

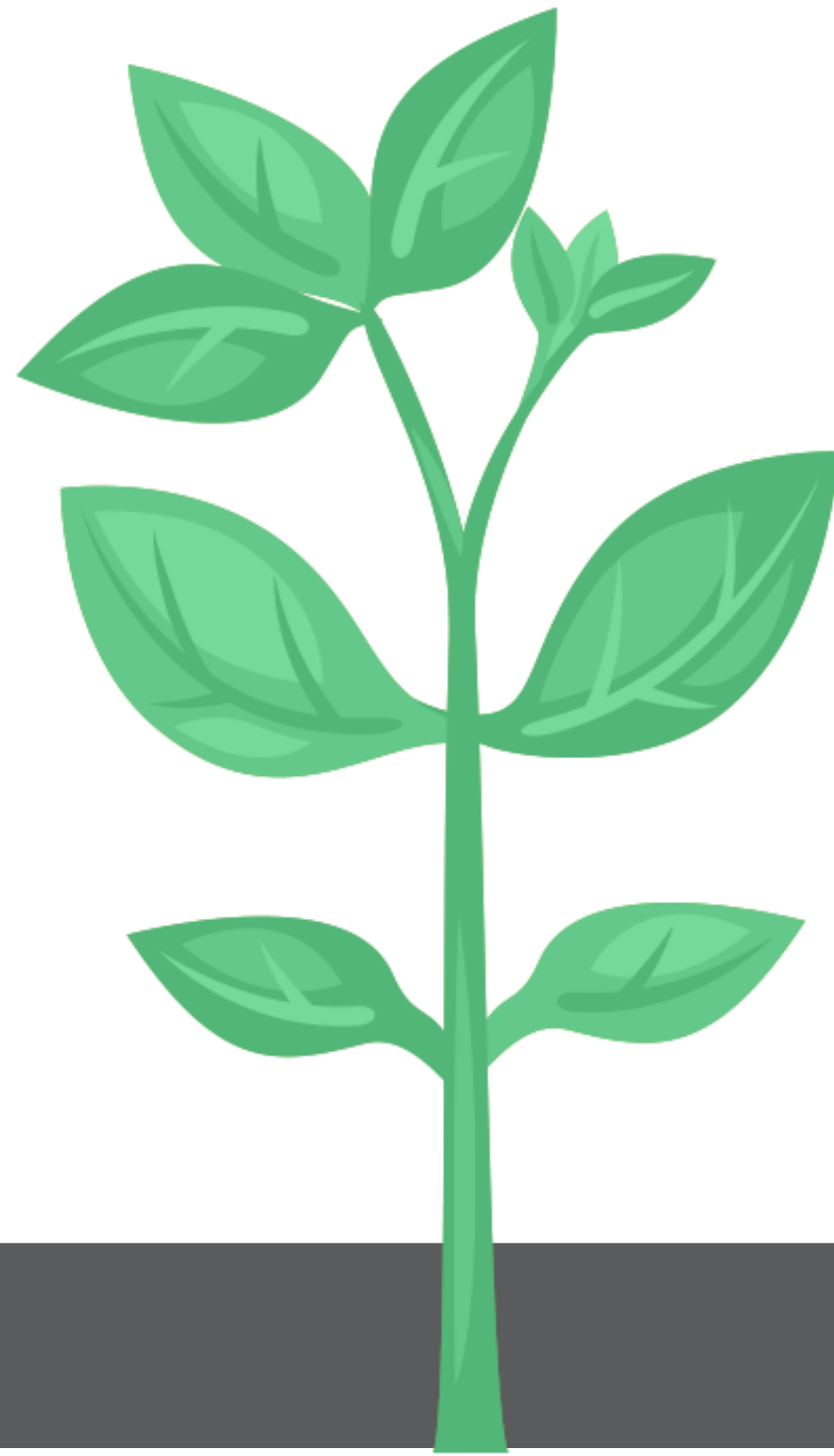


Designer seeds for

**Functional protein
ingredients**

Better taste, healthier product at a lower price

Plant based alternatives



**don't
deliver**



Insufficient

Texture



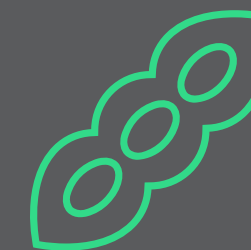
Off-flavors

Due to lipid oxidation



Expensive

Due to intricate
processing



Nutrition

Poor Amino-
acid profile

The market has shifting - hybrids

JUL 05, 2024

Nestlé expands its affordable food range with *Maggi's* first meat extender



The Washington Post
Democracy Dies in Darkness

Climate Environment Weather Climate Solutions Climate Lab Green Living Business of Climate

Climate Coach

Plant-based meat has a problem. It may need more meat.

Blind taste tests show several blended meats are outperforming conventional meat, in addition to 100 percent plant-based products.

Yesterday at 6:00 a.m.

8 min



