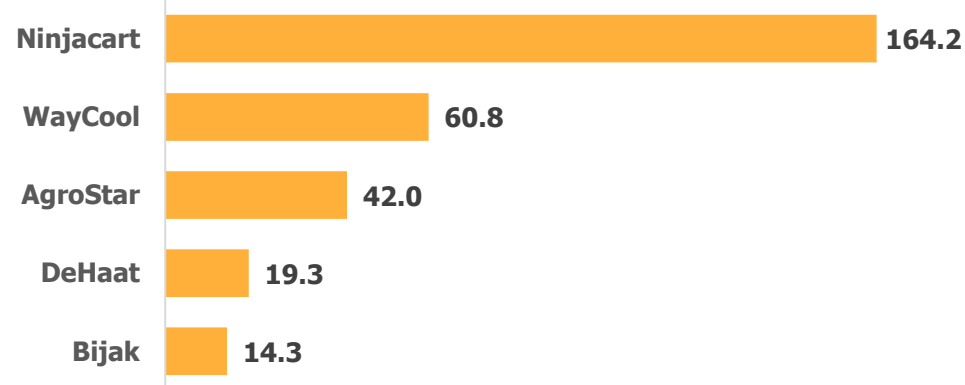


Digitization in Indian Agriculture

Fund Raised by Top 5 AgriTech startups (US\$ mn) as of FY'21



Government initiatives under digital agriculture segment in India

Year of launch	Initiatives
2021	Digital Agriculture Mission 2021-25
2020	Jio Agri (JioKrishi) platform
2019	Agricultural Digital Infrastructure (ADI) solution
2016	National Agriculture Market (eNAM)
2015	Soil Health Card Scheme
2013	Direct Benefit Transfer (DBT) Central Agri Portal

Benefits of digital agriculture



Monitoring and administration of farmland



Help in reducing soil degradation



Raise socio-economic status of farmers



Reduces ecological aftermath



Minimises expenditure and expands production



Avoids usage of fertilizers and lowers water consumption

The Future

Farmer Producer Organization (FPOs)

A group of small farmers should come together for better implementation of technologies like Artificial Intelligence, Machine Learning, remote sensing, satellite imaging, big data, data analytics, GIS technology, use of drones and robots

Low cost technology

Low cost technology and equipment rental services are the need of hour. As typical Indian farmers are small, plug and play hardware has a good opportunity in Indian market.

Educate farmers

The government should take necessary steps to educate the farmers, take time-to-time feedbacks to understand whether the projects proved to be helpful for them and encourage them to share ideas and suggestions so that better facilities could be provided.