

# ISRAELI AGRITECH

START-UP  
NATION  
CENTRAL

## Harnessing a Century of Agricultural Experience to Solve Global Challenges

Israel has one of the highest crop-to-water ratios in the world due to a lack of water, and has cultivated a legacy of agricultural innovation in the face of scarcity for more than 90 years. With advanced research, entrepreneurial farmers and technologists, and government support, the country has produced an Agritech sector that today numbers more than 500 globally-oriented companies excelling in many different areas.



### Density, Diversity, and Interconnectivity:

Over 500 start-ups offering a diverse range of solutions to challenges across the agriculture supply chain



### Innovation originating from necessity:

A shortage of natural resources fostered innovative methods and technologies—from biotech to precision—for growing more with less, long before it became a globally pressing challenge.



### Technological strengths:

Israel is a world leader in technology, leveraging top talent and expertise in AI, Data Sciences, Drones, Sensors, and Imagery for the AgriFood-tech space.

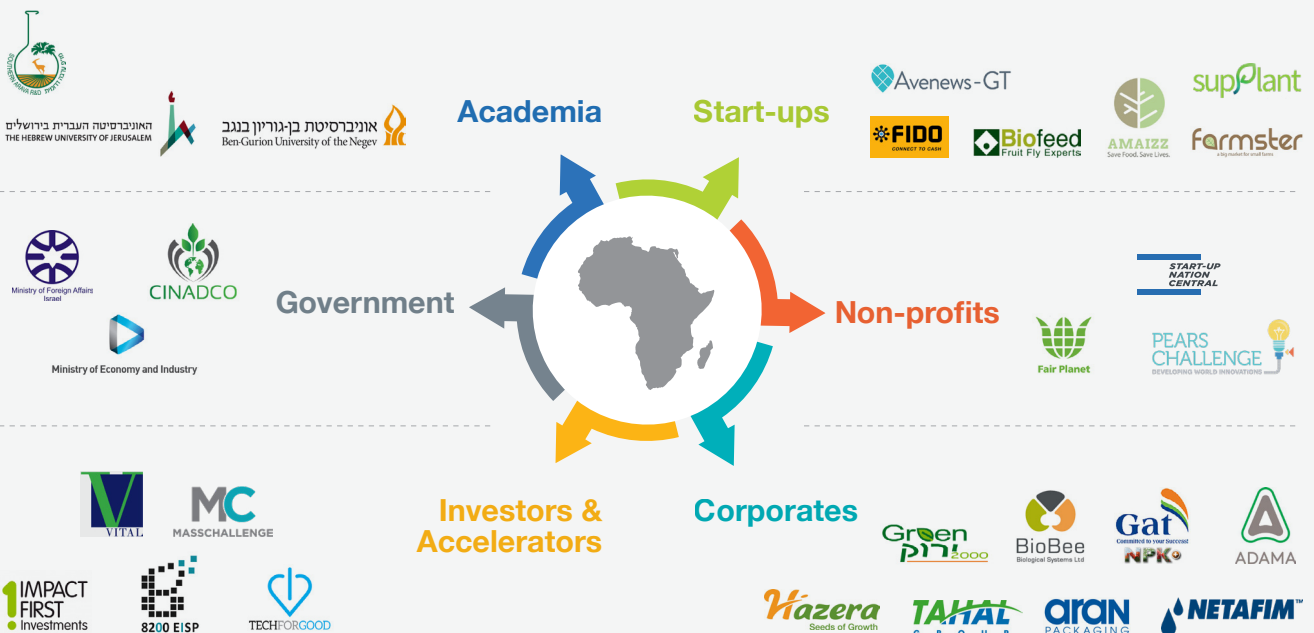


### Connected, Thriving Ecosystem:

Communal culture where start-ups, corporates, academia, and investors all work together as part of a closely linked ecosystem

## Israeli Agritech in Africa

Showcasing the diversity of Israel's innovation ecosystem:  
Key Israeli Agritech initiatives and commercial activities in Africa



# How Israeli Agritech Innovation can Support the Green Revolution in Africa

Of the many Israeli Agritech companies, here are some with current focus on Africa

## Biotech Inputs and Conversion Systems

Beneficial biological agents for better irrigation, nutrient uptake, crop protection or scientifically designed hardware.



Mycorrhizal Inoculants for Commercial Agriculture [↗](#)



Slow Fluid-release Technology for Green Pest Control [↗](#)



Nontoxic Pest Control [↗](#)



Flood-based Drip Irrigation System [↗](#)

## Smart Farming

Data and decision-support platforms using sensors, imagery, crowd knowledge, and algorithm-based processing to guide growing and harvesting.



AI for Pest Management and Disease Identification [↗](#)



App for Pest and Disease Management [↗](#)



Precision Agronomy and Agricultural Intelligence Platform [↗](#)



Real-time Field Monitoring Technology [↗](#)



Connecting Small Farmers with Local Advisors [↗](#)



Real-time Field Monitoring Technology [↗](#)

## Post-harvest and Spoilage

Preservation and treatment technologies for maintaining produce quality from the farm to the consumer.



Minimizing Postharvest Losses [↗](#)



Packaging Solution for Fruits and Vegetables [↗](#)

## Marketplaces, Market Linkages, and Financial Services

Accessible digital platforms for connecting small growers with markets and insurers for sales, transport, and coverage.



Online Agricultural Marketplace for Emerging Markets [↗](#)



Agricultural Product Trading Platform [↗](#)



Precision Agronomy and Agricultural Intelligence Platform [↗](#)



Crop Insurance Platform [↗](#)



Credit Scoring for Agricultural Microfinance [↗](#)



Short-term Loans for Underserved Markets [↗](#)

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## START-UP NATION CENTRAL IS YOUR GATEWAY TO ISRAELI AGRITECH INNOVATION

Start-Up Nation Central is an Israel-based non-profit, serving as a gateway to Israeli innovation. The organization leverages its in-depth knowledge of Israel's innovation sector to connect business leaders, governments, and NGOs from across the globe to the most relevant people and technologies that can address their most pressing challenges.

Contact Start-Up Nation Central for more information and connection with the Israeli innovation ecosystem

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