

A Project report on
“To study the impact of Pesticides use in agriculture on environment and health.”

Submitted for

Student Study Project

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By

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SYNOPSIS

To study the impact of Pesticides use in agriculture on environment and health.

To meet the demand for more food Farmers started using wide range of fertilizers, pesticides and insecticides. Pesticides are the chemical substances which protects the crops from the peathogensor pest some of them are DDT, BHC, Zinc Phosphide, Mercuric Chloride, Dinitro Phenol etc...

In 1940s manufactures began to produce large amounts of synthetic pesticides and their use become wide spread. Some sources consider the 1940s and 1950s to have been the start of the "Pesticide era" Pesticide use has increased 50 fold since 1950 and 2.3 million tonnes of pesticides are now used each year.

In 1960s it was discovered that DDT was preventing many fish eating birds from reproducing, which was a serious threat to biodiversity. The agricultural use of DDT is now leaned under the stock hold convention, but it is still used in some developing nations.

A number of pesticides are highly toxic and even in very small quantities these pesticides can result in the death of humans and animals. Long term health problems such as respiratory, memory disorders, dermatological conditions, cancer etc have been known to be associated with pesticide exposure. The major source of pesticide exposure in children and infants is through diet.

In this context we have taken the different fruits and vegetables from the market and some of them from our home where we ourselves grown the fruits and vegetables without using any pesticides and Determined the nitrogen containing insecticides or pesticides present in these fruits and vegetables" From the experimental data, we came to know that most of the fruits and vegetables contain pesticide residues.

The most common path way for pesticide to enter the body is orally, through mouth and the digestive system. Oral exposure may occur as a result of negligence, eating without proper hygiene after using pesticides.

Pesticide exposure in children results in brain cancer, leukaemia and birth defects. Hence we are going to bring awareness to the farmers of Korutla and nearby villages about minimization of pesticides usage as they are very much harmful for health. We advised the students to use the fruits after washing with plenty of water and vegetables after soaking in salt water for few minutes.

