



Plant-based texturates by GoodMills Innovation: The "meat" of tomorrow and its drivers

## Agenda

### No. Topic

- 1 Hello and Moin We are GoodMills Innovation
- Identify Market and Consumer Insights: The Scandic Market / Finland
- **4** VITATEX Portfolio
- 5 Appendix



### **Our Three Pillars of Succes**

We combine knowledge, experience and regional roots.







#### Innovative



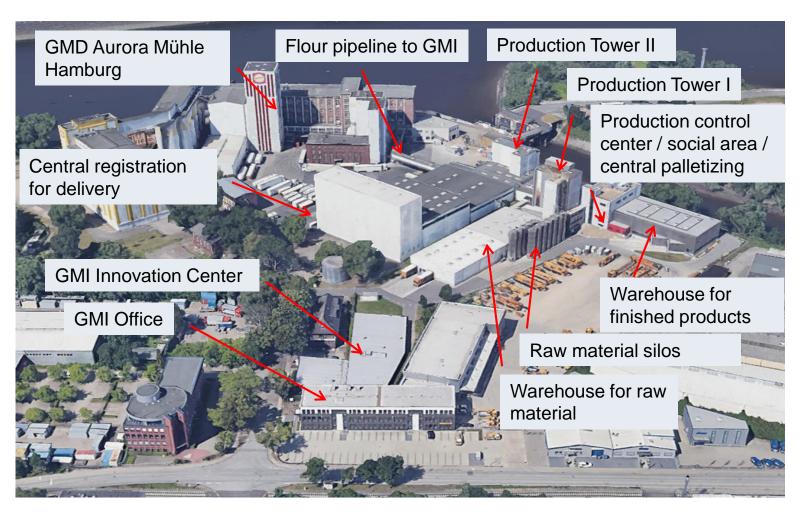




# **Innovation Campus Hamburg**

One area, many facilities

The Campus Hamburg offers all modern facilities for great innovation.



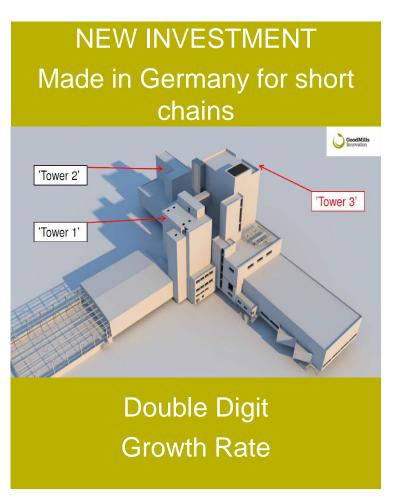


# **Innovation Campus Hamburg**

Short Distances- solution development & manufacturing- Investment into the Future

Combining Insights & Application 180 **Employees** 

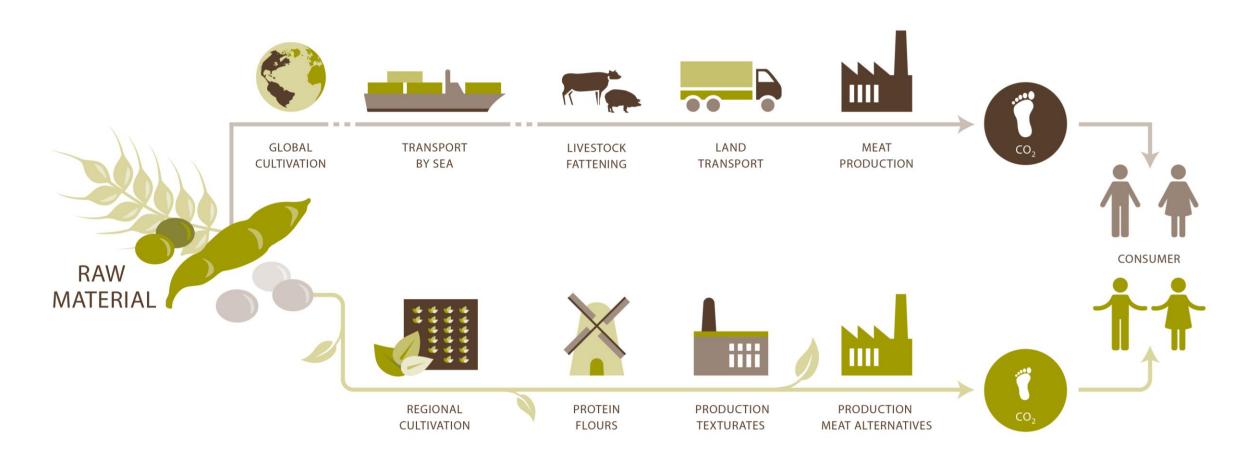






# For a Healthy Planet - Think Globally, Act Locally

A resource-efficient & sustainable supply chain for healthier nutrition.





