



Yeast Protein: Optimizing Nutrition, Elevating Product Performance

Complete nutrition, clean taste and versatile protein fortification



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we are
**Food
Lovers**

01

The New Protein Expectation

The New Protein Expectation

Protein has moved from niche to mainstream.

34% actively seek functional foods

57% actively increase protein content

80% of consumers globally pay attention to protein in their diet

84% believe natural ingredients provide multiple health benefits



1 - Innova Consumer Survey 2026-global

02

The Challenge

The Challenges

Demand for high-quality protein is accelerating

Global Consumers' Top Features for Quality Protein:

1



High in protein

2



Source
transparency

3



Clean features

4



Natural or
minimally processed

1-Innova New Product Launches database (including reformulation) - Period: 2023-2025

03

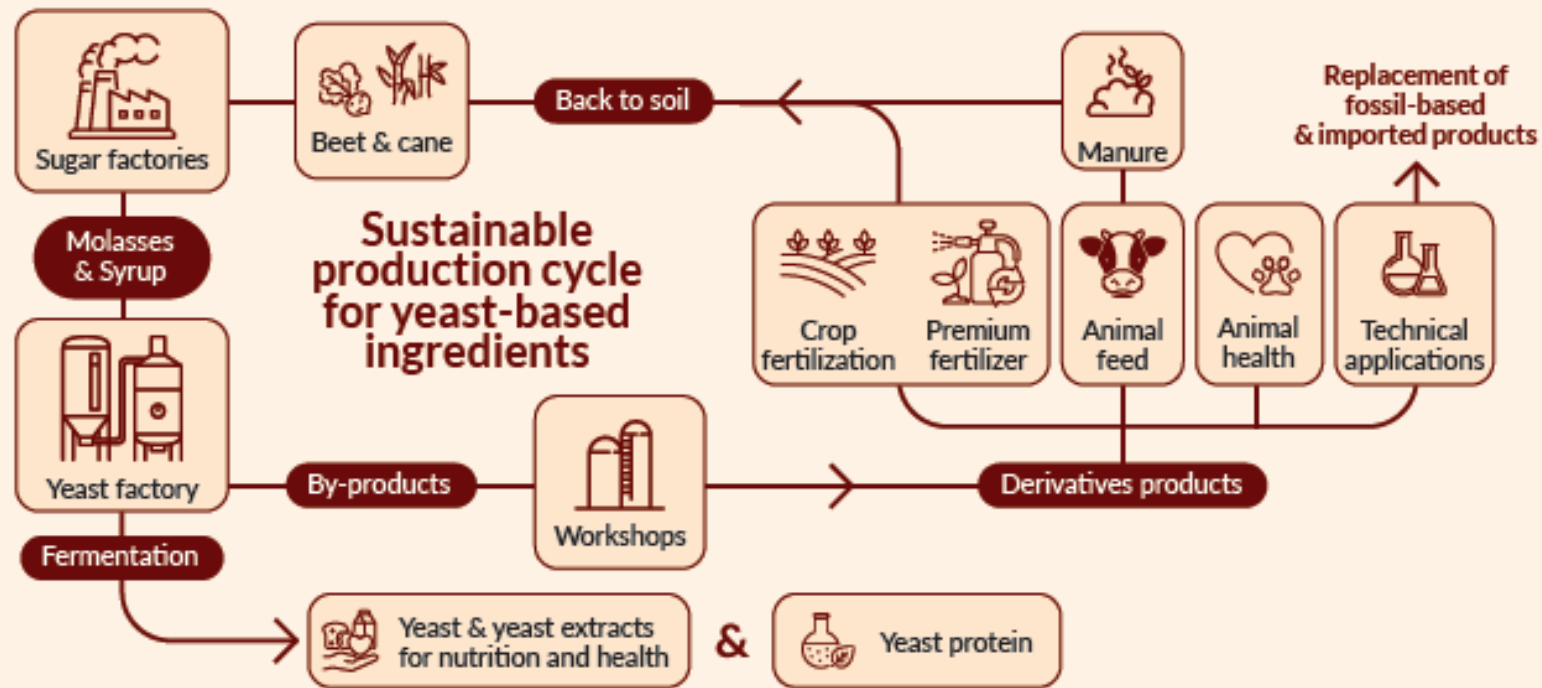
Introducing Springer Proteissimo®

Springer Proteissimo®

From natural yeast fermentation to sustainable protein ingredients

A next-generation yeast protein solution, produced through controlled fermentation, ensuring:

