov.*

Keywords: **сплошные environment, сыпучие materials, modeling**

Annotation. *As a result of bringing in of laws of mechanics of continuous environments, in particular laws of maintainance of mass, treason of amount of motion, the changes of kinetic moment and conservation of complete energy are conducted mathematical design of rapid gravity motion of friable materials and the system of equalizations of their dynamics which in future will be utilized for the design of technological process of dosage-mixer aggregate at preparation of the mixed fodders.*

Key words: **continuous environments, friable materials, designs**

INSURANCE RISK industrial and economic AGRICULTURAL COMPANIES: innovative aspects

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Abstract.*In the article the problem of hazards and their management in agricultural production,*

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contained purpose and main tasks of risk insurance for agricultural producers examined the feasibility and mechanisms of state support for agricultural producers in Ukraine and foreign experience in this area of activity. The mechanism of action of state support for agricultural producers for insurance.

Keywords:*withilskohospodarski producers, Industrial and commercial risks, insurance risks, government support tovarovyrob farm-workers, agricultural insurance pool*

Formulation of the problem. Agriculture advocates a strategic sector of the economy effective development of which is to some extent determined by the degree of government control and depends on the volume of state support. State support ahroryzykiv insurance worldwide is an effective mechanism for regulating agricultural production. Agriculture - a specific sector of the economy, which are features of the seasonal nature of agricultural production, depending on the volume of production of industrial and economic risks that entails uneven costs and yields. In this regard, the importance of agriculture should be given protection insurance interests of agricultural producers from adverse production conditions. At the same time, this process is impossible without the support of the state, because the need for payment of large insurance claims require a high insurance tariffs for our agricultural producers is prohibitive. Consequently, the state support need not only agricultural producers but also insurance companies.

Analysis of recent research. Agricultural production refers to the sector with the highest risk of loss of production and business activities, so that the end result of agricultural production depends not only on the technology of production, but is dependent on exposure risks are not related to the production process. Domestic researchers MJ Demyanenko, PT Sabluk, V. Yurchishin, A. Sholoyko, VG Andreychuk, VM Onegin, IG Kirilenko, PI Haidutsky. SA Nawrocki and other highlight in his writings, his own vision of the main provisions of agribusiness and

state claimolityky, identification and correction of directions which should take place in accordance with the state of the industry. The development of the insurance market as part of the financial services market is impossible without state regulation and support, and especially in the agricultural sector.

The purpose of research is the need for more in-depth analysis of national scientists research and development of measures to improve state support ahroryzykiv insurance.

Results. The main purpose of the state support of agricultural producers have insurance act protect property interests of agricultural producers incurring possible losses associated with the presence of industrial risks in agricultural production. Lack of government support may be one of the major obstacles to the development of the insurance services ahroryzykiv. Therefore, one of the key questions that needs a fundamental solution, is the question of whether and mechanisms of state support for agricultural producers [4, S. 3-7].

The specificity of agricultural production as a form of economic activity in agriculture, its seasonality, dependence on nature-climatic conditions, increased risk of loss of agricultural production necessitate the development and implementation of effective mechanisms for risk insurance of agricultural production.

The largest and most efficient agricultural risk insurance areas characterized Spain, Canada and the USA.

Agricultural risks insurance in Spain is characterized by the consent of the insured, insurers and state administration. The main participants of the insurance of agricultural risks in Spain are: State Agency for agricultural insurance under the Ministry of Agriculture (ENESA) Consortium Compensation Insurance and Department of Insurance at the Ministry of Economy, insurance Agricultural pool (33 insurance companies), the Federation of Agricultural Cooperatives (4195 cooperatives) [5].

According to Art. 1 of the Law of Ukraine "On insurance" as amended on October 4, 2001 as amended, insurance - a type of civil relations to protect the property interests of individuals and legal entities in case of certain events (insurance cases) defined by the insurance contract or applicable law, at the expense of funds generated through payments by individuals and legal entities of insurance premiums (insurance premiums, insurance premiums) and income from the placement of these funds [1].

