

Attending

Katrina Benedicto, Nufarm
Dimitri Sclabos, Tharos
Ben Arcenaux, Nutrasource
Jolie Root, Carlson Laboratories
Laurel Sterling, Carlson Laboratories
Guido Medina, Pesquera Diamante
Jenna Ritter, Nature's Way Canada
Sirman Shergill, Nature's Way Canada

Kirsten Humphreys, Bare Biology
Apolline Boulaire, Olvea
Christophe Godard, Olvea
Charles Davy, Marine Biotechnology Products
Nicolas Cruz, Golden Omega
Auður Emilsdóttir, Lysi
Michael Royko, BASF
GOED: Chris Gearheart, Gabriela Cortez

Meeting agenda

- **Committee housekeeping**

- Upcoming GOED projects
- Member sustainability kudos

- **Presentation**

Katrina Benedicto, Director of Marketing and Communications for GOED member Nufarm, will highlight the team's sustainability approach and accomplishments as they produce the omega-3 canola oil ingredient Nutriterra.

About Nufarm & Nutriterra

- **Nufarm:** Over 100 years old, headquartered in Australia, with global operations.
- **Nutriterra:** Developed to address omega-3 supply gaps. Uses bioengineered canola to produce DHA-rich oil.

- Canola is grown as a rotational, dry-farmed crop on 5 continents. Helps improve soil health and yield of subsequent crops.

Sustainability Highlights

- Dry farming eliminates water runoff issues.
- Stewardship protocols ensure full traceability and genetic containment.
- **Friend of the Sea certified** under plant-based standards.
- UN Global Compact participant; reports contributions to SDGs such as Zero Hunger and Life on Land/Water.
- Advanced satellite monitoring ensures crop origin, input tracking, and environmental compliance.

Lifecycle Analysis (LCA) Approach

- Uses ISO 14000 series for environmental impact measurement.
- Full LCA includes soil-to-oil assessment: farming, transport, processing, and output.
- Assigns environmental impact based on **per unit of canola oil rather than per mg of DHA**, ensuring ethical accounting.
- Includes feedstock impacts (e.g., nitrogen fertilizer) and potential applications in both human nutrition and aquaculture.

Product Applications

- Currently used in aquaculture; expanding into human nutrition.
- High DHA levels with reduced marine taste—potential for use in spreads, condiments, and fortified foods in humans.
- Not eligible for Non-GMO labels due to genetic modification but complies with biotech disclosure regulations and doesn't require a

label statement about bioengineering.

- **Discussion / Q&A**

General Reception:

- Committee members expressed appreciation for Katrina's clarity and transparency.
- Several noted that Nutriterra's approach was new to them and eye-opening, particularly in the context of addressing omega-3 supply challenges and diversifying sustainable sources.

Laurel:

- Shared her background in multigenerational dairy farming and related to NewFarm's rotational cropping strategies.
- Asked how Nutriterra's oil is currently being used in the market.
 - Katrina: Main application so far is in **aquaculture**, where it helps reduce fish-in-fish-out (FIFO) ratios.
- Human nutrition products are in development, with an emphasis on integrating into familiar foods like mayonnaise and margarine to make DHA more accessible.

Jolie:

- Expressed enthusiasm about the potential for fortifying everyday foods with DHA.
- Appreciated learning that the product is dry-farmed, grown globally, and responsibly engineered.
- Called Nutriterra a potential "bright way forward" as global population and nutrition demands increase.

Chris:

- Asked Katrina to revisit the concept of carbon attribution—specifically, how the product’s LCA assigns impact.
 - Katrina: Nutriterra attributes the **carbon footprint to the economic value** of the oil (not just its volume or to the DHA alone), ensuring accurate impact representation.
 - Criticized common practice of attributing only a fraction of LCA to the active nutrient (e.g., just DHA), calling it misleading.
 - Emphasized transparency: feedstock inputs (like nitrogen, tractor passes, transport) are fully included in NewFarm’s impact reporting.
 - Drew a comparison to algae-based omega-3s, stating that sugar or corn inputs for algae growth must be included in the LCA to remain ethical and accurate.
- Asked whether NewFarm’s approach to data collection and LCA flexibility would allow adaptation to different standards (e.g., customers using GHG Protocol, SBTi, etc.).
 - Katrina: Yes, their data infrastructure is designed to be flexible. While their baseline is ISO 14000, they can adjust LCA reporting methodology to suit different stakeholder needs with only minor numeric variation.

