

pin cer™

Profiler and Information on Crop Exposure and Risk

Agriculture covers nearly 180 million hectares in India. PInCER is, at its heart, a live crop map, presenting the geo-location of standing crop across the country. Using satellite imagery to classify crops, PInCER makes the crop map actionable by overlaying useful data on it, including village boundaries, farm sizes, crop health, weather forecasts, yield estimates and land ownership. This allows for data-based decision-making in procurement strategy, stock holding, commodity pricing, and crop risk.

UNMATCHED EXPERTISE IN CROP ACREAGE MAPPING



Live Crop Map

Updated every crop season, acreages of major crops plotted on the map at pan-India level



Village Prioritization

Helps commodity buyers focus on villages based on crop acreage, health, and scores of other parameters



Mobile App-based Field Management

A mobile app and portal for allocation of territories and farms to extension teams, tracking actual visits, data collection, and supporting navigation to enrolled farms



In-season Tracking

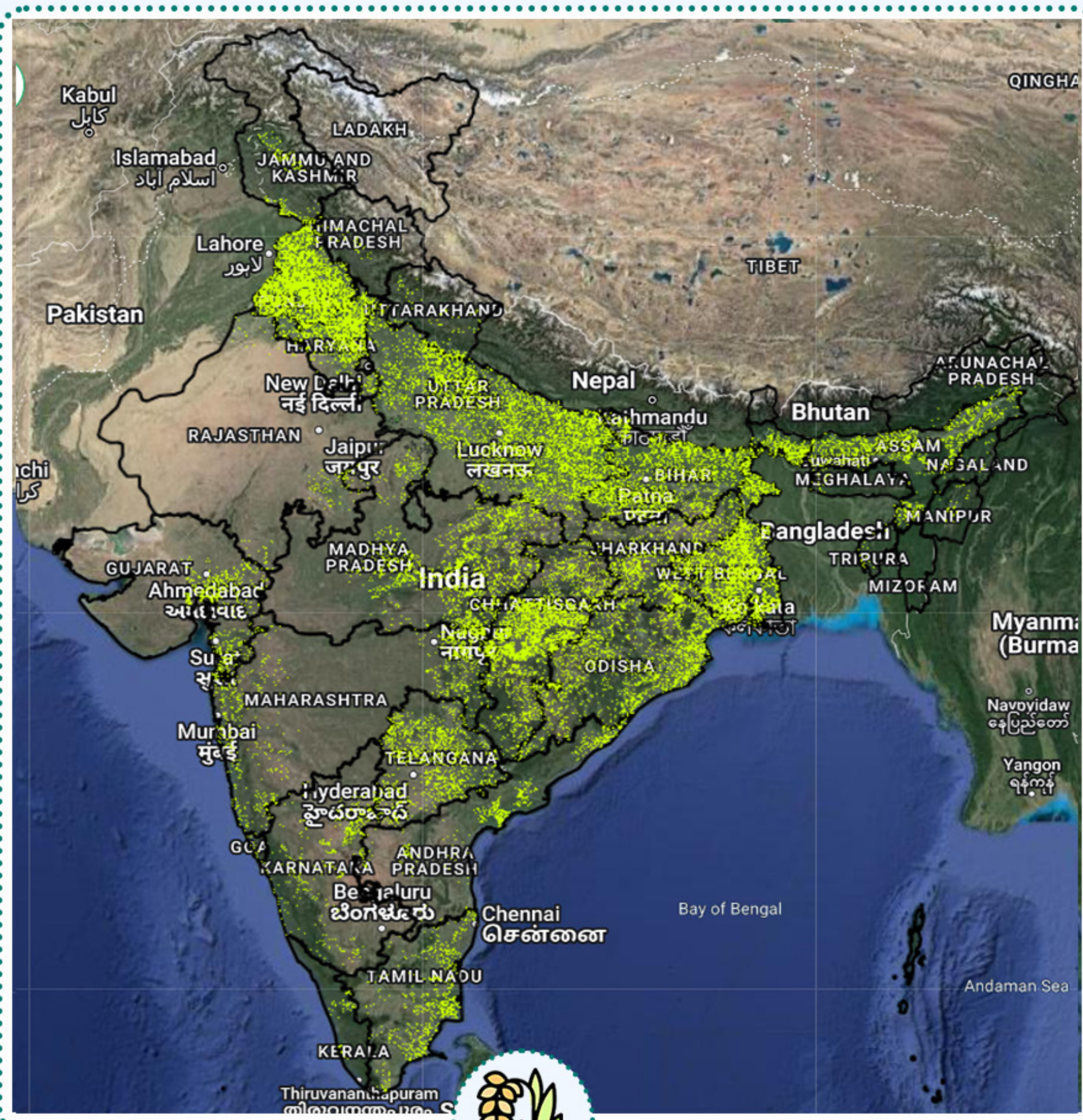
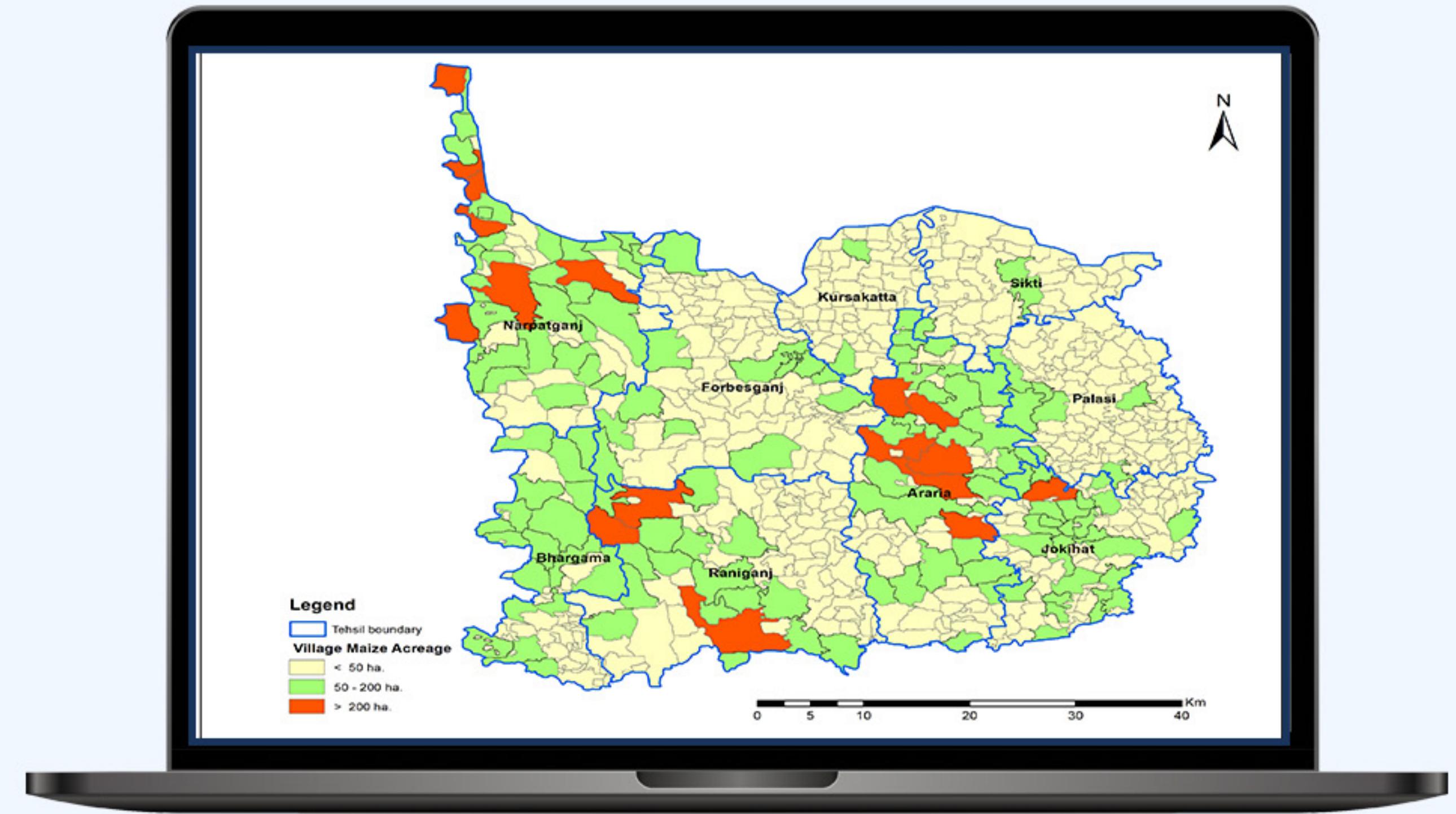
Using satellite imagery to track farms and crops of interest, estimate production and harvest progression and predict mandi arrivals



