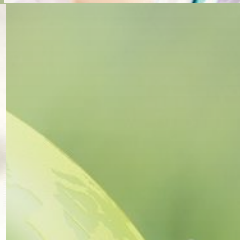




**GLG**

LEADING LIFE TECHNOLOGIES.  
BETTER STEVIA, MONK FRUIT AND MORE.



# GLG Life Tech Corporation:

The #1 Sustainable Choice for Natural Zero Calorie  
Sweeteners and Natural Functional Ingredients

Canadian Canola Oil

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May 2018

GLG:TSX



# Presentation Outline

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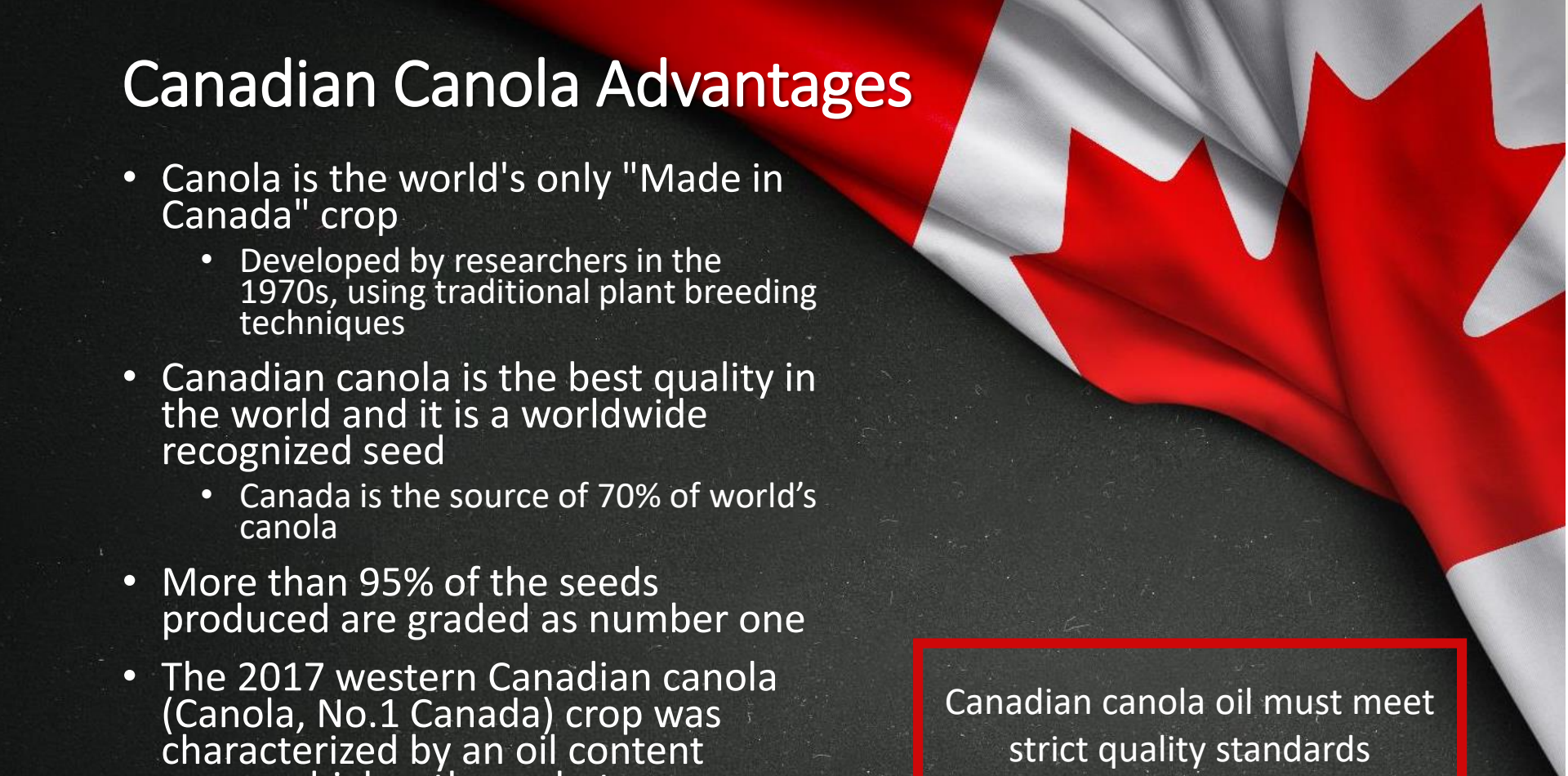
- What is Canola?
- The Advantage of Canadian Canola
- Major Growing Areas of Canola
- Canola Seed Content
- Canola Fatty Acid Composition
- Canola Exports
- GLG: A Trusted Partner

