



Cargill® Smart Solution

Traceability and verification with zero deforestation at source!

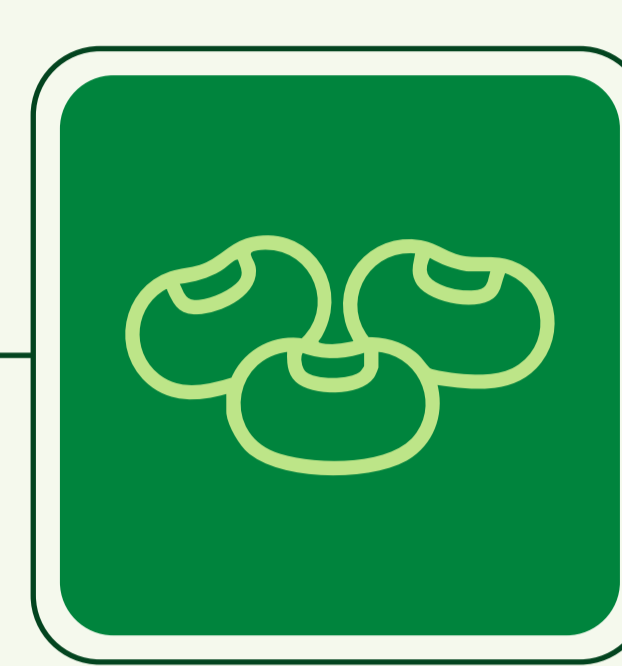
Cargill Smart Solution delivers **traceable and verified monitoring of corn and soybeans**, aligned with a deforestation-free commitment and a 2020 cut-off date.



DCF cut-off date **2020**



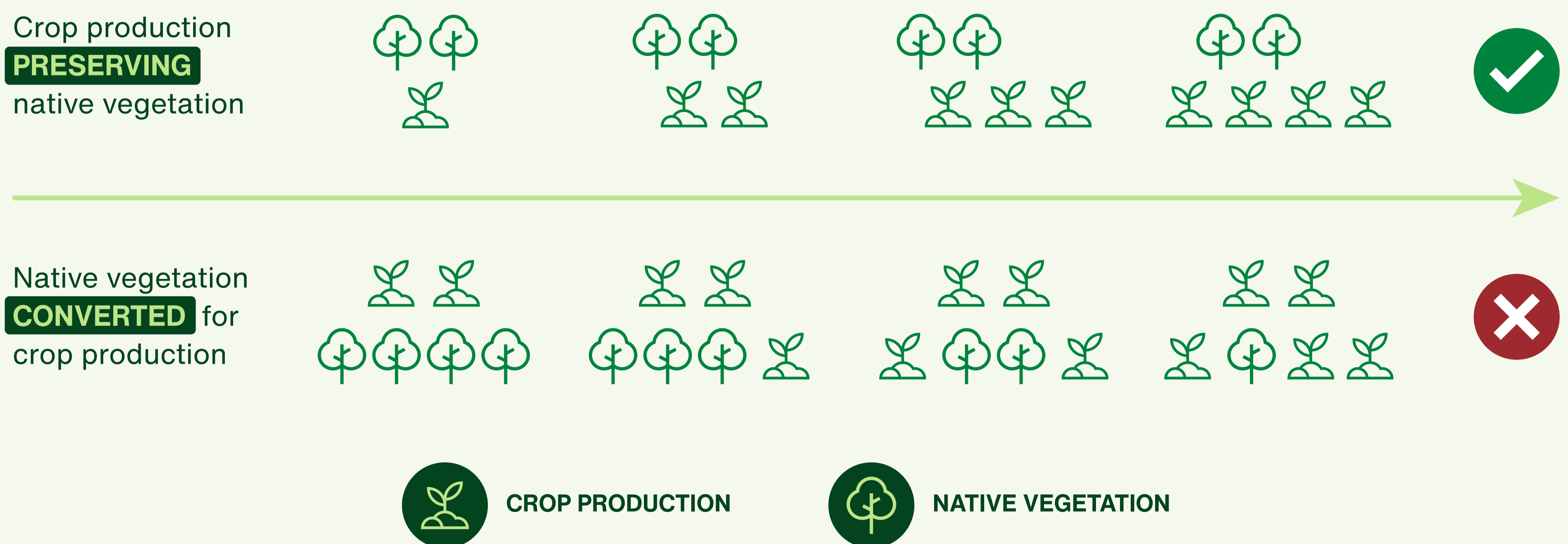
Satellite monitoring



Soybeans and corn **sourced from deforestation-free areas**

Cargill works daily to implement new sustainable solutions that preserve our lands, conserve water sources, and support farming resiliency, allowing people and communities to thrive in the long term.