Deligene aim to supply superior quality plant protein ingredients for the hybrid meat market



Reinventing
soy seeds by
using Deligene
biotechnology
to create

DELISOY

Meaty texture

Natural taste

Lower price

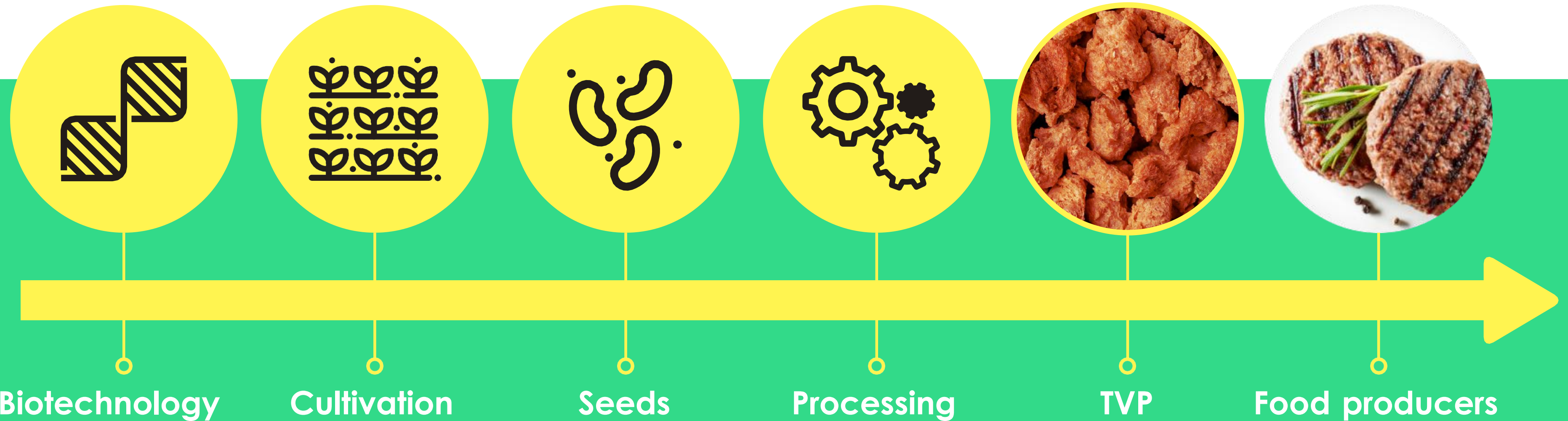
- Non-GMO and fueled with essential amino acids
- Patented



Optimizing the source



Enhancing the final product



Two product families packed in the same seed

1. DELISOY PROTEIN INGREDIENTS

- A. Texturized line (ideal for a variety of plant-based meats) B. Emulsion line (soymilk, Salads dressing and whipped products)

2. DELIGENE OIL

- C. High oleic soy oil



EMULSION LINE

Seeds for Soy milks

Delisoy protein

Concentrate/
isolate

High oleic oil

Oil for food
ingredients

High oleic
oleogels

TEXTURIZED LINE

Delisoy protein

concentrate
/isolate

TVP 2.0



We recently got a permit from the USDA that our product is non-gmo (transgene free)

