



Researching sustainable practises on a grain farm

The goal of the research is to become a subject expert on common sustainable practises that are being done on a grain farm to keep our soil, waterways, and surrounding environments protected and healthy to continue to grow food in the future.

Research one of the following topics and fill out the answers on your research guide.

- Crop rotation
- Growing cover crops
- Strip inter cropping
- No till or minimal tillage
- Precision agriculture
- Planting field borders and wind breaks
- Bio control agents
- Bio -technology

Sustainable Practises Research Guide	
1. Describe your sustainable agriculture practice.	
2. When or why is it used? Are there particular situations it is good for (for example, on a hill or near a road or a body of water)?	
3. What is the major environmental benefit of this practice?	
4. What are some additional benefits of this practice?	
5. How does this agriculture practice directly impact biodiversity?	
List any new vocabulary associated with the practice.	
List all of the resources you used to answer the questions above.	

Research Guide Resources

Helpful websites

A Primer on Ontario Cropping and Tillage Systems
<https://tdaynard.com/2014/04/06/a-primer-on-ontario-cropping-and-tillage-systems-2/>

Agriculture & Agri-food Canada
<http://www.agr.gc.ca/>

Biodiversity International
www.biodiversityinternational.org

Good in Every Grain
www.goodineverygrain.ca

Grain Farmers of Ontario
www.gfo.ca

Environmental Sustainability of Canadian Agriculture
Report #1 (2000)
<http://www.agr.gc.ca/resources/prod/doc/policy/environment/pdfs/aei/summary.pdf>
Report #2 (2005)
<http://www.ecomatters.com/NAHARPFULL.pdf>
Reports #3 (2010)
http://publications.gc.ca/collections/collection_2011/agr/A22-201-2010-eng.pdf

Food and Agricultural Organization of the United Nations: Natural Resources and Environment - The Importance of Soil Organic Matter
www.fao.org

Ontario Grain Farmer magazine
www.ontariograinfarmer.ca

Ontario Ministry of Agriculture, Food & Rural Affairs
www.omafra.gov.on.ca

Ontario Soil & Crop Improvement Association
www.ontariosoilcrop.org

Precision Agriculture
<https://croplife.ca/field-notes-precision-agriculture-canada/>

Soil Conservation Council of Canada
<http://www.soilcc.ca/resources.htm>

Soil Management
<http://www.omafra.gov.on.ca/english/crops/pub811/8building.htm>

Sustainable Agriculture
<http://discover.monsanto.com/sustainable-agriculture/>

The Good Growth Plan
<http://www4.syngenta.com/what-we-do/the-good-growth-plan>

The Value of Biodiversity
http://www.naturesask.ca/rsu_docs/faming-and-biodiversity.pdf

