





# Reinventing the food chain

## CONTACT

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### Communication

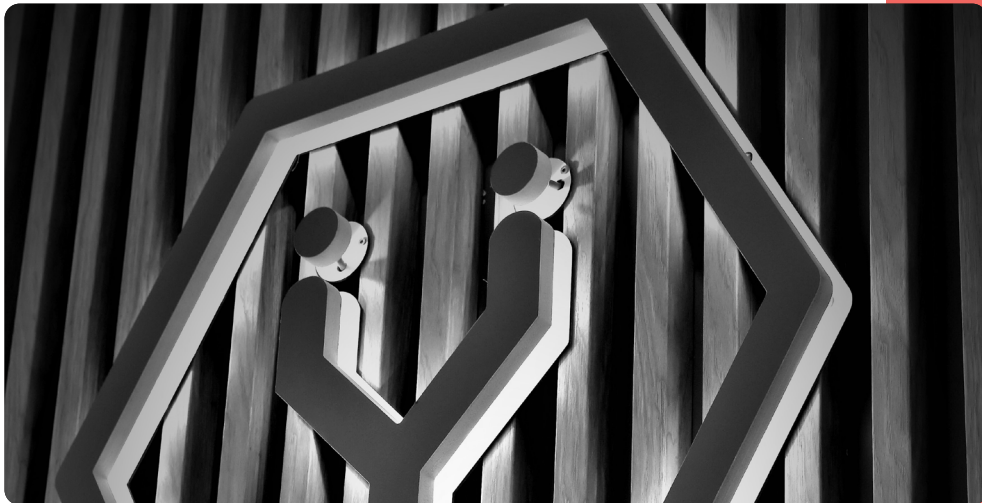
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# WHO ARE WE ?

**Ÿnsect** is one of the leading company in the production of natural insect proteins and fertilizers. Founded in 2011 in Paris, France, by scientists and environmental activists, the Next40 member and B Corp-labeled company transforms insects into high-end, high-value ingredients to feed animals, plants and humans. From its state-of-the-art, purpose-built farms, Ÿnsect offers an ecological, healthy and sustainable solution. Ÿnsect harnesses disruptive technologies protected by over 380 patents to grow mealworms in climate- and biodiversity-positive vertical farms, creating value chains aligned with the Paris COP21 +1.5°C scenario and the EU's «Fit for 55» objective. Ÿnsect already operates several production sites spread across Europe and America, and is currently commissioning its new site, the world's largest vertical farm, in Amiens (France). The company, which employs over 300 people, exports its products worldwide.



# OUR KEY FIGURES

2

insects  
(Buffalo and Molitor)

380

patents: the  
world's number  
1 holder in the  
industry

645

million raised since  
the creation

4

times member of  
the Next40

80

awards and prizes

200

million dollars in  
contracts signed

1bn

USD under  
negotiation

50

research  
partnerships

20

countries where  
our products are  
exported

# YŃSECT OVER THE YEARS

# Certified



# Corporation

**2011**

Creation of YŃsect

**2012**

YŃsect joins the renowned French incubator Agoranov to coordinate one of the largest R&D programs for insect-based products.

**2013**

YŃsect launches laboratory-scale production with renowned research centers.

**2014**

YŃsect raises €2 million with Emertec and Demeter, and wins the 2030 Global Innovation Award.

**2015**

YŃsect raises €6M and launches work on YŃsite, in Dole, a pilot farm and world first.

**2016**

YŃsect delivers its first pet food customers with the opening of the Dole farm.

**2017**

YŃsect raises €15 million from BPI, Quadia and its historical shareholders.

**2018**

YŃsect announces the launch of YŃfarm 1 near Amiens. This project has received a grant from Bio Based Industries (BBI) as part of the European Union's Horizon 2020 research and innovation program (approval 837750).

**2019**

YŃsect applies for planning permission for the world's largest insect farm in Amiens, France.

