

#### TALLER DE PROCESAMIENTO DE AVES Y PLANTAS DE BENEFICIO

# Global Prospective The Poultry Meat Industry

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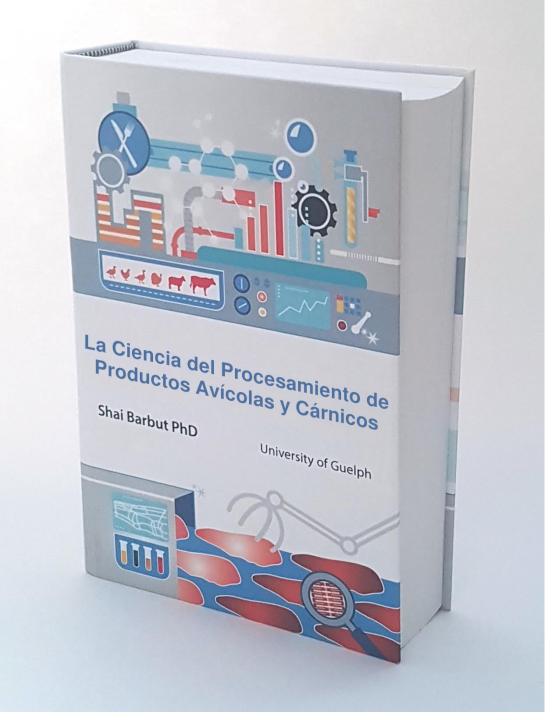
July 14, 2025

Bogota

www.amevea.org

### Background reading

- Free download: Spanish / English version –
- https://www.poultryandmeatprocessing.com/
- Chapters:
  - Automation
  - Global Perspective
  - Structure\* and Muscle Physiology
  - Live Bird Handling\*
  - Primary Processing of Poultry\*
  - HACCP in Primary Processing\*
  - Inspection and Grading\*
  - Stunning\*
  - Portioning, Deboning and Composition\*
  - Further Processing Equipment
  - Heat Processing, Cooling, and Preservation
  - HACCP in Cooked Meat Operations
  - Principles of Meat Processing
  - Battering and Breading
  - Microbiology and Sanitation
  - Evaluating Texture and Sensory Attributes
  - Evaluating Water/Fat Binding and Colour
  - Waste Treatment and By-products

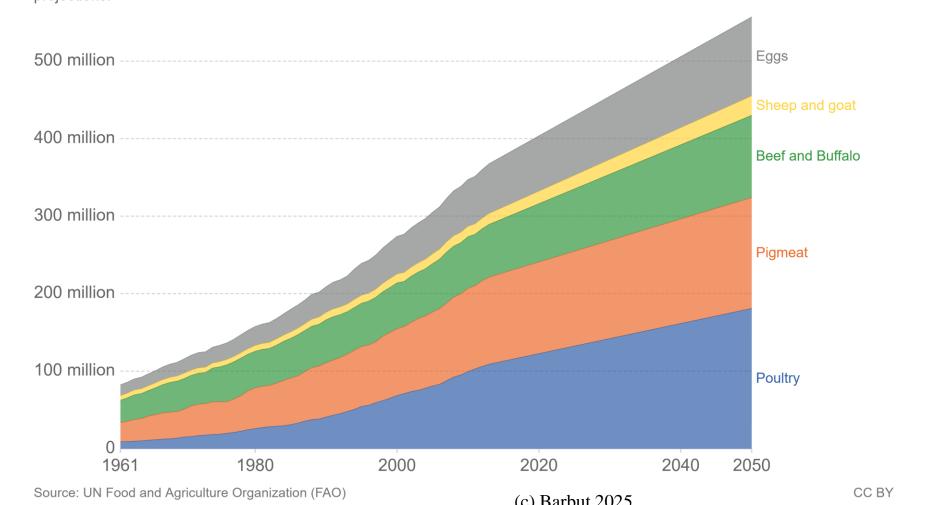


### Meat Production by 2050 (Data Nov 2019)

#### Global meat projections to 2050



Global meat production projections, as published by the UN Food and Agriculture Organization (FAO) based on future population projections and expected impacts of regional and national economic growth trends on meat consumption. Data from 1961-2013 is based on published FAO estimates; from 2013-2050 based on FAO projections.