Laurel:

- Asked whether consumers would be able to identify Nutriterra-derived omega-3s on product labels.
 - Katrina: Products may qualify for **Friend of the Sea** labeling and nutrient content claims (e.g., "Good Source of DHA") depending on formulation.

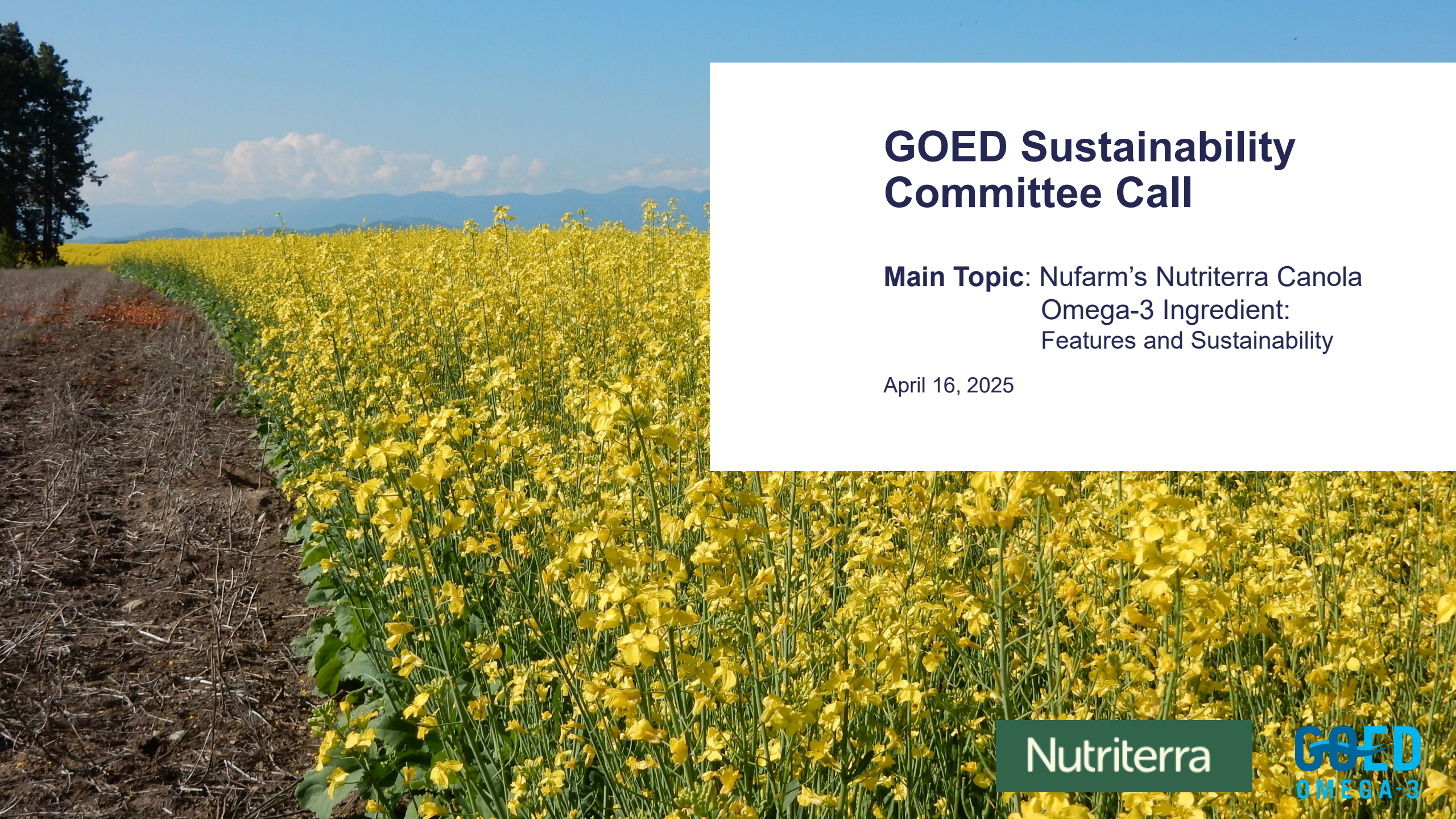
- However, Nutriterra cannot use the Non-GMO butterfly logo due to its biotech origins, though no GMO labeling is required in most jurisdictions because the oil contains no genetic material.
- Noted the product's improved omega-6 to omega-3 ratio compared to conventional canola (1:4 instead of 2:1), addressing common seed oil concerns.

Jolie:

- Expressed hope to see Nutriterra in more human products soon and affirmed strong interest in its nutritional and ecological potential.