The Competitive Landscape



Business model & market

The growth driver is development of superior ingredients



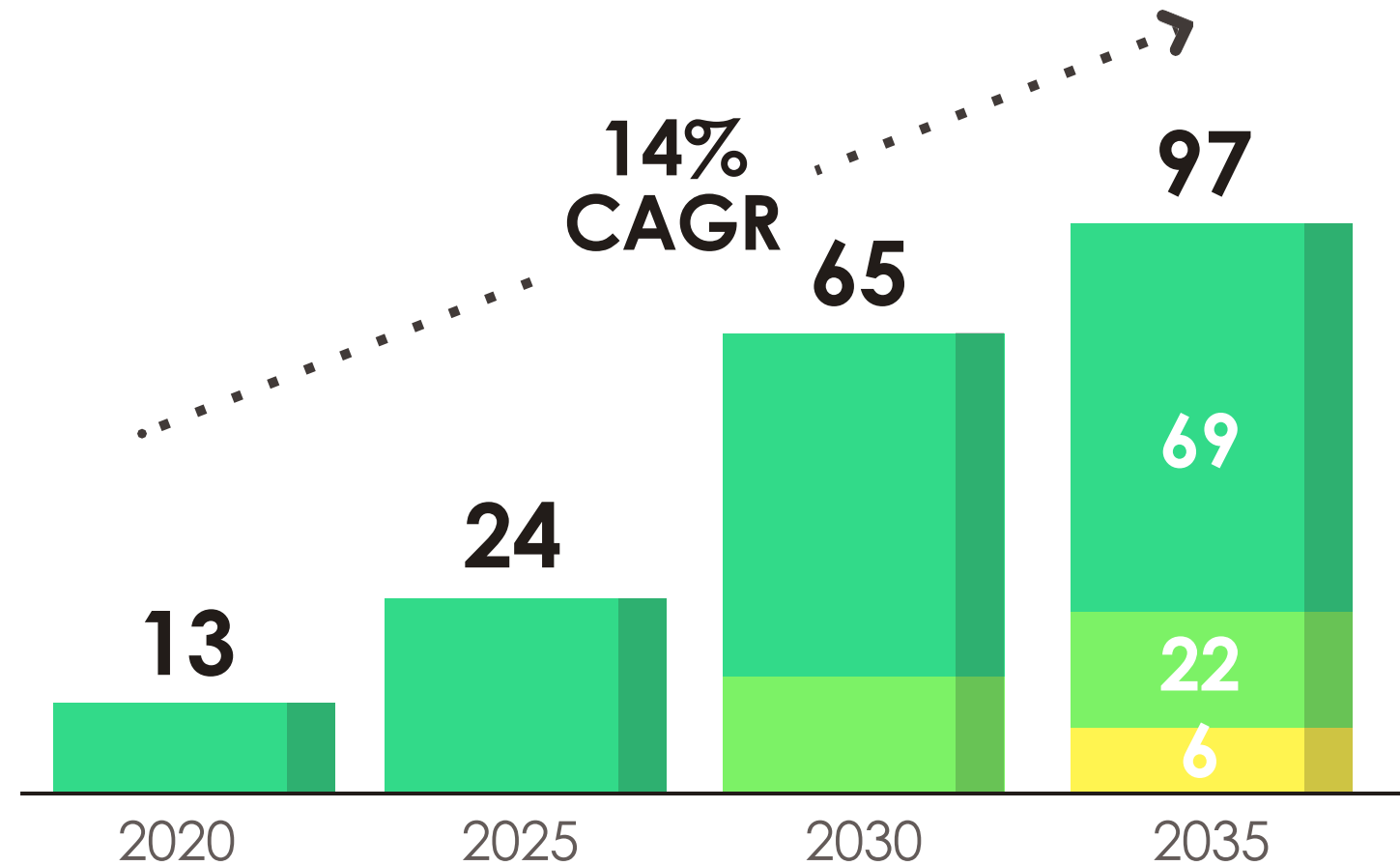
Supplying **Deligene's seeds** to our farmers