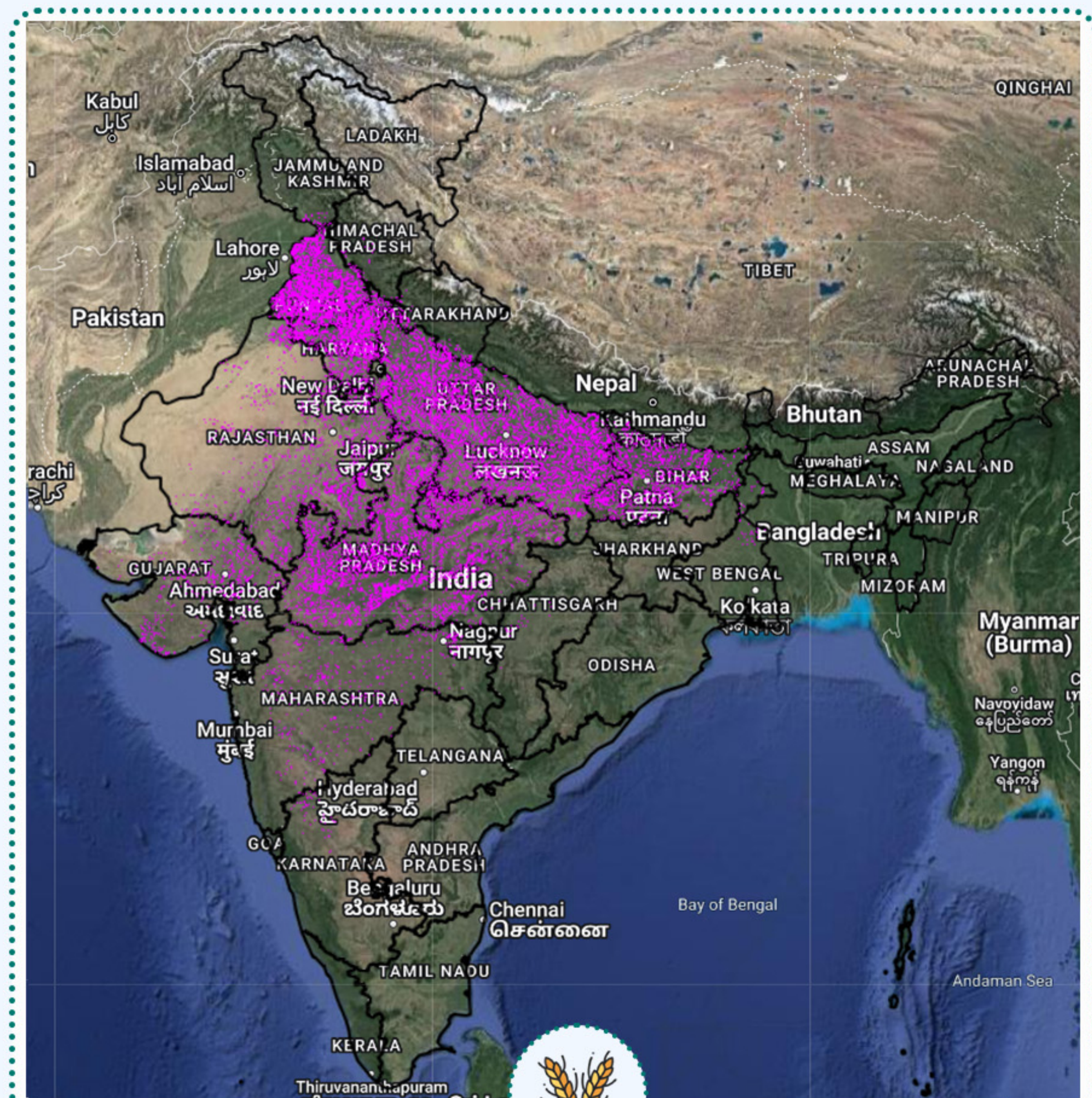
PIncER is a first-of-its-kind, live crop map of India.

