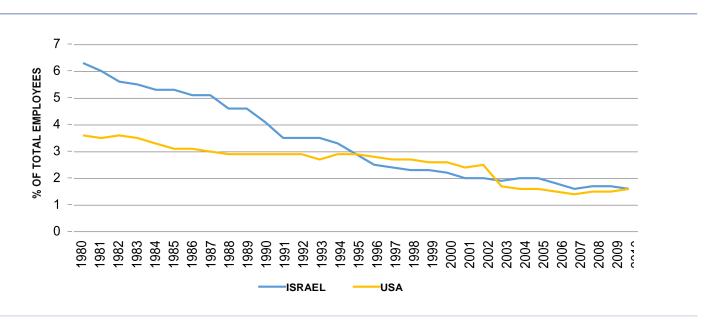
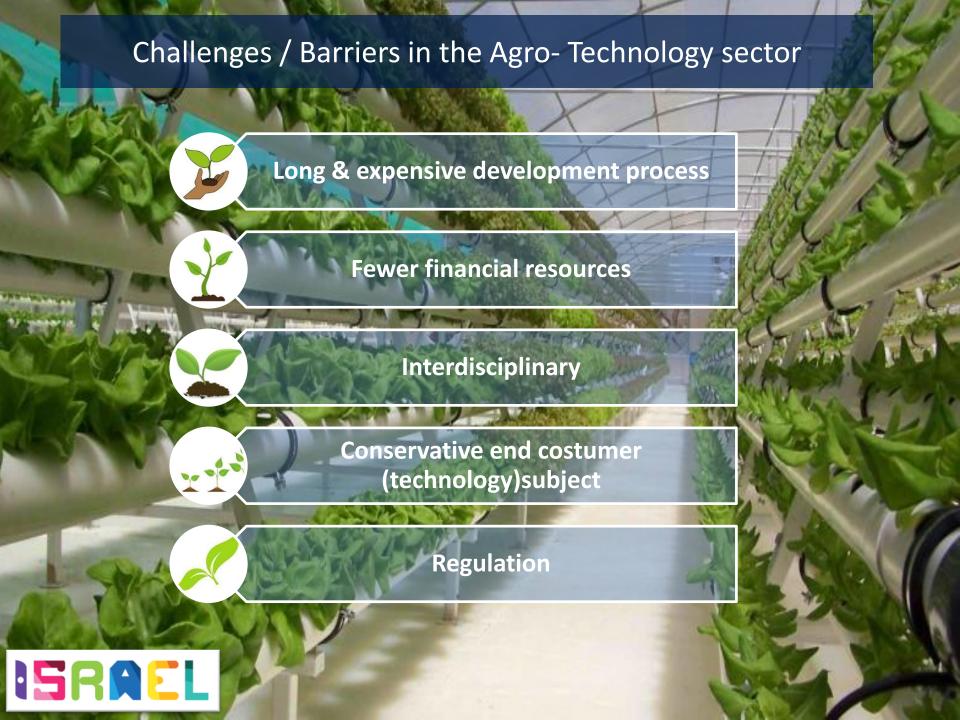


Why Agro-Technology?

