

Pet Food Trends Follow Human Food Trends



HARGOL
DELIVERING PROTEIN

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Trends and Pain Among Consumers

- Consumers are seeking alternatives to **reduce meat consumption**
- Alternatives needs to:
 - **Taste good**
 - **Become cheaper than meat**
 - **Be healthy**
- Plant based meat products see decline in sales over the last 2 quarters because of **negative consumer experience**

Trends and Pain in Pet Food

- Pet owners seeking to follow meat category trends to reduce meat
- But pets cannot easily shift to plant based – cats are carnivores and dogs although are omnivores have many limitations when it comes to plant-based diet



**Grasshoppers consumed by over
1 billion people**

Are a natural food source for pets

**Only source for supply is collection
in the wild**

The Solution

- Grasshoppers are pets natural diet and can also provide wide range of health benefits
- **A new category (blue ocean) of “Paleo Diet” for pets**



Better taste

Better texture

Better color

Better for your health

Better for the environment

Better for your consumer

Better efficiency



The Mission

Deliver Better Protein

Better taste, texture & colour

Complete protein, rich in nutrients

More efficient to produce

Healthier for humans and animals

Healthier for the planet

**1 spoon provides
 $\frac{1}{3}$ of daily protein
intake
Natural 72%
complete protein**



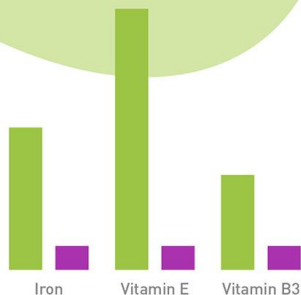
* For men according to WHO

NUTRIENT RICH & HEALTHY

Locust are a natural powerhouse of complete protein, antioxidants, vitamins and minerals



HARGOL
vs.
Whey



Perfect for sports performance nutrition:

72% complete protein – High quality protein with high proportion of essential amino acids.

Rich in BCAA (Branched-chain amino acids) –

Help build muscle mass, reduce fatigue during exercise and reduce muscle pain after exercise.

Rich in iron – Essential for red blood cell production and to carry oxygen from the lungs.

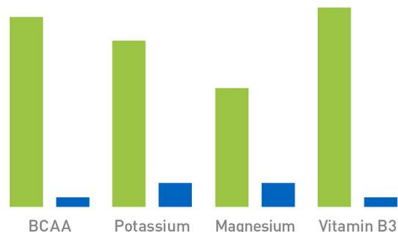
Rich in potassium – Important for muscle function and heartbeat regularity.

Magnesium – Helps with muscle, nerve function and regulating blood pressure.

Vitamin E – Powerful antioxidant, aids in the production of red blood cell.

Vitamin B3 (Niacin) – Turns food into energy.

HARGOL
vs.
Soy



Vital for your wellbeing and wellness - Essential micronutrients that have roles in:

Rich in antioxidants – 5X more than fresh oranges.

Strengthens the immune system – Rich in iron, zinc, vitamin E, vitamin B12, copper & magnesium

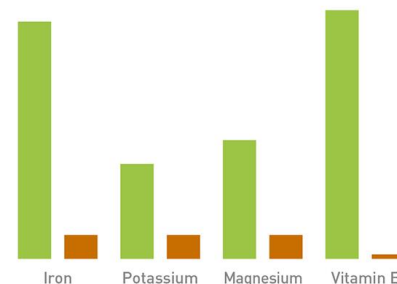
Improves gut health – Probiotic fiber – High in chitin

Enhances sleep – Rich zinc, iron, vitamin B3 (niacin), vitamin B12, copper & magnesium

Great for skin – Rich in vitamin E, zinc & copper

Wound healing and injury recovery – Rich in zinc & magnesium

HARGOL
vs.
Chicken
Breast



Healthier for Humans & Animals

- Support children's growth
- Improve metabolism
- Reduce body fat
- Support immune system
- Improve brain and gut health

backed by research with additional research planned

SUSTAINABILITY

All the richness and goodness from nature's most efficient protein source, significantly reducing the ecological footprint!