Processing the soy seeds into **ingredients (TVP2)**



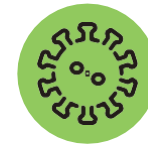
Selling **TVP2** to food producers



Consumption of alternative proteins by protein source
(million metric tons, base-case scenario)



Plant-based



Microorganism-based



Animal-cell-based

2030 projections

TAM
3.3 T \$

SAM
106 B \$

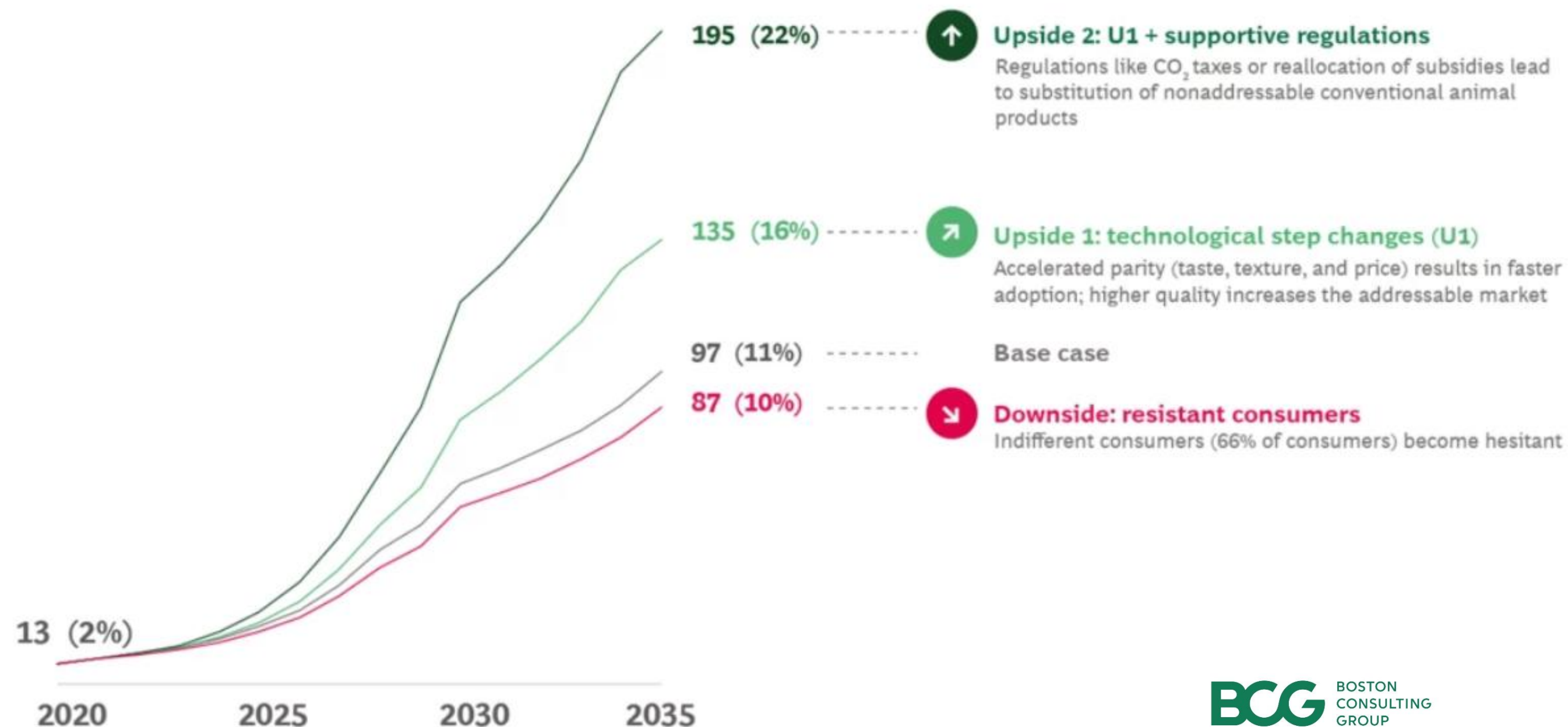
SOM
158 M \$

Growth Drivers: Ingredients improvement and regulation landscape

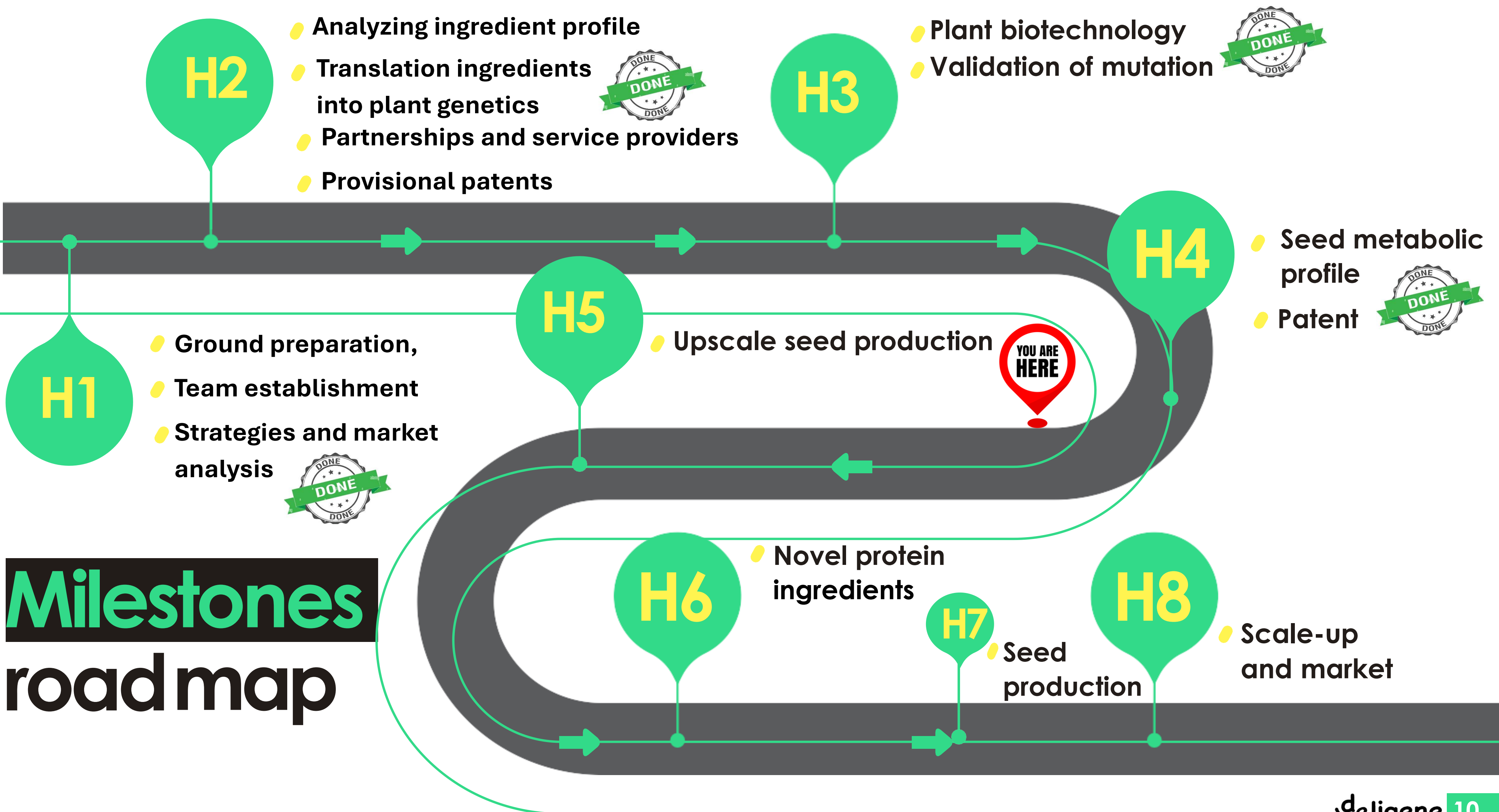
Exhibit 2 - Alternative Proteins Could Claim as Much as 22% of the Overall Protein Market by 2035