**2020**

YŃsect closes its C series with a total of \$372 million, the sector's largest fundraising outside the USA, and joins the Next40.

**2021**

YŃsect enters the human food market with the acquisition of a Dutch site. On January 13, the European Food Safety Authority (EFSA) declares the beetles safe for human consumption.

**2022**

YŃsect acquires Jord Producers and enters the US chicken feed market.

**2023**

YŃsect pursues its international development with the signing of partnerships in several countries, notably Mexico and the United States.

# WHY YINSECT

According to a report published by the FAO, we need to find sustainable solutions to produce more food with less land, raw materials and water, and with less pollution.

“At Yinsect, our mission is to meet these challenges while combating climate change and the destruction of biodiversity

- By 2050, we will need to increase our food production by more than 70%

to meet the needs of our planet's population. And this with only 5% more arable land.

- We need to reduce our greenhouse gas emissions by 70%.

- The increase in global protein consumption is estimated at 52% (between 2007 and 2050).

- Farmed animals use 70% of the world's agricultural land

and 20% of the world's fisheries are used to feed farmed fish.

# OUR SOLUTION : THE MEALWORM

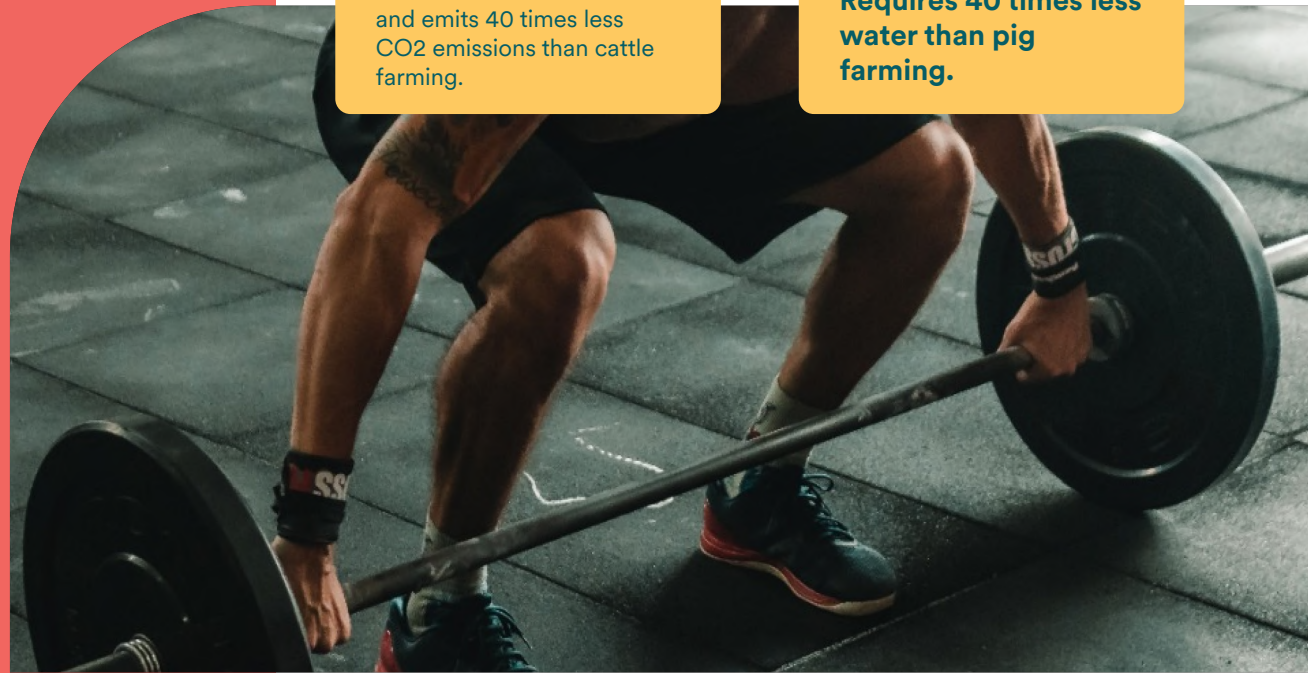
**Insect-based ingredients offer the best of both worlds:** as sustainable as plant proteins, as nutritionally beneficial as animal proteins.