Updated every Kharif and every Rabi season, major crops are classified at high resolution across the country. Clients can access All-India acreage estimation on demand.

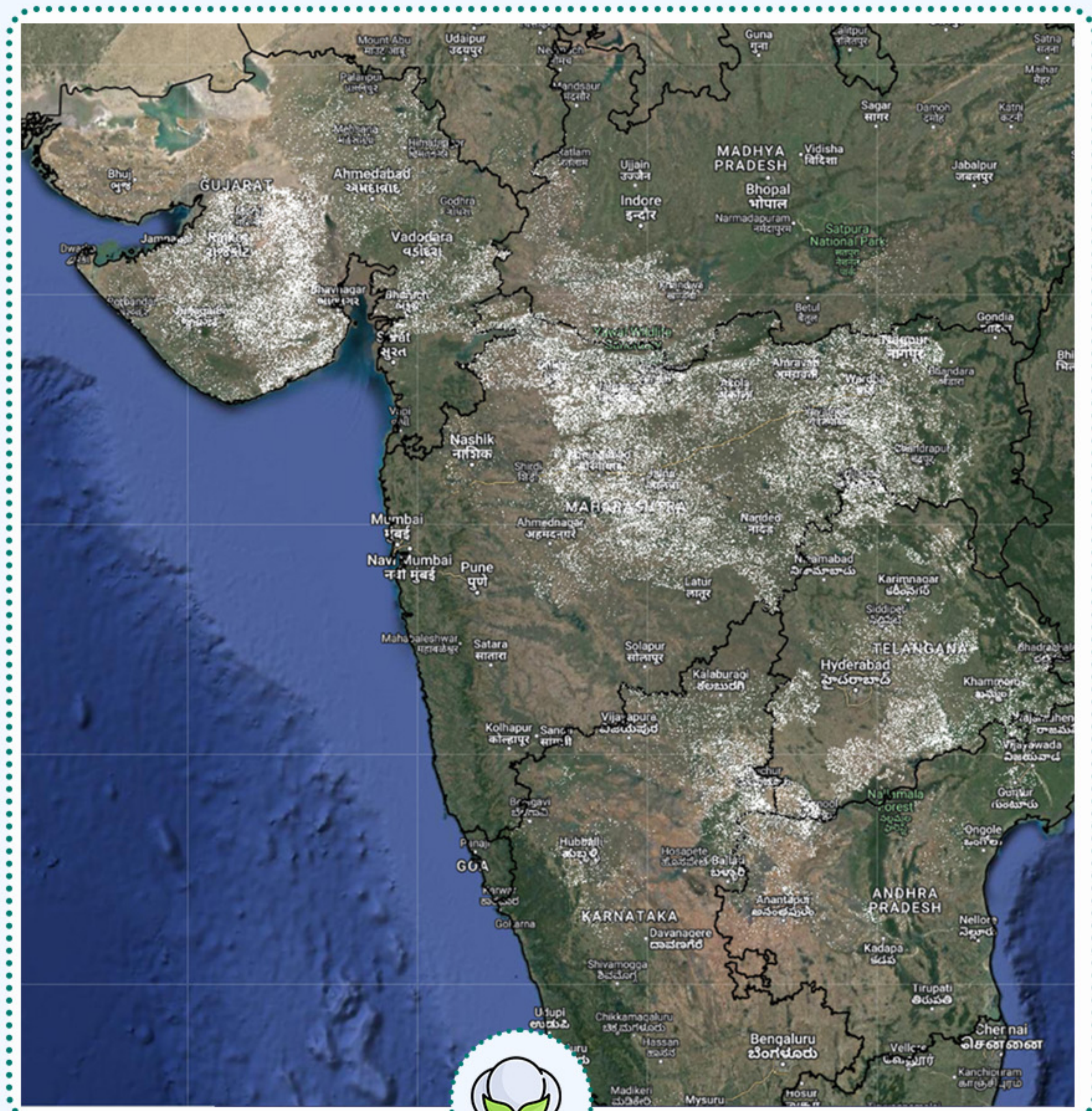
- Covers major crops such as Paddy, Soybean, Maize, Cotton, Mustard, Sugarcane and Wheat, among others. New crops will be added each season.
- Built using RMSI's decades-old expertise in satellite imagery analysis and application of AI/ML
- High crop classification accuracy developed over years of experience in classifying crops across India, Europe and South East Asia



