

# Specialized Nutrition

Nourishing life, every step of the way.





At Cargill, we understand the essential role of good nutrition – and the positive impact your products can have on our growing population. We are committed to being your trusted partner in co-creating nature-inspired, science-backed solutions that can make a real difference to a person’s health and well-being.

# Nourishing life, from early days to advanced years.

From supporting infant development to grandparents’ healthy aging, our nutrition ingredients nourish life, every step of the way.

## SPECIALIZED NUTRITION SOLUTIONS

- [Early Life Nutrition](#) ..... 4
- [Active Nutrition](#) ..... 6
- [Medical Nutrition](#) ..... 8
- [Dietary Supplements](#) ..... 10
- [Ingredient Portfolio](#) ..... 12
- [Partnering with Cargill](#) ..... 14

# Early Life Nutrition

Essential nourishment for a healthy start.

The initial 1,000 days (maternal, infant and toddler phases) are crucial for a mother's well-being and the development of a child.<sup>1</sup> Nutrition during this early-life period not only shapes immediate physical and cognitive growth; it also develops a vital foundation for lifelong health.

Cargill Early Life Nutrition solutions are designed to provide essential macronutrients without compromising on quality or safety.

1,000,000+  
new brain connections are  
formed per second in the  
first years of a child's life.<sup>2</sup>

## Nourishing developing bodies, minds and immune systems.



### Maternal nutrition (prenatal to nursing)

A mother's nutritional needs change at every stage of her journey. We support quality maternal nutrition with an ingredient portfolio that highlights:

- Probiotics
- Phospholipid-bound choline
- Omega 3s



### Infant nutrition (birth to 12 months)

From meeting daily nutritional requirements to specific dietary or medical needs, ingredients like these add valuable benefits to infant milk, specialty formulas and baby foods:

- InfaNutra® oil solutions
- Nutritive carbohydrates
- Omegas 3 & 6 (DHA, ARA)



### Toddler nutrition (1 to 3 years)

On-the-go toddlers need adequate nutrition to support increased energy demands, rapid cognitive growth and immune health. Our tools for this stage include:

- Vitamin E
- Plant-based proteins
- Dietary fibers

### Nutritional benefits

-  **Brain**  
Nourishing cognitive & emotional development.
-  **Immunity**  
Modulating the microbiome to positively support the immune system.
-  **Gut & digestion**  
Promoting a healthy microbiome for nutrient metabolism & digestive support.
-  **Growth & development**  
Supporting healthy growth & well-being for a strong start in life.

### Cargill advantages

-  **Close to nature**  
Continuous innovation & progress toward the gold standard of breast milk.
-  **Safety**  
Fully traceable ingredients protect your reputation & parents' peace of mind.

*Cargill acknowledges and supports that breastfeeding is the safest, best and most adequate natural nutrition for infants. If breastfeeding is not possible, high-quality infant formula can provide a suitable alternative.*

