## ENVIRONMENTAL PROBLEMS OF AGRICULTURE

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Agriculture produces a greater impact on the natural environment than any other sector of the economy. The reason for this is that agriculture requires huge space. Europe's agricultural landscape has replaced broadleaf forests. Agricultural landscapes appeared to be unstable, which led to a number of local and regional environmental disasters. For example, deep plowing has led to dust storms in Kazakhstan and America.

Hardest on the environment affects agriculture. Its factors are as follows:- the reduction of natural vegetation on agricultural land, plowed land;- treatment (tillage) of the soil, especially with the use of the dump plow;- the use of mineral fertilizers and pesticides;- land reclamation

And the hardest impact on the soil:- destruction of soil ecosystems;- loss of humus;- destruction of the structure and soil compaction;- water and wind erosion.

There are certain methods and techniques of farming that mitigate or completely eliminate the negative factors, for example, precision farming technology. This factors are as follows:- overgrazing - that is grazing in amounts exceeding the ability of pastures to restore;- raw wastes of livestock complexes.

Common disorders caused by agriculture include:- pollution of surface waters (rivers, lakes, seas) and degradation of aquatic ecosystems; groundwater pollution;-deforestation and degradation of forest ecosystems (deforestation);- violation of the water regime over large areas (drainage or irrigation);- desertification as a result of complex disorders of soils and vegetation;- the destruction of natural habitats of many species of living organisms and as a consequence the extinction and disappearance of rare and other species.

To my opinion, the solutions of environmental problems of agriculture could be the next:-precision agriculture (comprehensive high-tech system of agricultural management, which includes global positioning technology (GPS), geographic information system (GIS) technology to assess the yield (Yield Monitor Technologies), variable rate technology (Variable Rate Technology) and technologies of earth remote sensing);-organic agriculture (a form of agriculture in which there is a conscious minimization of the use of synthetic fertilizers, pesticides, plant growth regulators, and feed additives. On the contrary, for increasing yields, provision of cultivated plants with mineral nutrients, control pests and weeds, to actively apply the effect of crop rotation, organic fertilizers (manure, composts, green manure, etc.), different methods of soil treatment).