- Consistent composition
- High protein quality
- Sustainable production cycle



Springer Proteissimo®

A complete and highly bioavailable protein

- Naturally **rich in essential amino acids**
- Includes **branched-chain amino acids** (BCAAs)
- Supports **muscle metabolism** and recovery pathways
- **High digestibility** and physiological tolerance
- Suitable for **allergen-free** and **low FODMAP formulations**



Springer Proteissimo® Delivers Complete and Highly Digestible Protein

A fermentation-derived protein with a balanced amino acid profile

All 9 essential amino acids

High BCAA (>21%)

High EAA (>47%)

PDCAAS = 1

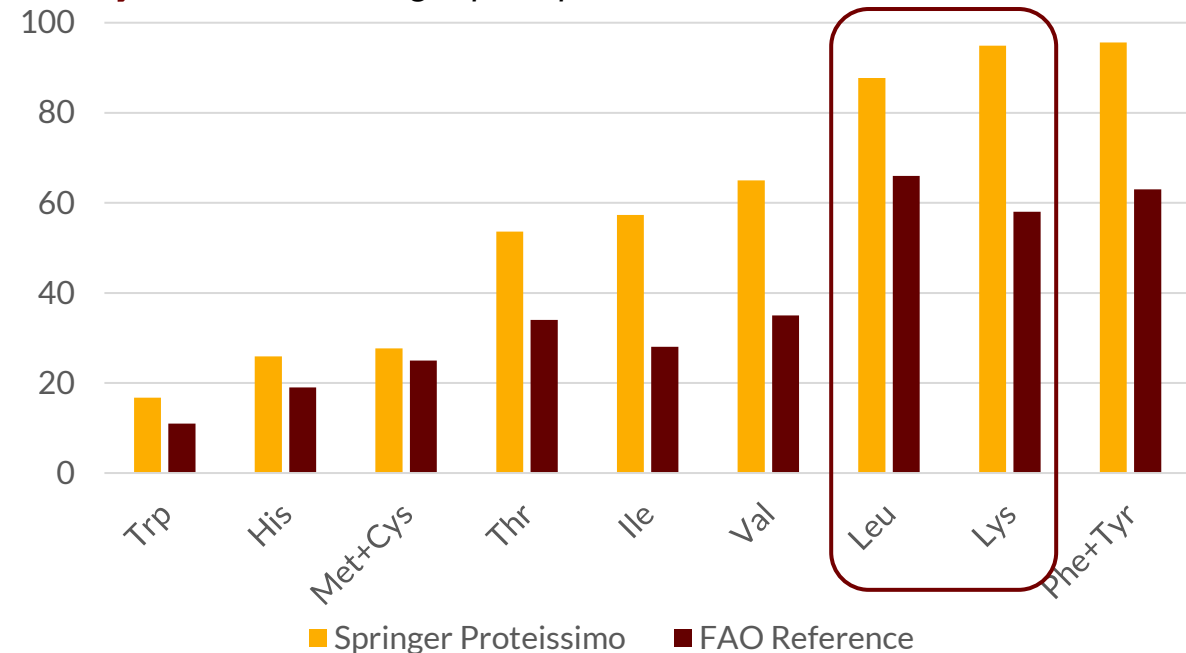
DIAAS >1

Versus PDCAAS

SOY (0.86-1) | PEA (0.62- 0.93) | WHEAT (0.42-0.57)

Leucine Key amino acid for muscle protein synthesis

Lysine Often limiting in plant proteins



*These values are given for indicative purposes only
- Protein content: +/- 5% scale based on average results obtained to date*.
- EAA: Essential Amino Acids for 100g protein

Proteissimo provides a complete protein comparable to many other proteins while remaining vegan and allergen-free.

Comparable Gastrointestinal Digestibility to Whey & Casein

Model: Simulated human gastrointestinal digestion (oral → gastric → intestinal phases)

① Gastric Phase (0–120 min)

