Age	All ages	Number of people	30 people approximately	Topic	Agro problematics
Date					
Purpose			Time	2 hr	
Name of the activity			Expected learning		
WORKSHOP			Analyze problems through a bigger understanding of agro knowledge		
sequence				Resources	
Presentation (30 minutes	s)				
A presentation of synthetic biology concepts and iGEM will be given.				Material visual de apoyo	
Experts presentation (45	5 minutes)				
A) The tracks and the rubric to be followed to make your proposal will be presented.				Rubric	
They will be divided into teams of 4 to 5 people and assigned a track.					
B) Proposal (15 minutes)					
Once the track is defined you will have 45 minutes to choose a problem related to your track, you will have to make use of synthetic biology and you will have to justify why your proposal is a good solution.				Sheets with the questions: What is the importance of probelmatics? What does your solution consist of? What are your stakeholders? What strategies would you implement to make synthetic biology known?	
C) Submission of propose	als (30 minutes)				
El equipo presentará su propuesta frente a los jueces y se les realizarán 2 preguntas				No material required	
D) Awards (10 minutes)					
The team with the best performance will be awarded				Recognition and awards	
Farewell and invitation t	to follow us on soci	al networks (5 mi	nutes)		





PESTICIDES AND ITS CORRECT DISPOSITION

Ing. Ramón Chavez Monrreal Phytotechnist agronomer

TOPICS

01.PESTICIDES

03.METHOD OF ACTION

05.
CORRECT USE

02. TYPES

04.IMPACT

PESTICIDES

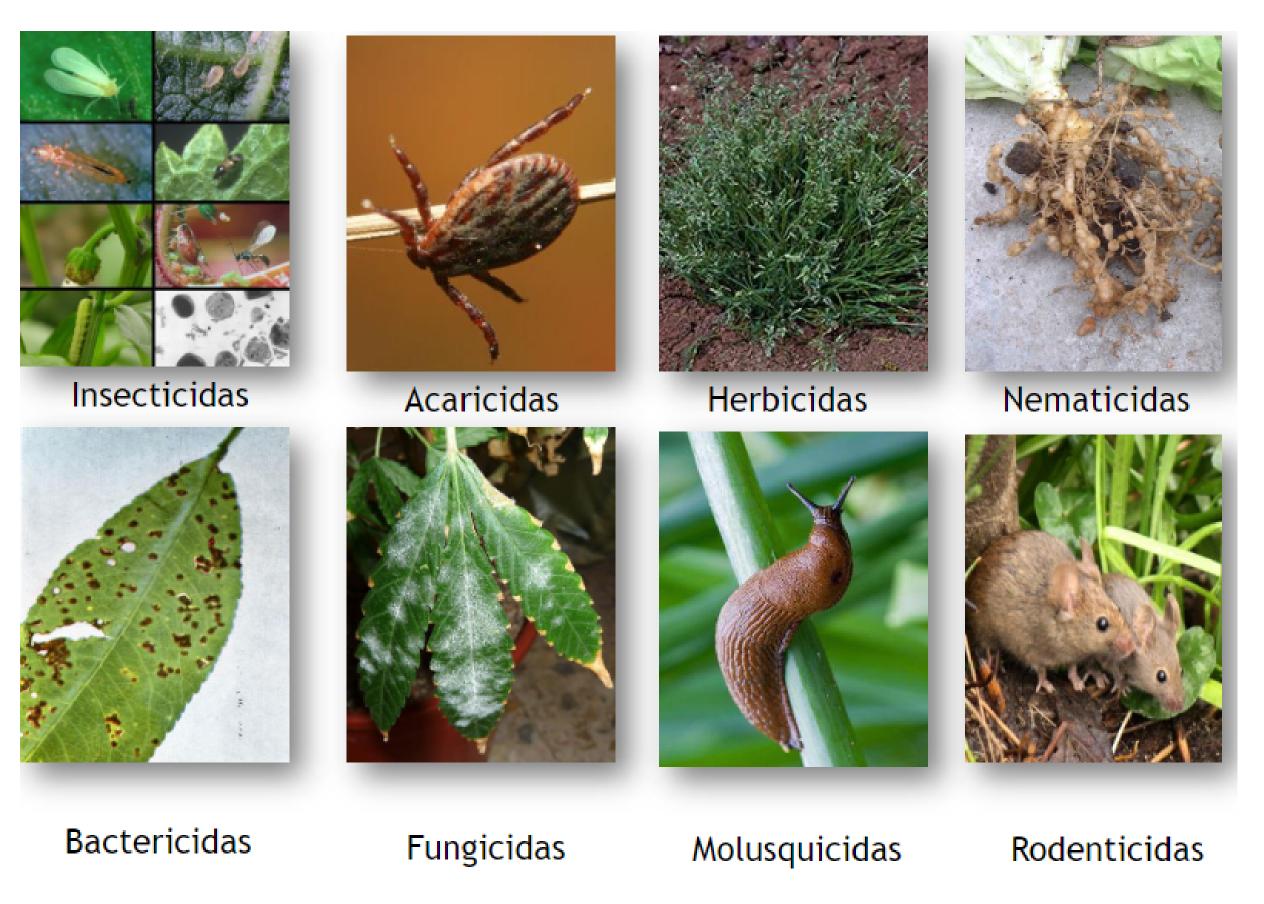
Substance or mixture of substances intended to:

