



**TRINITY COLLEGE FOR WOMEN
NAMAKKAL**

Department of Chemistry

**AGRICULTURAL CHEMISTRY
PESTICIDES**

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PESTICIDES

SYNOPSIS:

1. PESTICIDES
2. CLASSIFICATIONS
3. USES IN PLANTS
4. RHODENTICIDES
5. ACARICIDES
6. HOW TO HANDLE PESTICIDES.



INTRODUCTION

INTRODUCTION TO PESTICIDES:

1. A PESTICIDE IS ANY MATERIAL USED TO CONTROL PESTS.
2. THESE MATERIAL MAY BE NATURAL OR MAN MADE.
3. THERE ARE SEVERAL DIFFERENT TYPES OF PESTICIDES ARE IN THE EARTH.



CLASSIFICATIONS

TYPES OF PESTICIDES:

1. INSECTICIDES
2. HERBICIDES
3. FUNGICIDES
4. RODENTICIDES
5. ACARICIDES



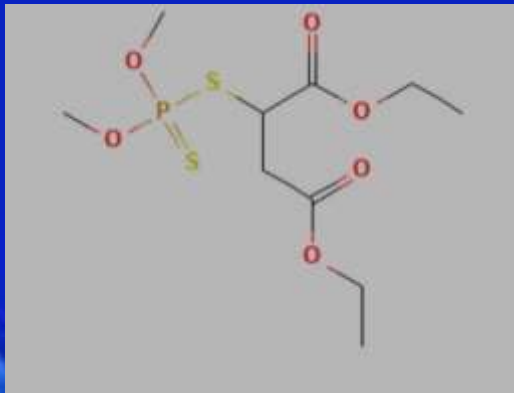
EXPLANATION WITH EXAMPLES

1. INSECTICIDES:

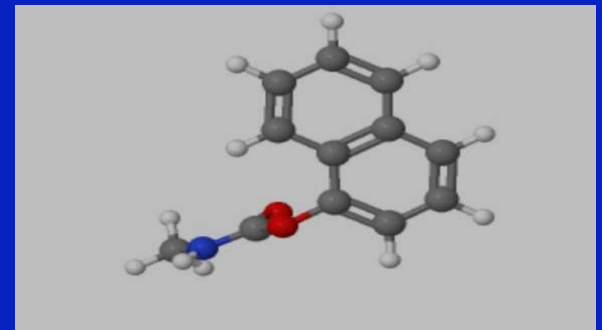
THESE CONSISTS OF CHEMICALS THAT ARE ATTACK THE NERVOUS SYSTEM OF THE PESTS. BREAKING DOWN THE NERVOUS SYSTEM OF THE PESTS HELPS TO GAIN A RAPID INHIBITION.

EX: CARBARYL, MALATHION, BORON

COMPOUNDS.



MALATHION

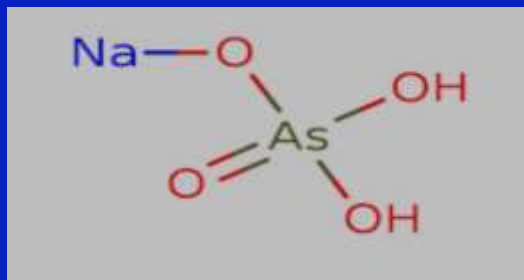


CARBARYL

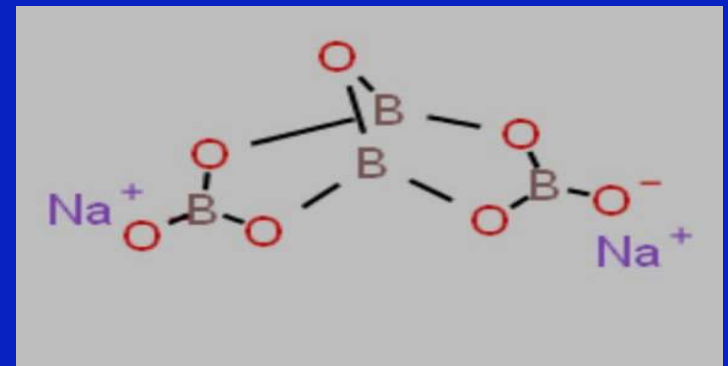
2. HERBICIDES:

1. THESE ARE USED TO INHIBIT THE GROWTH OF WEEDS. HERBICIDES DISTURB THE CONDUCTIVE CONDITIONS FOR THE REACTIONS THAT ARE RESPONSIBLE FOR THE GROWTH OF THE PLANTS.

EX: SODIUM ARSENIC COMPOUNDS, SODIUM BORATE, CHLORATES.



SODIUM ARSENATE



SODIUM BORATE

3. FUNGICIDES:

1. IT IS A SUBSTANCES USED TO KILL FUNGI.

Ex: BLITOX, BAVISTIN, VITAVAX.



4. ACARICIDES:

1. ACARICIDES ARE CHEMICALS USED TO KILL MITES AND TICKS.

EX: DICHLORODIPHENYLTRICHLOROETHANE

5. RHODENTICIDES:

1. RHODENTICIDES ARE PESTICIDES THAT KILL RODENTS LIKE RATS.

EX: WARFARIN, SODIUM FLUORO ACETATE.



HOW TO HANDLE PESTICIDES

1. KEEP PESTICIDES IN ORIGINAL CONTAINERS.

WHILE PREPARING SPRAY SOLUTION

1. ALWAYS USE CLEAN WATER, PROTECT YOUR NOSE, EYES, EARS, HANDS.

2. USE PROTECTIVE CLOTHINGS LIKE **HAND GLOVES, FACE MASKS, APRON, CAP.**

3. READ INSTRUCTIONS ON PESTICIDES CONTAINER LABEL CAREFULLY BEFORE USE.



USES IN AGRICULTURE

1. BIG AGRICULTURE DEVELOPS PATENTED SEEDS USED WITH SPECIFIC PESTICIDES.

2. SALES OF SEEDS LEADS TO INCREASED USE OF THE PESTICIDES.



AGRICULTURE IS OUR CULTURE

THANK YOU

<http://www.trinitycollegenkl.edu.in/>