



Mula Education Society's  
**Arts, Commerce & Science College, Sonai.**

Institution's Innovation Council

ACA – R-16	<b>A webinar on “Environmental Dangers of Chemical Pesticides Critical Thinking and Business Opportunity”</b>	Academic Year: 2020-21
Rev : 00		Annual/Semester: I / II
Date:15.06.2018		

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Date: 03/07/2021

**A) Descriptive Report: (Maximum 500 words)**

**a) Introduction**

A webinar on “Environmental Dangers of Chemical Pesticides Critical Thinking and Business Opportunity” was organized by Institution's Innovation Council of Mula Education Society's Arts, Commerce and Science College Sonai on 3<sup>rd</sup> July 2021. The main purpose of webinar was to give a new platform for students.

**b) Description of event, Name of Funding Agency, Amount Sanctioned, Other Details**

This topic of the webinar ‘Environmental Dangers of Chemical Pesticides: Critical Thinking and Business Opportunity’. It was organised on zoom meet. The resource person was Dr. A.N. Markad Associate Professor, Department of Environmental science, Ferguson College Pune.

Dr. A. N. Markad explained the importance of chemical pesticides in organic farming. Pesticides are chemical substances that is meant to kill pests. In general, a pesticide is a chemical or a biological agent such as a virus, bacteria, antimicrobial it kills pests. Pesticides are harmful to the living plant and animal. It also controls the growth of living microorganism. When pesticides spray on the plant and crops it mixes with atmosphere. In rainy season it mixes with rain water and come on the earth and mix with soil. These chemical pesticides kill the bacteria and microorganisms in the soil. The chemical pesticides affect health of human being, animal and birds.

It affects total ecosystem.

Principal Dr. S. L. Laware guided the organization committee for the successful arrangement of the program. The Convener of IIC Dr. M.G. Varpe was present for the program. The coordinator of this event Dr. S. A. Najan introduced the resource person in the beginning of the program and finally proposed vote of thanks.

The college self-funded the activity. Total expenditure incurred for the activity was Rs.2000/-

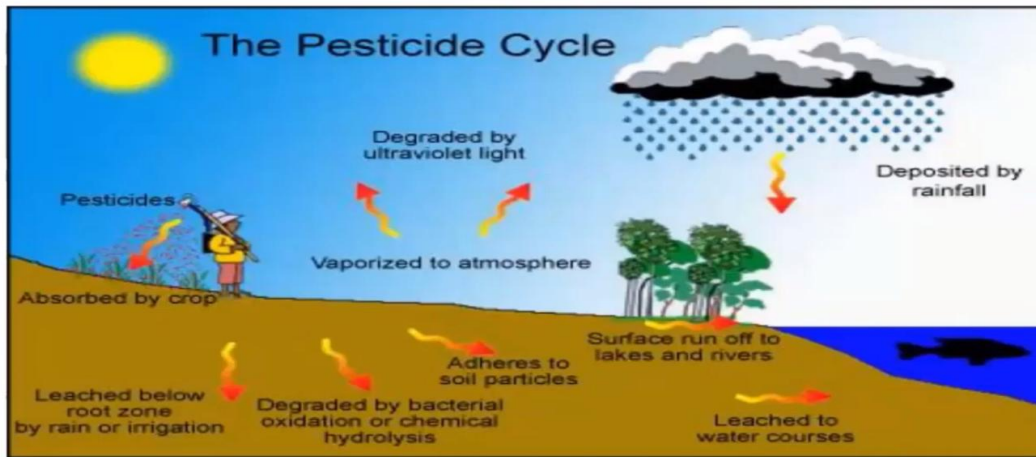


# Chemical Pesticides banned in India

Sr. no	Common name of pesticide
1.	Alachlor
2.	Aldrin
3.	Benzene Hexachloride
4.	Carbaryl
5.	Chlorbenzilate
6.	Diazinon
7.	Endrin
8.	Heptachlor
9.	Phorate
10.	Triazophos



# The Pesticide Cycle



# Pesticides in News

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## Punjab farmers at risk of genotoxic damage

THE TIMES OF INDIA | Feb 22, 2021, 04:36 AM IST

CHANDIGARH: Due to excessive use of pesticides, agriculture workers in Punjab are at a greater risk of genotoxic damage, which refers to property of chemical agents that damages the genetic material within a cell causing mutations and lead to serious disorders such as cancer.

**USE OF PESTICIDES**

Year	Consumption in tonnes
2018-20	4,808
2018-19	5,543
2017-18	5,805
2016-17	5,843
2015-16	5,743
2014-15	5,679

**HIGH INCIDENCE OF PESTICIDE USE**

Provisional data of the Union agriculture ministry suggests that consumption of insecticide grade pesticides has come down to less than 5,000 tonnes for 2019-20 in Punjab. The consumption in Maharashtra and Uttar Pradesh, however, per hectare consumption of pesticides in Punjab is one of the highest in the country at 0.74 kg per hectare as suggested in 2016-17 data.

Printed from THE TIMES OF INDIA

## Why Maharashtra farmers took on Swiss pesticide giant in Bern

THE TIMES OF INDIA | Feb 22, 2021, 04:36 AM IST

Mumbai

Printed from THE TIMES OF INDIA

## Rampant use of pesticides hits bird population

THE TIMES OF INDIA | Feb 22, 2021, 04:36 AM IST

Trichy: Birds such as cattle egrets, lapwings and pond herons, once common in paddy fields during ploughing, have become a rarity nowadays. Indiscriminate use of pesticides and chemical fertilizers in the agrarian lands of Trichy and Perambalur districts is affecting the avian diversity, a study conducted by an ecologist finds. The farming community in many rural pockets has been using pesticides without knowing that it would affect a range of organisms that are essential for our ecology. These pesticides are not only killing or driving away birds, but also make micro-changes in the environment that would lead to climate change, said environment and wildlife biologist G Ashoka Chakkaravarthy, who has conducted a study in Thuraiyur, Kanapada village - located near the foothills of Pachamalai, Nagalapuram, Thanjavur and Annamalaiyem in the two districts. "Farmers use various kinds of pesticides for weeding. They use insecticides to kill insects, herbicides to destroy weed plants and rodenticides to kill rats and mice. They use these pesticides without knowing that they have severe effects on a range of organisms that provide ecological services like pollination (honey bees, butterflies and moths) and natural pest controllers such as snakes, frogs, owls and seed dispersing birds," Chakkaravarthy said.

Printed from THE TIMES OF INDIA

## Andhra Pradesh sees dip in pesticide use as farmers go organic

THE TIMES OF INDIA | Feb 22, 2021, 04:36 AM IST

VISAKHAPATNAM: Andhra Pradesh, one of the highest consumers of chemical pesticide in the country, has seen a drastic fall in its use, nearly 40%, over the last five years. According to annual reports of from the agriculture ministry, the annual chemical pesticide consumption in the state has declined steadily from 4,050 MT in 2014-15, 2,733 MT in 2015-16, 2,055 MT in 2016-17, 1,738 MT in 2017-18, 1,689 MT in 2018-19 to 1,579 MT in 2019-20.