- **Next Committee Calls**

- May 28, 2025 | [[Click for your local time](#)]
- Topic: Seafood Watch, the US seafood sustainability organization associated with the Monterey Bay Aquarium, will give context on their recent positive rating change for the industrial Peruvian anchovy fishery rating from “yellow” to “green.”



GOED Sustainability Committee Call

Main Topic: Nufarm's Nutriterra Canola
Omega-3 Ingredient:
Features and Sustainability

April 16, 2025

Nutriterra

GOED
OMEGA-3

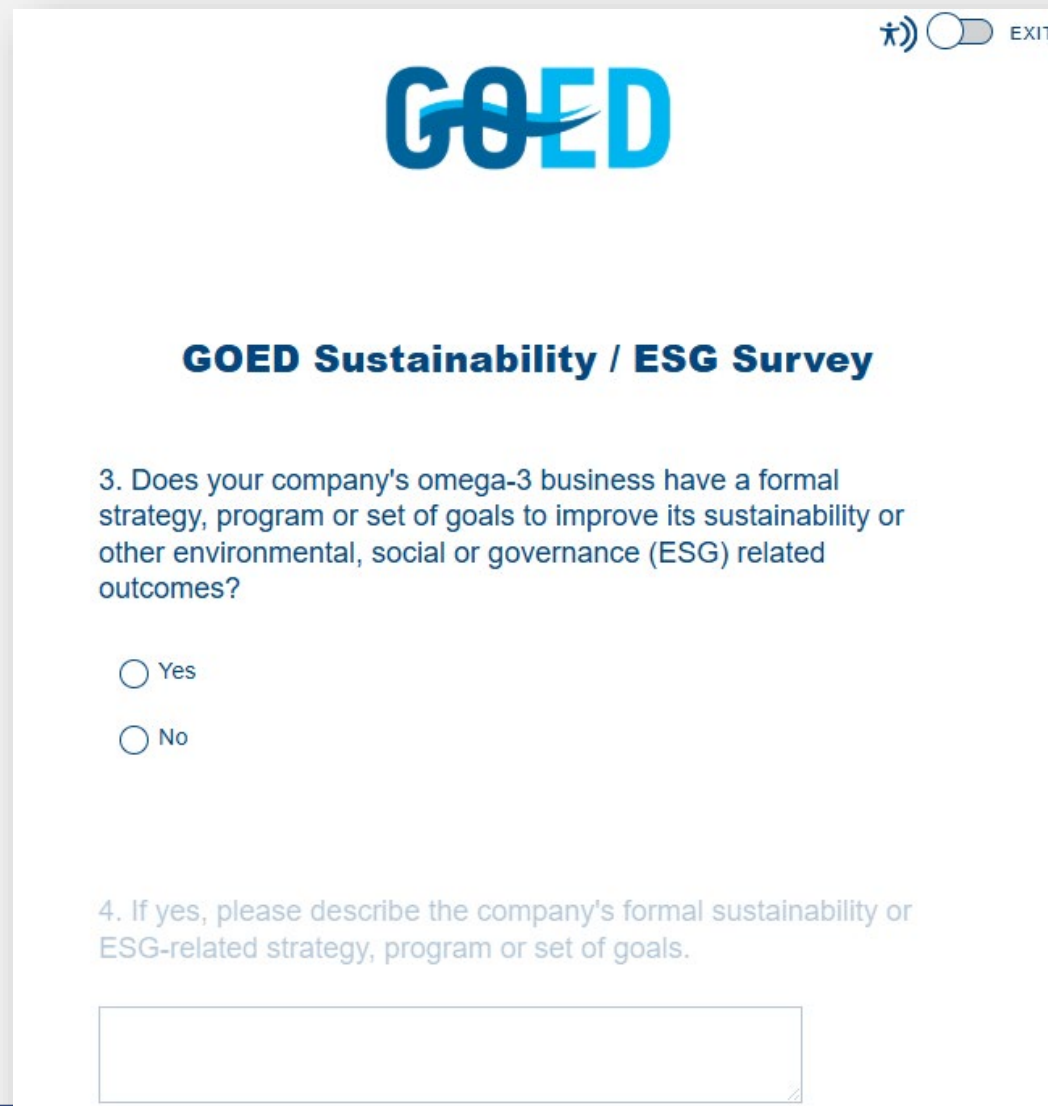
Agenda

- **Committee housekeeping**
 - First-time introductions
 - Upcoming sustainability projects at GOED
 - Member sustainability kudos
- **Presentation**
 - Katrina Benedicto, Director of Marketing and Communications - Nutritional for GOED member Nufarm, will highlight her team's sustainability approach and accomplishments as they produce the omega-3 canola oil ingredient Nutriterra.
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Agenda

