



Global

## Satelligence: Creating greater visibility into deforestation

Cargill partners with **Satelligence**, a company that helps businesses transition to more sustainable sourcing models. As part of this collaboration, Satelligence provides Cargill with near-real time, satellite-powered deforestation risk monitoring across its soy, palm oil, and cocoa supply chains. This enhances our monitoring capabilities for these critical supply chains in support of our goal to be deforestation-free by 2030.

Partners like Satelligence are critical to ensure Cargill has lasting solutions that will help protect, regenerate, and restore landscapes that nourish people, animals, and the planet.



Brazil

## Conservation Science Partners: Helping to improve biodiversity impact measurement

Cargill is partnering with **Conservation Science Partners** (CSP) to develop a biodiversity baseline for soybean-producing landscapes within Brazil's Cerrado biome. To do this, CSP uses a modeling approach informed by multiple data sources to predict and reveal where critical biodiversity is expected to be found within native vegetation directly adjacent to soybean fields. For example, the model estimated there are 3 million hectares of habitat capable of supporting jaguars in soy-adjacent areas, with a portion of this being on soy producers' land protected by Cargill's sourcing commitments.

CSP also developed a first-of-its-kind map of multi-species connectivity across the Cerrado, capturing important movement pathways for 20 mammalian species, including giant anteater, giant armadillo, jaguar, maned wolf, and tapir. The biodiversity maps generated are being explored for various use cases, such as prioritizing future landscape interventions and quantifying the impact of ongoing protection and restoration activities.





North America

# BeefUp: Revitalizing land in the beef supply chain

Within our North American beef supply chain, Cargill helps protect biodiversity on productive land by working with customers, farmers, ranchers, and nonprofits to advance regenerative agriculture practices like rotational grazing, grassland restoration, cover cropping, and reduced tillage across grazing lands and in fields where corn is grown to feed cattle. These practices help store carbon in the soil instead of the atmosphere, revitalizing agricultural lands, increasing water availability in the ground, and bringing benefits to both ranchers and our planet.

As part of our **BeefUp Sustainability initiative**, we work with the National Fish and Wildlife Foundation (NFWF) to restore functioning native grasslands, such as those in the U.S. Northern Great Plains. An element of this work includes grassland bird monitoring to measure population responses to activities driven by NFWF grants, which are partially funded by Cargill. Initial results of this monitoring show statistically significant increases in bird populations, including in areas where BeefUp programs have supported improved grazing management that produces a greater diversity of grass species and heights. In addition to improving soil health, increasing carbon sequestration, and increasing forage for ranchers, these interventions are increasing the quality and quantity of habitat available for native bird species.

“We believe beef can be a force for good: a force to address the urgency of climate change, feed a growing population, and build a stronger, more resilient food supply chain.”

**Jon Nash**

Executive Vice President, Food  
Cargill



## Anticipated outcomes from the NFWF Northern Great Plains program

299,000+ acres  
restored

163,000+ acres  
placed under conservation easement

420+ miles  
of fencing removed or improved  
to wildlife-friendly specifications

1.7 million+ acres  
of habitat experienced  
improved management





# Scaling regenerative agriculture

As a company, we sit at the intersection of farmers and customers. This makes us uniquely positioned to help drive scale and support farmer adoption of regenerative agriculture, which encompasses farming and ranching systems that build resilience and deliver positive environmental outcomes for people and our planet. Cargill's vision is to make regenerative agriculture commonplace across our global supply chains.

We focus our efforts in areas that support farmers' goals and business objectives, as well as programs that can help maximize impact by delivering multiple benefits, such as climate action and sustainable land use in our supply chains.

We are partnering with farmers to help them increase their productivity and resiliency by promoting innovative agricultural practices, providing inclusive market access, and building resilient agricultural communities.