 $230 \times 1.75 = 402$ 

#### **CHANGES IN CONFORMATION**

1970

2008







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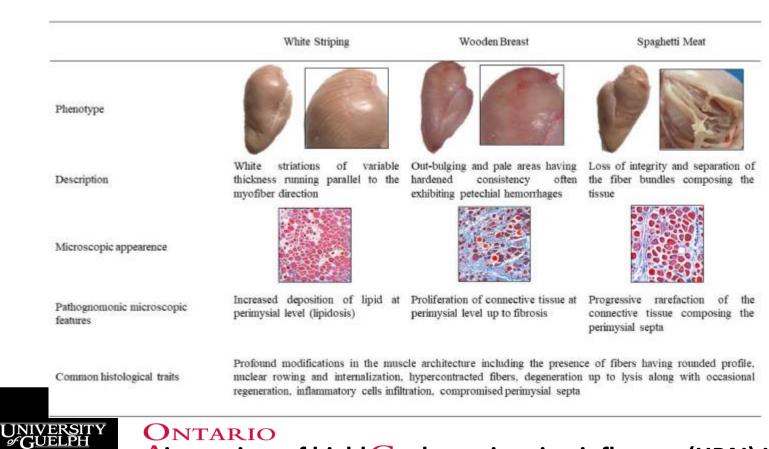
Book

See text book for more details

#### GROWING MORE AND BIGGER CHICKENS COMES WITH CHALLENGES

1) MYOPATHIES IN BROILERS: SUPPLY CHAIN APPROACH TO PROVIDE SOLUTIONS TO CHALLENGES RELATED TO RAISING FAST GROWING BIRDS

BARBUT ET AL. 2024 POULTRY SCIENCE 103801

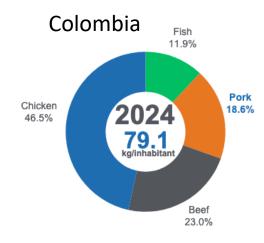


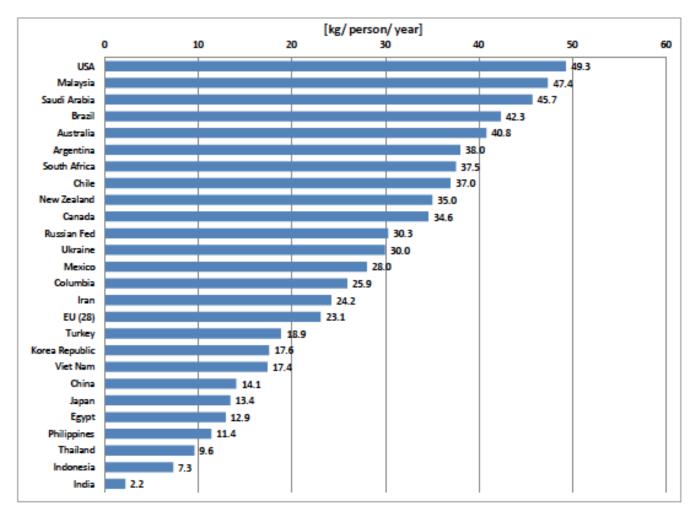
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hensive review of highly pathogenic avian influenza (HPAI) H5N1: An imminent threat at doorstep

