

THE ABC OF AGRIBUSINESS

PREPARED BY

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WHAT

There is hardly a sector or region that agribusiness does not touch. From the tech space to the policy making space, and even to sustainability, agribusiness is not only creating millions of jobs in every country, but also is at the cutting edge of innovation to keep the planet going for the generations to come. According to Professor David Van Fleet of ASU, the term agribusiness is used to refer to agriculture and agriculturally related products and services. So, in that sense, agribusiness encompasses almost everything.



AGTECH

In 21st century agribusiness, new technologies are one of the most promising avenues to sustainability.

Vertical farming, aquaponics and hydroponics are re-imagining what productivity per square foot can be in the future. 5G, RTK, Internet of Things and machine learning are paving the way to automation, intelligent farming and commodities trading. CRISPR and gene-editing are rethinking what is physically possible. Blockchain and smartphone technology are unveiling the hidden power of a trustworthy and accessible agri-supply chain.

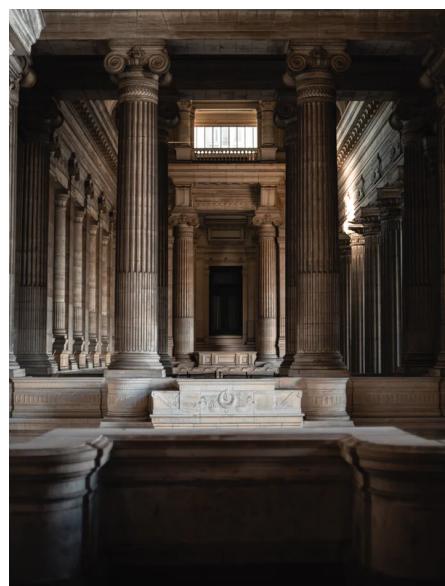
International trade, rural development, and food safety are the three major aspects of policy where agribusiness is key.

International trade of agricultural products is necessary in the modern world to satisfy increasingly globalized demand. Many countries are also strategizing how to leverage their agricultural bases for development, while also raising the standard of living for those outside of cities.

In the US, most local health departments conduct regular inspections and licensing of food distributors increasing their safety protocol since the pandemic.

Agriculture and agribusiness play a major role in the development of domestic and international policy, the effects of which are felt by billions.

POLICY



SUSTAINABILITY

In an era where sustainability is becoming increasingly important, agribusinesses are seeing opportunities in shifting to sustainable habits.

Methods such as switching to alternative meats like Beyond Meat or Impossible Foods are well known to almost everyone today. Equally well-known are companies that sell environmentally friendly products like Whole Foods or even mobile apps to reduce food waste such as OLIO and Karma. The avenues of sustainability are being explored in every single part of the agricultural process, due to the increase in consumer demand for sustainability.



BUSINESS

Agribusiness employs nearly 1 billion people world-wide from the singular independent farmers to large corporations.

Business under agribusiness includes finance, consulting, real-estate and much more. Companies such as Mothive, CropX, and Arable, are revolutionizing the farming landscape and creating new jobs. Being such a large industry, agribusiness provides many opportunities for multi-disciplinary careers and research.