

The Resistance of Crops in Plant Protection

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World crop production requires highly-productive varieties of agricultural crops, which are resistant to pest organisms. Such varieties are also of great importance for the Uzbekistan. Their deficiency may prove to be an obstacle to securing the production of foodstuffs and providing commerce with agricultural products. The cultivation of varieties, which are resistant to insects and mites, provides an opportunity to decrease the number of applied insecticides and acaricides. In addition to the considerable economic advantage, including energy consumption, the growing of resistant varieties is of great ecological importance, protecting environment and health (as a result the risk of chemical pollution becomes less and conditions for agricultural workers are improved). All this, allows us to state that exploration of the theoretical basis of plant resistance to pests and the selection of resistant varieties are a fundamental scientific and real national economic problems. It is known that an immunogenetic system of any organism is called up to protect their morpho-functional integrity. Plant resistance to insects and mites, as well as other mesofauna, is characterized by many factors that reflect the essence of versatile interrelations that arose in the evolutionary process.