G R O W



Watch this video on how breeding works:

https://www.youtube.com/watch?v=q02g\_OKTByM



What is plant breeding?
How long do you think it could take to get the desired traits using this method?



## **RESOURCE ROUND UP**

**Check out this website and video from Bayer CropScience:** 

https://www.cropscience.bayer.com/innovations/seeds-traits/plant-breeding

As you click through, think about and write down:

- Where and when were the first genetically modified seeds created?
- What colour were carrots before we bred them to be orange?
- How many years have we been breeding bananas?
- Which vegetables originated from mustard seeds?

Consumer Understanding of Modern Agriculture:

https://www.theglobeandmail.com/life/adv/article-advancing-consumer-understanding-of-modern-agriculture/

Facts and Figures on GMOs:

https://croplife.ca/facts-figures/gmos-in-canada/





## **OBSERVE RESULTS OF YOUR LEARNING**

Create a chart for plant breeding.

	Year it began	Picture of a plant	Other Crop Examples	Benefits
Cross Breeding				
Mutagenesis				
Transgenesis				
Genome Editing				



## WHAT DID YOU LEARN?

How long have we been breeding and modifying plants for specific traits?

How are plants bred for specific traits benefiting: Environment, Farmers and Consumers?