### **Our Markets**

Consumer, Brands & Market-Specific Solutions

Plant-based



Bakery's and Handcraft Tarde



Snacks



Industrial Bakery





# **Strong Partners for the Best Results**

Our results are driven by science and based on cooperation.

Universities & Institutes



Health

**Innovation** 

























































**Identify** 

### A global phenomenon & "the new normal"

Source: Innova Market Trends 2021





#### Global turnover alternative protein

Source: BCG, Blue Horizon 2021

40 bill. € <sup>2020</sup>

336
bill.€

2035
forecast

Plant-based eating has continued to evolve, reaching not just mainstream but what might even be described as global phenomenon status.

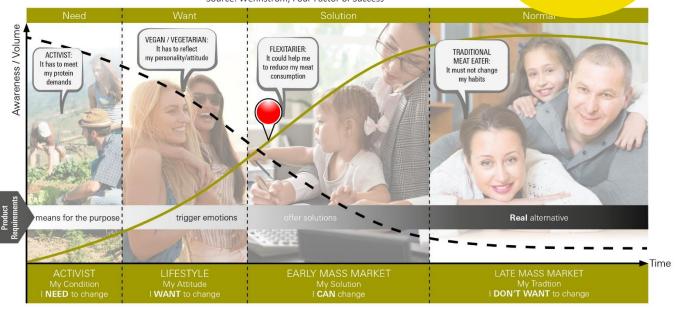
1 out of 4 consumers intends to

consume plant-

based meat.

**Evolution of Plant-based Meat** 

Source: Wennström, Four Factor of Success



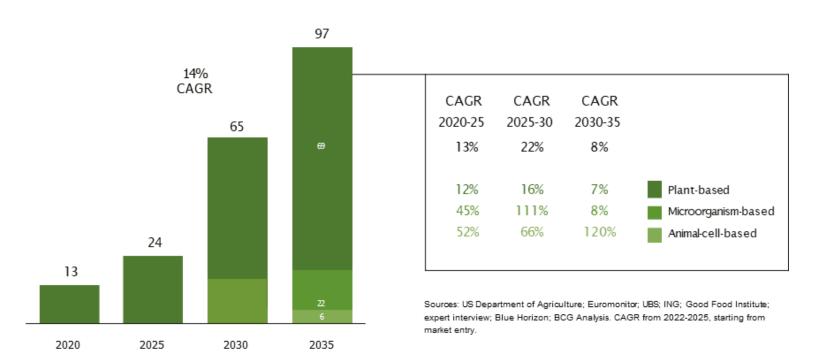
# **Barriers of growth High prices** 65% **Availability** 52% Source: EIT\_Whitepaper\_ Limited choice / variety 52% GoodMills

### Plant-Based: Unlocking a New Narrative

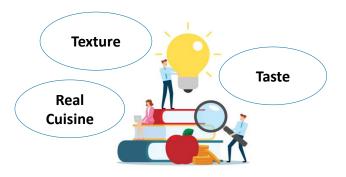


Consumers still want to see improvements in taste and texture, but there is a huge appetite for culinary creativity and worldwide flavor profiles

Alternative protein consumption will grow in three waves:

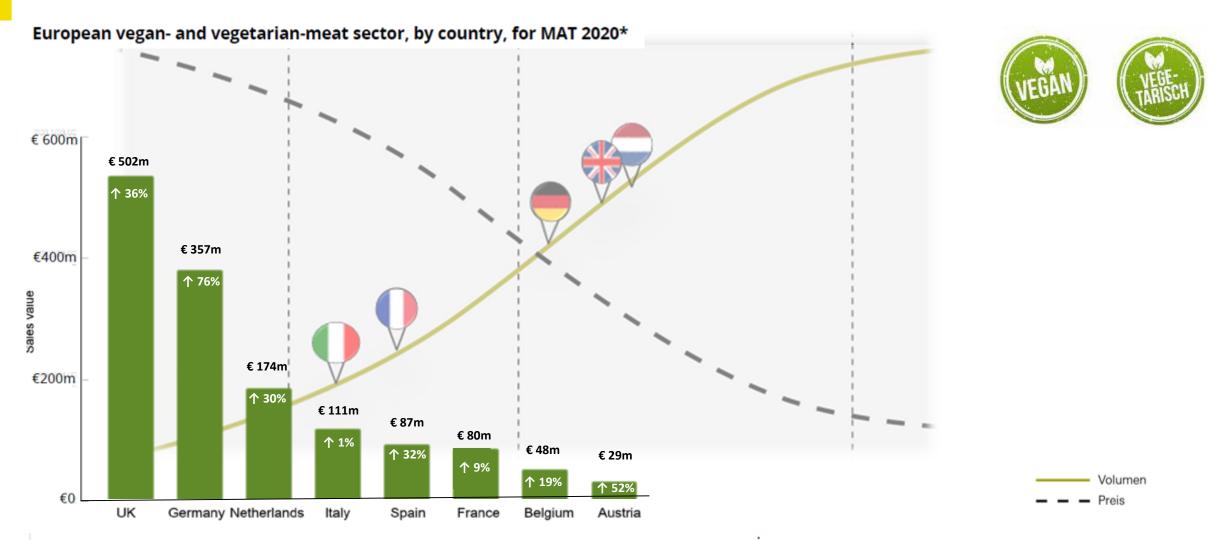


2/3 of the consumers
want to try plant-based
versions of traditional, local
cuisines
Source: Innova's global survey



### Comparison of sales of plant-based meat alternatives in European markets





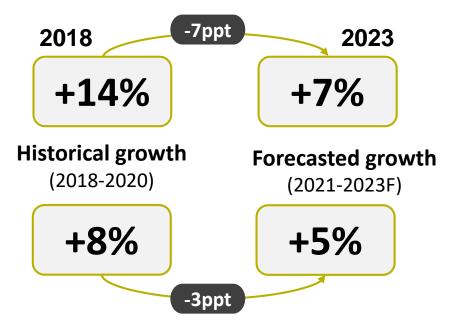
<sup>\*</sup>Total market incl. discounters, AU+BE+DK+FR+GER+IT+NL+RO+SP+UK, sales value in € and growth rates, plant-based (vegan and vegetarian) meat by country, MAT Sep/Oct (between CW39 and CW42 depending on country) 2020.

GMI Company Presentation | Hamburg | 21.07.2021 MAT= Moving Annual Total Quelle: The Smart Protein Plant-based Food Sector Webinar

### **Unlocking a New Narrative**

Underused ingredients and technology-enabled new formats open up wider spaces for standalone

plant-based innovation





Game changers:

- 1. Improved flavor
- 2. Improved texture

higher ranking

- 3. Standalone products (not mimicking meat/dairy)
- 4. More regional specialties

lower ranking

6. Better mimicking of meat/dairy products

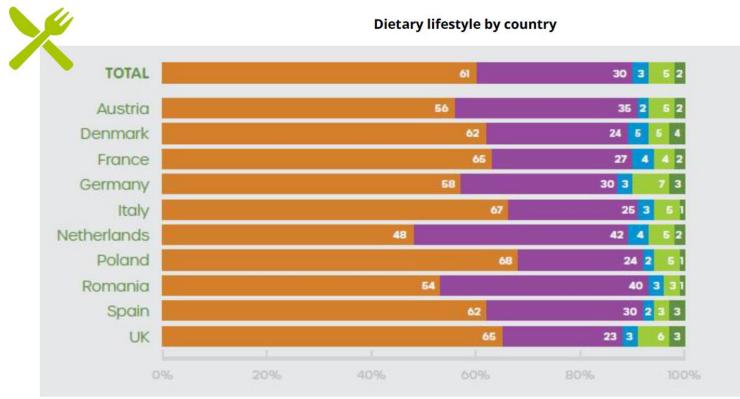


# To Sum up:

### The new normal...following a plant-based diet

# Following a flexitarian or plant-based diet is the new normal





- Omnivore
  (I frequently eat meat, such as beef, pork, chicken, turkey, fish and/or shellfish)
- Flexitarian
  (I sometimes eat meat,
  but I am trying to reduce
  my meat consumption
  and often choose
  plant-based foods
  instead)
- Pescetarian
  (I eat fish and/or shellfish, but no other types of meat)
- Vegetarian
  (I don't eat meat and
  fish of any kind, but I do
  eat eggs and/or dairy
  products)
- Vegan
  (I don't eat meat, fish,
  eggs, dairy products,
  or any other
  animal-based
  ingredients)