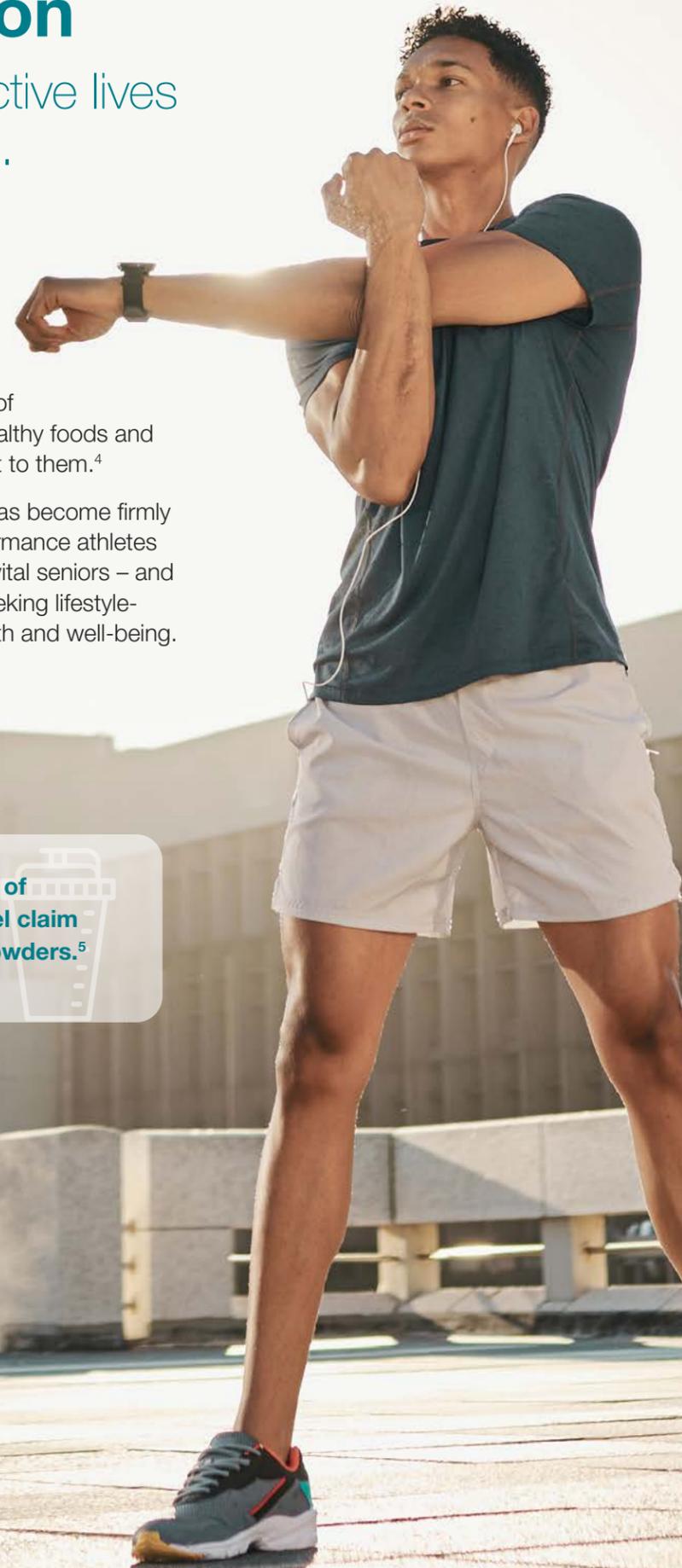
# Active Nutrition

Nourishing healthy, active lives throughout adulthood.

Consumers are recognizing the crucial role nutrition plays in well-being – and as a result, becoming more intentional about their choices. A McKinsey study revealed that more than 70% of global respondents want to be healthier,<sup>3</sup> and more than 50% of Americans surveyed said that choosing healthy foods and beverages was extremely or very important to them.<sup>4</sup>

Consequently, the idea of active nutrition has become firmly established in the mainstream. From performance athletes to leisurely walkers, growing teenagers to vital seniors – and everything in between – consumers are seeking lifestyle-focused solutions that support overall health and well-being.

Consumers say that “good source of protein” is the most-impactful label claim for active nutrition beverages & powders.<sup>5</sup>



## Empowering active and sports-focused lifestyles.



### Sports performance

From elite athletes to fitness enthusiasts, Cargill offers solutions to support performance, recovery, satiety, hydration and beyond.

- Plant-based proteins
- Nutritive carbohydrates
- Biotics
- Vitamin E
- Citric acid



### Active lifestyles

Proactive nutrition keeps active adults going strong by supporting energy, metabolism and cardiovascular health.

- Dietary fiber
- Plant-based proteins
- Nutritive carbohydrates
- Biotics
- Phytosterols
- Omegas 3, 6, 9
- Vitamin E

### Nutritional benefits



#### Mobility

Nourishing lean muscle, strong bones & flexible joints for ease of movement.



#### Heart health

Promoting cardiovascular health by maintaining cholesterol, lipids & glucose at normal levels.



#### Immunity

Supporting immune response through microbiome modulation & increased antioxidants.



#### Brain

Supporting cognitive performance, memory, mood & muscle control.



#### Gut & digestion

Nourishing the microbiome for optimal digestion, nutrient absorption & overall well-being.

### Cargill advantages



#### Reduced sugar & calories

A full portfolio of sugar reduction solutions designed to deliver great taste without added sugars.



#### Plant-based proteins

Great-tasting, plant-based protein enrichment from a range of botanical sources.

# Medical Nutrition

From nourishment to health condition support.

Cargill Medical Nutrition solutions support nourishment and functional benefits of a person undergoing treatment or managing a health condition. These products do not treat a medical condition; rather, they are formulated to meet specific nutritional needs that cannot be met through a normal diet alone.