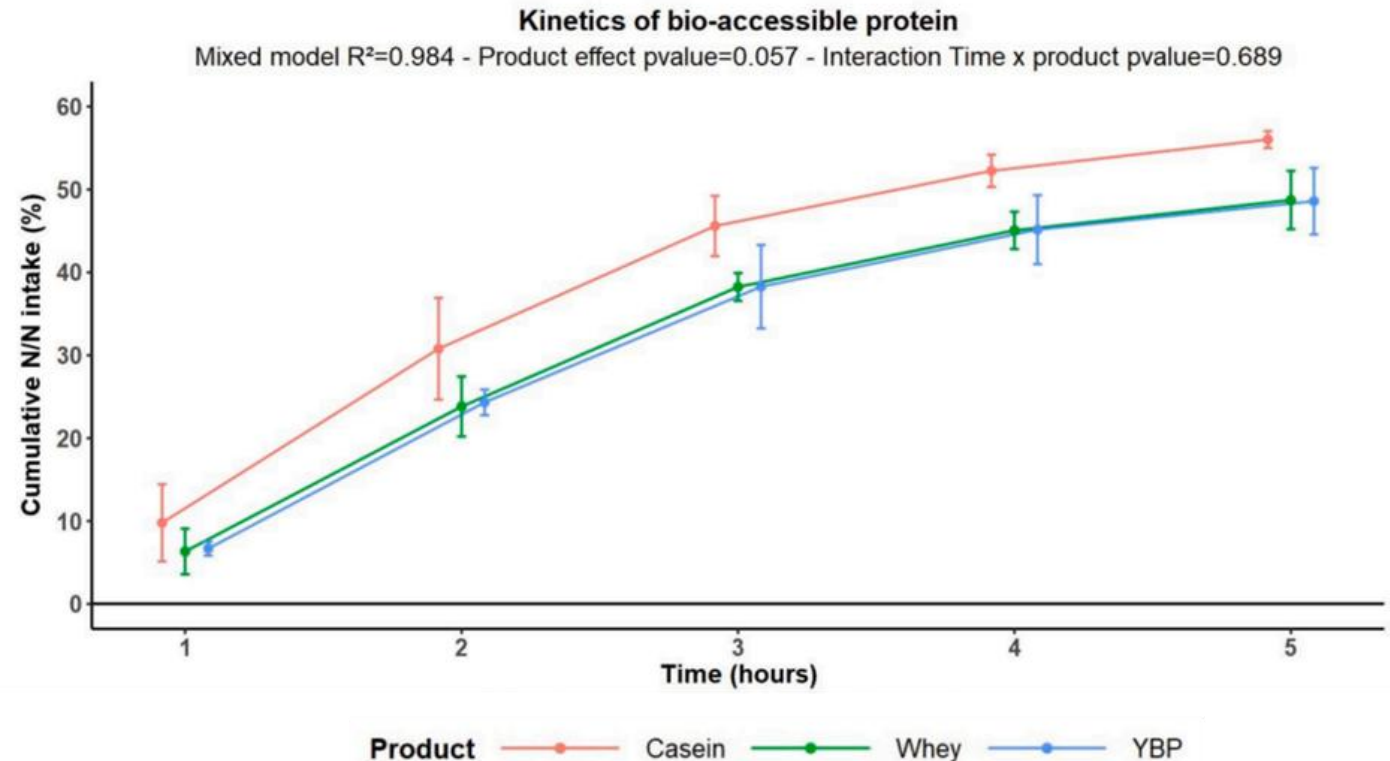
- Whey = rapid digestion (fast protein)
- Casein = slower, coagulating protein
- **Yeast protein shows progressive hydrolysis profile**
- No delayed breakdown vs dairy

② Intestinal Phase

- Amino acid release from yeast protein
→ **Comparable to whey by end of intestinal digestion**
- Final digestibility plateau similar to dairy proteins

③ Ileal Digestibility

- High recovery of indispensable amino acids
- Consistent with DIAAS >1



*Yeast protein is neither inferior nor limited in enzymatic accessibility.
Its digestion kinetics are in the same physiological window as whey and casein.*

Digestive Sensitivity is a Growing Consumer Concern

Consumers increasingly look for foods that are easier to digest



What is IBS ? (*Irritable Bowel Syndrome*)

- Certain carbohydrates are difficult to digest
- People with IBS experience stronger reactions to hard-to-digest foods
- Up to **1 in 7 consumers** experience IBS-related digestive discomfort



Market Opportunity: Appeals to consumers with digestive sensitivities (10-15% of the population).



