

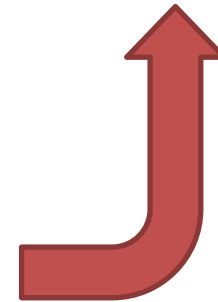
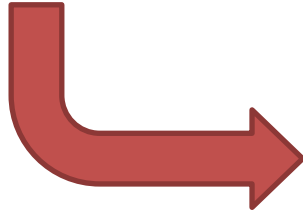
From Producer to the World™

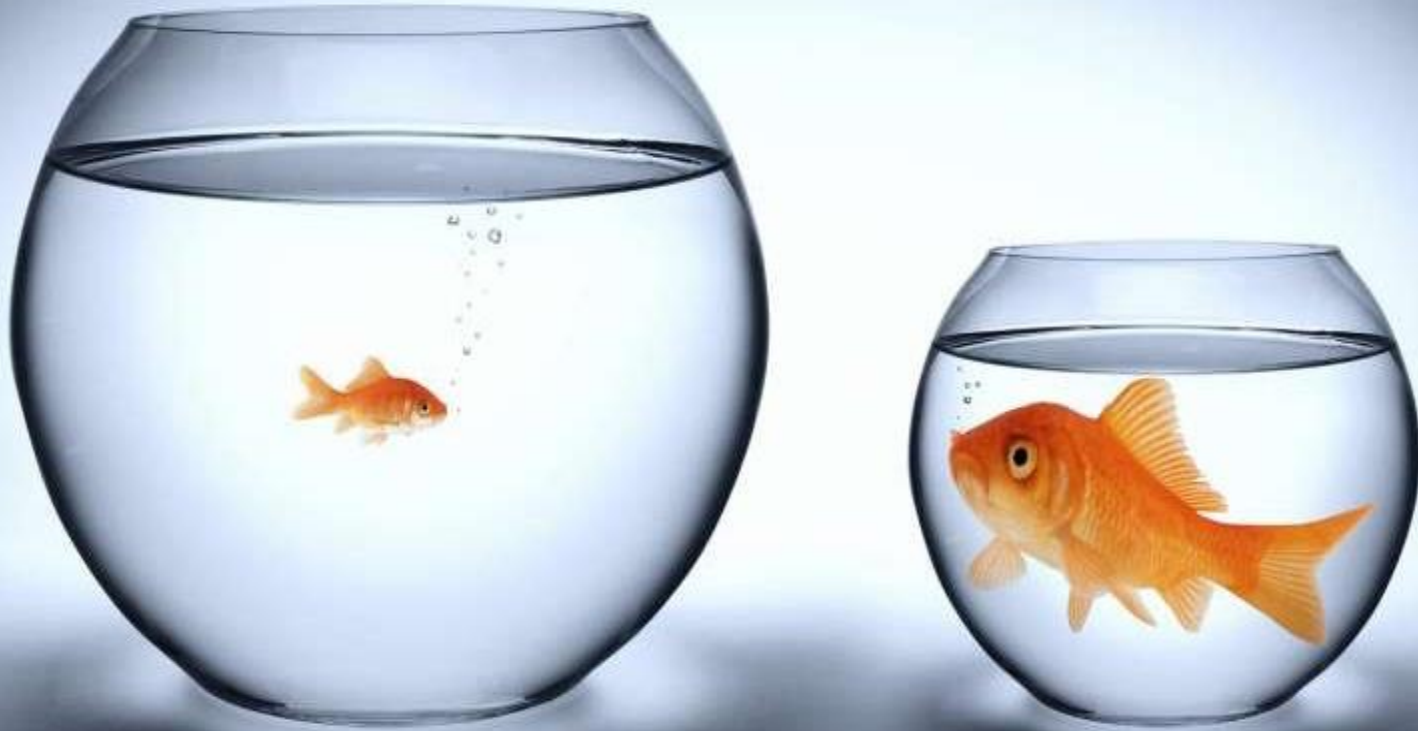


Murad Al-Katib: AGT Food and Ingredients Inc.

The Changing of Agriculture – Meeting the Demands of the Socially Conscious Consumer of the Future









Reminder:
Keep growing
more lentils



Saskatchewan
Canada
= Saskcan



HISTORY WILL BE
KIND TO ME
FOR I INTEND TO
WRITE IT

Winston Churchill

RINGLING BROS. AND BARNUM & BAILEY

COMBINED SHOWS



START A BUSINESS
LONG HOURS
LOTS OF RISK
BUT . . .
POTENTIAL FOR BIG PAYOFF

THE GREATEST SHOWS FROM EVERY COUNTRY IN THE WORLD ASSEMBLED FOR THIS YEAR

AGT Foods Company Highlights

AGT Company Overview

- AGT Food and Ingredients Inc. (“AGT Foods”) is a global leader in pulse, grains, staple food and food ingredient processing and distribution, with merchandising offices and value-added processing facilities in Canada, the U.S. Turkey, Australia, China and South Africa; India and European sales offices, Russian origination office and a global customer base
- Exports to 120 countries
- Approximately 2,400 employees globally
- 2019 - Majority investment in AGT by Fairfax Financial Holdings and OMERS.
- Founders/Management retains a large ownership share.