Questions: Which category best describes your current dietary lifestyle? | Single selection





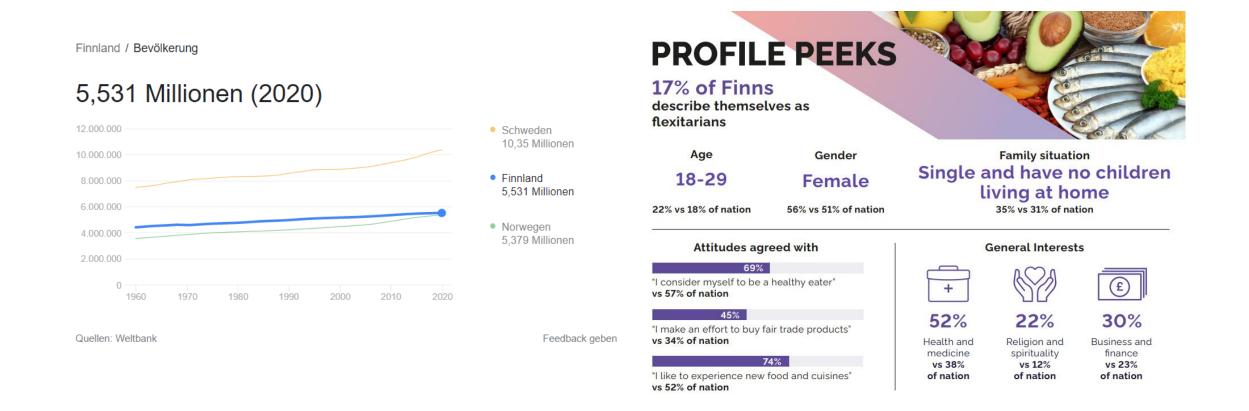


# **Finland**

# **Consumer Insights:**



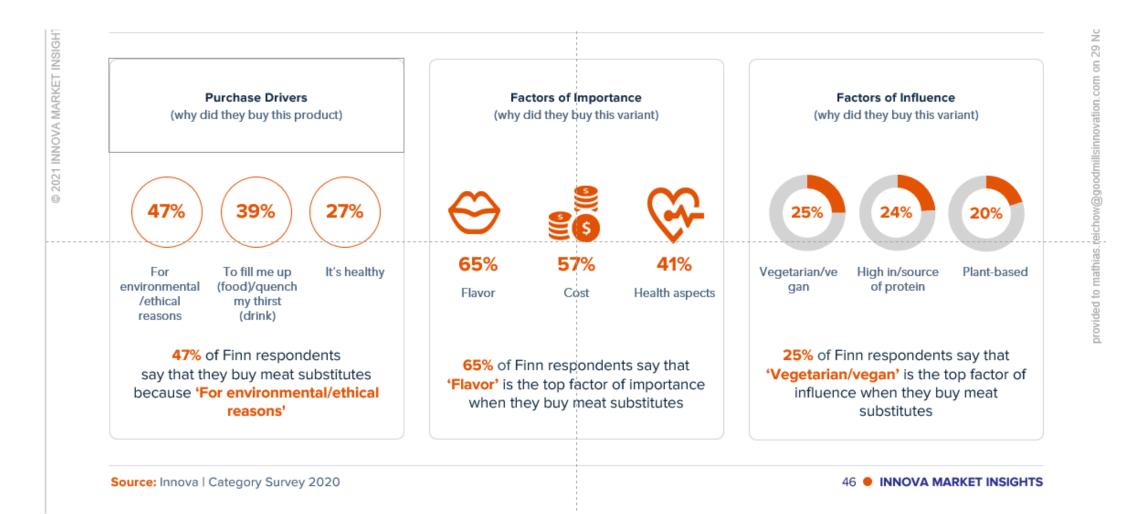




### **Consumer Insights:**

### 47% buy meat-substitutes for environmental reasons

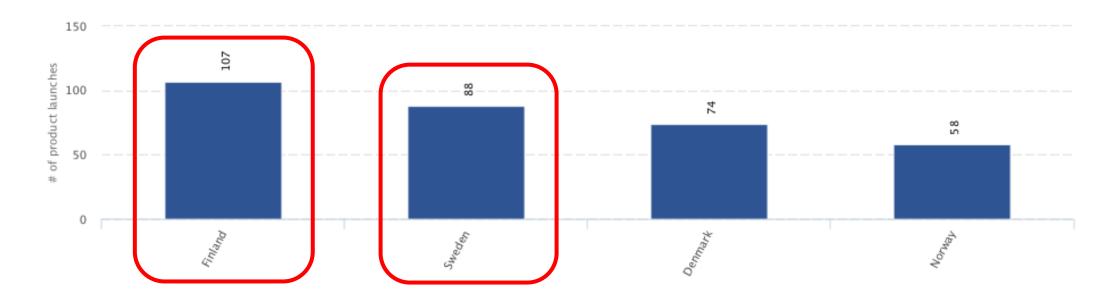




# Category Insights: New product launches



New product launches Plant Baded Meat Sep 2019-Sep 2021



# **Key Findings Finland**





Various porteine sources are used for plant-based meat: wheat, pea, beans, milk, oats, grains.



Already in 2020, Finland has invested €2.1M to create globally competitive plant protein based foods (Partners for e.g.: Apetit & Avena Nordic Grain, Compass Group Suomi, Fazer,).



National players are dominating the market.



