

## **O.O. SOSINOVU - 85 years old**

The well-known scientist in the field of genetics, biotechnology, breeding and agroecology, doctor of agricultural sciences, professor (1977), academician of the National Academy of Sciences of Ukraine and NAAN Oleksiy A. Sozinov turned 85 years old. O.O. was born Sozinov April 26, 1930 in the village of. Ezhovo Rybnitsa district (now the Republic of Moldova). After graduating from the Odessa Agricultural Institute, he worked at the Ascension Rice Graduate School. His scientific activity O.O. Sozin started in his student years. His first scientific work (1954) was devoted to agrobiological features of winter barley. In 1955, Oleksiy Oleksiyovych entered the postgraduate study at the All-Union Selection-Genetic Institute (now the Selection-Genetic Institute - National Center for Seed Science and Sortimental Studies), where, under the leadership of P.H. Garkavyi successfully defended his Ph.D. thesis on "Brew barley in the south of Ukraine" in 1959. Subsequently, it was conducted a study on the study of the brewing properties of barley in the south of Ukraine, proposed methods for their evaluation in the selection process, the effect of some agronomic and weather factors on the quality of barley grain was investigated. On the basis of these works, a systematic evaluation of the brewing values of the breeding material was carried out, which contributed to the creation of varieties of brewing barley in the Selection-Genetics Institute. In 1958-1966, O.O. Sozi-nov is a younger, senior scientist, head of the laboratory technology of grain technology; 1966-1971 - Deputy Director for Scientific Work; 1971-1978 - Director of the All-Union Selection-Genetic Institute; 1990-1996 he was the first president of the Ukrainian Academy of Agrarian Sciences. In 1970 he defended his doctoral dissertation on the topic: "The quality of wheat grain of the south of Ukraine and ways of its improvement". O.O. Sozinov is the founder of the study of the peculiarities of the protein-wheat complex, which has begun new trends in the genetics, breeding and seeding of this crop. It investigated the fractional composition of protein in terms of solubility, amino acid composition, depending on the variety and characteristics of cultivation. A major scientific resonance was the study of protein quality by electrophoresis in starch gel. For the first time in Ukraine, a scientist has shown the possibility of widespread use of this method in breeding, genetics, and seed production. As a result of the development of an express methodology for the study and determination of the specificity of the electrophoretic spectra of the protein and the patterns of inheritance of certain protein components, the possibility of creating wheat varieties with a predicted protein composition by electrophoretic mobility was possible. Fundamental works of O.O. Sosinova for the improvement of the quality of wheat grain and other grain cereals, the improvement and unification of existing and the development of new original methods for assessing the technological and biochemical qualities of grain have made a significant contribution to the domestic and world biological and agricultural science. On the initiative of O.O. Sozyn's Selection-Genetic Institute became the coordinator of important scientific research on the development of theoretical foundations and new methods for the creation of high quality wheat varieties and other cereal crops among the member countries of the CMEA. School of Academician O.O. Sozilyan embraced all branches of the agricultural science of Ukraine. ZO-cream, at the Institute of Horticulture of NAAS in 1991-1993 he began to study biochemical markers in breeding and planting fruit crops. According to the results of the research, breeding programs for the development of fruit crops that were resistant to biotic and abiotic factors were developed, the implementation of which made it possible in recent years to register a significant number of new varieties of apple, persistent to pork, pear, currants, Agrus, adapted to the soil-climatic conditions of Ukraine. O.O. Sozinov - Honored Worker of Science and Technology of Ukraine, Laureate of the State Prize in Science and Technology of Ukraine and the Russian Federation. We sincerely wish Alexei Alexeyevich good health, family welfare, new creative achievements.

V.M. Sokolov, Director of the Selection-Genetic Institute - National Center for Seed Research and Collegiate Studies, Corresponding Member of the National Academy of Sciences of Ukraine