



FRESHER WATER

Thirsty Farming

Explorer Challenge: Build an argument 'for and against' using chemicals in farming

Chemicals used in Agriculture

Pesticides- include all materials that are used to prevent, destroy or reduce pest organisms.

Examples include:

- **Insecticides** – controls harmful insects pests that damage crops
- **Repellents**- repel mammals and birds that damage crops
- **Fungicides**- controls diseases that damage field crops
- **Herbicides**- controls weeds
- **Rodenticides** – controls rats and other rodents
- **Plant growth** -regulators- promote or slow down the growth of field crops

Fertilisers- contain minerals to improve soil quality and help crops to grow.



Key Questions

- ❖ What are the effects of using these chemicals on the land, wildlife and humans?
- ❖ What is the effect on the food produced?
- ❖ Why are chemicals used in this way?
- ❖ What are the benefits to the economy and trade?



Are you 'For or Against' using chemicals and pesticides in agriculture?



Use some drama techniques to help you explore how you feel, and use resource 3 and resource 4 to help you.





Count how many people saw the display.



Count how many people interacted with the display e.g. by putting a post-it on it.

Don't forget to **write** a blog and **upload** a photo of your display



Explore
Further



Explore the science of these chemicals.

- ❖ How do they actually work?
- ❖ What matter do they originate from?

Create some Chemical Fact Sheets that describe each chemical.