Upcoming sustainability project | H2 Member Survey

- Voluntary
- Anonymous
- Adapted from:
 - EcoChain's Sustainability Maturity Model [\[Link\]](#)
 - An SDG Impact Assessment questionnaire that helps companies evaluate their impact on the UN SDGs



The screenshot shows the GOED Sustainability / ESG Survey interface. At the top right, there is a user icon, a toggle switch, and an "EXIT" button. The GOED logo is prominently displayed in the center. Below the logo, the title "GOED Sustainability / ESG Survey" is shown. The survey content includes question 3: "Does your company's omega-3 business have a formal strategy, program or set of goals to improve its sustainability or other environmental, social or governance (ESG) related outcomes?" with radio button options for "Yes" and "No". Question 4 follows: "If yes, please describe the company's formal sustainability or ESG-related strategy, program or set of goals." Below this question is a large, empty text input box.

GOED

GOED Sustainability / ESG Survey

3. Does your company's omega-3 business have a formal strategy, program or set of goals to improve its sustainability or other environmental, social or governance (ESG) related outcomes?

☐ Yes

☐ No

4. If yes, please describe the company's formal sustainability or ESG-related strategy, program or set of goals.

Agenda

Member kudos | Austral Group

GOED member [Austral Group](#) and the Peruvian Network of Life Cycle and Industrial Ecology (PELCAN) have published a life cycle assessment on the Peruvian anchovy fishing industry. The study serves as the latest update on analysis methodologies, information quality and availability and positions Peru as a benchmark in responsible and sustainable fishing.

[Read on »](#)

Commodity news

Study positions Peruvian anchovy industry as a global leader in environmental sustainability

A new LCA provides knowledge about the marine ingredient industry, becoming the most recent update on analysis methodologies, information quality, and availability.



Agenda

Member kudos | Blackmores

GOED member [Blackmores](#) has earned B Corporation certification for all its brands. The certification reflects Blackmores' commitment to meeting the highest standards of balancing profit with purpose and transparency.

[Read on »](#)

Blackmores obtains B Corp cert for all brands to meet sustainability demand



By **Hui Ling Dang**

07-Apr-2025 Last updated on 07-Apr-2025 at 03:51 GMT



Blackmores showcased its range of products at the Kirin Group Health Science Business Strategy Briefing held on March 5, 2025. (Kirin Group)

Blackmores Group has obtained B Corporation (B Corp) certification for all its brands, which it says is “of value” to meet consumer expectations for sustainability and disclosure requirements, and to ensure resilient supply chains.

Agenda

Member kudos | Golden Omega

GOED member [Golden Omega](#) received the Seal of Organization Carbon Footprint Quantification via the Chilean Ministry of Environment's HuellaChile program.

[Read on »](#)

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The **Huella Chile** program of the Chilean Ministry of Environment recognized **Golden Omega** for its greenhouse gas emissions accounting and reporting policy.