Global Company




Fairfax Company & Brands




Global Facilities & Offices

- Canada head office and over 45 facilities in 6 key agricultural production origins on 5 continents with sales, merchandising, origination and administration offices located around the globe
- Provides significant cost savings, superior market intelligence and stability of supply through diversified origination




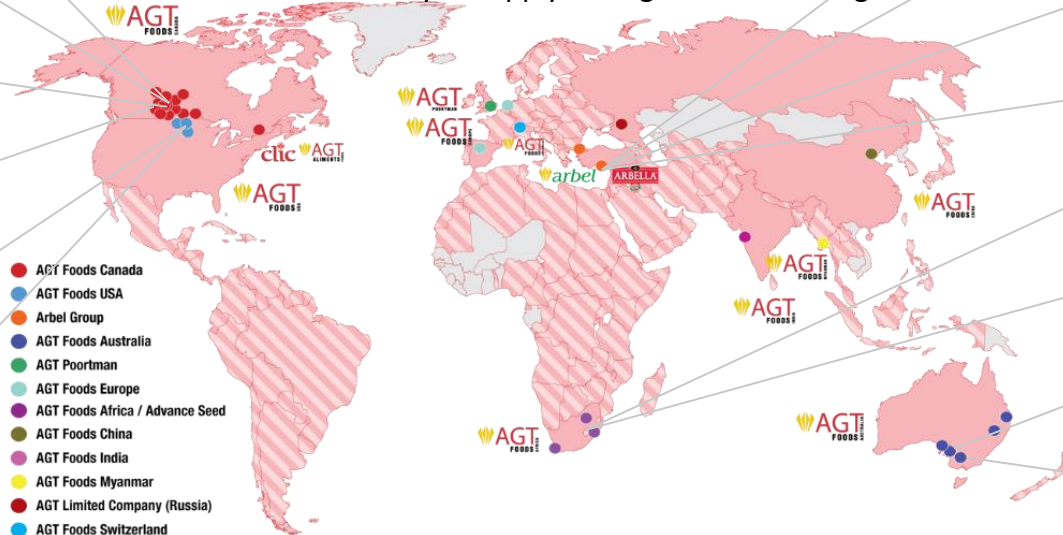
 AGT Foods Canada Regina Main
Regina, SK, Canada