Our Smart Solution guarantees no native vegetation was converted for crop production, using **satellite monitoring** to verify land use. It ensures traceability, excludes deforested areas, applies a mass balance approach, and undergoes **third-party audits**, providing confidence to stakeholders while reinforcing our commitment to sustainable sourcing practices.



LEARN ABOUT OUR METHODOLOGY

We use the historical PRODES mask as a baseline. PRODES is a government project that monitors vegetation removal using official satellite imagery. The native vegetation mask for each current year is superimposed on the historical corresponding PRODES mask, considering only new areas of deforestation.

- ✓ **10-30 meters** Spatial resolution
- ✓ **1 hectare** Minimum mapping units
- ✓ **Over 93%** Accuracy

Using the Brazilian Data Cube (an official government database), an AI classifies image tiles and generates information about land use and land cover, followed by expert visual checks.

The system considers only anthropogenic vegetation loss and compares current vegetation against the historical PRODES mask to detect new deforestation across all native vegetation types.



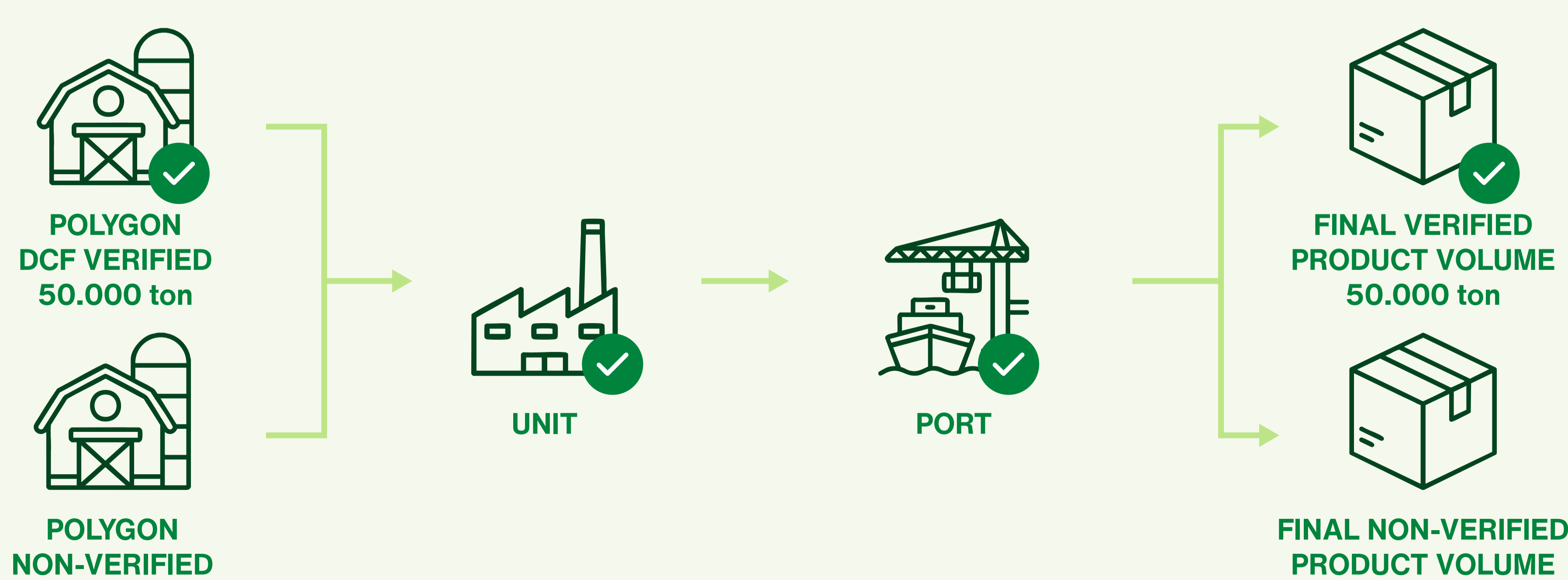
Figure 1 - Soy Mask RGB 08-11-04 do Sentinel 2



Figure 2 - Soy Mask 2023

WHAT IS THE MASS BALANCE APPROACH?

Our national mass balance model enables **certified volumes** to be tracked through a unified system, ensuring that the amount of certified input aligns with the sustainable output claimed. It reinforces our **commitment to transparency** and **provides confidence to stakeholders through third-party audits**.



NOTE: The customer will receive a **Smart Solution Declaration**, confirming that the product adheres to deforestation-free criteria, tailored to the customer's specified cut-off date and volume.

DEFORESTATION-FREE ORIGIN: STRENGTHEN YOUR SOURCING STRATEGY WITH CARGILL SMART SOLUTION!

Contact your local Cargill representative to learn more.