Global consumption of alternative proteins

(million metric tons and penetration of conventional protein in %)



Milestones road map



Our Team



CEO PINI KAMARI

Former CEO of Soglowek,
Israel's leading meat
producer, and former
deputy CEO of Strauss group-
multinational food company



CTO ITAY COHEN

Industry plant biologist (Ph.d)
with an extensive experience
in soybean biology and
biotechnology





Thank **you**

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deligene

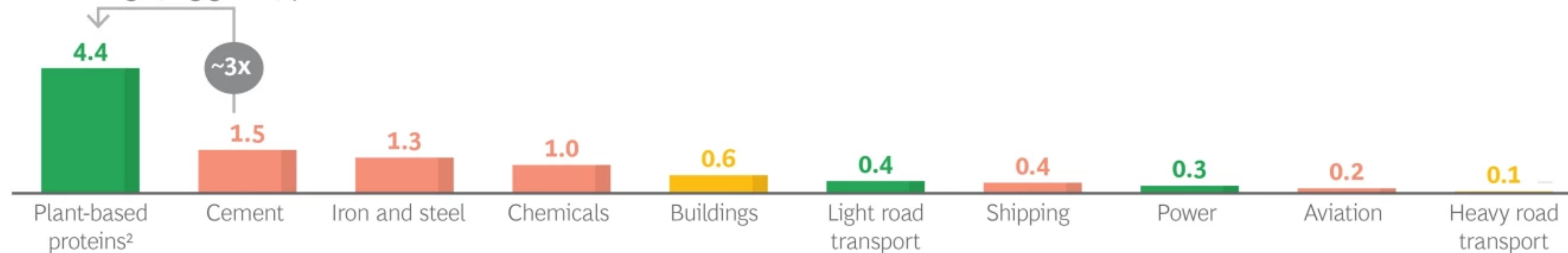
Plant-based protein: The best CO₂ mitigation investment

Exhibit 1 - Plant-Based Proteins Have Greater Impact on Capital Employed¹ Than Other Decarbonization Levers in All Other Sectors

Impact on capital employed (\$billions per \$1 trillion invested)

