

GENE-ENGINEERING BIOTECHNOLOGIES – "FOR" OR "AGAINST"

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Introduction. The application of the achievements of genetically engineered biotechnology is now very widespread – in medicine, pharmacy, food products. And science recognizes them as absolutely harmless, but only if the third generation of consumers does not have changes at the genetic level. But we are the first generation. In addition, today in Ukraine there is no clear system of regulation and examination of such products regarding its possible negative impact on human health and the environment.

Aim. Therefore, the purpose of our studies was to study the level of awareness of the population in Kharkov and among the students of the NUPh in the matter of genetically modified organisms and to find out their relationship – «for» or «against» to the introduction of genetically modified organisms into food and medicines.

Materials and methods. To solve this problem, a sociological survey was conducted in the form of a survey using questionnaires of a closed type.

Results and discussion. The results of the survey in the city of Kharkov showed that at the age of 17 to 25 years 81% of women "for", 19% – «against». 15% of men are in favor, 85% are against. Women aged 25 to 55 years – 43% "for", 57% "against". Among the students of the NPAU at the age of 17 to 25 years, 36% of girls "for", 64% "against", 50% of young men "for", 50% "against". At the age of 25 to 35 years 27% of women "for", 73% "against", 100% of men "against". That is, the majority of those taking part in the survey were against the use of GMOs in the food and pharmaceutical industries. But the respondents do not know how to protect themselves, because, due to imperfect legislation in this sphere, a person is deprived of the opportunity to freely and consciously choose food and medicines containing transgenic components. That is, the hasty commercialization of the achievements of genetic engineering for the sake of momentary profit goes to the detriment of the safety of the person surrounding his natural environment and the future of civilization.

Conclusions. Undoubtedly, biotechnology is the future, this is environmental safety, but at this modern stage of development of biotechnological research, the widespread spread of GMOs is premature and poses a real threat to the existence of living organisms on Earth. The use of new technologies without a clear understanding of the consequences of their actions can damage the safety of the person, surrounding his natural environment and the future of civilization.