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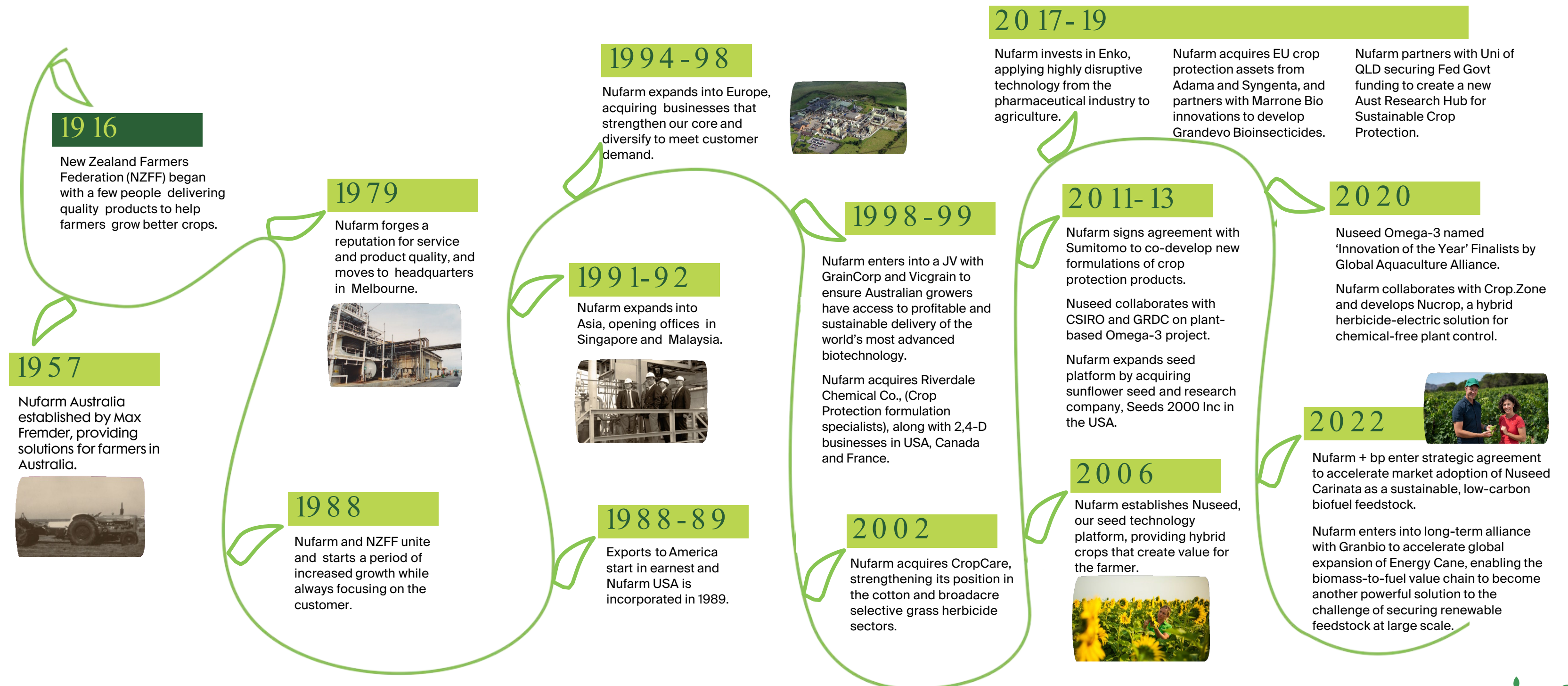
Measuring GWP

An Intro to Nufarm and Nutriterra



Our history

For 100 years focus has been on our customers. This will continue to be our focus for the next 100.



Our Purpose

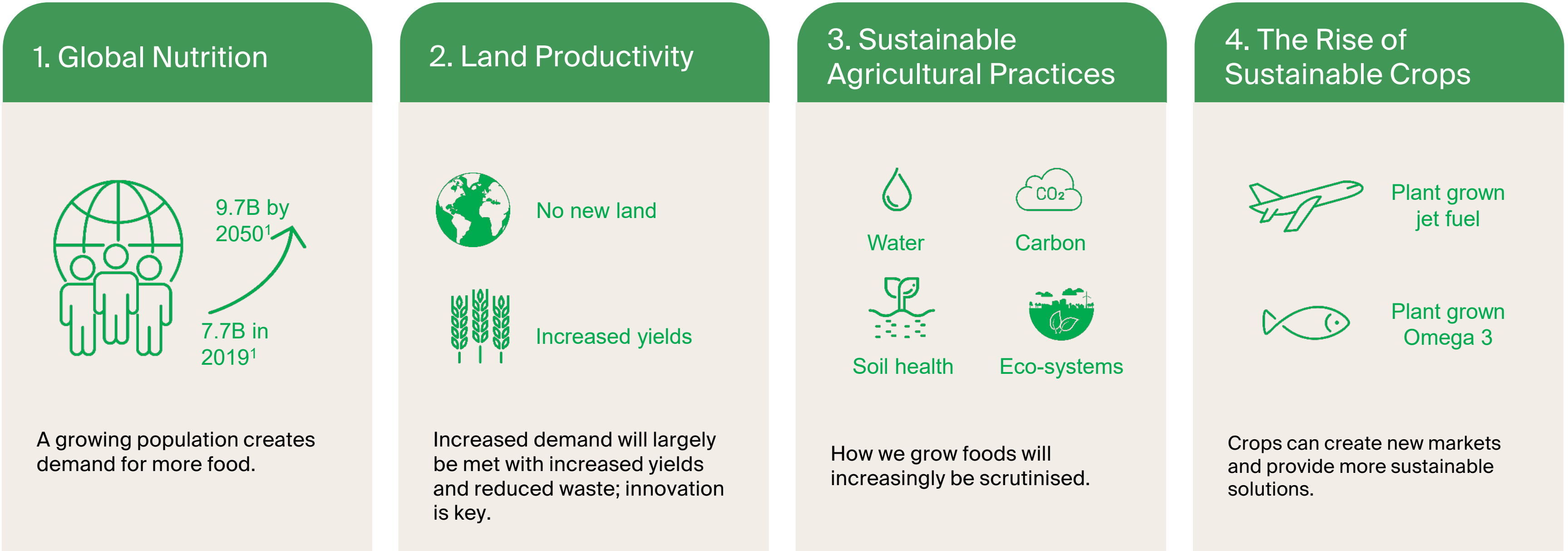
Evolving AgTM



The agriculture industry is evolving to meet
global sustainability challenges.