In order to stimulate development of agricultural production Law of Ukraine "On State Support of Agriculture of Ukraine" dated 24 June 2004 the peculiarities of state regulation of agricultural insurance by introducing comprehensive and index insurance and agricultural

insurance of the Fund subsidies. However, these provisions of the Law have been ineffective, resulting in the adoption of 9 February 2012 Special Law of Ukraine "On peculiarities of agricultural products insurance with state support," which came into force on 1 July 2012 [2]. This law aims to regulate the insurance of agricultural products, carried out with state support, to protect the property interests of agricultural producers and aims to ensure the stability of production in agriculture. According to the regulations of the Act agricultural products insurance with state support - is the economic relations for insurance protection of property interests of agricultural producers in the event of certain events (insurance cases) defined by this Law, at the expense of funds generated by the insurer paid by the insurer of insurance payments (premiums) of which is offset by government subsidies and income from the placement of these funds, which shall be subject to the provisions of this Act and is determined by the presence and characteristics of risks, which are carriers of agricultural plants and animals. State support is to provide agricultural producers from the state budget funds in the form of subsidies for the payment of insurance premiums (insurance premiums), accrued under the insurance contract.

According to the Law of Ukraine "On peculiarities of agricultural products insurance with state support" subjects of insurance relations of agricultural production with state support is insured and the insurer. Insurers are agricultural producers who have signed a contract of insurance with insurers agricultural products with state support. Agricultural producers recognized entity, regardless of legal form, which produces agricultural products and / or breeding, cultivation and fishing in inland waters and its processing on their own or rented facilities, including vlasnovyroblenoyi material toll, and provides operation of supply [2].

The right to insure agricultural products are agricultural producers, conducting its activities in Ukraine and meet certain criteria Cabinet of Ministers of Ukraine (except for residents). In case of transfer of agricultural land lease right to insure agricultural products, including crops and harvest crops and perennial plants, owned by the tenant, except for non-residents. Insurance contributions made by the lessee can not be included in the rent credit. [4]

Insurers are legal entities that have received a license. The right to security of agricultural production with state support with insurers that meet the requirements of the Law of Ukraine "On insurance", received a license for the appropriate type of insurance and are members of the Agricultural Insurance Pool. Agricultural Insurance Pool is the only association of insurers, and insurers participating in a pool is a condition for insurance of agricultural production with state support.

Agricultural insurance pool is a legal entity and non-profit organization. Pool Charter approved by the meeting of founders (members) Pool and registered as required by law. Pool activities funded by its members. Agricultural Insurance Pool provides coordination of insurers of agricultural products insurance with state support and thus performs the following functions: provides interaction of participants of the insurance scheme for agricultural products with state support of the Ministry of Agrarian Policy and Food of Ukraine; organizes agricultural risks reinsurance program to provide guarantees of the insurer obligations to policyholders; participating in the development of standard insurance products, insurance guidelines of agricultural products with state support, with claims handling and examination of insurance contracts of agricultural products; creates a centralized database of insurance of agricultural products, keeps records of insurance agreements on information provided by insurers; conducts research in the analysis of the insurance market of agricultural products, including the need for actuarial calculation of insurance rates; monitors the compliance with the terms of insurance contracts for agricultural products from state support and standard techniques underwriting, claims handling; covers catastrophic risks in the event of emergencies; manages the Fund covering catastrophic risks, invest the accumulated financial resources.

Insurers are engaged in agricultural production insurance with state support, create a fund covering catastrophic risks due payments to him not more than 5% of insurance premiums (insurance premiums). Catastrophic risk management in agriculture is the emergency man-made and natural disasters, a large set or the scale displays the elemental forces of nature (drought, hail, frost, floods, etc.) and human activities in the process of wealth creation (accident, fire, etc.), causing losses significant amounts. The procedure for recognition of catastrophic risk by the Cabinet of Ministers of Ukraine [4].

Law of Ukraine "On peculiarities of agricultural products insurance with state support" Agricultural insurance pool identified as the only association of insurers that carry insurance of agricultural products. Moreover, the participation of insurers in Pula is a prerequisite for the implementation of agricultural products insurance with state support. In addition, a member of the Pool may be the insurer that meets the general requirements of the Law of Ukraine "On insurance", was licensed and meet specific requirements set by the National Commission for State Regulation of Financial Services Markets (hereinafter - Natskomfinposluh), together of Agrarian Policy, on the participation of insurance companies in the insurance of agricultural production with state support. October 10, 2012 pursuant to paragraph seven of Article

16 of the Law of Ukraine "On peculiarities of agricultural products insurance with state support" Natskomfinposluh order number and order of the Ministry of Agrarian Policy 1671 № 611 approved the participation requirements for insurance companies (insurers) insurance of agricultural production with state support. According to the above order number 1671 insurance company may exercise agricultural products insurance with state support only in case of compliance with certain requirements.

Firstly, such insurance company should have experience of property insurance over the past two years, including experience in reinsurance.

Secondly, a member of the Pool may be only one insurer that has qualified personnel with relevant experience, such as: at least two specialists with higher education in agriculture or with experience in manufacturing or insurance of agricultural production for at least three years and at least five specialists with higher education in agriculture to conduct inspections of insurance before signing the contract of agricultural products with state support and inspections of insurance claims settlement under such contracts.