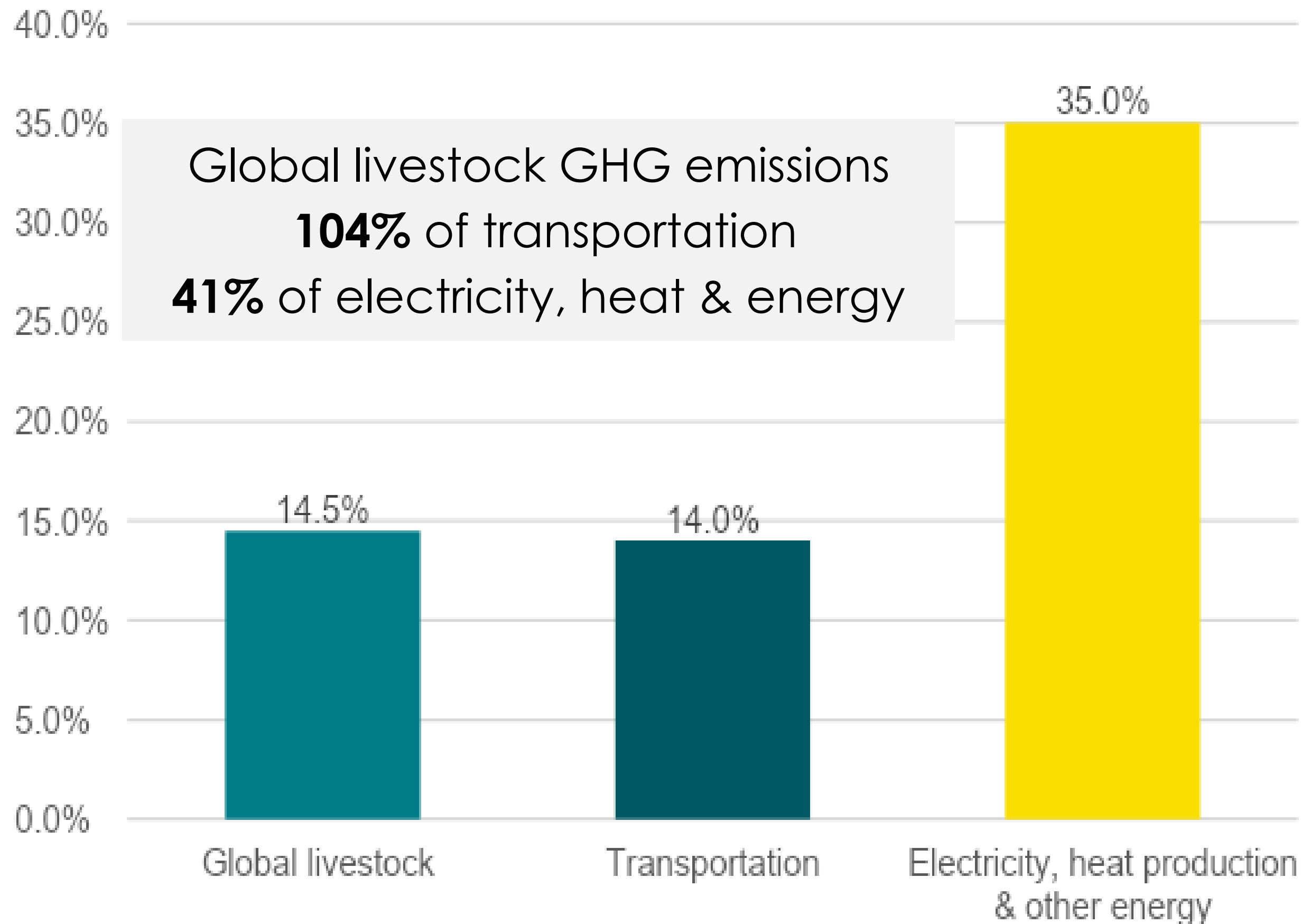


CO₂e savings (in gigatons) per \$1 trillion invested



Livestock is a major GHG emitter

Percent of global GHG emissions



Commitment and expertise on the climate-agriculture-food nexus



Physiologia Plantarum

[Physiologia Plantarum homepage](#)

Minireview

Meta-analysis of drought and heat stress combination impact on crop yield and yield components

Itay Cohen, Sara I. Zandalinas, Clayton Huck, Felix B. Fritsch, Ron Mittler

First published: 03 September 2020 | <https://doi.org/10.1111/ppl.13203> | Citations: 104

Plant Direct

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Leaf coordination between petiole vascular development and water demand in response to elevated CO₂ in tomato plants

Itay Cohen, Juliana Espada Lichston, Cristiane Elizabeth Costa de Macêdo, Shimon Rachmilevitch

First published: 09 January 2022 | <https://doi.org/10.1002/pld3.371>



ELSEVIER

Plant Science

Volume 272, July 2018, Pages 294-300



The effects of elevated CO₂ and nitrogen nutrition on root dynamics

[Itay Cohen](#), [Tal Rapaport](#), [Reut Tal Berger](#), [Shimon Rachmilevitch](#)