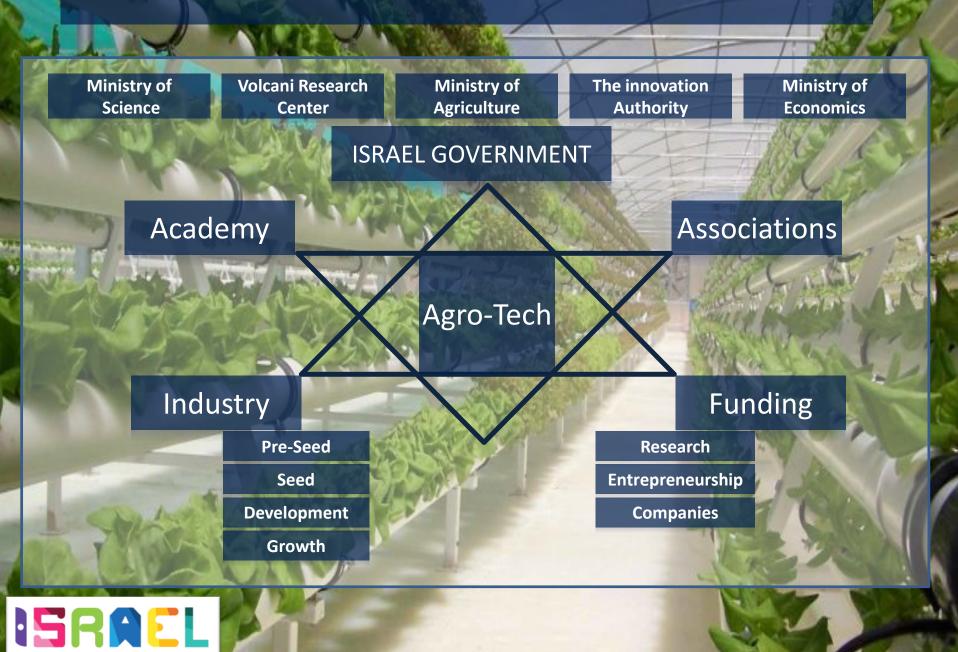
Reduction of Labor Force in Agriculture



SOURCE: World Bank, 2015



AGRICULTURE ECOSYSTEM IN ISRAEL









INDUSTRY - SECTORS

Bio-Technology

Seed Improvement

Water Irrigation

Post Harvest

Indoor Agriculture

Aquaculture

Agricultural Machinery

Fertilizers

Bio-Pesticides

Precision Agriculture

Food-Tech

Feed Additives



INDUSTRY



























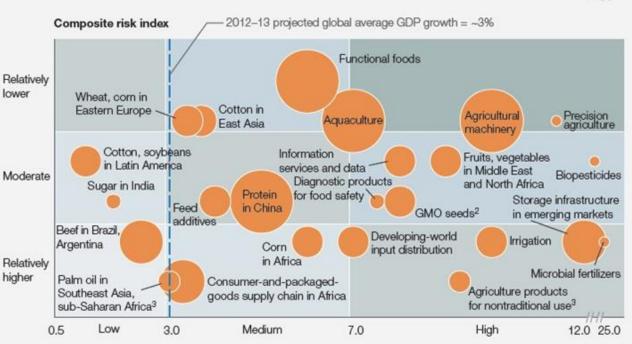
Celebrating 80 years of Irrigation solutions for better farming