# What is Canola?

- The plant belongs to the Brassica genus, the botanical family that includes cauliflower and cabbages
- The name canola is a contraction of Canada and ola, meaning oil
- To earn the name canola, products **must** meet an internationally regulated standard:
  - "Seeds of the genus Brassica (Brassica napus, Brassica rapa or Brassica juncea) from which the oil shall contain less than 2% erucic acid in its fatty acid profile and the solid component shall contain less than 30 micromoles of any one or any mixture of 3-butenyl glucosinolate, 4-pentenyl glucosinolate, 2-hydroxy-3-butenyl glucosinolate, and 2-hydroxy-4-pentenyl glucosinolate per gram of air-dry, oil-free solid"
- The seeds are 44% oil - more than double the oil content of soybeans
- The world's healthiest vegetable oil is extracted from the seeds of the canola plant:
  - High levels of monounsaturated fatty acids, which have been shown to reduce blood cholesterol levels
  - Polyunsaturated fats are essential omega-3s - which may help prevent heart attacks and strokes - and omega-6s - which are important for the brain and essential for the growth and development of infants
  - Rich source of vitamin E
  - Cholesterol-free

Rapeseed is **NOT** Canola

# Canadian Canola Advantages



- Canola is the world's only "Made in Canada" crop
  - Developed by researchers in the 1970s, using traditional plant breeding techniques
- Canadian canola is the best quality in the world and it is a worldwide recognized seed
  - Canada is the source of 70% of world's canola
- More than 95% of the seeds produced are graded as number one
- The 2017 western Canadian canola (Canola, No.1 Canada) crop was characterized by an oil content average higher than what was observed at 45.0%
- Unlike rapeseeds found in EU/India region, Canadian canola seed contains:
  - Less than 10  $\mu$ moles/gram of Glucosinolates
  - Less than 0.01% (% in oil) of Erucic acid

Canadian canola oil must meet strict quality standards determined by government health agencies before being used as or in a food product