Our comprehensive range of essential ingredients includes solutions to support muscle mass retention, fuel for energy and muscles, maintaining healthy blood glucose levels and more. Plant-based and label-friendly solutions deliver cleaner, more-sustainable nutrition while ensuring more palatable taste and texture for patients of all ages.

**A growing body of evidence demonstrates the benefits of medical nutrition in improving nutritional status, reducing adverse health outcomes, and reducing the economic burden of malnutrition on society.<sup>6</sup>**



## Addressing condition-specific nutritional needs.



### Mild malnutrition

For patients with diminished appetite, difficulty swallowing and chronic disease, Cargill solutions provide energy and nourishment.

- Nutritive carbohydrates
- Starches
- Plant-based proteins
- Dietary fiber
- Phytosterols
- Omegas 3, 6, 9
- Vitamin E



### Critical care nutrition

Whether enteral or parenteral, Cargill nutrients can be part of tailored solutions designed to reduce condition severity and support recovery.

- Nutritive carbohydrates
- Plant-based proteins
- Dietary fiber
- Phytosterols
- Omegas 3, 6, 9
- Vitamin E



### Disease-specific nutrition

For people living with long-term conditions, we provide ingredients for products designed to support adequate nutrition and improved well-being.

- Slow-release & low glycemic index (GI) carbohydrates
- Dietary fiber
- Phytosterols
- Plant-based proteins
- Omegas 3, 6, 9

*In a meta-analysis of patients in Intensive Care Units (ICU), the prevalence of malnutrition ranged from 38–78%.<sup>7</sup>*

### Nutritional benefits

-  **Focused nutrition**  
Ensuring patients receive optimal nutrition for their specific needs.
-  **Immunity**  
Supporting immune response by increasing antioxidants.
-  **Metabolism**  
Supporting glucose management & healthy cholesterol levels; treating vitamin deficiencies.
-  **Mobility**  
Nourishing lean muscle, strong bones & flexible joints for ease of movement.

### Cargill advantages

-  **Palatability**  
Better-tasting sweeteners & plant proteins help ensure patient compliance.
-  **Plant-based proteins**  
Great-tasting, plant-based protein enrichment from a range of botanical sources.

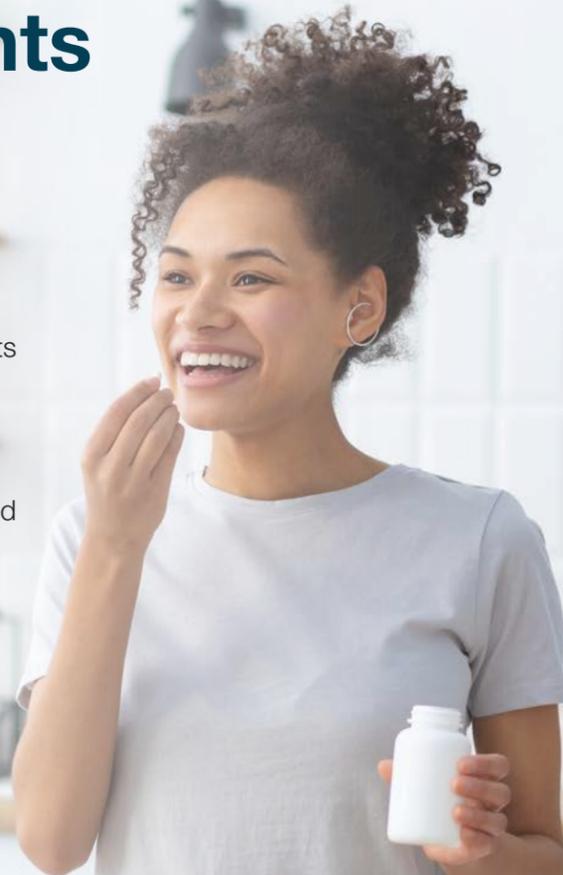
# Dietary Supplements

Nourishing long-lasting, healthy habits.

While a balanced diet remains the cornerstone of daily nutrition, more consumers are turning to dietary supplements to enhance their wellness journey.

Cargill supports innovation in dietary supplements with a portfolio of health-enhancing and functional ingredients, combined with cutting-edge clinical research and unmatched application expertise.