- Prevent
- Repel
- Fight

Pests - Potentially harmful life forms that interfere with crop production.



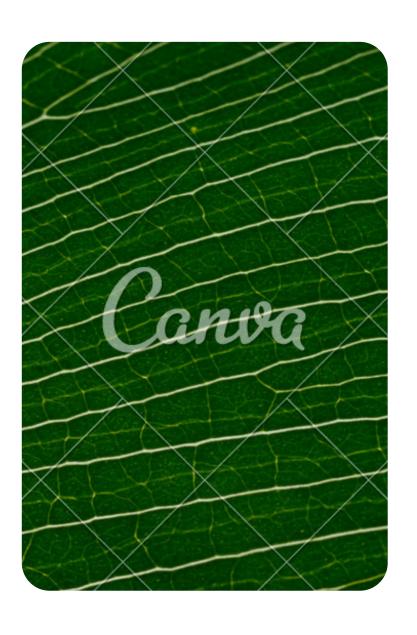
Types



METHOD OF ACTION



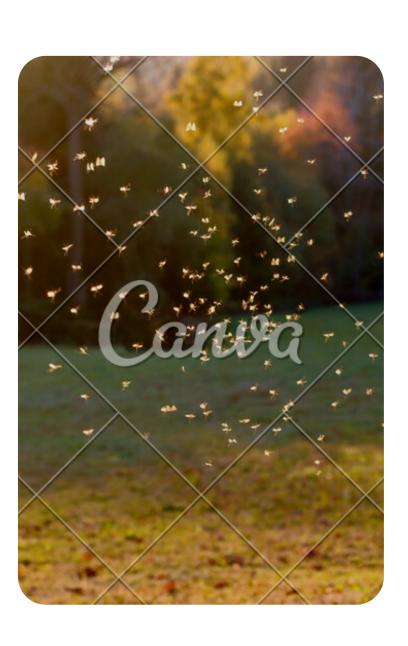
Contact



Sistemic



Ingestion



Repelant

CLASSIFICATION OF PESTICIDES ACCORDING TO PERMANENCE



Very low

Less than 4 weeks



Low

From 4 to 26 weeks



Moderadate

From 27 to 52 weeks



High

From 1 to 20 years

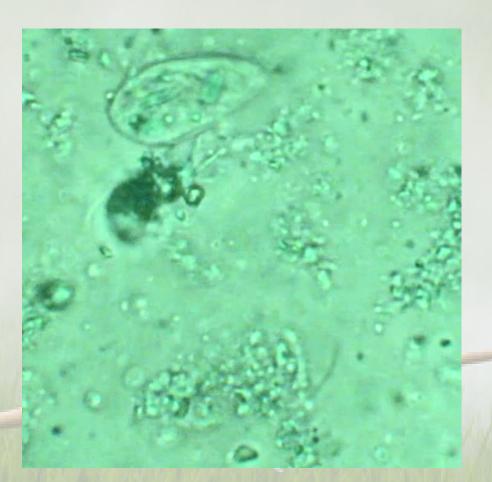


Permanent

Over 20 years

ENVIRONMENTAL IMPACT OF PESTICIDES





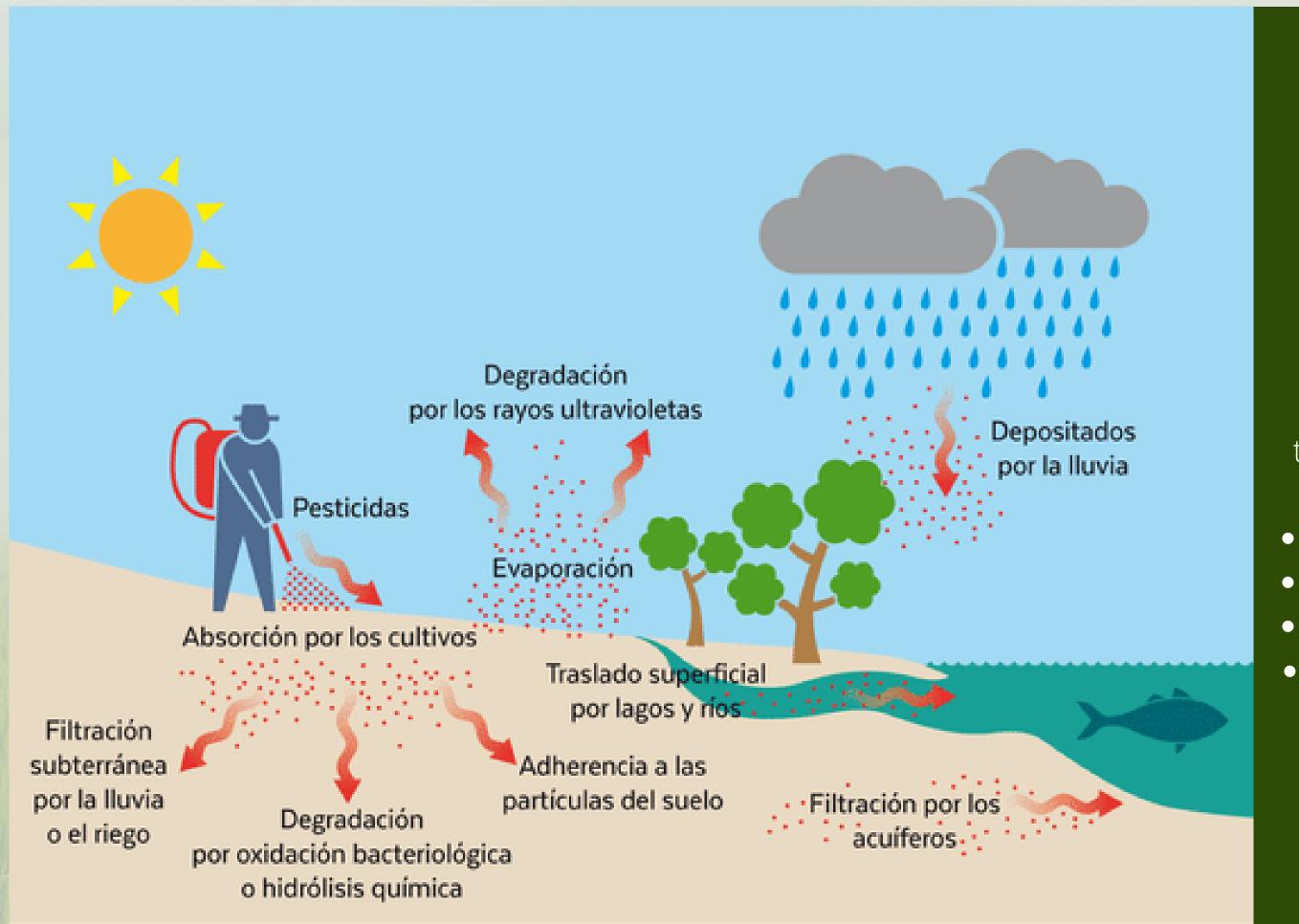


Soil contamination

Groundwater reserves

Biome imbalance

Health



ENVIRONMENTAL IMPACT

This contamination can occur through a number of reactions:

- Volatilization
- Pluvial precipitation
- Infiltrations
- Leaching

Correct Use and Disposal

Harvest practices



It must be ensured that harvests do not exceed the Maximum Permissible Limit in Mexico and the destination market.



The safety interval provided on the labels of the applied products must be complied with.



Harvesting containers must be exclusively used for that purpose and be made of nontoxic materials.



Disposal of pesticides



Do not empty them into sewers

Wastewater treatment plants are not designed to remove all chemicaltoxic elements. Emptying them into sinks, toilets and sewers pollutes and is against the law.



Read the label

For proper removal, you must read the label in the "Storage and disposal" section or take them to a hazardous waste collection center when specified.



Protection equipment

After emptying a pesticide container, rinse it properly for recycling. Wear protective clothing, chemical resistant gloves, and safety glasses when doing this. Do not reuse for anything else!

CAT Classification Farmer Performs triple washing, separation, protection and transfer to the CAT Recycled Clean Compacted **CAT Receives** Classification and issues receipt **Contaminated Incinerated** Compacted

