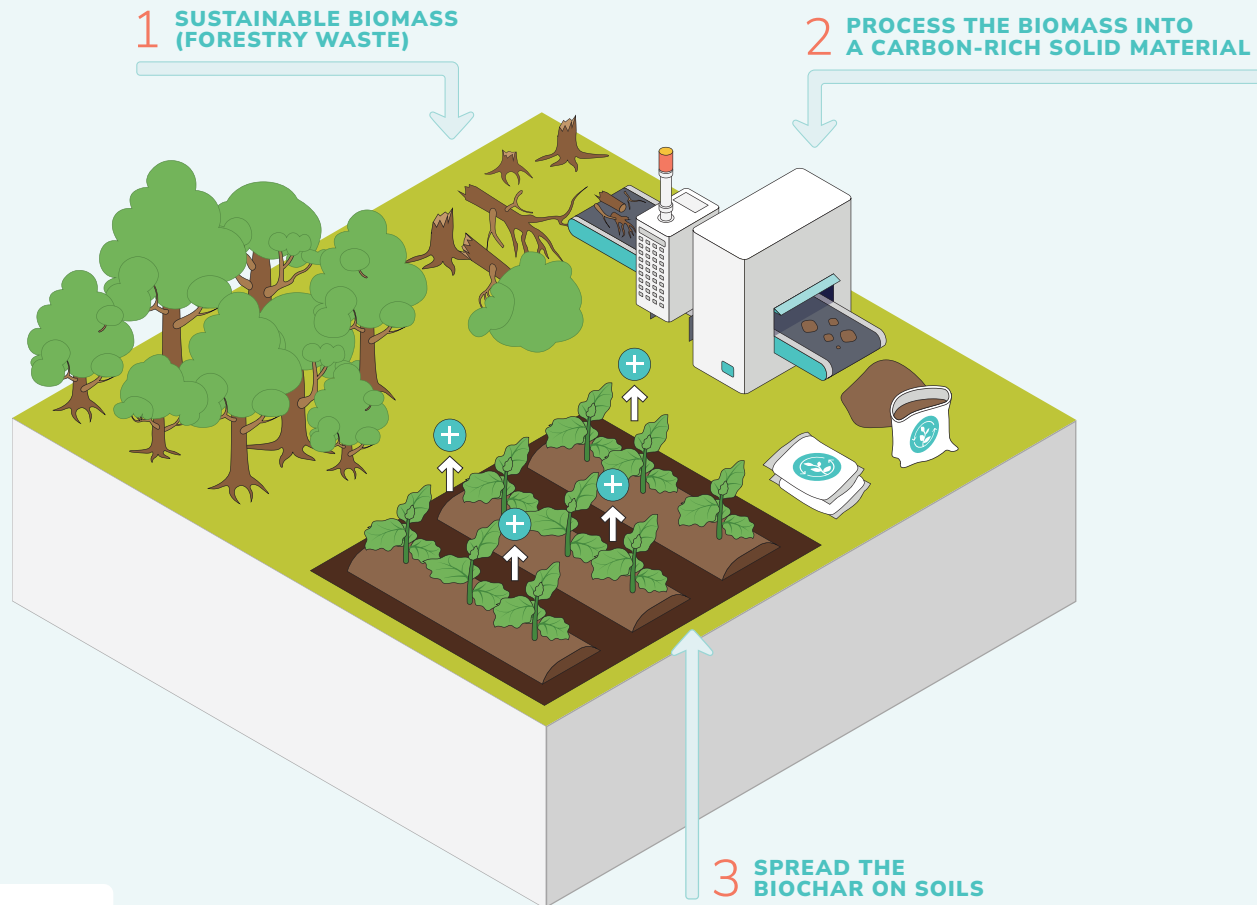


Carbon removal from the ground up

We can't solve climate change without carbon removal

Biochar



QUICK FACTS

Future Estimated Cost: \$10 - 345 per tonne of CO₂

Potential 2050 Global Capacity: ~0.3 - 6.6 billion tonnes of CO₂ per year

What is carbon removal?

Carbon removal is the process of cleaning up carbon dioxide (CO₂) already in the atmosphere and storing it away for centuries or longer. Even if we cut emissions significantly, Canada cannot reach net-zero without also scaling carbon removal solutions to counterbalance any residual emissions. Beyond net-zero, carbon removal can help tackle historical emissions and turn back the clock on the worst impacts of climate change.

What is Biochar?

Biochar is similar to compost; agricultural and forestry waste that has naturally absorbed CO₂ over its lifespan is heated in a low-oxygen environment to form a carbon-rich solid. The resulting product is more resistant to decay, storing the carbon away for centuries or longer while also being used for a variety of purposes, including improving soil health on agricultural lands.