**Today, nearly three in four Americans take dietary supplements — and 92% of supplement users consider them essential to maintaining their health.<sup>8</sup>**



## Nutritional benefits

- 
**Immunity**  
Supporting immune response through microbiome modulation & increased antioxidants.
- 
**Gut & digestion**  
Nourishing the microbiome for optimal digestion, nutrient absorption & overall well-being.
- 
**Brain**  
Supporting cognitive performance, memory, mood & muscle control.
- 
**Heart health**  
Promoting cardiovascular health by maintaining cholesterol, lipids & glucose levels.
- 
**Mobility**  
Nourishing muscles, bones & joints for ease of movement.

## Cargill advantages

- 
**Functional ingredients**  
*EpiCor® postbiotic* is an innovative, science-backed ingredient shown to support immune health.\*
- 
**Reduced sugar**  
*Stevia sweeteners*, with peer-reviewed study showing that daily consumption within ADI showed no significant impact on the microbiome.\*
- 
**Label-friendly options**  
*Pectin* offers a plant-based alternative to gelatin.  
*Tapioca syrup* is a familiar alternative to corn and other glucose syrups.

## INGREDIENT SPOTLIGHT

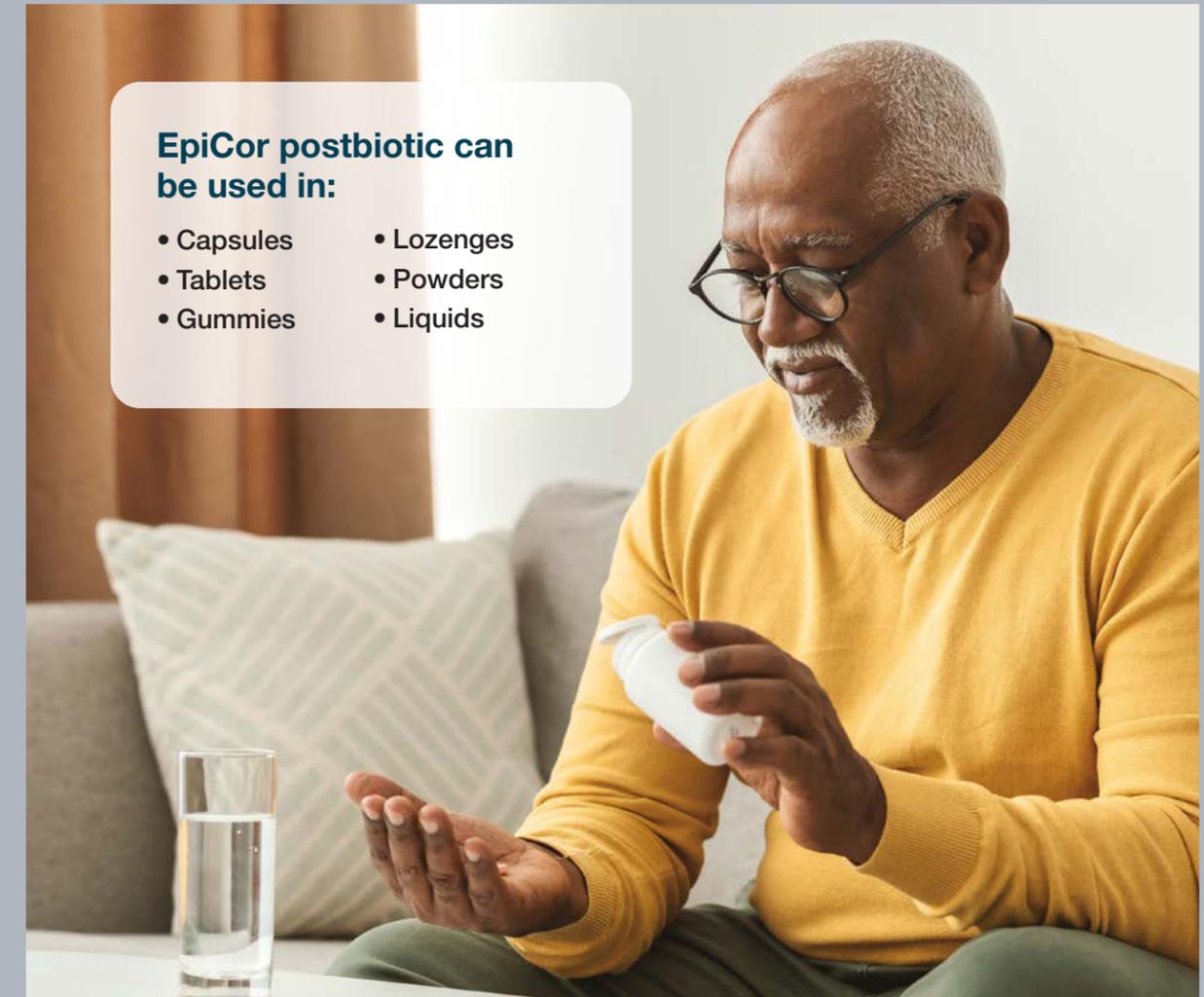
### EpiCor® Postbiotic:

