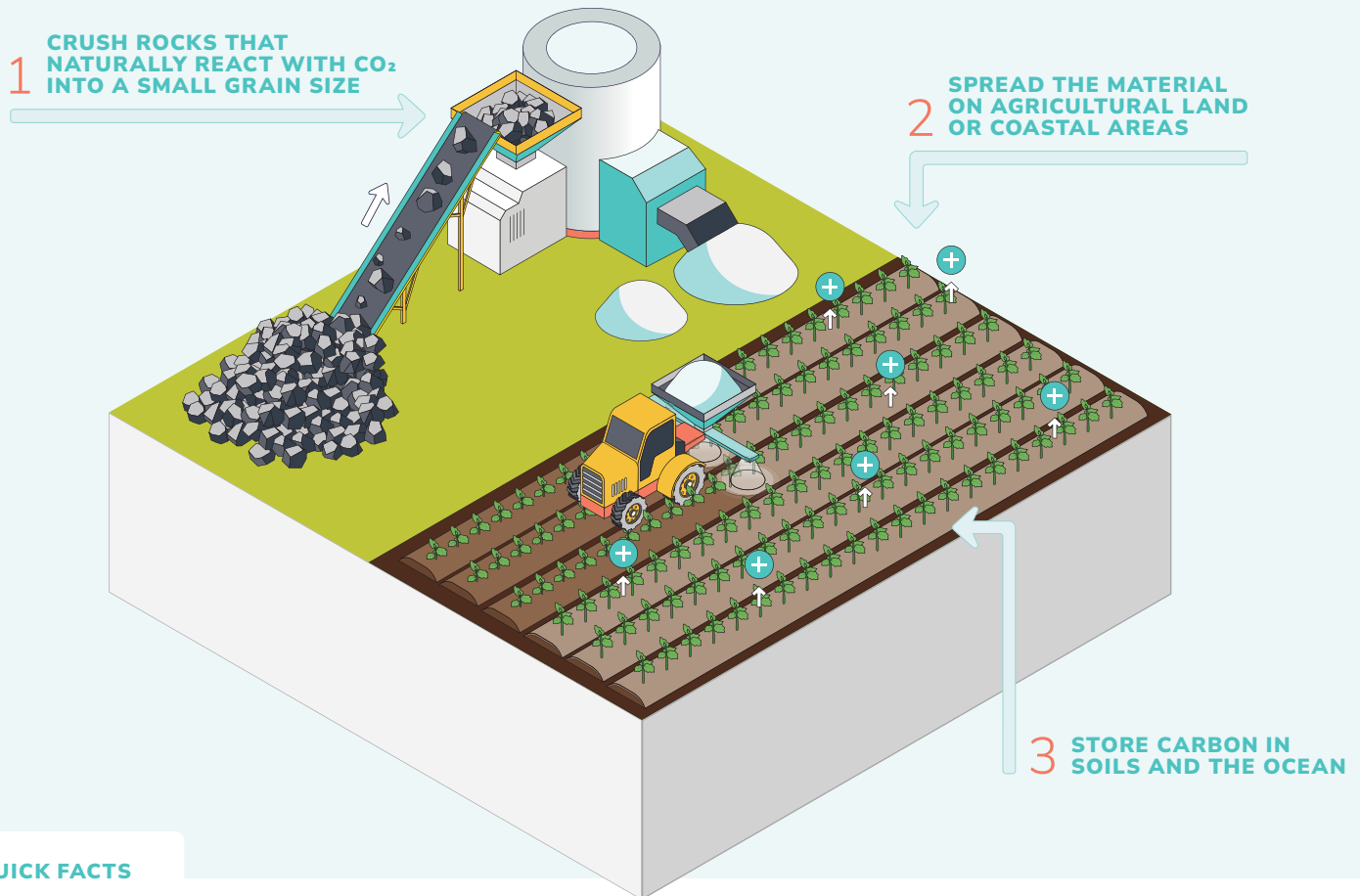


Carbon removal is growing crops and feeding the world

We can't solve climate change without carbon removal

Enhanced Rock Weathering



QUICK FACTS

Future Estimated Cost: \$50 - 200 per metric ton of CO₂

Potential 2050 Global Capacity: ~2 - 4 billion metric tons of CO₂ per year

Jobs Associated with 20Mt CO₂ Removal Per Year: 2,500 - 3,000 temporary jobs and 22,000 to 29,500 permanent jobs

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 Enhanced Rock Weathering (ERW)?

Certain rocks and minerals naturally absorb CO₂ from the atmosphere very slowly, but by crushing them, we can increase their surface area and speed up this process. These carbon-rich minerals can then be used as fertilizer and spread on farmer's fields, which enhances soil health and boosts crop production. With ERW, Canada can help feed the world and increase farmers' pay cheques while safely removing and storing carbon.

