

Do you have shelterbelts on your farm that need replanting? Or would you like to plant more?

We are U of A researchers looking at how to capture and store carbon and greenhouse gases in agroforest areas. See some of our past work at aggp.ales.ualberta.ca

If you have shelterbelts or hedgerows near cropland on your property with some large (around 10 m/33 ft long) holes in it, or you'd like to plant more, your farm might be right for our study!

What we're looking for:

Over FOUR growing seasons (2017-2020),

- Three 10 x 3 m (33 x 10 ft) monitoring plots in forested areas (shelterbelt or hedgerow), AND
- Three 5 x 5 m (17 x 17 ft) monitoring plots in fields nearby

What you get:

- 10 m of shelterbelt will be established with trees and shrubs.
- To build sound scientific evidence for greenhouse gases sequestration in agroforestry systems

If you'd like to participate, please email or phone:

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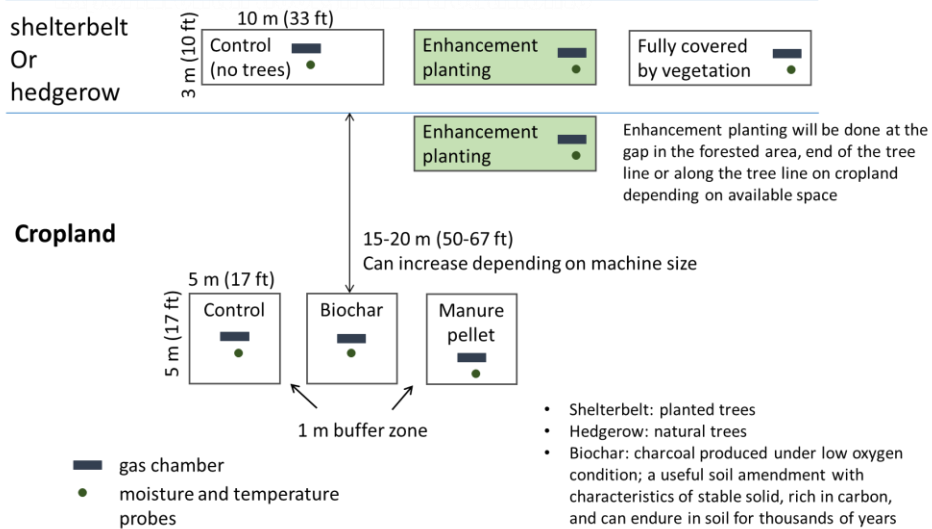
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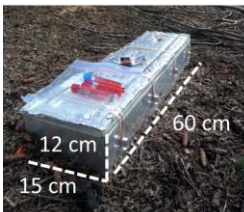
What the monitoring plots will look like:

Forested area



- Since we're only monitoring the soil, the plots can be planted and harvested as usual.
- The "enhancement planting" plot will be planted with fast-growing trees and shrubs. The "control" will be left as is.
- Equipment will be installed to monitor emissions and conditions, and we will harvest small crop samples of about 3m² (32 sq ft) on each plot in fall.
- We will visit every two weeks during the growing season and fall.

Equipment on each plot (removed during winter):



Gas chamber



Soil temperature and moisture probes