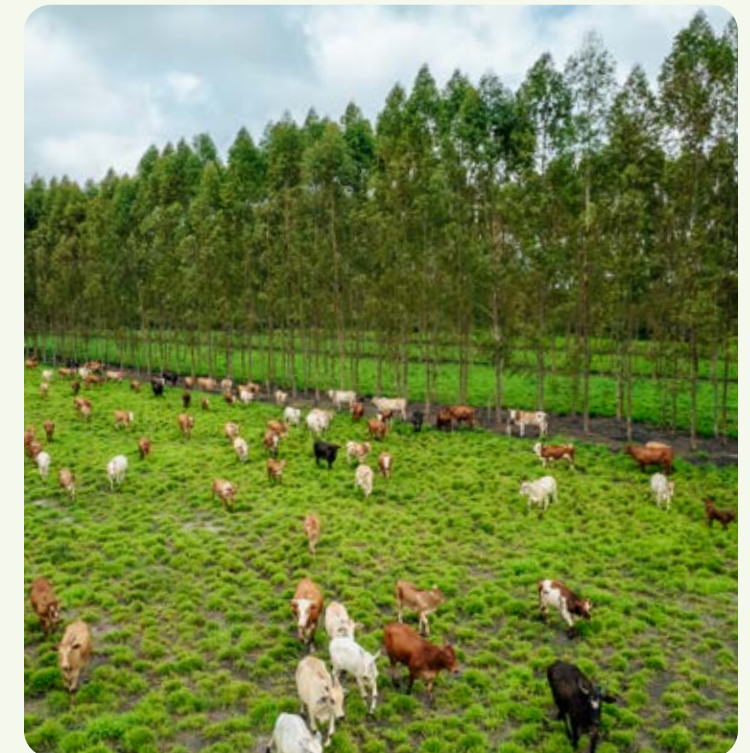
## Our goal:

**Advance regenerative agriculture practices across 10 million acres of North American agricultural land by 2030**

## Regenerating 10 million acres across North America

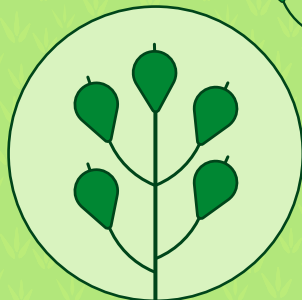


<sup>1</sup> Cumulative acres since 2020.



# Benefits of regenerative agriculture

Regenerative farming practices build resilience and deliver positive outcomes for people and our planet.  
Methods include:



## Cover crops

Improves soil health, soil water-holding capacity, and water quality; reduces erosion; increases soil carbon sequestration; enhances biodiversity



## Rotational grazing

Improves soil health, pasture health, and water quality; reduces erosion; increases soil carbon sequestration; enhances biodiversity; promotes better animal health and productivity



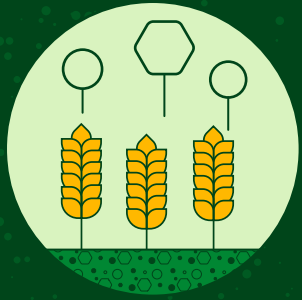
## Agroforestry

Improves soil health and water quality, reduces erosion, increases soil carbon sequestration, enhances biodiversity, promotes farm income diversification



## No/minimum tillage

Improves soil health, soil water-holding capacity, and water quality; reduces erosion; increases soil carbon sequestration; reduces fuel and labor costs



## Nutrient management

Improves soil health and water quality, reduces GHG emissions, reduces fertilizer costs, maximizes yields



## System-wide benefits for farmers

Improves soil health and water outcomes, reduces GHG emissions and increases soil carbon sequestration, enhances biodiversity, builds more resilient farm operations, increases productivity



# Regenerative agriculture projects, programs, and partnerships around the globe

We provide tailored solutions to deliver economic and environmental benefits for each farm's unique needs. By partnering with farmers, we account for factors like soil type, landscape, commodity grown, acres, equipment, and weather variability to ensure practices are suited to their specific operations and location.

## NORTH AMERICA

### Cargill RegenConnect®

Pays farmers for environmental outcomes created by the adoption of regenerative agriculture practices across a number of crops, as well as good nutrient stewardship and regeneratively-sourced cotton  
*See also Europe*

### Success from the Ground Up

Supports U.S. soil health organizations in accelerating farmer training and adoption of regenerative agriculture practices

### The Soil Health Institute

Makes data accessible to farmers and sustainability experts in North America, helping enhance drought resilience, soil health, and regenerative agriculture

### BeefUp

Collaborates with customers, farmers, ranchers, and nonprofits to advance regenerative agriculture practices.  
See Case Study on [page 23](#)