Third, the order number 1671 establishes requirements for property insurers wishing to implement agricultural insurance with state support. Thus, the net asset value of that insurance company after the second and each subsequent fiscal year from the date of the information about the financial institution in the State Register of financial institutions should be not less than the amount of the registered capital of a financial institution.

Fourth, on the date of application for membership in the Agricultural insurance pool to the insurance company should not be outstanding measures, as evidenced by relevant information Natskomfinposluh.

Agricultural insurance pool is a legal entity and non-profit organization and must be established by insurers that meet all the above requirements. Ahrostrahovoho main objective is to provide a pool of insurers coordination of agricultural products insurance with state support. At the same time, the structure, function, competence, order of formation and work of the management and control Pula Pula defined by the Charter. Pool activities funded by its members.

To ensure the implementation of commitments to policyholders pool creates an insurance fund covering catastrophic risks, which according to the "Procedure for the recognition of risk in agriculture and catastrophic provision and use of budgetary loans (state financial aid), which may arise", approved by the Cabinet of Ministers of Ukraine 15 August 2012 r. 841 number, catastrophic risk are recognized risk conditions that cause damage or destruction of more than 30% of crop production that are insured. Such circumstances may be man-made

emergencies and natural disasters, a large set of scales or displays elemental forces of nature (drought, hail, frost, floods, etc.) and human activities in the process of wealth creation (accident, fire, etc.).

The source of the formation of the insurance fund covering catastrophic risks are members of the Pool deduction of premiums received on this type of insurance in the amount determined by the Coordinating Council of Pula, but no more than 5 percent. The fund is used in case of catastrophic risk by a decision of the Coordination Council Pula. In case of emergency, the scale of the disaster becomes what, if insufficient funds in the insurance fund covering catastrophic risks through State Agriculture Ministry budget provides Pula loan on terms of repayment in due time and indicating the responsibility for its return. The Antimonopoly Committee of Ukraine November 7, 2012 registered the founding documents of the Agricultural Insurance Pool. Reported by the National Commission for state regulation in the field of financial services.

As stated above, can only create a pool of insurers licensed to voluntary insurance silhospryzykiv. To date Natskomfinusluh issued four such licenses: CJSC "Ukrainian Agrarian Insurance Company" (Cherkasy), CJSC "Insurance Company" Brokbiznes "(Kyiv), JSC" Insurance "Insurance Guarantees" (Donetsk), SLC "IC" Dominant "(Kyiv) [7].

Applications are seven insurers are under review [6].

Conclusion. So, apparently, the first step of the Law of Ukraine "On peculiarities of agricultural products insurance with state support" towards the implementation of the system of state support for farmers implemented. Currently the task creation Ahrostrahovoho pool and informing farmers about the wide range of opportunities for public support. Despite the fact that today you can hear a lot of negativity and fear about the future of Pula, but it is that way most of the world through the creation of professional associations with leverage both its members and the policy of regulation of a sector. Our country must learn to delegate, because the market economy involves self-regulation.

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Abstract.*In Article rassmotreny problems occurrence of risk management and ymi in selskohozyaystvennom production, yzlozheny Main purpose and tasks insurance risks selskohozyaystvennyh tovaroproyzvodyteley, rassmotrena tselesoobraznost and Implementation Mechanisms Gosudarstvennoye support ahrarny tovaroproyzvodyteley in Ukraine and zarubezhnyy Experience in data direction activity. Predstavleny mechanism Gosudarstvennoye support actions at insurance selskohozyaystvennyh tovaroproyzvodyteley.*

Keywords: **selskohozyaystvennyye tovaroproyz-vodytely, insurance risks, production and hozyaystvennyye risk, support State-owned selskohozyaystvennyh tovaroproyzvodyteley, ahrarnyy the insurance pool**

Annotation.*In paper the problem of the origin and managing risks in agricultural production are considered. The purpose and objectives of state support for agricultural risk insurance producers are examined. The feasibility and mechanisms of state support to agricultural producers in Ukraine and foreign experience in this line of business are analyzed. The mechanism of state support to agricultural producers for insurance is identified.*

Key words: **agricultural producers, industrial and commercial risks, insurance risks, government support for agricultural producers, agricultural insurance pool**

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DEVICE AND METHOD OF DYNAMIC INVESTIGATION CUTTING EFFORTS FEED GRAIN

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Abstract.*The analysis methods and designs devices for measuring cutting feed grains*

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