17% of the Finns describe themselves as flexitarians. Considerative consumption affects the everyday choices of 38% of Finns. 47% buy meat-substitutes for environmental reasons.



Challenges: High interest in locally produced food; transport costs might be a barrier; limited market knowledge & contacts



Opportunity: To work with strong partners in a strongly growing market

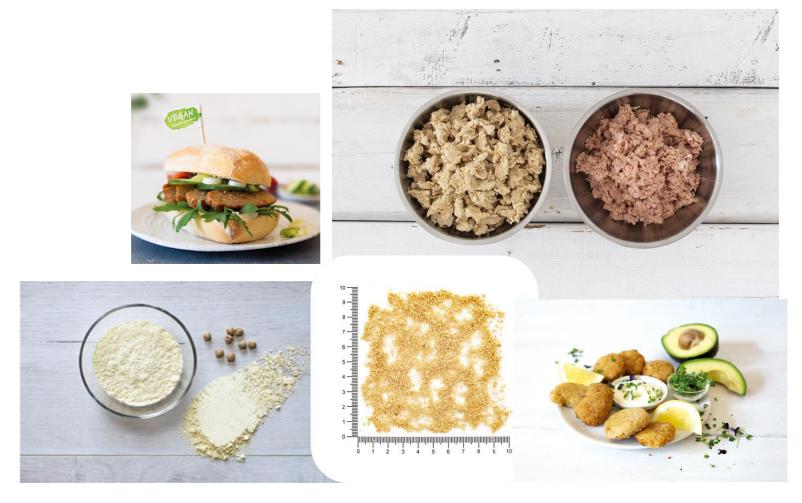




# **Product Portfolio**

### **Diverse Product Portfolio**

- Vitatex
- Wheatmeat
- Compounds
- Vegan Snack Mix
- Pulses





# VITATEX® Sustainable Vegetable Proteins

The right texture for a better world





#### At a glance

- Easy processing
- Low saturated fat content
- Non-GMO
- Clean Label
- Extensive application expertise

#### What's in it

Different types and sizes:

- Textured wheat protein
- Textured pea protein
- Textured soy protein

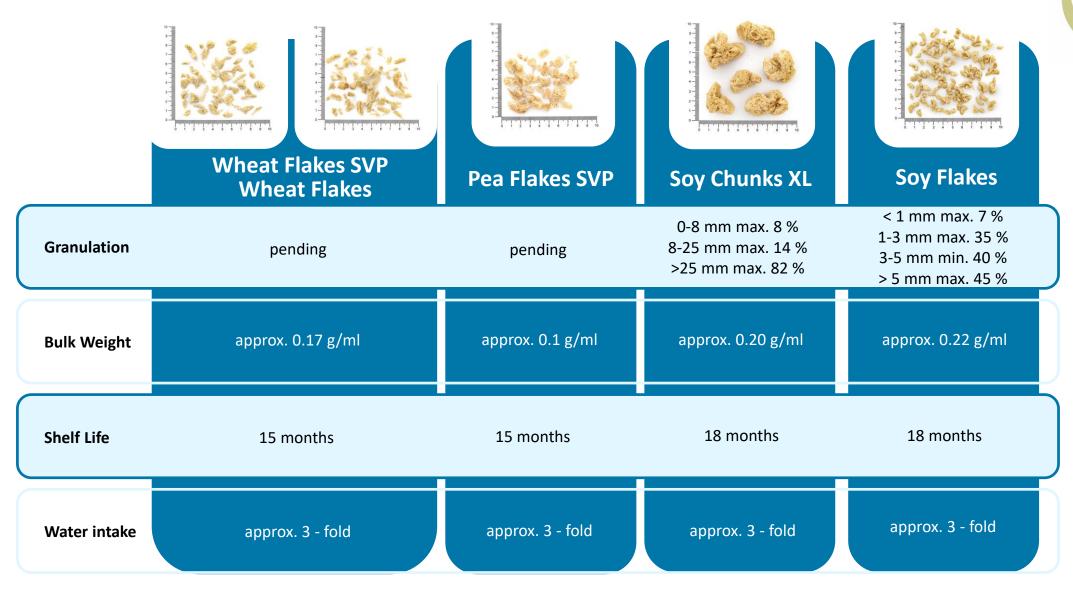
#### About

VITATEX® sustainable protein texturates from wheat, peas and soy for plant-based meat and fish alternatives with great taste and authentic texture. Also suitable for hybrid products and fillings.

- Rich in Protein
- 100% plant-based
- Cholesterol free
- Low sodium
- Low saturated fat content



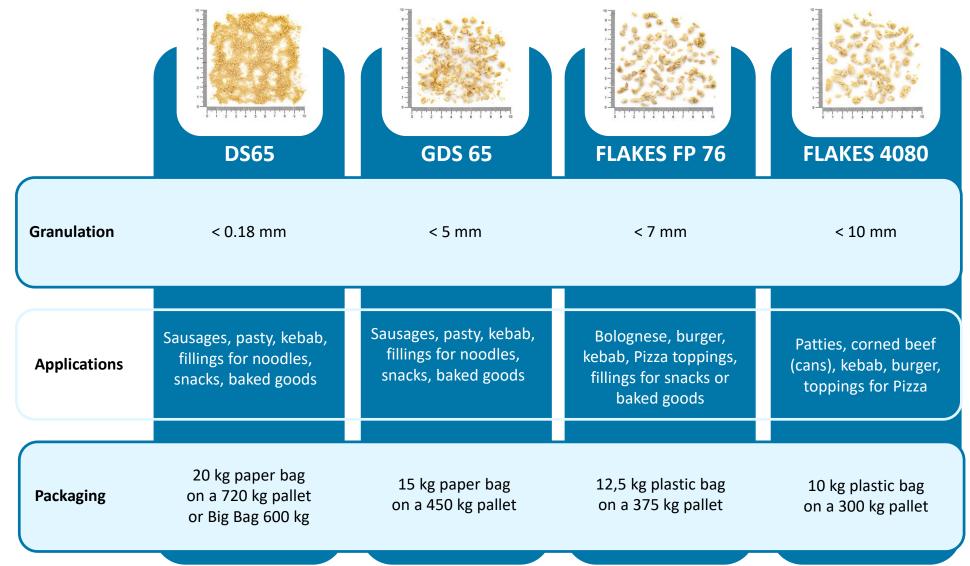
### **VITATEX®** Attributes





## **WHEATMEAT®** Attributes







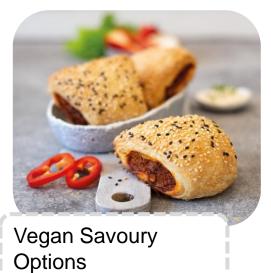
# Meat Alternatives are taste driven Good Compounds