 Big Sky Rail / Last Mountain
Railway, Saskatchewan, Canada



 AGT Foods USA Minot
Minot, ND, USA




 Arbel Group
Mersin, Turkey




 Arbella Pasta
Mersin, Turkey

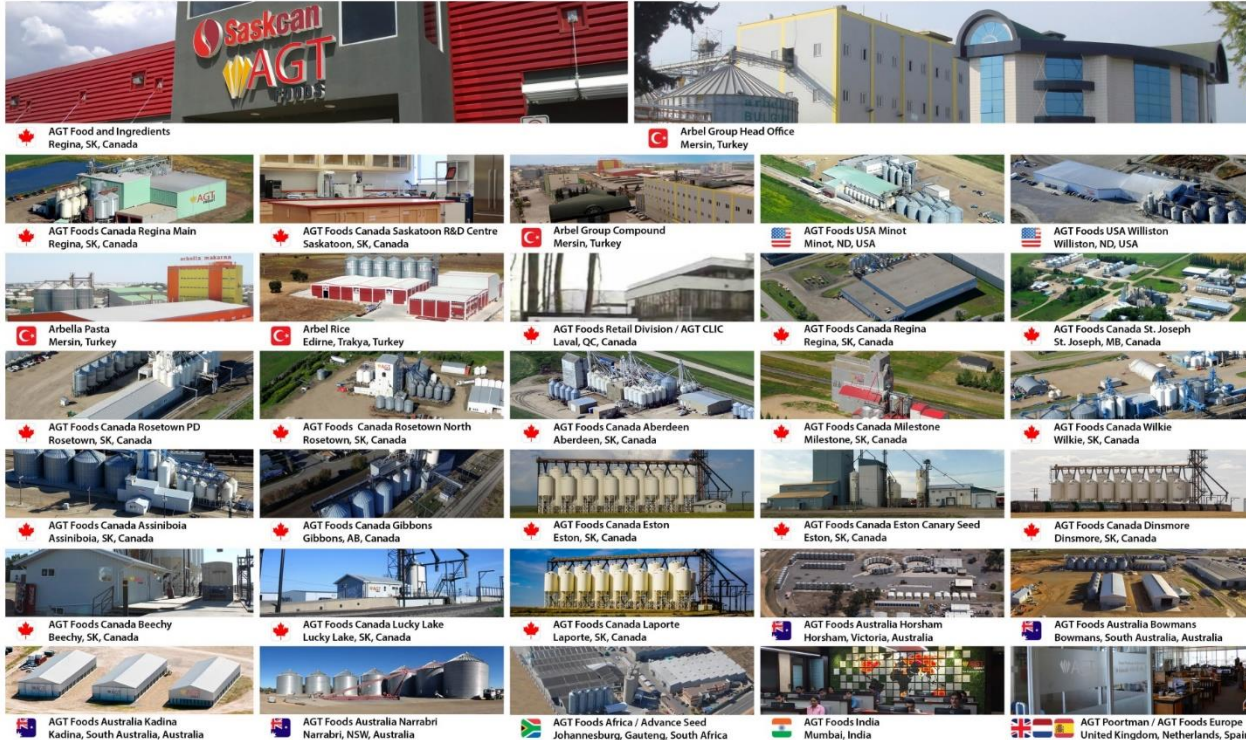


 AGT Foods South Africa /
Advance Seed, Johannesburg,
Gauteng, South Africa



 AGT Foods Australia,
Horsham, Victoria, Australia

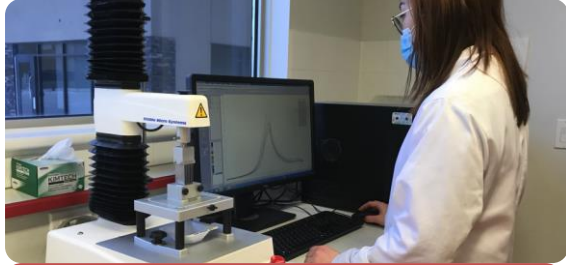
Global Facilities & Offices



Global Commodity and Retail Food Business



AGT Foods: *From Producer to the World . . .*



We are the **leaders in innovation** in the **pulses sector**



We create **R&D-led, customized solutions** for your food products



We offer **finished food products** ready for the marketplace



We are **scalable** and **vertically integrated** to match demand



We hold internationally-recognized certifications, including **FSSC 2000**



We deliver **high quality, good taste** and **clean ingredients**

Food Production Targets

We need to produce
in the next **40 years**
the equivalent of
all of the food
produced in the
last 10,000 years



Agri-Foods Market Dynamics

Traditional Markets for Agri-Food

Growth Driver: Population & Global Demand for Food

Markets: S. and E. Asia Pacific, MENA, Central/South America, Africa

- 2050 - Global population expected to rise 30% to over 9 Billion
- Global food output will have to grow by 70% to feed the world with growing middle class
- Pulses, grains are a sustainable source of vegetable protein, a key nutrient for large numbers of the world's populations

New Markets for Pulses driven by:

Growth Driver: Health, Nutrition and Sustainability

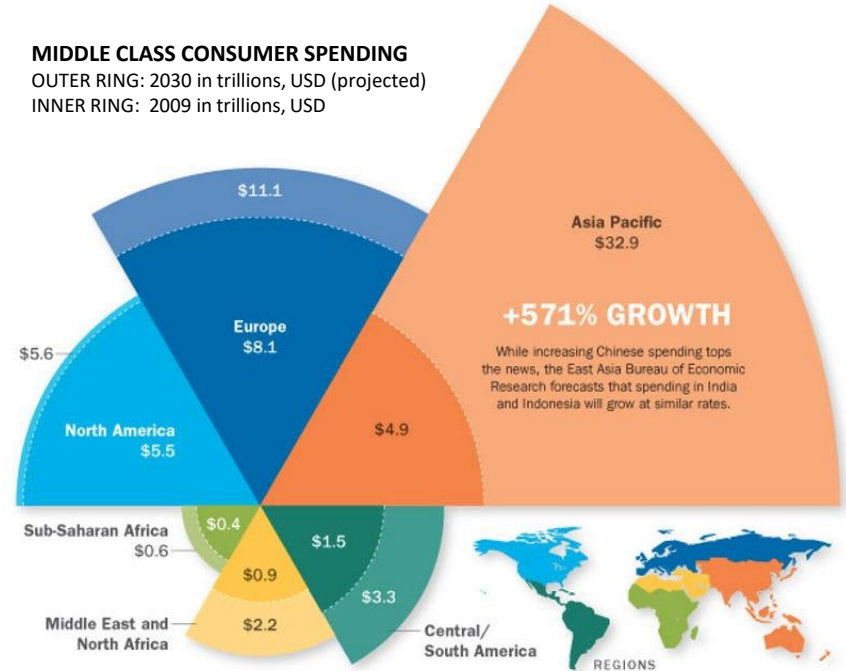
Markets: Europe, North America, China

- Health, nutrition, changes in diet choices
- High Protein and Fibre, Nutrient Dense, Low Fat, Gluten Free, non-GMO, Low Allergenicity
- Lower Energy Use, Reduce Greenhouse Gas Emissions, Improve Soil Health through Rotational Cropping, Increase Water Use Efficiency

MIDDLE CLASS CONSUMER SPENDING

OUTER RING: 2030 in trillions, USD (projected)

INNER RING: 2009 in trillions, USD



Rapid Expansion of the Global Middle Class

At a global level, we are witnessing the most rapid expansion of the middle class the world has ever seen



At the end of 2016, there were about 3.2 billion people in the global middle class. On average 160 million will join the middle class annually for the next 5 years.

160 million

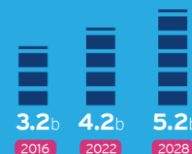
Each year for the next 5 years will be added to the global middle class.

In only three years, the fast-expanding global middle class will reach a historic milestone

Around 2020, the middle class will become a majority of the global population for the first time ever.

We are on pace to add another billion in seven years and another billion by 2028.

UPPER CLASS
MIDDLE CLASS
LOWER CLASS



Global Middle Class

88 percent of the next billion entrants into the middle class will be in Asia

By 2030, Asia could represent 2/3 of the global middle class population.



