

Global Welfare\_We care

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Link of the post: [shorturl.at/rvP27](https://shorturl.at/rvP27)

**[Day 11 Soil]**

“The soil is the great connector of lives, the source and destination of all. It is the healer and restorer and resurrector, by which disease passes into health, age into youth, death into life. Without proper care for it we can have no community, because without proper care for it we can have no life.”, *by Theresa Peluso, 2020*

**The problem now in Canada:**



In all of Canada, cropland (Class 1, 2 and 3 soils) makes up slightly more than 5 percent of Canada's total land area – just under 46 million hectares. (One hectare is 10,000 square metres.) The percentage of Ontario territory that is farmland is less than 5 percent (about 20,750 ha), based on data that is already nearly 10 years old. In fact, according to the Ontario Farmland Trust, we continue to lose 175 acres (70.82 ha) every day in Ontario, and we're losing our best, most productive agricultural soils the fastest.

“Agriculture is the art and science of digging up soil to grow crops and raise livestock”

**What can we do for now?**

**Grasslands, peatlands and agriculture offer the greatest opportunities**

Among the various interventions analyzed, the study notes, protecting grasslands by stopping their agricultural conversion produces annual CO<sub>2</sub> savings of 12.7 million tons. The plan, which aims to protect the carbon-conserving capacity of these lands, is based on the protection of 2.5 million hectares of native and pasture soil between 2021 and 2030, primarily in the Prairie Pothole region in Alberta, Saskatchewan and Manitoba. (Matteo Cavallito, 2022)

The forest resources in Canada represent 9% of world resources. The offset of preservation is a huge saving for carbon capture. It is hard to get a balance between regeneration and depletion. However, the Canada government invest over 40 billion dollars on nature-based solution to be a carbon net

zero country. We hope it will work and look forward to seeing the carbon emission number decreasing yearly.

**Three fun facts:**

- 1. CAFO is existing and it loses balance between economic and environment**
- 2. The content of water uptake: Garden soil >Clay soil>Sand, (we normally choose the middle one)**
- 3. Conventional/ Degenerative agriculture have damaged lands for hundreds of thousands of year.**

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Post



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