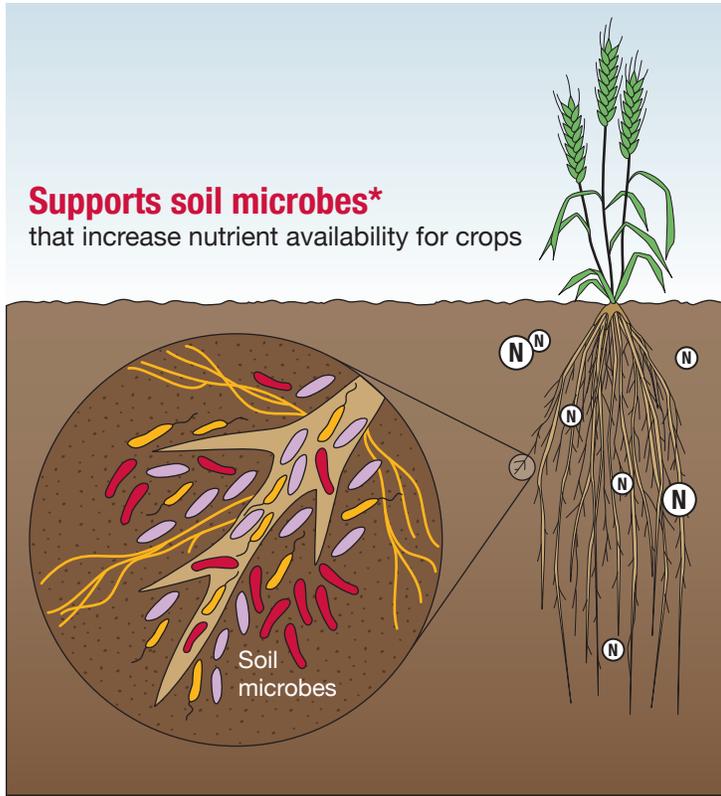


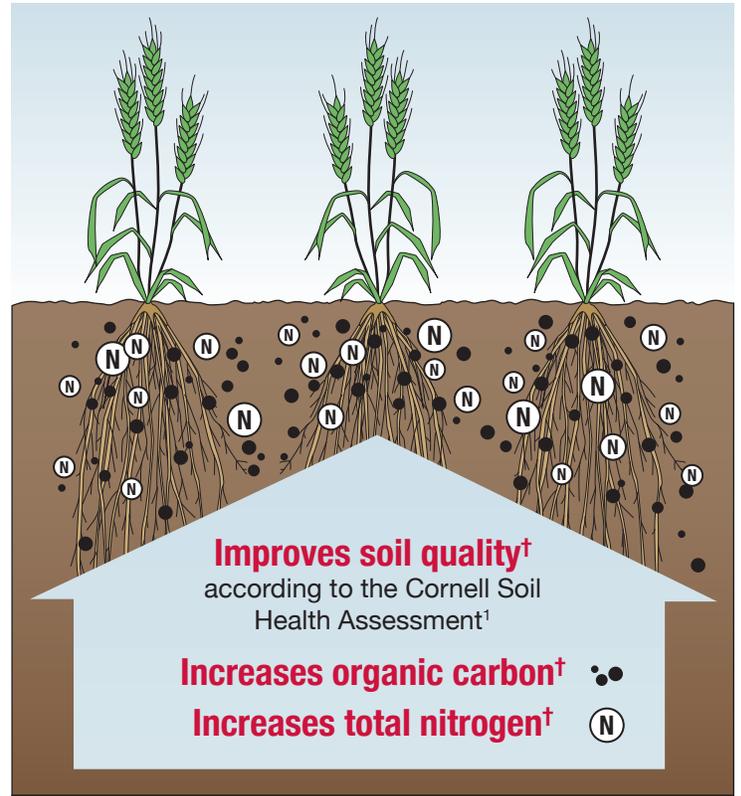
# Improves soil health

Improve soil quality by adding a small grain cereal (e.g., winter wheat) or a forage crop to your farm's corn-soybean rotation. Research shows that these rotations increase overall soil health. When you add winter wheat into your rotation and combine it with reduced tillage, it leads to higher levels of total nitrogen and organic carbon in the soil and benefits soil microbes. Make your farm more resilient and improve soil health for the future of your farm by diversifying your rotation and reducing tillage.

## Benefits of adding a small grain cereal or forage crop to your corn-soybean rotation:



\* Crop rotation with small cereal or forage crop



† Crop rotation with small cereal or forage crop + reduced tillage

Source:

1 Van Eerd L.L., Congreves K., Hayes A., Verhallen A., Hooker D. (2014). Long-term tillage and crop rotation effects on soil quality, organic carbon, and total nitrogen. *Canadian Journal of Soil Science* 94:303-315.



**Want to dig deeper?**  
Read the scientific papers, available at [uoguel.ph/crop-rotation](http://uoguel.ph/crop-rotation).



### Celebrating 65 years of long-term crop rotation field research

**Some innovations take time.** Long-term crop and soil research generates the evidence farmers need to be competitive and sustainable. The Elora Research Station and Ridgetown Campus have housed applied long-term crop rotation, tillage system and nitrogen management experiments since 1980 and 1995, respectively, generating results that benefit the agri-food sector and farmers in Ontario and around the world.



The Elora and Ridgetown Research Stations are two of 15 agricultural research stations across the province that are owned by the Agricultural Research Institute of Ontario and managed by the University of Guelph through the Ontario Agri-Food Innovation Alliance, a collaboration between the Government of Ontario and the University of Guelph.

Infographics created by the [Ontario Agri-Food Innovation Alliance](http://Ontario Agri-Food Innovation Alliance) in collaboration with [SOILS AT GUELPH](http://SOILS AT GUELPH).