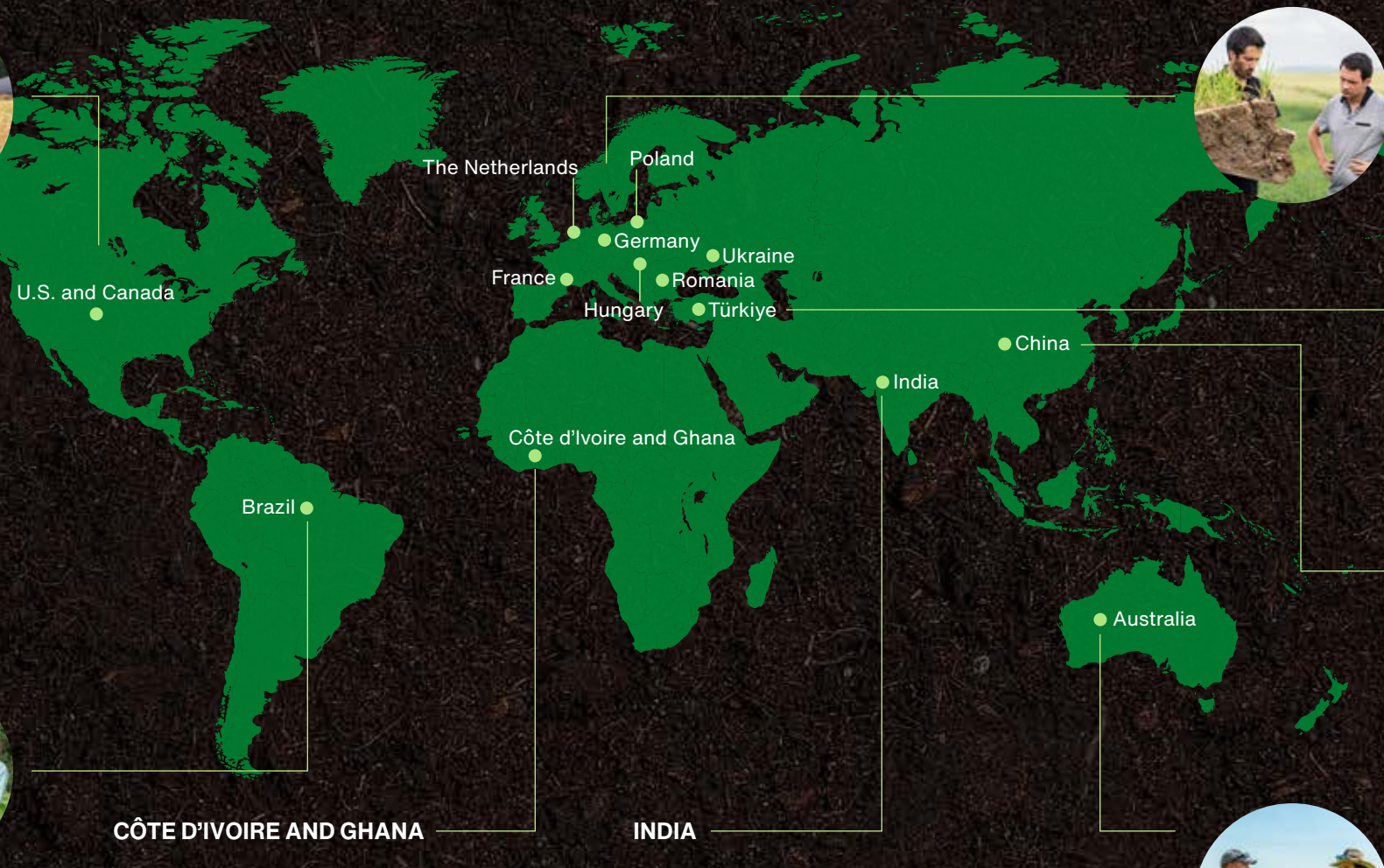
## BRAZIL

### ReSolu

Promotes resilient production systems by converting degraded areas through agronomic management and regenerative agriculture, and adopting sustainable practices to improve soil health

### Regenera Cerrado

Validates the impacts and cost-benefit of regenerative agriculture in soybean and corn production



## CÔTE D'IVOIRE AND GHANA

### Agroforestry with PUR

Helps restore and preserve forests by funding the cost of seedlings and providing cocoa growers with on-the-ground expertise

## INDIA

### SRISHTI "Creation" program with TechnoServe

Enables maize farmers in the state of Karnataka to adopt regenerative agriculture practices and conserve water

## EUROPE

### Cargill RegenConnect®

*See description under North America*

### Wageningen University & Research

Researches common European crops to provide insights, identify gaps, and recommend transitions to regenerative agriculture

## TÜRKIYE

### 1000 Farmers Endless Prosperity

Supports Turkish corn, sunflower, and canola farmers in sustainable practices to boost productivity and earnings and drive social and digital transformation in agriculture

## CHINA

### Regenerative Agriculture Research and Farm Pilots

Enhances awareness of regenerative agriculture in China and advocates for supportive policies

## AUSTRALIA

### Cargill SustainConnect™

Compensates Australian canola farmers for adopting sustainable practices that improve soil health and decarbonize the agricultural supply chain





# Supporting industry coalitions

Transitioning global food systems requires urgent and collaborative action that includes support for farmers, government policies, and educational efforts. Collaboration in areas such as regenerative agriculture and food security enables us to accelerate these efforts.