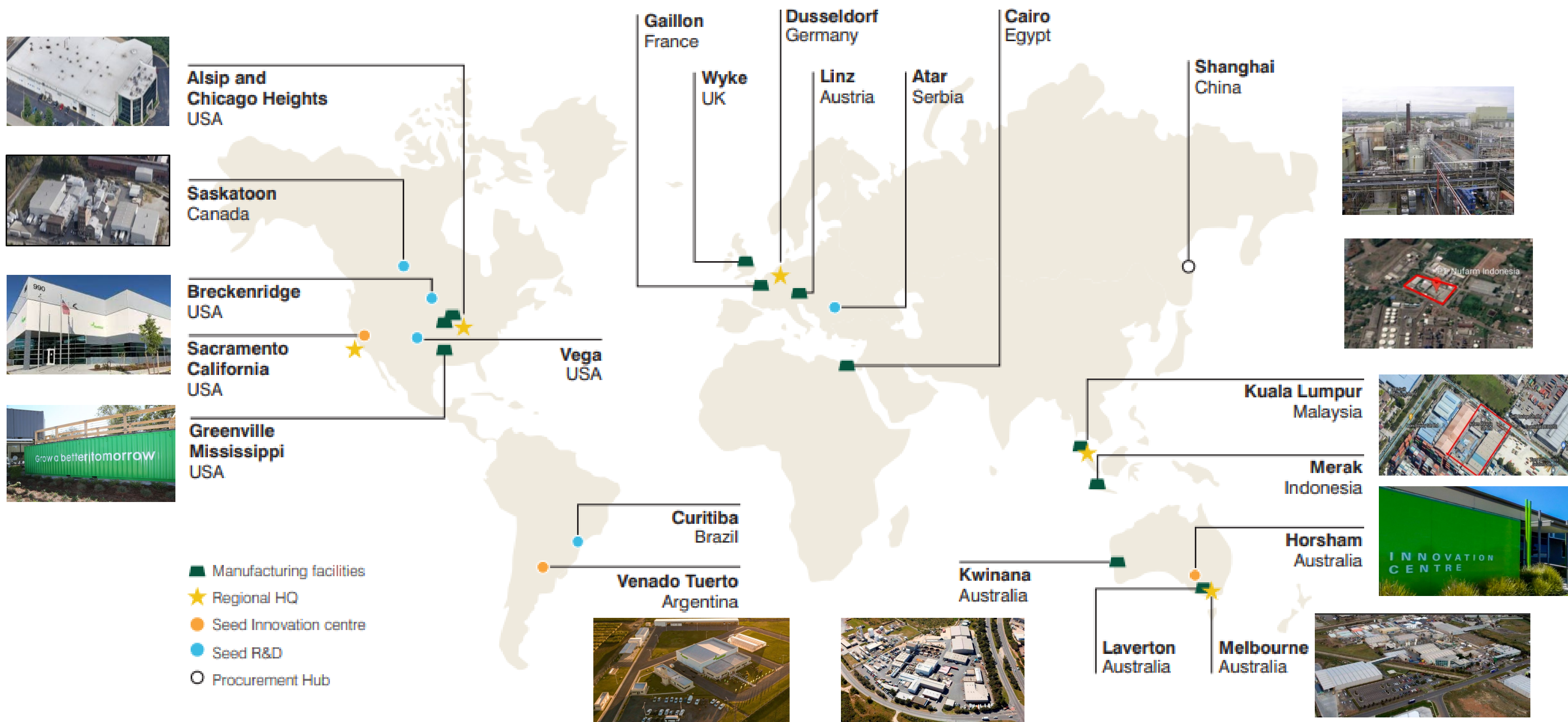
The world needs more food, fibre and fuel