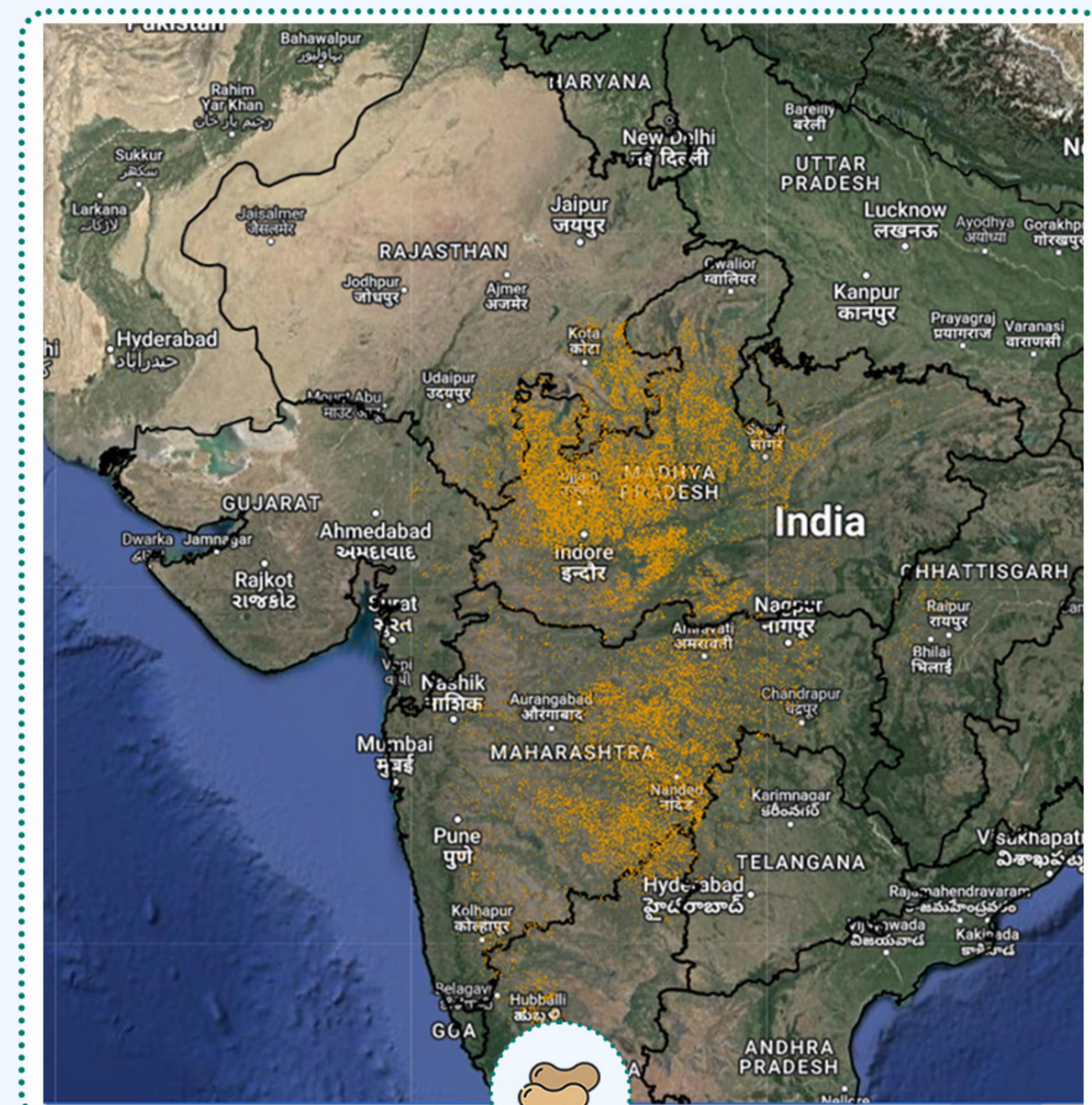
Paddy



Wheat



Cotton



Soybean

Also Available :