-99%

Carbon
Emissions



-99%

Water
Consumption



-99%

Arable Land
Usage



-99%

Waste
Production



Matured Technology

Kept as Trade Secrets

Climate resilient environment

Year-round farming, Every geography

Accelerated eggs incubation

Reduced from 40 to 2 weeks

Novel cage infrastructure

Vertical farming

Next Generation Technology

Reached POC, Potential Patents

Improve production efficiency by 90%:

Dry feed

Non-GMO novel genetic lines

Fully automated farms

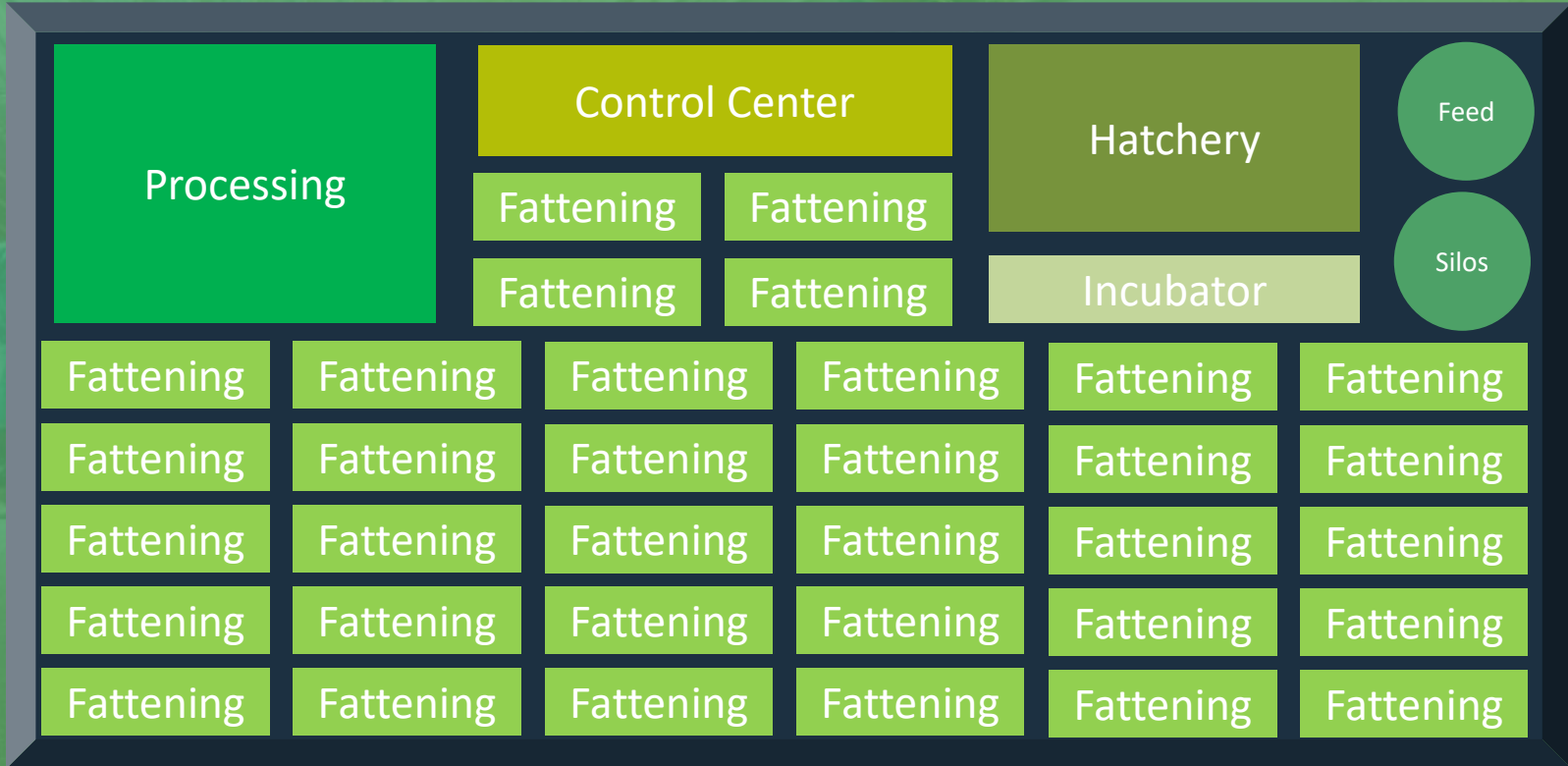
Reduced energy consumption

Production Scale up

Improve Efficiency

Year	Plant Size (m ²)	Annual Production Capacity per Plant (tons)	Main Technology	New Plant Set-up Time (months)	Production Cost Reduction (%)	Investment to reach milestone (USD)
2022	1,000	40	Current	4	-	\$0.5M
2023	1,000	50	Current, Scale-up capacity	4	3%	\$0.8M (per plant)
2024	1,000	150	Dry feed, Energy savings	4	70%	\$6M
2025	30,000	80,000	Automation	18	90%	\$30M

Future Plant Concept



Seeking Strategic Partnership

Strategic Partnership

1. JV to develop & launch products based on Hargol's ingredient in 2023:
 1. Meat
 2. Pet food
 3. Sports performance nutrition
2. Establish local grasshopper production next to food producer facilities.
3. Join as a strategic investor in Hargol



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