



Build Competencies in **sustainability** MATTERS

PROJECT

Agriculture

9

11

Sustainability practices



MAKE IT PERSONAL

How do you think the sustainable practices used by farmers affect you?



EXPLORE

1. Analyzing Environmental Footprints

Compare the environmental footprint of the three agricultural products involved in a Life Cycle Assessment.

Use the infographics in the **HOW CAN AGRICULTURAL ENVIRONMENTS CONTRIBUTE TO SUSTAINABILITY?** carousel slide to complete a **Retrieval Chart**, labelled like the example below. Respond to the questions that follow.



	Carbon footprint	Water use	Land use
Dairy			
Egg			
Chicken			



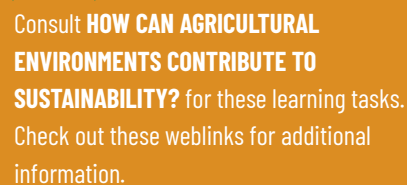
Consult **HOW CAN AGRICULTURAL ENVIRONMENTS CONTRIBUTE TO SUSTAINABILITY?** for these learning tasks. Use the Learning Source and the information for this guiding question in the **Sustainability Matters** carousel on www.projectagriculture.ca. Check out these weblinks for additional information.

Get an overview of the LCA of Canadian Chicken Farmers at www.chickenfarmers.ca/the-chicken-industry-life-cycle-assessment-lca/.

Find information on egg farmers and the environment at <https://eggs.ab.ca/farming/environment/>.

Read an online article on the future and sustainability of dairy farming at <https://dairyfarmersofcanada.ca/en/farming-future-sustainability-dairy-farming>.

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Go to the BestFoodFacts website at www.bestfoodfacts.org and search for “sustainable agriculture” to find a variety of articles on sustainability.

**Read the full report on wildlife
habitats and agriculture from
Statistics Canada at [www150.statcan.
gc.ca/n1/pub/16-002-x/2015002/
article/14133-eng.htm](http://www150.statcan.gc.ca/n1/pub/16-002-x/2015002/article/14133-eng.htm).**



An agricultural environment is also an ecosystem. Work with a partner to create a **Cycle Diagram** of an agricultural ecosystem. Focus on **one** type of agricultural product.