Global

## WBCSD Action Agenda on Regenerative Landscapes

Along with more than 30 other leading food and agriculture organizations, Cargill signed onto the COP28 Action Agenda on Regenerative Landscapes. This initiative was led by the COP28 Presidency, the World Business Council for Sustainable Development (WBCSD), and Boston Consulting Group, and was supported by the U.N. Climate Change High-Level Champions.

The Action Agenda aims to support the transition of large agricultural landscapes to regenerative landscapes by 2030. To support this, the initiative will connect farmers, value chain players, financiers, and the public sector across landscapes. Organizations involved in the initiative are engaging 3.6 million farmers across more than 160 million hectares of land in more than 115 countries. These best practices will then be amplified to encourage other organizations to embrace regenerative practices at scale.

Through 2025, organizations in the Action Agenda will act on their commitments to deliver impacts across climate, water, soil health, biodiversity, and improving farmers' livelihoods. Approximately \$2 billion has already been invested by participating organizations, to be followed by an additional committed investment of \$2.2 billion.



Global

## Vision for Adapted Crops and Soils: Leadership on global food security

The Vision for Adapted Crops and Soils (VACS) is a partnership embraced by governments around the world, NGOs, the private sector, and others to address the reality of climate change threatening our global food systems. As both catastrophic weather events and the global demand for food increase, VACS aims to find solutions by investing in climate-resilient, nutritious crop varieties and healthy, fertile soils.

Cargill supports the initiative, which was initially founded by the Food and Agriculture Organization of the United Nations, the African Union, The Rockefeller Foundation, and the Consortium of International Agricultural Research Centers, and has now become a movement to advance climate-resistant food systems and food security.



# Water

Water is essential for nature, people, industry, and agriculture. With about 70% of annual freshwater used for agriculture, the public and private sector must work together to produce food sustainably to meet the demands of a growing global population. Cargill is working to enable a water-positive impact across our operations, supply chains, and communities by 2030. We intend to do this by addressing the shared water challenges of availability, quality, and access to safe drinking water, sanitation, and hygiene (WASH) across our operations, agricultural supply chains, and communities.

Our approach goes beyond our own operational footprint to the communities where we operate and where we can have the greatest impact: our agricultural supply chains, which account for more than 90% of our water footprint.

Cargill's supply chain water strategy relies on partnerships with farmers, ranchers, and suppliers. Together, we develop and scale solutions to help address local water challenges.

## Our water commitment

**Operations:** Implement water stewardship practices at all 68 priority water facilities

**Supply Chains:** Enable the restoration of 600 billion liters of water and reduction of 5,000 metric tons of water pollutants in water-stressed regions

**Communities:** Enable improved access to safe drinking water and sanitation, reaching 500,000 people in priority communities

## Our impact

**85% average implementation of water stewardship practices at 68 priority facilities**

**38 billion liters of water restoration and 297 metric tons of nitrogen equivalent reduction enabled in water-stressed regions across our supply chains**

**More than 160,000 people reached in communities where we live and work, enabling improved access to safe drinking water and sanitation**

## Water in our operations

We are working to eliminate unsustainable water impacts within our footprint and increase understanding, compliance, and reporting of water use, impacts, and risks at Cargill facilities. We are also committed to providing access to WASH for employees and contractors at our facilities.

In our operations, we aim to apply industry-leading approaches to reduce our use of freshwater as part of our water stewardship program. In one of our wheat processing facilities in Manchester, U.K., we have applied predictive modeling to the daily control of our operations and have used historic performance data to reduce freshwater use and optimize the reuse of process condensate at the facility. This program resulted in approximately 100 million liters of reduced water use per year.

## Water in our supply chain

By 2050, feeding a planet of 9 billion people will require an estimated 50% increase in agricultural production. Engagement across our supply chain can have the biggest impact on improving water quality and availability for the future. To create this impact, we work with farmers, ranchers, and other partners to develop solutions, such as regenerative agriculture, which improve water resiliency and quality.

We complement these efforts with programs and partnerships that protect and restore grasslands and aquatic habitats in critical geographies of our supply chains and through projects that support water quality improvements and protect biodiversity.