McKinsey's Forecast for Agro-Technology Industry



Opportunity matrix¹



Expected growth, compound annual growth rate, 2011–20

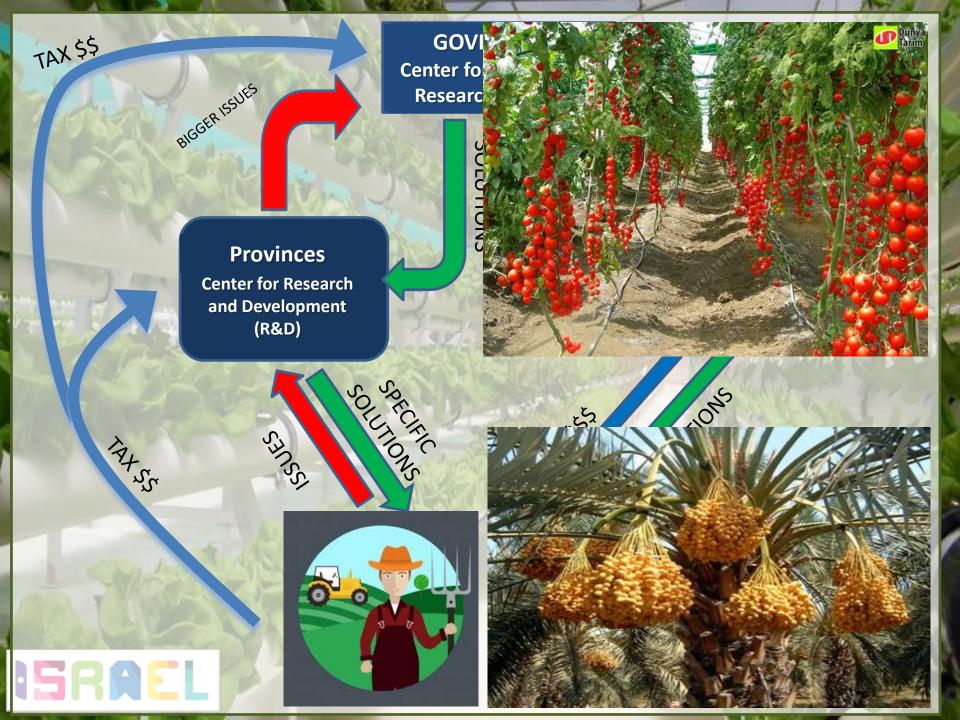
Source: Ag2020: Growth and investment opportunities in food and agribusiness, a joint report from McKinsey and Paine + Partners, 2013



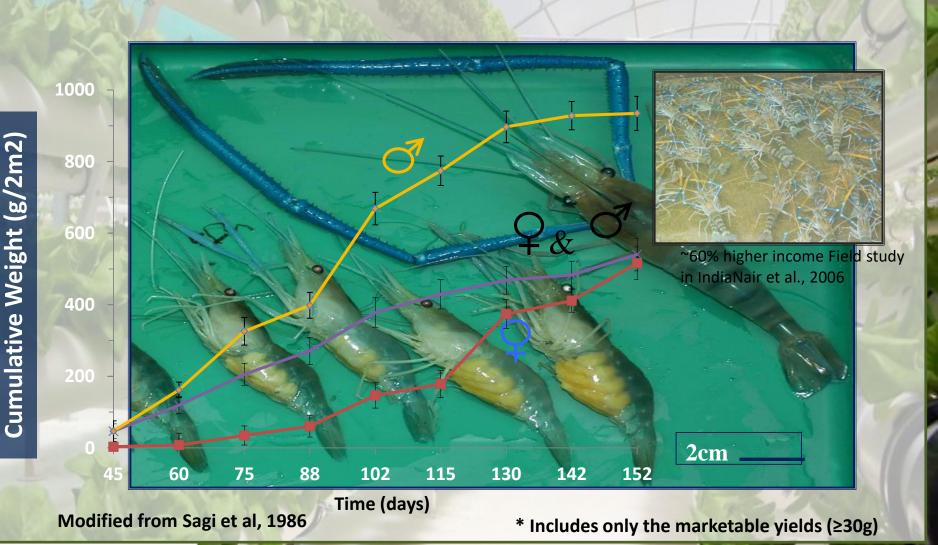
¹Growth segments (horizontal axis) are low, <3%; medium, 3-7%; high, >7%. Risk (vertical axis) is measured as the sum of scores across 4 types of risk assessed: execution, geopolitical, regulatory and market, and technological.

²Genetically modified organism (GMO) seeds have high regulatory risk in some regions and high acceptance in others (eg, North America). Palm oil has higher risk in sub-Saharan Africa, where most growth will come.

³Agriculture products used for construction and pharmaceuticals (not cotton, energy, food, tobacco, or wood).



Macrobrachium rosenbergii dimorphic growth in favor of all-male culture and selective harvest





NEO- FEMALE AND MALE PRAWNS PRODUCE AN ALL-MALE POPULATION

- Male Prawns are homozygote (ZZ)
- Female Prawns are heterozygote (WZ)
- Crossing Neo-female (males without AG) and male prawns results in an all male population