Poultry Science

#### POULTRY CONSUMPTION IN SELECTED COUNTIRES





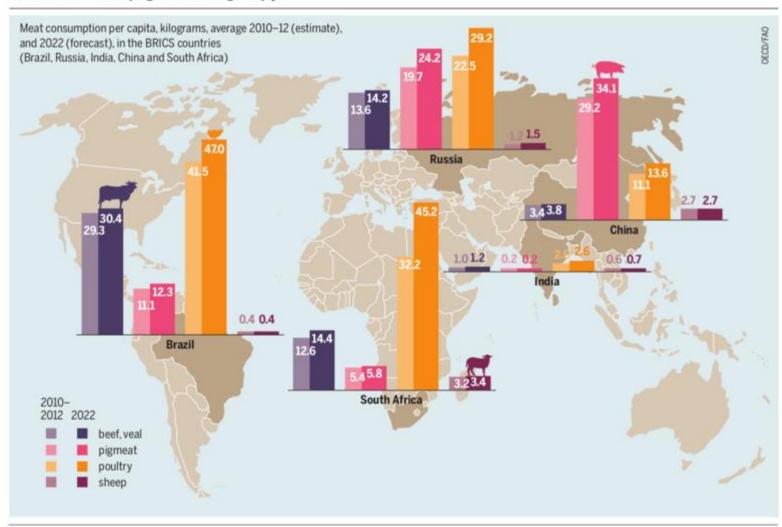


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Figure 1 - Projected per capita consumption of poultry meat AGRICULTURAL COLI in selected countries in 2024 (Source: OECD-FAO Agricultural Outlook 2015)

#### **DEVELOPING COUNTRIES**

#### Demand in the developing world is rising steeply







Book



### ONTARIO AGRICULTURAL COLLEGE DEPARTMENT OF FOOD SCIENCE

### New 'Colombian Chicken' brand aims to increase exports

Colombian chicken, beef and pork get together for the first time to push these animal proteins into the world market.

Watt Publication 11-12-2023



#### Fenavi

This commitment goes beyond chicken. The National Poultry Producers Federation (Fenavi) has joined efforts with beef and swine producers to export all meats to the rest of the world. This joint effort to promote their products was done at Anuga, the world's leading trade fair for food and beverages, that took place this week in Cologne, Germany. Brazilian poultry producers were also present in this trade show launching the campaign "Good Food – Sustainable Protein."

Beef producers from Colombia already export beef, swine producers are on their way but not yet poultry producers. This is the first time that the three animal protein producers have joined forces in an alliance to show their export capacity, to go out of their borders. Chicken producers want to leverage this alliance, because many world trades import the three animal proteins, so they can ride the same boat.

They are committing themselves to the future. Most interestingly is the fact that they will complement their marketing strategy with a joint "animal health diplomacy," something worth

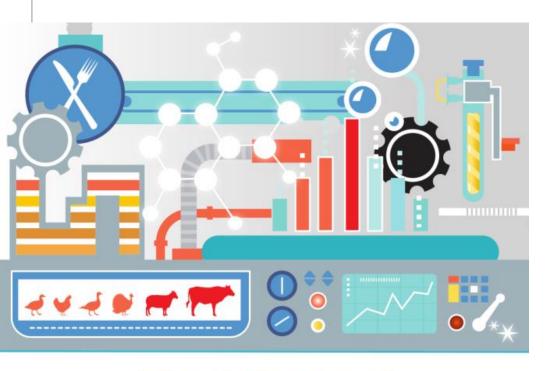
### LINE SPEED - BROILERS

| Year                          | Line Speed | Automation    |
|-------------------------------|------------|---------------|
| 1970                          | 3,000      | De-feathering |
| 1975                          | 4,500      | Cleaning      |
| 1980                          | 8,000      | Meat harvest  |
| 1990                          | 9,000      | Stimulation   |
| 2000                          | 10,500     | Cut up        |
| 2010                          | 12,000     | Unloading     |
| 2015<br>Ontario               | 13,500*    | Deboning      |
| A COLULTUR DEPARTMENT OF FOOD |            | Portioning    |

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<sup>\*</sup> Based on Barbut, Text Book

### THANK YOU



## The Science of Poultry and Meat Processing

- English version free download
- www.poultryandmeatprocessing.com

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