Consumer Trust: Monash certification provides scientific credibility

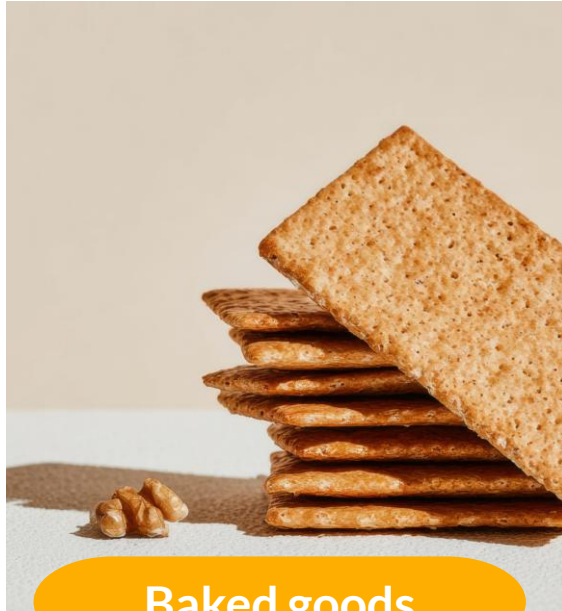


Competitive Differentiation: Springer Proteissimo® 102 is gut-friendly alternative to many plant proteins.



Functional & Sensory Performance

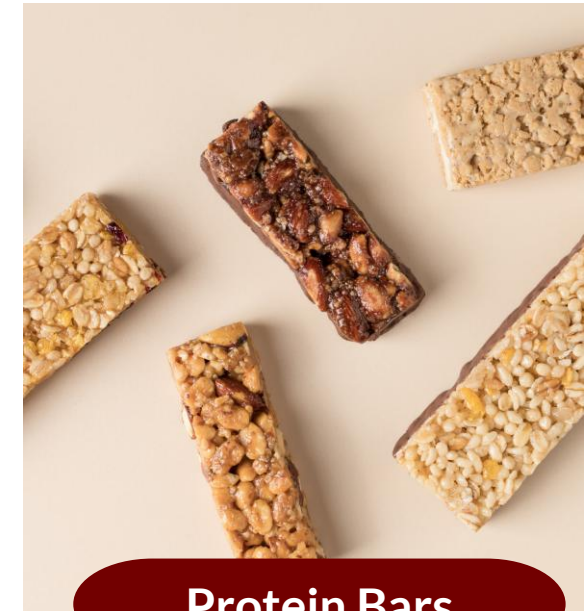
Multi-benefits for diverse applications



Baked goods



Protein Shakes



Protein Bars

- Enable **high-protein nutritional claims**
 - Improve the **nutritional profile**
 - Maintains **clean flavor profile**
- Maintain **clean flavor profile**
- Enable **hybrid protein formulation**
- **Complete protein** (*all 9 essential amino acids*)
- **Prevents bar hardening** over time
- Maintains **soft texture and chewiness**
 - **Neutral taste** profile

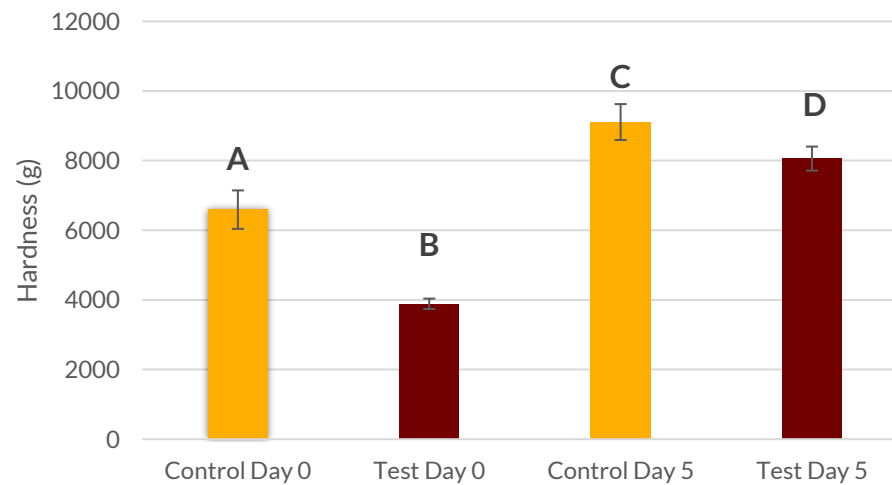
Texture Profile Analysis: High-Protein Bar Filling

Results

| Ingredients | Control (%) | Test (%) |
|---------------------------|-------------|----------|
| Inulin Syrup | 33.43 | 33.43 |
| Pea Protein | 27.90 | 20.90 |
| Unsweetened Chocolate | 20.00 | 20.00 |
| Deodorized Coconut Oil | 10.00 | 10.00 |
| Glycerin | 8.00 | 8.00 |
| Caramel Flavor | 0.60 | 0.60 |
| Stevia | 0.07 | 0.07 |
| Springer® Proteissimo 102 | - | 7.00 |
| | 100.00 | 100.00 |



