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Impact of Infringement of Environmental Balance on Human Health

Khojiev A.

Associate professor, department of Technological machines and eguipment,Andijan machine building institute

ABSTRACT: The article highlights the problems of growing ecologically clean agricultural products, in particular cotton and its products, lists the causes of the damage to living organisms by various poisonous substances, the results of research on the elimination of diseases are listed.

KEYWORDS: Ecology, poison, soil, cotton, biotechnology.

I.INTRODUCTION

World practice shows, speaking of an environmentally friendly product human health is meant. Therefore, in developed countries, much attention is paid to the production of environmentally friendly products. To solve this problem, a biotechnological method of growing an environmentally clean product is used, and large financial resources are allocated to research work in this direction.

Because of the non-application of the biotechnological method of growing an ecologically pure product, the fruitful structure of the soil has been violated, which has led to an increase the poison in the composition of grown agricultural products. Getting into the human body, they cause liver disease, diabetes, anemia, cancer. [1,18].

Ecologically clean products with vitamins and trace elements, eliminate the factors contributing to the emergence of the above diseases, thereby reducing the incidence of people.

In the course of research on the management of gossypol in cotton seed, it became clear that the elimination of the amount of one type of poison required the effect of solution with different components. So, under the influence of various mutagenic substances, different kinds of nature of one kind of poison appear. Such neutralizing substances used for the derivation of poisons with different natures, from the human body and plants, apparently, it is advisable to call the reflectors.

Violation of the ecology increases the poison damage to the human body and the entire living being. Studies show that in the body of living beings there are 3 types of poison.

1. An artificial poison. This poison is considered to be produced by an artificial (chemical) method. Such poisons, falling into sources of waste water, in the composition of agricultural products in the process of protection from various insects and diseases, are found in water bodies, in the air and from there they pass into living organisms, including into the human body. As a result, as a mutagenic substance in the human body there are different severe genetic diseases.

2. Natural poison. This poison is formed by ingestion of food, it eats different poisonous substances that get into food products, during leyting they pass into the human body. Under the influence of this poison there are various serious diseases. Including cirrhosis of the liver (watery appearance), diabetes mellitus and damage to the whole body. The blood is greatly affected, the amount of blood decreases, and the decay of the body increases.

3. The intermediate poison. The decomposition of this poison is very difficult. The composition of the mutagenic substance that creates such a poison is complex, and its effect is replaced by artificial and natural poisons.

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This poison arises from natural changes that contribute to the formation of negative changes in various substances. We are conducting research on reflectors with a complex composition and good results have been obtained.

The aim of the research is to develop a biotechnological way of rationing human health by the way of restoring ecological balance.

1. To preserve human health, to solve the problems of transforming environmentally dirty agricultural products, which, as a part of poisons, subsequently caused environmental disruptions, are ecologically clean, developing reflectors that modify the properties of such poisons.

2. To preserve human health and normalize the environment, a biotechnological method of growing cotton and other crops must be applied.

Emphasizing that this method has not yet been applied in Uzbekistan, cultivating biologically organic products at home and in small experimental areas and the production of poison detectors from these products is the essence of experimental research. If a violation of the environment creates a poison for a person, the reflectors produced by the biotechnological method are the support.

The economic effect of the production of reflectors from the composition of plants by a biotechnological method is incomparable, and studies have been completed on the preparation of the healing oil from the seed of cotton by the biotechnological method.

Proceeding from the above, we set the goal for ourselves first, to process cotton seeds with natural bioremedium, to check the content of gossypol, to sow these processed seeds and to carry out agrotechnical measures in a biotechnological way, to change the composition of bioresorbents and biomass, to enhance their effect, to process cotton, to study the oil , obtained from the seed of cotton, the application of bioremedium and biofertilizer obtained from cotton dust for research.

For this purpose, we have developed an installation that differs from analogues with a high purification efficiency. With the help of this instalition, cotton dust was separated, which as a component was used to prepare the bioremedium. Cotton seeds were treated with this bioremedium and sown and grown cotton crop. Also, cotton seeds treated with bioremedium were analyzed for presence in the gossypol composition. Bio-solutions and biofertilizers have been prepared from the grown organic product. Products obtained in previous processes are biomaterial for the following processes. This sequence continues until the cotton is grown, giving an environmentally clean cottonseed oil without gossypol. [2,16].

It is known that in natural and artificial reservoirs created for human needs, viruses of extremely dangerous diseases get from sick people. Such contaminated water merging into reservoirs for consumption pose a danger to society. Such reservoirs are processed biotechnologically and disinfected, water becomes environmentally clean, becomes biofertilizer and is used for growing agricultural crops.

At the same time, using this biofertilizer we cultivated cotton. This fertilizer, replacing the needs for fertilizer, prevents deterioration of the structure, the soil recovers, the ecology improves. At the end of time, this process is intensified. Substances that are harmful to humans are eliminated from the composition of the cotton seed. These seeds were processed biotechnologically, the content of gossypol was 0%, pure, high-quality, transparent, fragrant, environmentally clean, healing cottonseed oil was obtained.

At the end of time, the demand for environmentally friendly products is growing. In particular, there are problems in growing and cleaning its oil, which are very important. Therefore, investments are being introduced, large funds are being expended. It can be seen that the expected result has not been achieved. From here you can understand, apparently, using modern technology and technology it is impossible to get environmentally clean cottonseed oil.

Having in view of the above, when processing cotton grown not by type, that is biotechnologically, the content of residual pesticides and mineral fertilizers in the soil gradually decreased and was reduced to zero. There was an

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increase in the soil of beneficial microorganisms, and the ecological state improved. As a result, it became possible to produce environmentally clean products from healthy soil. [3,8].

REFERENCES

1. H.T. Tursunov, T. Rakhimova. Ecology. Tutorial. – Tashkent. - 2006. - P. 138.
2. A. Khojiev, K. Dadajonov and others. Pests of cotton seed, technology to ensure its protection and early maturation. // Agriculture of Uzbekistan. Agrarian and economic, scientific and review journal. - Tashkent. - 2007. - №2. - P. 16.
3. A.Khojiev, K.Dadajonov and others. Effects of a new biological fertilizer. // Agroscience. Scientific appendix of the journal Agriculture of Uzbekistan. Agrarian and economic, scientific and practical. - Tashkent. - 2007. - Signal number. - P.8.