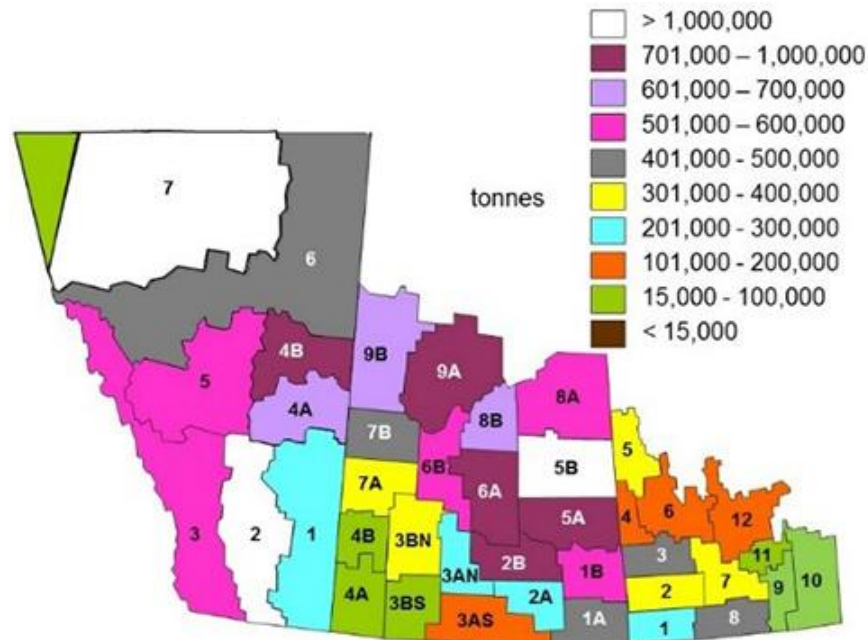
# Canadian Canola Production

- Since 2012, Western Canadian farmers have planted over 8.0 million hectares of canola
- In 2017, farmers seeded 9,273.3 thousand hectares, about 13% more than what was seeded in 2016 and about 10% more than the 5-year average
- Statistics Canada reported that the 2017 western Canada average yield was 2,300 kg/hectare
- Therefore, Canada produced over 21 million MT of canola in 2017



# Major Growing Areas of Canola Oil

- The traditional growing areas for canola in western Canada include the following provinces:
  - Alberta: 6,826.6 (2017)
  - Manitoba: 3,147.9 MT (2017)
  - Saskatchewan: 11,181.1 (2017)
- The map below shows different growing regions with their respective production volumes:



# Seeds Content: 2017 Harvest Sample

- This report of quality data for the 2017 harvest is based on analyses of 2,309 individual canola samples:

Quality Parameters	2017 Harvest Sample
Oil content	45
Protein content	20.1
Oil-free protein content, % (at 12% moisture, %)	38
Chlorophyll, milligrams per kilogram seed	11
Total glucosinolatesFootnote1 of the seed, $\mu$ moles/gram seed	10
Free fatty acids, %	0.15
Erucic acid, % in oil	0.01
Oleic acid, % in oil	62.9
$\alpha$ -linolenic acid, % in oil	9.5
Total saturated fatty acids, % in oil	6.5
Iodine value	113.1
Mono-unsaturated fatty acids	64.6
Poly-unsaturated fatty acids	28.5
Distinctly green seed, %	0.41

# Relative Fatty Acid Composition: 2017 Harvest Sample

- This report of quality data for the 2017 harvest is based on analyses of 2,309 individual canola samples:

Product	C18:0, %	C18:1, %	C18:2, %	C18:3, %	C22:1, %	Total Saturates, %	Iodine Value, units
Canada No. 1	1.7	62.9	18.9	9.5	0.01	6.5	113.1





# Canola Exports

- Canada exports 90% of its canola as seed, oil or meal to 50 markets around the world
- Importers of Canadian Canola in vicinity of Iran:

Country	Seed Imports, MT	Oil Imports, MT
Pakistan	1,346,371	64
UAE	629,933	754



# GLG: A Trusted Partner

- Compelling pricing not available through other distributors
- Premium and reliable quality
- GLG works with Canada's oldest and largest fully-integrated crushing, refining, processing and packaging partners
- GLG provides world-Class customer service standard upheld by our GLG Life Tech team at our Canadian sales headquarter

# Our Trust Providers

## PRODUCT & FACILITY CERTIFICATIONS



\* Look for the seal on our  
Non-GMO Verified Products



KOSHER



Quality control and food safety is **one of GLG`s top priorities**

All facilities meet and/or exceed global GMP standards

Major multinational agricultural, food and beverage companies **conduct regular audits**

All Facilities are **third party certified on an annual basis** for:

- GMP
- ISO
- FSSC 22000
- Halal
- Kosher
- Non-GMO Project Verification



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**Mohammad Emami**  
**Director of Business Development**  
**Office: +1. 604.285.2602 Ext. 104**  
**Mohammad.Emami@glglifetech.com**

**GLG Life Tech Corporation**  
**Suite 100 - 10271 Shellbridge Way**  
**Richmond, B.C., V6X 2W8**

**[www.glglifetech.com](http://www.glglifetech.com)**