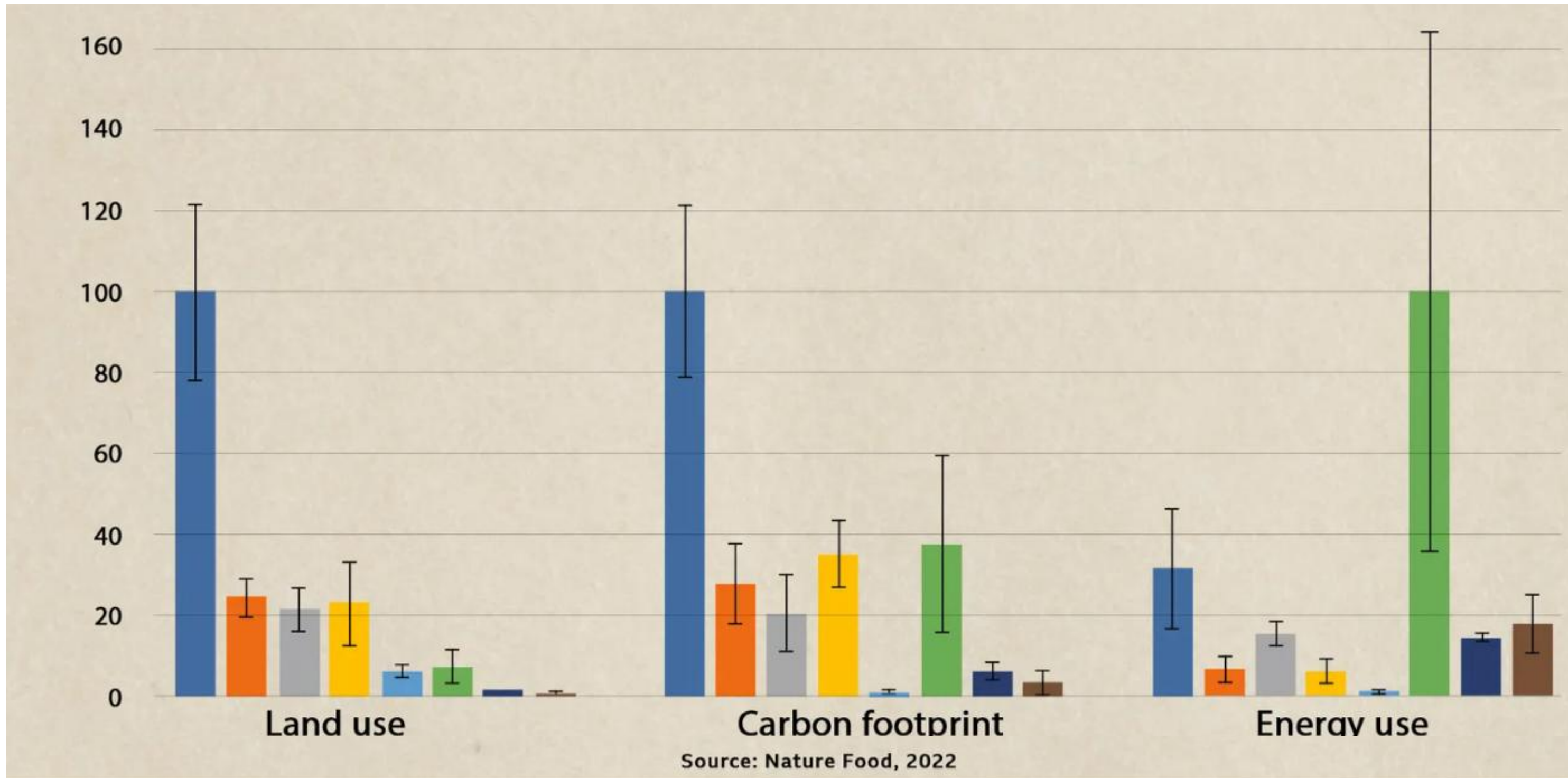
Physiologia Plantarum

Ecophysiology, Stress and Adaptation

The impact of water deficit and heat stress combination on the molecular response, physiology, and seed production of soybean

Itay Cohen, Sara I Zandalinas, Felix B. Fritsch, Soham Sengupta, Yosef Fichman, Rajeev K. Azad, Ron Mittler

Plant-based is the most sustainable paradigm



Beef Poultry Eggs Milk Plant-based Cultivated meat Recombinant proteins Gas-fermented microbes