What the markets, and customers need, is changing



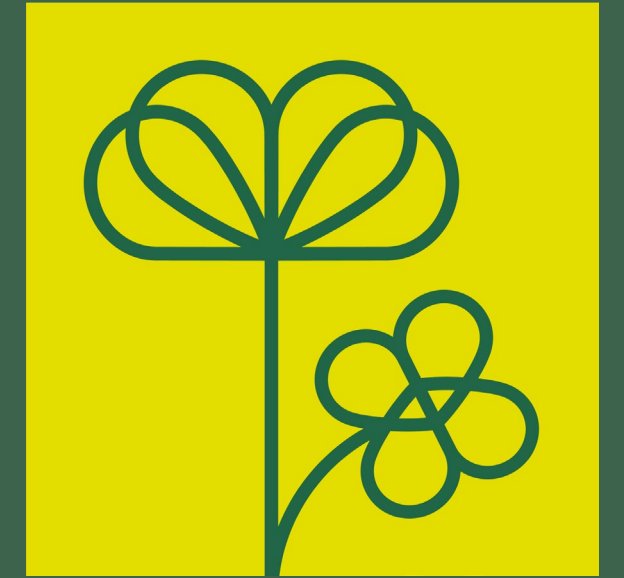
5 Sources: Prof B HankUnited Nations Department of Economic & Social Affairs, Population Division: The World Population Prospects (2019), Phillips McDougall, Agribusiness intelligence 2017
amer - Institute for Molecular Bioscience (IMB) UQ | Food & Agricultural Organisation of The United Nations;

Our global footprint serves our customers



Seed Technologies Innovation





Nutriterra

Nutriterra

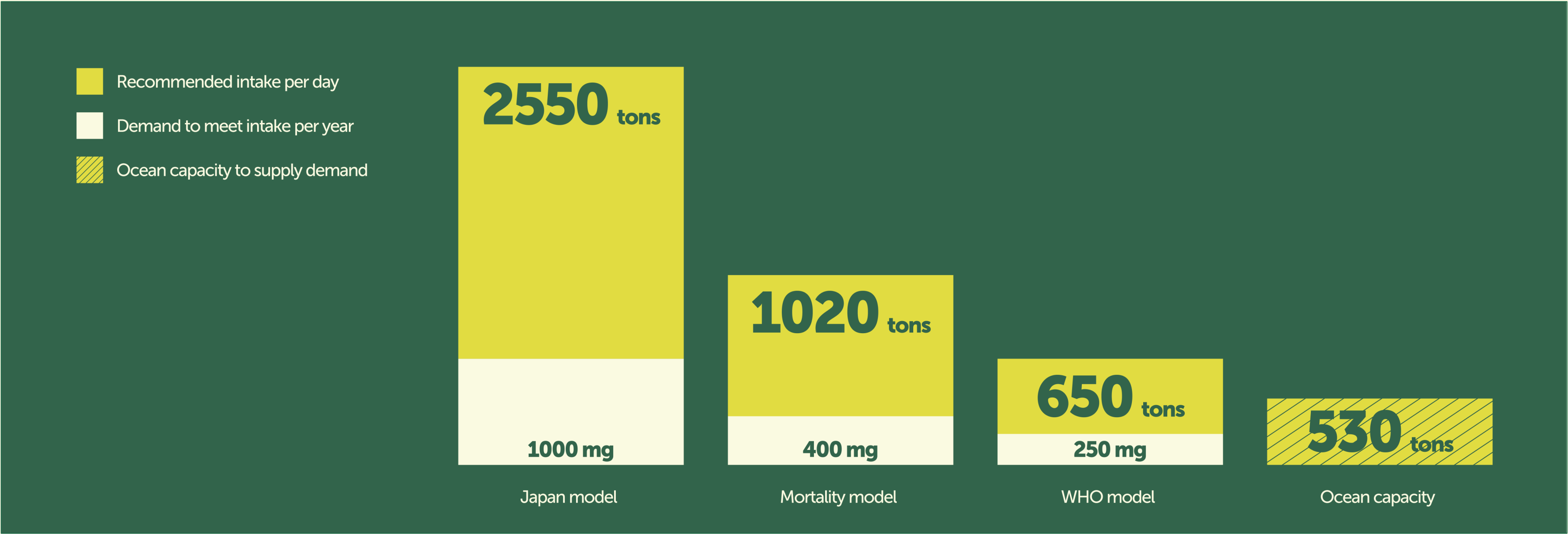
DHA from Plants



NutriterraOmega3.com

Oceans can't produce enough fish to meet the need

daily intake vs annual demand



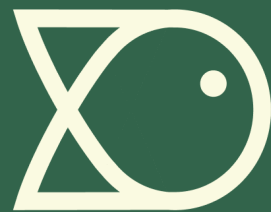
Nutriterra

SUSTAINABLE & SCALABLE



NutriterraOmega3.com

Canola can double the world's DHA supply on < 5% of current canola producing land.