5-Day TPA Test of Protein Bars



Test: ANOVA, Kruskal-Wallis



Texture analyzer TA.Xt plus

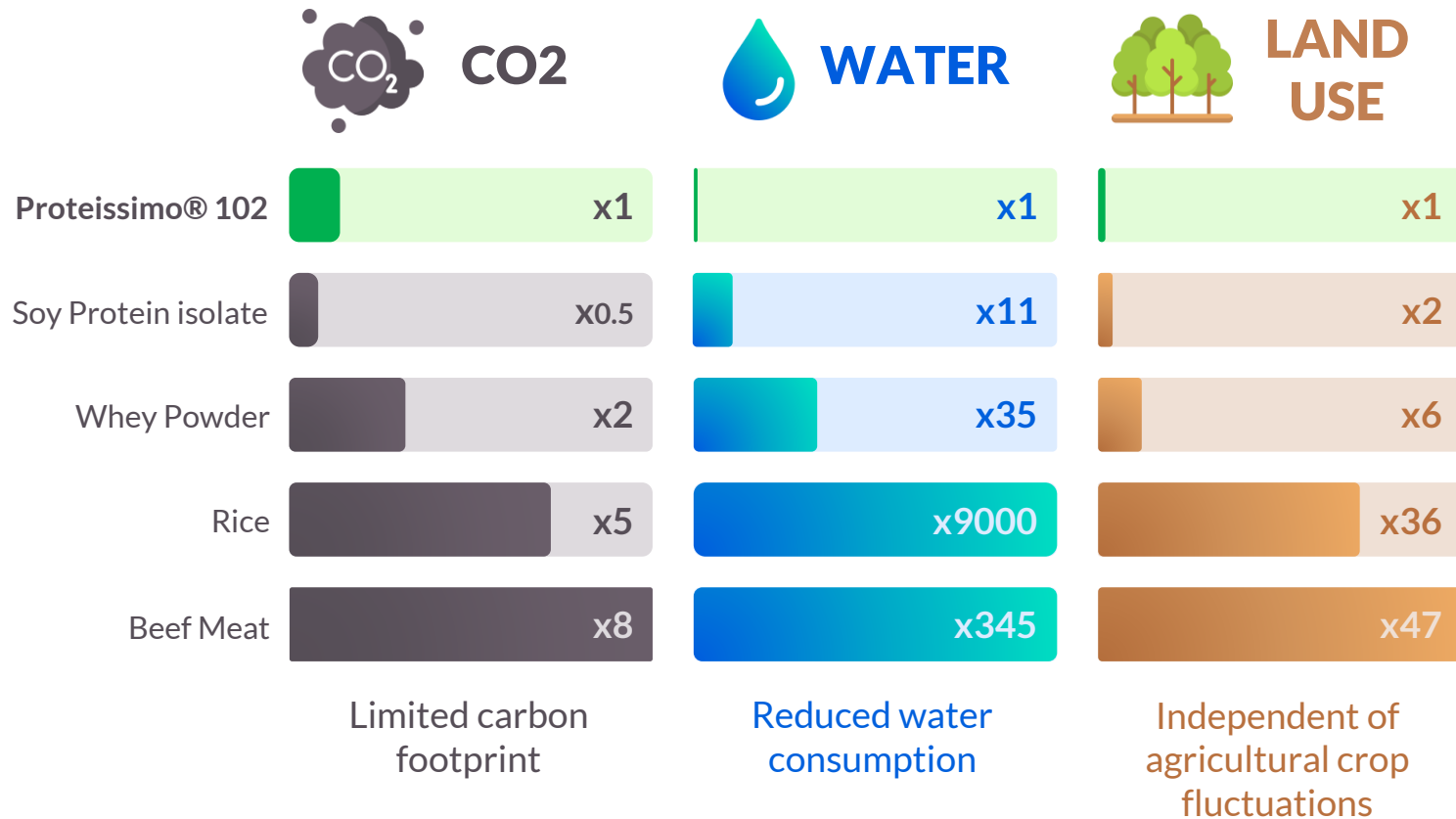
Day 5 results → 7% Proteissimo 102 reduced hardness by 12% versus control.

04

Sustainability Advantage

A Low-Impact Protein

Significantly lower carbon, water and land footprint vs traditional protein sources



Fermentation Advantages

Converts simple nutrients efficiently into protein

Stable production independent of agriculture or climate

Lower water and land requirements than traditional proteins

Fermentation enables protein production with significantly lower environmental resource requirements.

Unlocking Innovation

Enabling the next generation of protein products

Springer Proteissimo® supports brands in delivering:





Thank you