**Rich ingredients 72% protein**  
and 9 essential amino acids.

**Comparable to milk protein**  
Has the same effect on digestion, absorption and ability to stimulate muscle growth (Maastricht University)

**Uses up to 30 times less farmland**  
and emits 40 times less CO2 emissions than cattle farming.

**Requires 40 times less water than pig farming.**



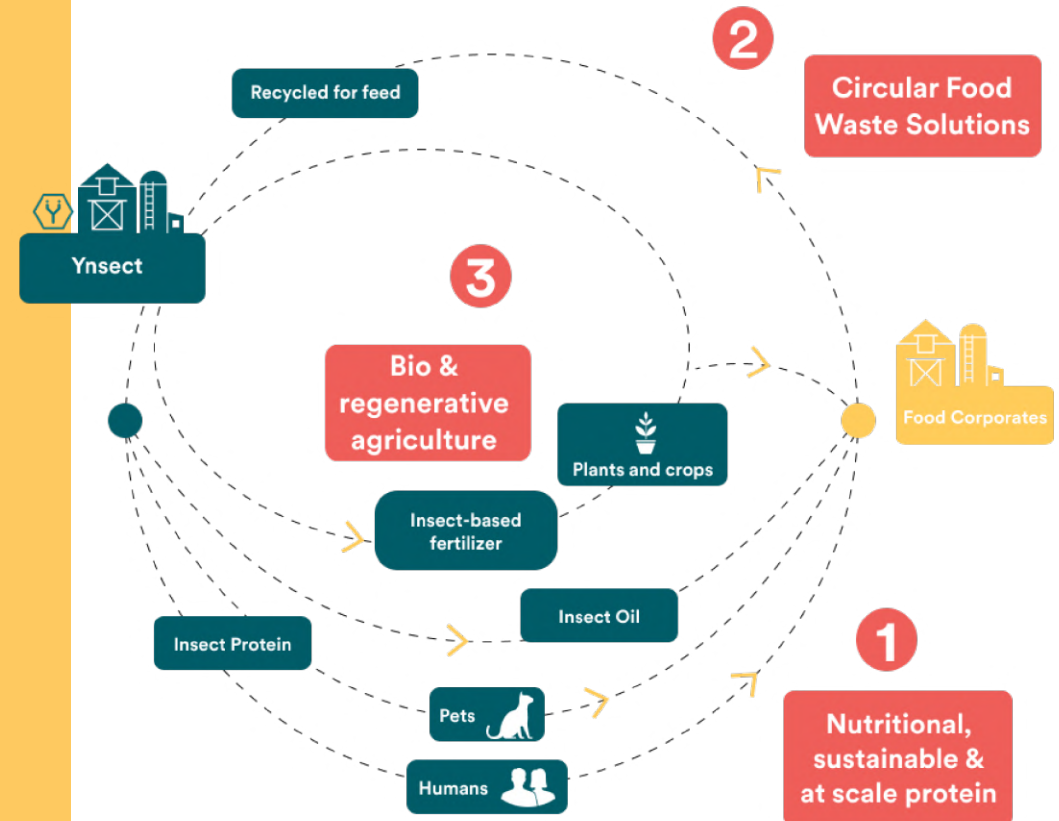
# OUR FARMS

We **raise** and **process** our insects in state-of-the-art **4.0 vertical farms**, protected by over **380 patents**. Inside, we use **robotics, artificial intelligence and computer vision** to create high-quality, high-value-added products.