BROOKINGS



BROOKINGS

The middle class will spend \$29 trillion more per year by 2030

Globally, the middle class is already spending \$35 trillion, and could spend \$29 trillion more by 2030, accounting for roughly 1/3 of the global economy. The market for middle class consumption could grow faster than global GDP growth.



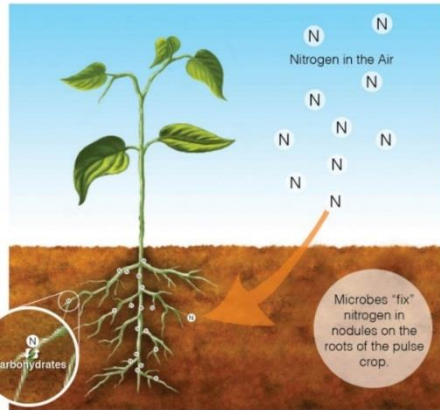
1/3 of the GLOBAL ECONOMY

*per year in real terms

Sustainable Agriculture in Canada

Plant Fixing Nitrogen

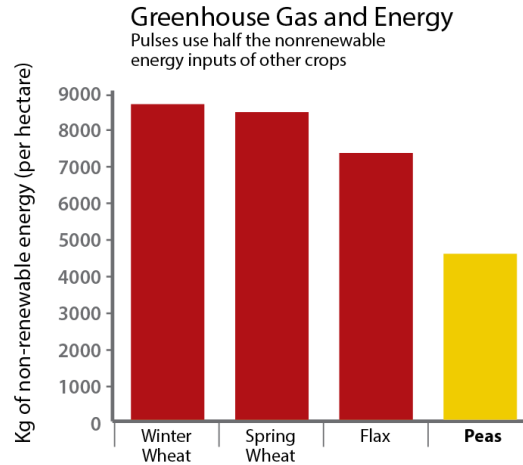
- 3 crop rotation – cereal, oilseed and pulses
- Pulses produce their own fertilizer by utilizing nitrogen fixing soil bacteria that live inside their root systems.
- Pulses improve fertility of soil for other cereals and oilseeds grown in rotation.



Pulse crop with root nodules

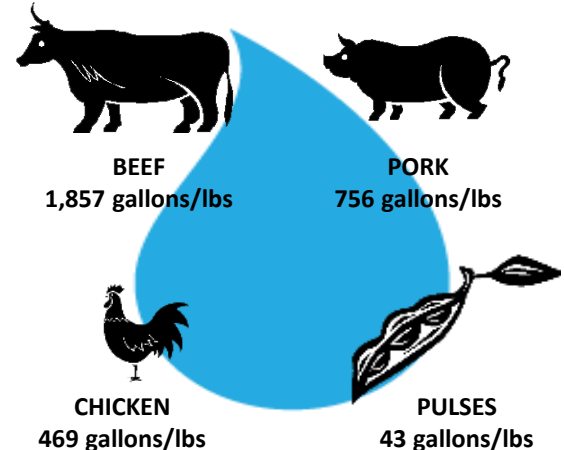
Lower Energy Requirement

- Pulses use less non-renewable energy relative to other crops.
- 70% of the non-renewable energy used in cropping systems in western Canada is attributable to fertilizers.



Increased Water Use Efficiency

- **43 gallons** of water required to produce one pound of pulses.
- **1,857 gallons** of water required to produce one pound of beef.



Canada – The Global Agri-Food Partner

- **Abundant natural resources**
(e.g. freshwater, long coastlines suited to aquaculture, least densely occupied arable land in the world)
- **Strong network** of R&D facilities universities
- **Sophisticated, ethnically diverse consumer base** that stimulates product development
- **Early adopters** of technology
- **Reliable access to capital and inputs** (e.g., fertilizers, feed, seeds)
- **Lowest use** of pesticides per-hectare
- **Political stability and goodwill** that encourage foreign investment
- **Strong primary and secondary processing sector**



Canada – First Stop on Protein Highway

- In emerging economies, demand for protein is growing rapidly due to urbanization and rising incomes.
- Canadian ingredients and food have a reputation of safety, quality and trustworthiness.
- Canada's food brand is enhanced by the country's natural advantage, - producing food that is among the best in the world
- Pulses, Cereals, Meat & Poultry, Dairy, Eggs
- Canada's ag-food sector could become the trusted global leader in safe, nutritious and sustainable food for the 21st century.



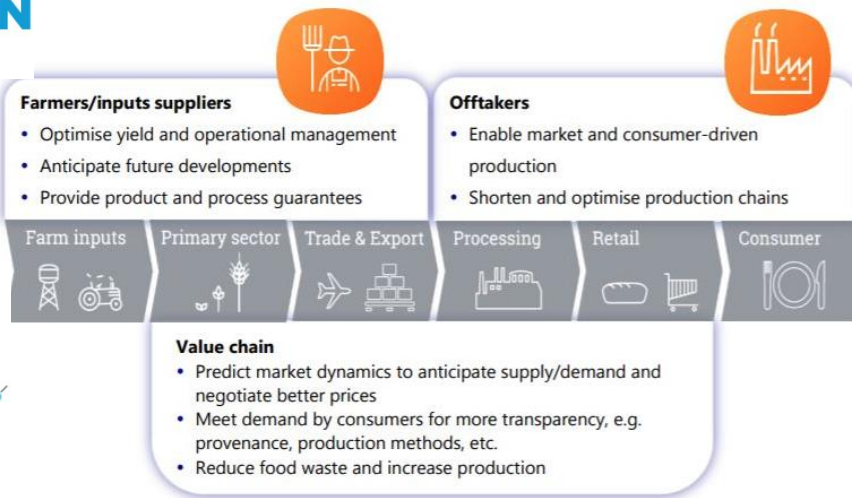
Plant-Based Foods, Fuels and Biomass

Canada Leads the World in Ag Production



Technology and Innovation

How will technology affect the face of ag exports over the next 20 years as Canada positions itself to be the key global supplier to the growing middle class in the world?



