

APPLICATION OF CHEMICALS IN AGRICULTURE

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Abstract

Different synthetic organic and inorganic chemicals as fertilizers to increase the production of crops to provide food to all people. It also deals with the application of various types of synthetic organic compounds as pesticides or biocides to save the crops from insects and pests as well as their toxic effect on the living being. The focus of this review is on synthetic organic compounds-especially those that are toxic or can generate other adverse effects in the environment. The nature and environmental properties of them have been discussed through searching their chemistry, stability and way of entrance in the environment. Also, the mechanism of degradation and the chemistry of intermediate during decomposition of some pesticides in the environment have been represented in a very simple way. Key-Words: Environment, Synthetic, Agriculture, Soil, Toxicity, Pesticide, Fertilizer, Manure, Zooplankton and Mineralisation.

Key words: Agriculture, chemicals and crops