*The next evolution in immune and gut health*

**EpiCor® a science-backed postbiotic clinically shown to support immune health.** Derived from the fermentation of a specially selected yeast, EpiCor contains a beneficial mix of metabolites and health-enhancing bioactive compounds. This complex ingredient has a track record of success as the focus of 15 published studies, while offering increased stability and consistency.

#### EpiCor postbiotic can be used in:

- Capsules
- Tablets
- Gummies
- Lozenges
- Powders
- Liquids



# EPICOR®

**#1 postbiotic ingredient**  
**15 published studies**  
**75 years of fermentation expertise**

# Ingredient Portfolio

The ingredients for your success.

Cargill's Specialized Nutrition portfolio is focused on macro- and micro-nutrients, plus health-promoting ingredients – all backed by our industry-leading sweeteners, texturizers, fibers, proteins, acidulants, hydrocolloids, edible oils and more.

	Carbohydrates	Oils	Proteins
KEY FUNCTION	<ul style="list-style-type: none"> <li>• Source of <b>energy</b></li> <li>• Support proper <b>metabolic functions</b></li> </ul>	<ul style="list-style-type: none"> <li>• Source of <b>energy</b></li> <li>• Source of <b>essential fatty acids &amp; phospholipids</b></li> </ul>	<ul style="list-style-type: none"> <li>• Source of <b>amino acids</b></li> <li>• Essential support for <b>new tissues &amp; cell repair</b></li> </ul>
CARGILL PRODUCTS	<p><b>Starches</b></p> <ul style="list-style-type: none"> <li>• Native, modified &amp; functional</li> </ul> <p><b>Nutritive Sweeteners</b></p> <ul style="list-style-type: none"> <li>• Cane sugar</li> <li>• Corn syrup solids</li> <li>• Soluble rice flour</li> <li>• Dextrose</li> <li>• Glucose syrups</li> <li>• Sucromalt</li> <li>• Tapioca syrup</li> </ul> <p><b>Low/no-calorie sweeteners</b></p> <ul style="list-style-type: none"> <li>• Stevia leaf extract</li> <li>• Stevia sweetener</li> <li>• Erythritol</li> <li>• Mannitol</li> <li>• Isomalt</li> </ul>	<p><b>Oils</b></p> <ul style="list-style-type: none"> <li>• Liquids</li> <li>• Laurics</li> <li>• Fats</li> <li>• Blends</li> </ul> <p><b>Emulsifiers</b></p> <ul style="list-style-type: none"> <li>• Fluid lecithin</li> <li>• Deoiled lecithin</li> </ul>	<p><b>Plant-based proteins</b></p> <ul style="list-style-type: none"> <li>• Soy flour</li> <li>• Textured soy flour</li> <li>• Soy protein flour</li> <li>• Textured pea protein</li> <li>• Pea protein isolate</li> <li>• Hydrolyzed pea protein isolate</li> <li>• Wheat protein</li> <li>• Hydrolyzed wheat protein</li> </ul>