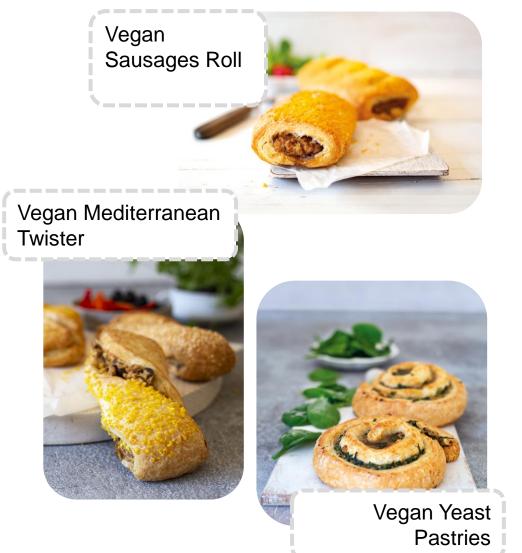


# Variaty in the Veganen Snack Sektor

Vegan Snack Mix – One Product – endless applications











# **Veganer Snack Mix**

Compound / 100% Solution

#### Ingredients:

Texturized wheat protein (wheat protein, wheat flour), thickening agent methylcellulose, pea fiber, salt, vegetable oil (rape seed), starch (corn), yeast extract, roasted malt (barley), onion powder, garlic, pepper, colouring food beetroot extract, acidifier (citron acid).

#### Application:

Vegan burger or meatballs for snack products

#### Basic recipe:

VITATEX Vegan-Snack-Mix	330 g
water	570 g
vegetable oil	100 g
ready-to-use mass	1000 g





# VITATEX® Vegan Snack-Mix

Meat-free – and loving it





#### At a glance

- A juicy bite and authentic meat flavour
- The innovative all-rounder for burgers, balls, small skewers, or pastry and snack fillings
- Efficient handling: can be safely frozen in raw or baked state

#### What's in it

Ingredients: Texturized wheat protein (wheat protein, wheat flour), methylcellulose, pea fiber, salt, vegetable oil (rape seed), starch (corn), yeast extract, roasted malt (barley), onion powder, garlic, pepper, colouring food beetroot extract, acidifier (citron acid).

#### About

Plant-based meat alternatives are becoming popular. Gone are the days when they were a niche product, and their attraction will continue to grow rapidly over the next few years.

- Rich in Protein
- 100% plant-based
- Simple yet individual preparation, just add oil and water, mix well and "refine" as desired.
- No artificial colouring
- Soy free



### **Pulses**

### Integrating the raw material expertise of



### pairing with application skills









#### **PRODUCTS**





FavaBean Chickpea RedLentil YellowPea

✓ Protein: 40 – 65 %



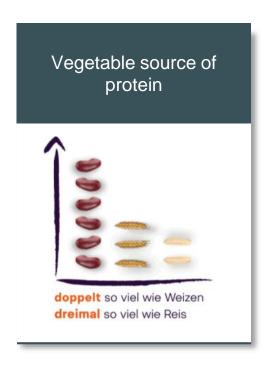
FavaBean Chickpea RedLentil YellowPea

✓ Balanced protein-starch ratio



### Müllers Mühle

### **Drivers of the demand... Are all meat by our Pulses**









Quelle: Recherche Müller's Mühle

# Müllers Mühle Focus Segmente













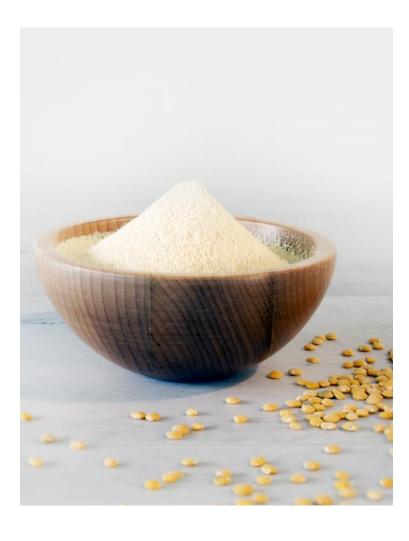


Quelle: Recherche Müller's Mühle

### **SMART Pulses Pro**

Functional, sustainable, healthy, universally applicable





#### At a glance

- High protein flours
- Air separation
- Rich in minerals and vitamins
- Low glycemic index for a long-lasting satiety
- Sustainable and environmentally friendly production

#### What's in it

**High protein flour from:** Chickpea / Fava Bean / Red Lentil / Yellow Pea

**Dosage:** Depends om application

#### About

SMART Pro pulses functional windsifted legume flours from chickpea, fava bean, red lentil and yellow pea for plantbased products with good taste and unsurpassed positive image as a high source of vegetable protein.