Why ESG Matters to AGT

- AGT believes ESG will have a defining impact over the long-term for all businesses and institutions.
- As one of the world's global leaders in plant-based foods, we believe we are part of the solution to creating a healthier, more sustainable world, for example:
 - AGT is a world leader in closing the protein deficit in global diets in sustainable ways.
 - AGT's customers look to us to provide high quality, healthy, plant-based ingredients and sustainable, planet friendly packaged foods
 - AGT believe plants and biomass can provide the base material for sustainable, food, fuel and feed and has active projects and programs underway to actualize this.
- Financial results are only part of the story. Outcomes that make a material difference to a healthier population and a sustainable planet are equally important in how we measure success.
- Access to larger investor, partner and lending base in North America, EU and Globally



Plant-based Foods and Food Trends

Consumer



Bakery



Meat
Alternative



Dairy
Alternative



Pasta



Extruded Snack



Soup and
Sauces

Food Company

Consumer Trends

- Protein has a positive image with consumers
- Vegetarian diets growing with vegetable proteins replacing proteins derived from other sources.
- Rise in allergy to certain foods and ingredients
- Consumers demanding more proteins for a variety of reasons: diet, sports
- Nutrition, muscle, satiety, weight loss, etc.

Food Company Trends

- Non-GMO, Gluten-Free, Vegetarian and Sustainably sourced ingredients continue to gain traction.
- High proteins claims are now common on food products.
- Ingredients derived from plant-based/vegetables grew by 103% from 2010-2014
- Protein derived from plant-based/vegetables grew by 61% from 2010-2014.

“Plant-Based” Versus “Vegan”

- **Plant-based** is a term associated with **positive** dietary choices – can fit into a wide variety of diets
- **Vegan** refers to a specific lifestyle that is often associated with dietary restrictions that require commitment on behalf of consumers
- The global plant-based food market value is estimated to grow from USD \$12 billion in 2019 to USD \$28 billion by 2025, with a compound annual growth rate of 15% (Markets and Markets)



“Although health and environmental consciousness drive consumers toward increased plant-based food consumption, **good taste and texture** are the biggest influence in purchasing decisions.” – Euromonitor, 2018

Expectations of Socially Conscious Consumers

The “conscious shoppers” of 2022 want to choose products and support brands that are good for them, good for their neighbors, and good for the planet. Which means it’s time for manufacturers and retailers to update their definitions of product transparency.

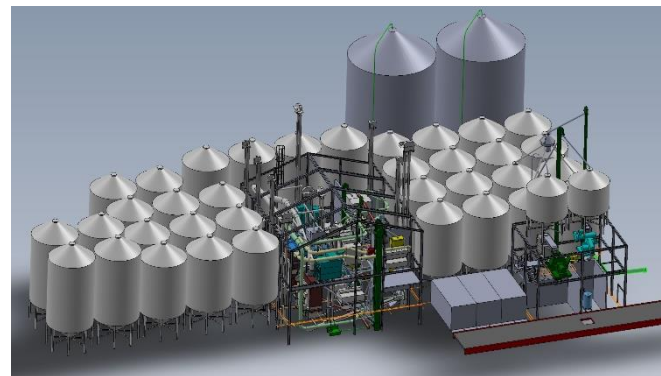
Health, wellness, and sustainability are synonymous	Confluence of wellness trends	Clear the path for conscious shoppers
Sustainability is a growing concern for the majority of U.S. shoppers.	“Mindful consumption” is a consumer mindset defined by specific, complementary product attributes.	79% of all CPG buyers now make purchases both online and in-store. Browsing online gives shoppers the ability to research a product’s ingredients, materials, and reviews, and compare items across different brands and retailers.
60% of U.S. consumers said they have been making more environmentally friendly, sustainable, or ethical purchases since the start of the pandemic.	Customers might look for snacks with plant-based ingredients, supplements that cater to well-being, and beauty products that are plastic-free, all in the same shopping trip.	Brands and retailers can take advantage of the inherent benefits of online shopping and omnichannel shopping experiences by explicitly stating health and sustainability-related claims on packaging, websites, and social media.
66% agreed that environmental issues are having an adverse impact on their current and future health.	Manufacturers usually consider these characteristics to be distinct from one another and related to different products, but consumers don’t see it that way.	Consumers also want an elevated buying experience when they choose to shop in-store, and they want it to be simple to find products that align with their personal values from brands that they trust.
Scope of “health and wellness” continues to grow, consumers will have higher expectations for manufacturers and retailers when it comes to product transparency	Food brands in particular are taking note of these overlapping characteristics introducing high-protein, low-calorie, and low-sugar products that primarily uses sustainably, ethically sourced organic ingredients.	Young Gen Z and Millennial consumers are the main drivers of the sustainability movement and they’re doing it primarily online.