Excellence Through Stewardship (ETS) is a program offered by the Global Stewardship Group that promotes the adoption of product stewardship programs and quality management systems for the full life cycle of agricultural biotechnology products.



Friend of the Sea has become the leading certification for products and services which respect and protect the marine environment.



The certification awards sustainable practices in Fisheries, Aquaculture, Fishmeal, + Omega 3 oil.



Shared Values



Setting Common Goals



ISO 14000

ISO 14000 standards are based on the Plan-Do-Check-Act (PDCA) cycle, a continuous improvement approach.

- Plan:** Set environmental objectives and targets.
- Do:** Implement the EMS and associated activities.
- Check:** Monitor and measure performance and conduct audits.
- Act:** Take corrective actions and continuously improve the EMS.



We measure our entire impact.



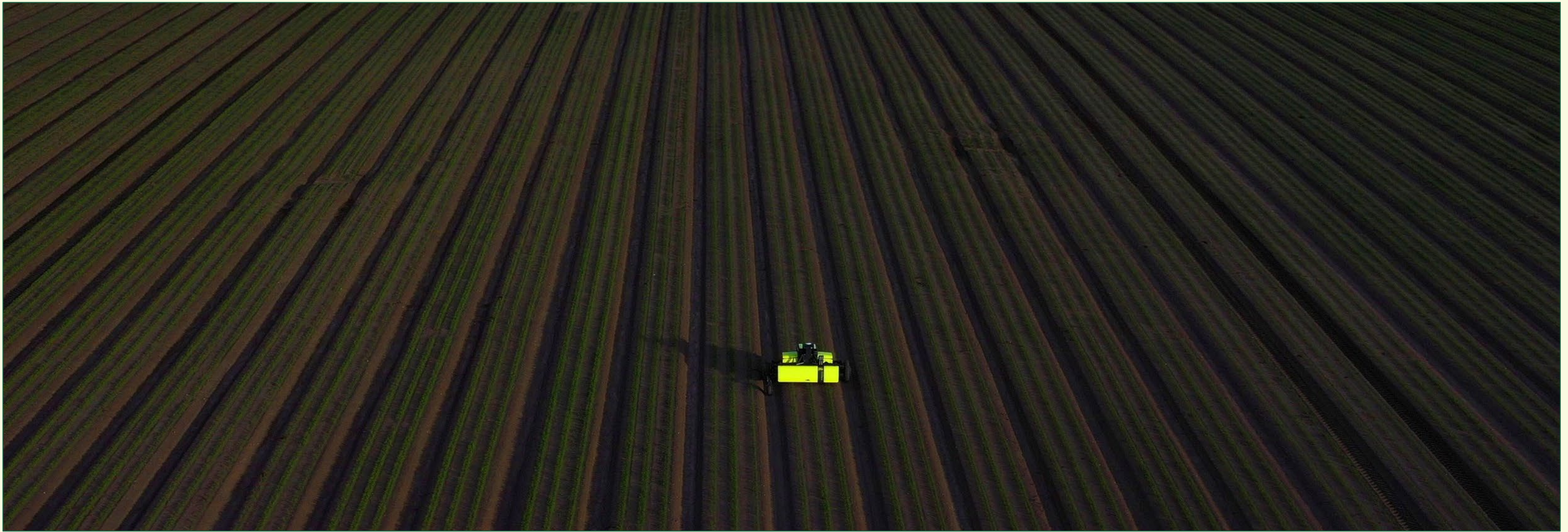
And verify at multiple points.



The results are a new baseline for improvements.



And provide opportunities to advance other Nufarm technologies.



Thank you



Agenda

Next Committee Calls

- **May 28, 2025** | [[Click for your local time](#)]
 - **One week later** than our customary third Thursday (to accommodate IFFO + Vitafoods)
 - Topic: Seafood Watch, the US seafood sustainability organization associated with the Monterey Bay Aquarium, will give context on their recent positive rating change for the industrial Peruvian anchovy fishery rating from “yellow” to “green.”
- June 18, 2025 | [[Click for your local time](#)]
 - Topic: TBD
- July 16, 2025 | [[Click for your local time](#)]
 - Topic: TBD

A wide-angle photograph of a field of yellow rapeseed flowers in full bloom. The field stretches towards the horizon, with a line of dark, dry brush on the left. In the background, blue mountains are visible under a clear blue sky with a few wispy clouds. A white rectangular box is overlaid on the right side of the image, containing the text "Thanks for joining us." in a dark blue, sans-serif font.

Thanks for joining us.