



CREDIT VALLEY
CONSERVATION

Food, Farming and Climate Change



*Climate Change Solutions
for the Credit River*

Student Guide

Food, Farming, and Climate Change - Student Activity Guide

Activity # 2 - How Farms Affect Climate Change

As mentioned in the video, we all rely on agriculture for food, clothing and energy. Different types of agriculture affect the environment in different ways. Some types of agricultural practices can help mitigate climate change, while others contribute to climate change through carbon emissions.

For this activity you will research different types of farms, farming techniques or farm technologies and describe their impact on climate change. For example there are large-scale farming operations such as factory farms and cash crops, large-and small-scale organic farms, and permaculture gardens. Techniques could include things such as biodynamic farming, crop rotation, cover cropping, composting and regenerative grazing. Some examples of technologies could be the evolution of farm machinery, the genetic engineering of crops or the development of new organic pesticides. Choose a topic that is of interest to your group.

Research your topic of interest at the library or online. Use what you learned to make a presentation to your class. During your presentation you should cover the following:

What type of farm, farming technique or technology did you research? Describe the farm, technique or technology.

What does the farm produce? (food - animal or vegetable, fuel, or fibre for clothing, paper etc) or what type of crop(s) is the technology used for?

How does this type of farming (or farm technology) either contribute to or mitigate climate change? And in what way?