AGT Investment in Oat Processing

AGT converting Aberdeen facility to process oats – in the middle of key oat growing region in SK

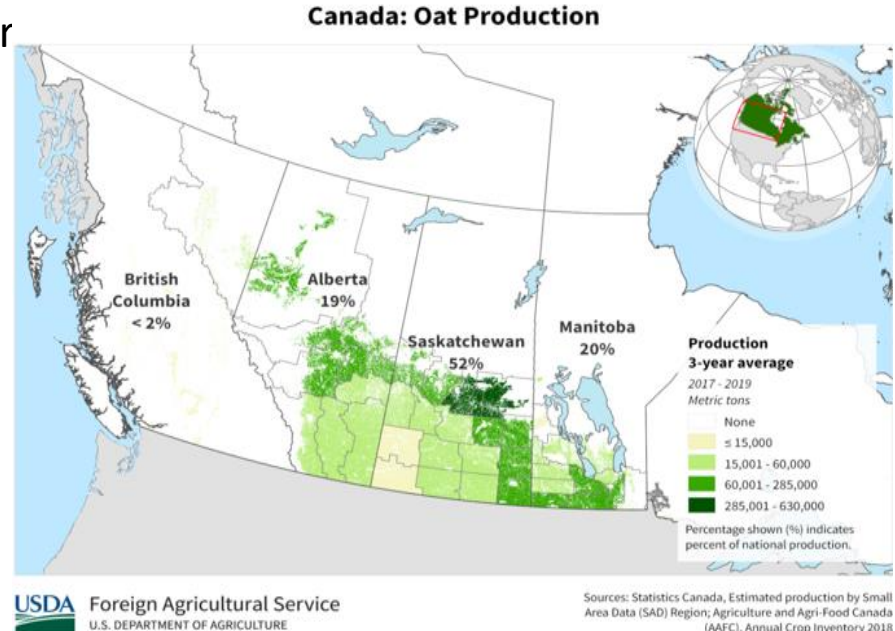
Oat Groats Processing:

- **Groats: Gluten free & sustainable story like pulses.**
 - Oat Groats (for rolled, flakes, flour, feed, horses)
 - Rolled / Flakes for oatmeal, granola bars & quick cooking applications
 - Flour for baking, oat milk etc.
- **Oat Hulls:** Animal feed, baking applications & cellulose base in AGT's Micronutrient Biomass fertilizer project shows that pulses and oat fibre are natural biomass to deliver micronutrients to crops, fruits and veggie production.
- **Other Uses:** Oat groats to AGT's Minot for fine milling & blends (Complete protein)
- Plant Based beverages the second largest dairy alternative following almond milk. Plant-based milk accounts for 15% of all dollar sales for retail milk, according to market research from the Good Food Institute. Big opportunity in extrusion.



Canadian Oat Production – Prairies Key Region

- Canada is the second largest oat producer in the world at approx. 3mmt per year
- Global production approx. 25mmt
- 2021 Production:
 - 1.56m mt in SK
 - 600,000 mt in MB
 - 570,000 mt in AB
 - 270,000 mt East Coast/BC
- Historical production breakdown in Prairie Provinces:
 - 50% in SK
 - 20% each AB and MB



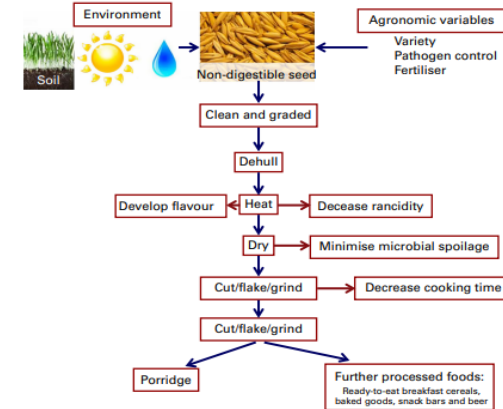
Oat Production and Process Flow

Oat Groats



- Just oat with hull removed.
- High in protein and soluble fibre, iron, zinc, B vitamins.
 - Very digestible for pets and people,
 - very palatable and good source of energy
 - Healthiest way to eat oats
- Healthy carbs, high in beta glucan – good for immune systems, best used in porridges and stews. Cereal germ, bran, endosperm
- Naturally gluten free (volunteer wheat is problem, barley is worse as harder to clean out)