	Fibers	Nutritional Lipids	Biotics & More
KEY FUNCTION	<ul style="list-style-type: none"> <li>• Source of <b>naturally occurring fibers</b></li> <li>• Support <b>healthy digestion &amp; bowel regularity</b></li> </ul>	<ul style="list-style-type: none"> <li>• Support <b>heart health</b></li> <li>• Source of <b>energy</b></li> </ul>	<ul style="list-style-type: none"> <li>• Support healthy <b>immune &amp; digestive function</b></li> <li>• <b>Dietary essentials</b></li> <li>• Enhance <b>taste &amp; texture</b></li> </ul>
CARGILL PRODUCTS	<p><b>Soluble fiber</b></p> <ul style="list-style-type: none"> <li>• Soluble corn fiber</li> <li>• Citrus fiber</li> </ul> <p><b>Insoluble fiber</b></p> <ul style="list-style-type: none"> <li>• Resistant tapioca starch</li> <li>• Corn bran</li> </ul> <p><b>Texturizers</b></p> <ul style="list-style-type: none"> <li>• Pectin</li> <li>• Maltodextrin</li> <li>• Carrageenan</li> <li>• Xanthan gum</li> <li>• Guar gum</li> <li>• Seaweed extract</li> </ul>	<p><b>Nutritional lipids</b></p> <ul style="list-style-type: none"> <li>• Omegas 3, 6, 9</li> <li>• Phosphatidylcholine-enriched lecithin</li> <li>• Vitamin E tocopherol acetate</li> <li>• Phytosterols</li> </ul>	<p><b>Postbiotics</b></p> <ul style="list-style-type: none"> <li>• EpiCor® dried yeast fermentate</li> </ul> <p><b>Acidulants</b></p> <ul style="list-style-type: none"> <li>• Citric acid</li> <li>• Liquid citric acid</li> <li>• Sodium citrate</li> <li>• Potassium citrate</li> </ul> <p><b>Salts</b></p> <ul style="list-style-type: none"> <li>• Sea salt</li> <li>• Potassium salt</li> <li>• Himalayan salt</li> </ul> <p><b>Cocoa &amp; chocolate</b></p> <ul style="list-style-type: none"> <li>• Cocoa powder</li> <li>• Plant-based chocolates</li> <li>• Plant-based compounds</li> </ul>

# Partnering with Cargill

A collaborative partnership, end-to-end solutions.

When you partner with Cargill, you'll gain a trusted partner in co-creating nutritional solutions designed to positively impact consumer health and well-being across all stages of life.



## Trusted expertise, backed by science

Our multidisciplinary, dedicated team works with you to turn ideas into reality, backed by deep category knowledge and scientific expertise.



## Comprehensive solutions, from essential to functional

With deep category knowledge and application expertise, our team can skillfully formulate health-promoting ingredients, together with sweeteners, texturizers, fibers, proteins, acidulants, cocoa & chocolate, hydrocolloids, edible oils, salt and more.



## Insights-led innovation

Leveraging proprietary insights, industry trends and sensory panels – while continually monitoring the changing regulatory landscape – we help you create new, health-promoting nutritional solutions that address unique consumer needs.



## Reliable supply at scale

Cargill's global supply chain guarantees unparalleled scale and quality, while minimizing supply disruptions.

# Nourishing the world, together.

Learn more at [cargill.com](https://www.cargill.com) or contact a dedicated representative by completing this short [form](#).



SOURCES:

<sup>1</sup> thousanddays.org. "Good Nutrition During the First 1,000 Days Provides the Building Blocks for Healthy Brain Development."

<sup>2</sup> Ibid.

<sup>3</sup> McKinsey & Co. "Hungry and Confused: The Winding Road to Conscious Eating." October 2022.

<sup>4</sup> International Food Information Council (IFIC). "Understanding 'Healthy' and the Impact of Labeling on Food Decisions." April 2023.

<sup>5</sup> Cargill ClaimTracker.™ "Health & Nutrition Beverages." 2024.

<sup>6</sup> Medical Nutrition International Industry. "Better Care Through Medical Nutrition. Value and Effects of Medical Nutrition." 2018.

<sup>7</sup> Hill, Aileen et al. "Nutrition in the Intensive Care Unit—A Narrative Review." *Nutrients* vol. 13,8 2851. 19 Aug. 2021, doi:10.3390/nu13082851.

<sup>8</sup> Council for Responsible Nutrition. "2023 CRN Consumer Survey on Dietary Supplements," October 5, 2023.

<sup>9</sup> Institute of Medicine. Food and Nutrition Board. "Dietary Reference Intakes: Vitamin C, Vitamin E, Selenium and Carotenoids." National Academy Press, 2000.

**Claims:** *The labeling, substantiation and decision making of all claims for your products is your responsibility. We recommend you consult regulatory and legal advisors familiar with all applicable laws, rules and regulations prior to making labeling and claims decisions.*

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