Our vertical model means we have **less surface impact** on the environment and neighboring biodiversity. Our Amiens farm is **36m high**. It is the largest farm in the world, and will eventually produce **160,000 tons of ingredients a year**.



# OUR CIRCULAR MODEL



# OUR IMPACT

## Impact is part of Ynsect's DNA

Our aim: to significantly reduce our emissions and contribute to a fulfilling working environment.

## SOCIAL

### Employee shareholding system

all employees can benefit from the company's growth.

### 10 weeks' fully paid parental leave

for the «second» parent, in addition to the legal obligation for the «first» parent.

### Training school

training program for all new Ynsecters, open under certain conditions to the general public via Pole Emploi.

### Gender equality index

92 by 2022 (the national average is 83 for companies with fewer than 250 employees).

## ENVIRONMENT

### The company's transversal «Impact»

department aims to measure the consequences of our activities on the planet. The introduction of carbon accounting in addition to conventional accounting is one example.

### Impact Native

Ynsect has a virtuous value chain thanks to the way Yn-farm operates - overall, we avoid and sequester more carbon than we emit - according to life cycle analyses carried out by Quantis.

### TerrHa 2040

In 2021, Ynsect committed to planting 1.8 million trees in the Hauts-de-France region by 2040 in order to sequester more than 190,000 tonnes of CO2 by 2040.

# OUR INGREDIENTS

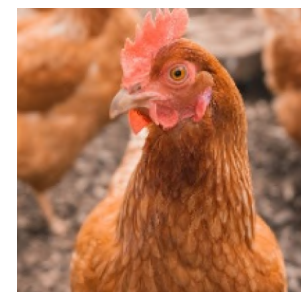
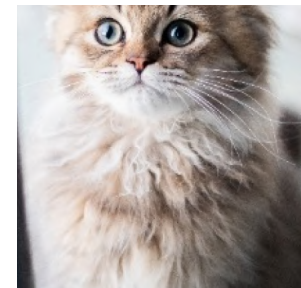
For animals



We have created Spryng, our premium B2B2C brand for pets, aimed at professionals. Through Spryng, we provide high-quality ingredients for pets while preserving the environment and fighting climate change.

## Our ingredients allow :

- Highly digestible
- Reducing skin diseases in dogs
- - 40% reduction in shrimp mortality
- Hypoallergenic
- -25% mortality in sea bass farms
- +34% yield in rainbow trout



# OUR INGREDIENTS

For people



AdalbaPro is the world's leading range of insect-based ingredients. Our range offers protein enrichment to add value and performance to all kinds of formulations: from sports nutrition to steaks or cereal bars. AdalbaPro is now available across Europe.

Our ingredients allow :

- Up to **60% lower cholesterol** (study on mice).
- **43% of its amino acids are essential.**
- Maastricht University has demonstrated that insect proteins have **as many nutritional benefits as milk proteins**: both proteins have the same effect on digestion, absorption and ability to stimulate muscle growth.
- Its **high protein content** (72%) and **low ash content** (around 2%) make it a high-quality ingredient that can be used, among other things, for digestive disorders.
- **96%** of people who have already tasted insect-based products say **they liked them or would repeat the experience** (study with OnePoll - 2022).



# OUR INGREDIENTS

For plants

In June 2020, Ynsect obtained certification and marketing authorization for its insect-based natural fertilizer, Ynfrass, issued by ANSES (Agence française de sécurité sanitaire de l'alimentation, de l'environnement et du travail). Ynsect thus becomes the first company in the world to obtain marketing authorization for a natural insect-based fertilizer. It reinforces the Group's circular model, and delivers outstanding performance compared with other natural and chemical fertilizers:

Our ingredients allow :

- **up to +23% increase** in overall yield
- **+35% protein** content in corn
- **Improved flowering**
- **Better resistance to summer drought** in ornamental plants
- **Improved soil biological properties**
- **Improved disease resistance** in lettuces and potatoes