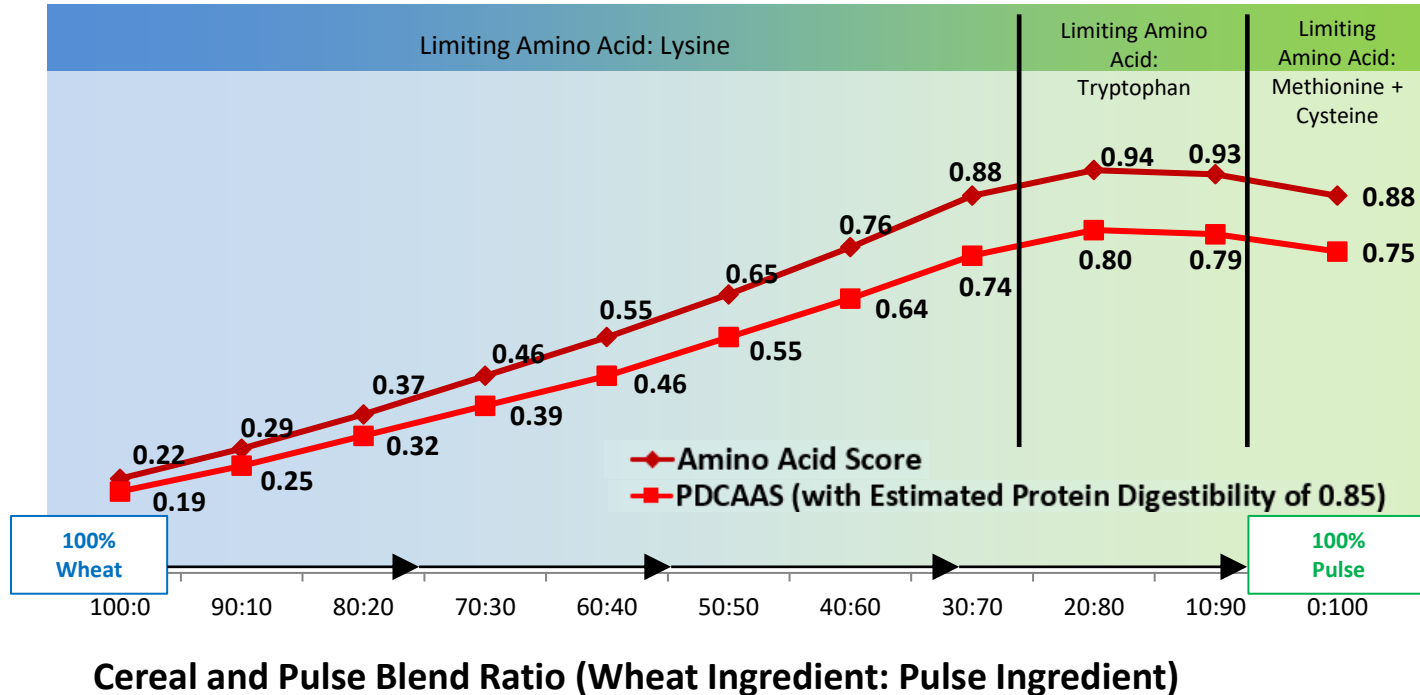
Processing of Oats



- First stage processing oats to groats by impact dehulling.
- Oats contain a higher fat content, kilning (heat & steam) then drying is required to stabilize the enzymes for shelf life within 72 hours of the hull being removed.
- With the hull removed the bulk density goes up 75% for freight savings.

Cereals & Pulses (Power of Blending)

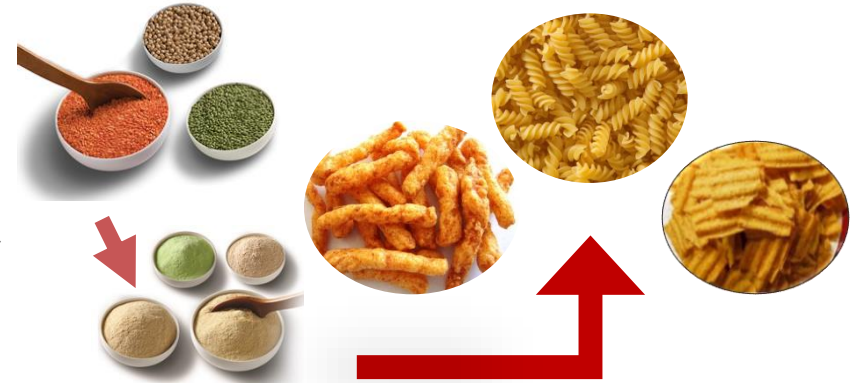
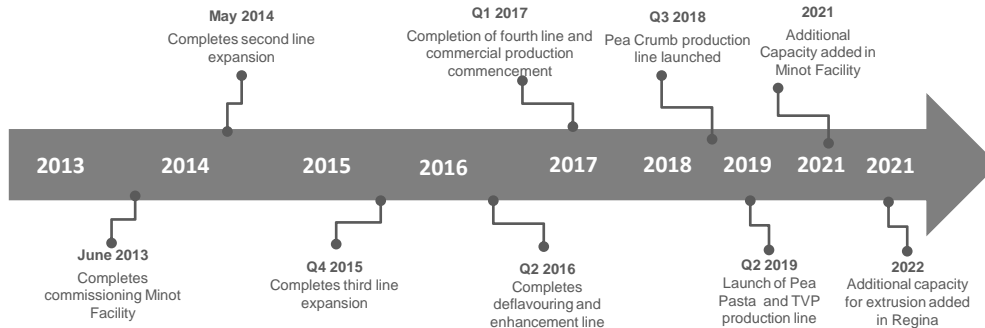
PDCAAS of Wheat and Pulse Proteins Blends (with Estimated Protein Digestibility of 0.85)



Example of AGT Investment: Pulse Ingredients

Minot ND Production Facility

- First commissioned: June 2013 with four lines currently operational and enhancement processes
- Expansions completed to bring value-added production and modification processes including deflavouring, pre-cooking lines, and sterilization lines
 - *Veggicrumb* line launched fall of 2018
 - *Veggipasta* line and TVP line commissioned fall of 2019
 - Additional Production added in Regina 2022



Where Plant-based Ingredients Are Being Used?