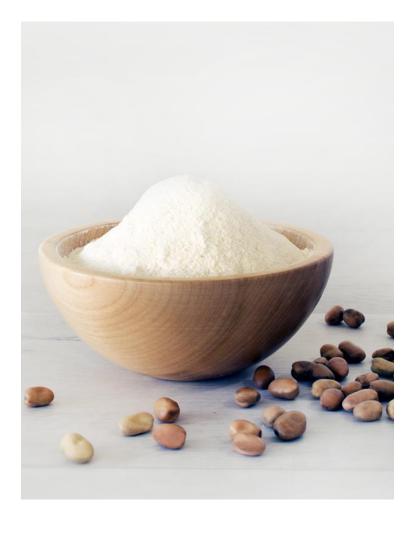
- Clean Label
- Rich in Protein
- 100% plant-based
- Non-GMO
- Allergen-free at source



### **SMART Pulses**

Functional, sustainable, healthy, universally applicable





#### At a glance

- Native pulses
- Naturally high protein content
- Optimization of the nutritional profile
- Low glycemic index for a long-lasting satiety

#### What's in it

Native pulse flour from: Chickpea / Fava Bean / Red Lentil / Yellow Pea

**Dosage:** Depends om application

#### About

SMART Pulses functional native legume flours from chickpea, fava bean, red lentil and yellow pea for plant-based products with good taste and unsurpassed positive image as a source of vegetable protein.

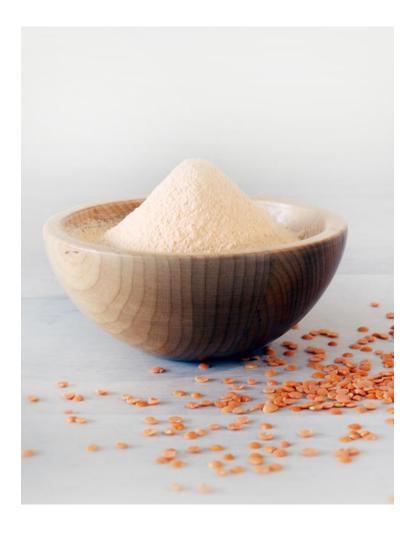
- Clean Label
- Rich in protein
- Rich in minerals and vitamins
- 100% plant-based
- Non-GMO
- Allergen-free at source



### **PURAFARIN** Pulses

Add value to your products with pulses





#### At a glance

- Texture improver for baked goods, snacks, pasta
- Vegetable source of protein
- Rich in minerals and vitamins
- Low glycemic index for a long-lasting satiety

#### What's in it

Native pulse flour from: Chickpea / Fava Bean / Red Lentil / Yellow Pea

**Dosage:** Depends on application

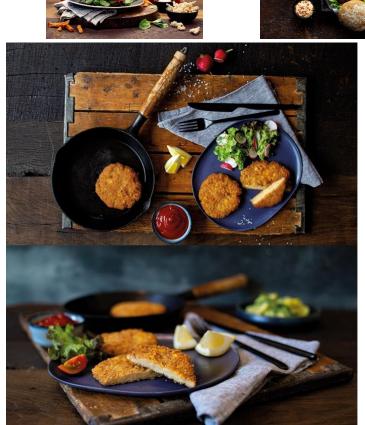
#### About

PURAFARIN pulses functional windsifted legume flours from chickpea, fava bean, red lentil and yellow pea for plantbased products with good taste and unsurpassed positive image as a vegetable ingredient.

- Neutral taste
- Clean Label
- 100% Plant-Based
- Allergen-free at source
- Non-GMO



# **Let's Try the Applications!**

















Thank you for your attention & feel free to reach out at any time



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