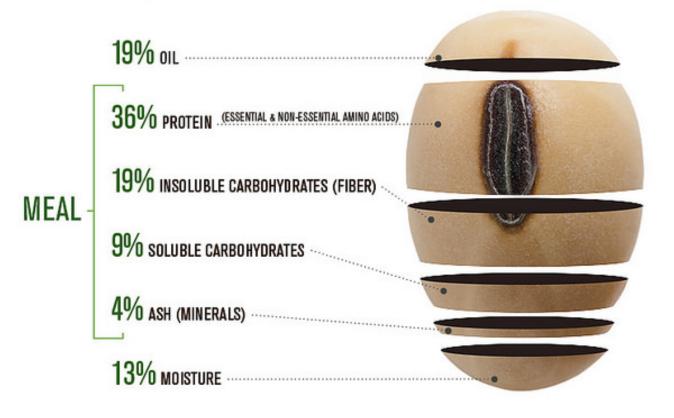
## Bioeconomy in Soybean Industry

Lin Tan PhD Hopefull Grain and Oil Group Nov 26, 2020

## SOYBEAN COMPOSITION



## Hopefull Grain and Oil Group

- Largest private soybean processing company in China
- Three processing plants throughout the country
- Capacity of 30 thousand tons a day
- Produce soybean meal, oil and lecithin.
- Soy Protein, Flavone, Phosphatamide under development





- Traditional: Soybean meal and soybean oil
- New development
  - Lecithin for feed industry
  - Biodiesel
  - Soy-based toner print, Coatings
  - Soy-based detergent
  - Soybean fiber for clothes
  - Biodegradable mulch
  - · Soy-based plastics, to make products such as automotive interior foam cushioning
  - Soy-based carpet
  - Soy-based asphalt



- Special meet (animal feed) and oil for higher-income consumers
- Edamame, Roasted beans, Natto, sprout
- Soy sauce
- Soy-milk
- Tofu
- Food

## Non-GMO Soybean For Modern Usage

- Margarine,
- Salad Dressing,
- Mayonnaise,
- Coffee Creamers
- Protein
- Lecithin and other food supplements





- World and Brazil soybean Production
- The production of GMO and Non-GMO products in the future
- Demand of Non-GMO soybeans in the world (EU, China)
- Production difficulties and transportation protocols
- Import Barriers in China port
- New product development and extension