Snack Foods	Meat Analogues	Batters and Breadings	Pasta
			
	Dairy Replacements	Pet Food	
			

Innovative CPG and Food Ingredient Offerings



Retail Packaged Foods

Pulse Proteins/Flours/Starches

Products from Pulse Ingredients



Texturized Pulse Protein as Meat Alternative

Plant-Based Chili



Chick'n Nuggets



"Pork" Strip Stir-Fry



Plant-Based Burger

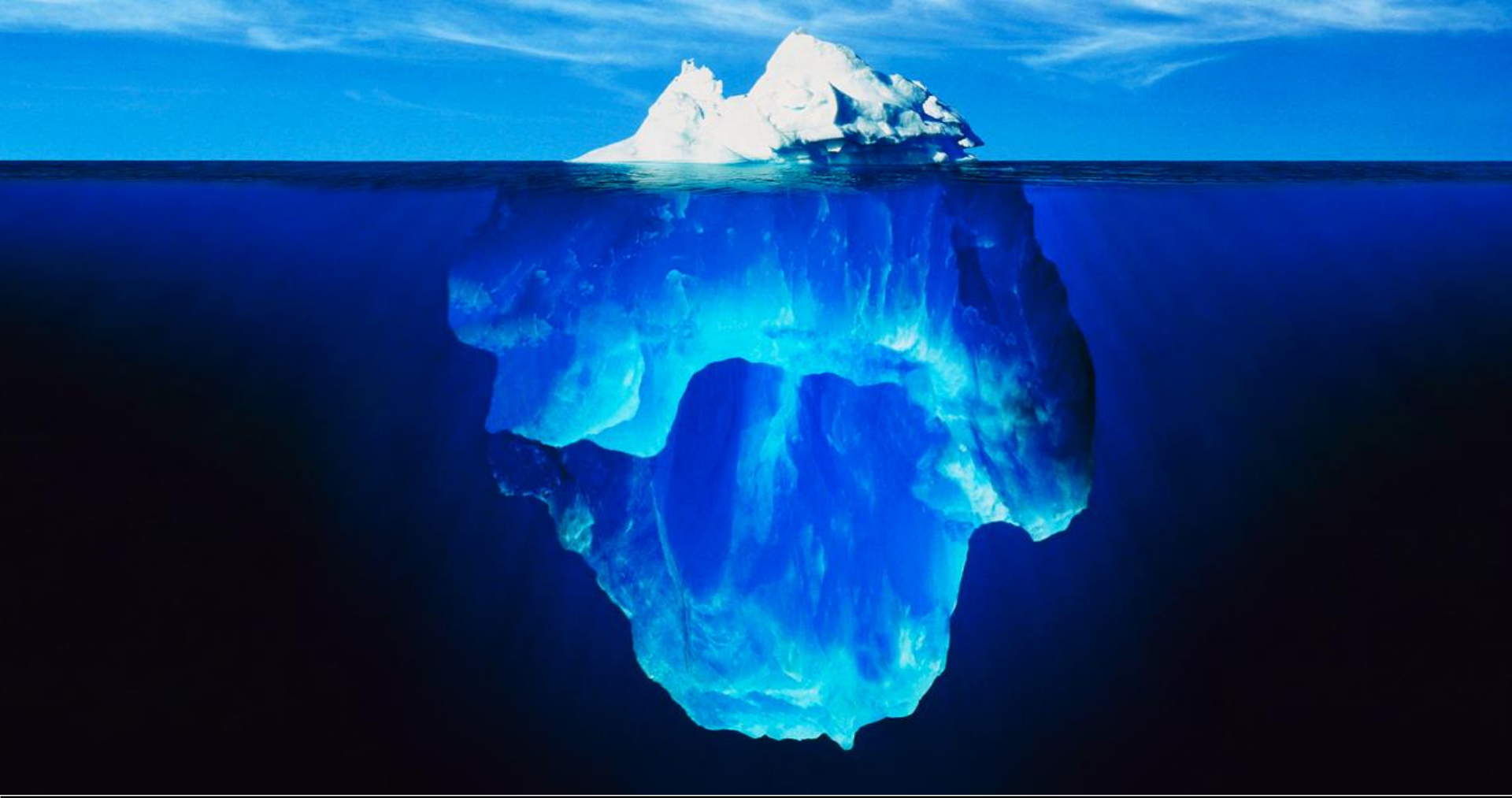


Introducing*Veggipasta* and *Veggiecrumb*

Veggies everyone can enjoy!

Introducing pasta and breadcrumbs made from only one ingredient:
peas.





AGT Foods – A Key Supply Partner

- **AGT Foods** has strength in worldwide grain sourcing, ingredient processing, distribution and logistics and a diversified business including:
 - Grain Origination, Merchandising and Trading
 - Bulk Grain Handling and Logistics
 - Pulse and Food Ingredient Production and Distribution
 - Retail Packaged Foods
- Global plant-based foods innovation race with the goal to feed a growing population
- Fundamental demand growth through population and income growth
- Innovation/scaling food processing critical
- North America is the first stop on the Protein Innovation Highway
- Value creation in companies who play in multiple links in the global value chain :