Maize



Potato



Pulses



Groundnut



Sugarcane



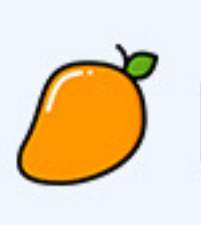
Coriander



Chillies



Mentha



Mango



Citrus

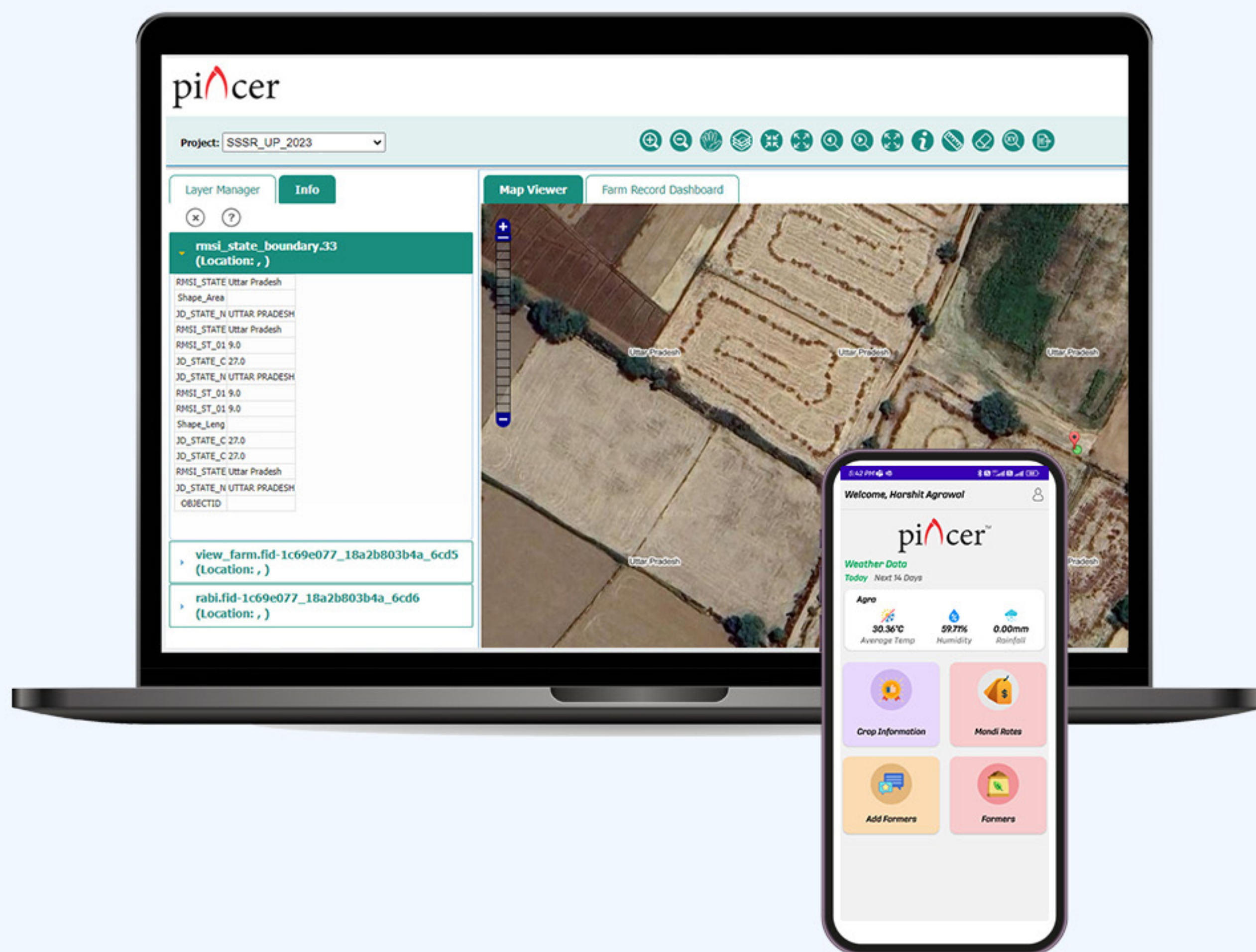
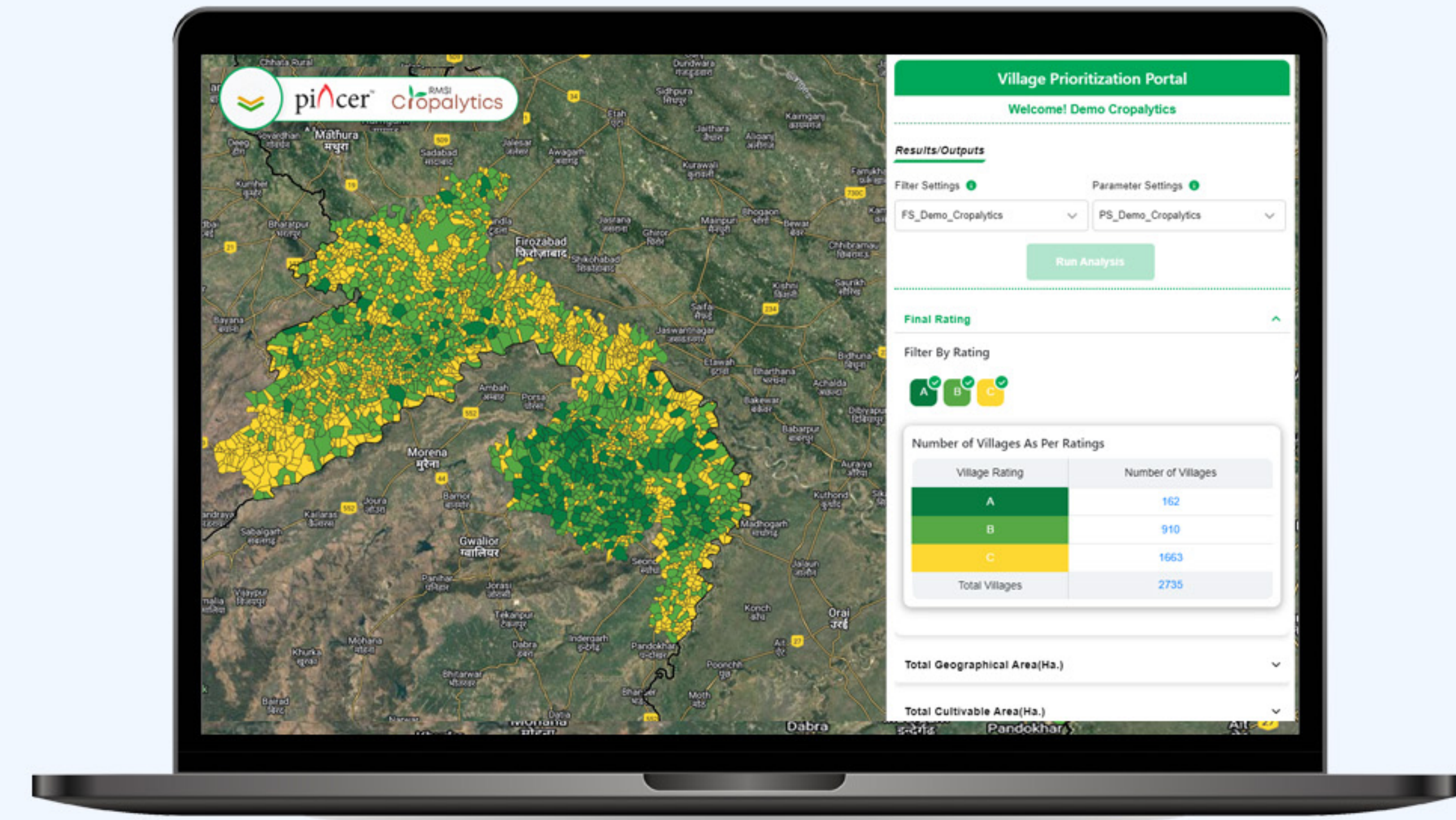


Village Prioritization



A unique bestseller application that builds analytics on top of the crop map to help prioritize villages.

- Prioritization on **criteria of choice** such as crop acreage, crop health, soil moisture, crop yield among others
- Ability to overlay village, sub-district and district boundaries for the entire country. When these boundaries are overlaid on the crop map, prioritization may be made at the **resolution of choice**.
- Supports the development of a sound procurement strategy
- Clients may choose from a variety of criteria such as farm sizes, socio-economic parameters and distance from highway or mandi



Mobile App-based Field Management

PinCER mobile app available on PlayStore that supports ground truthing, data collection, farmer enrollment and farmer geo-location

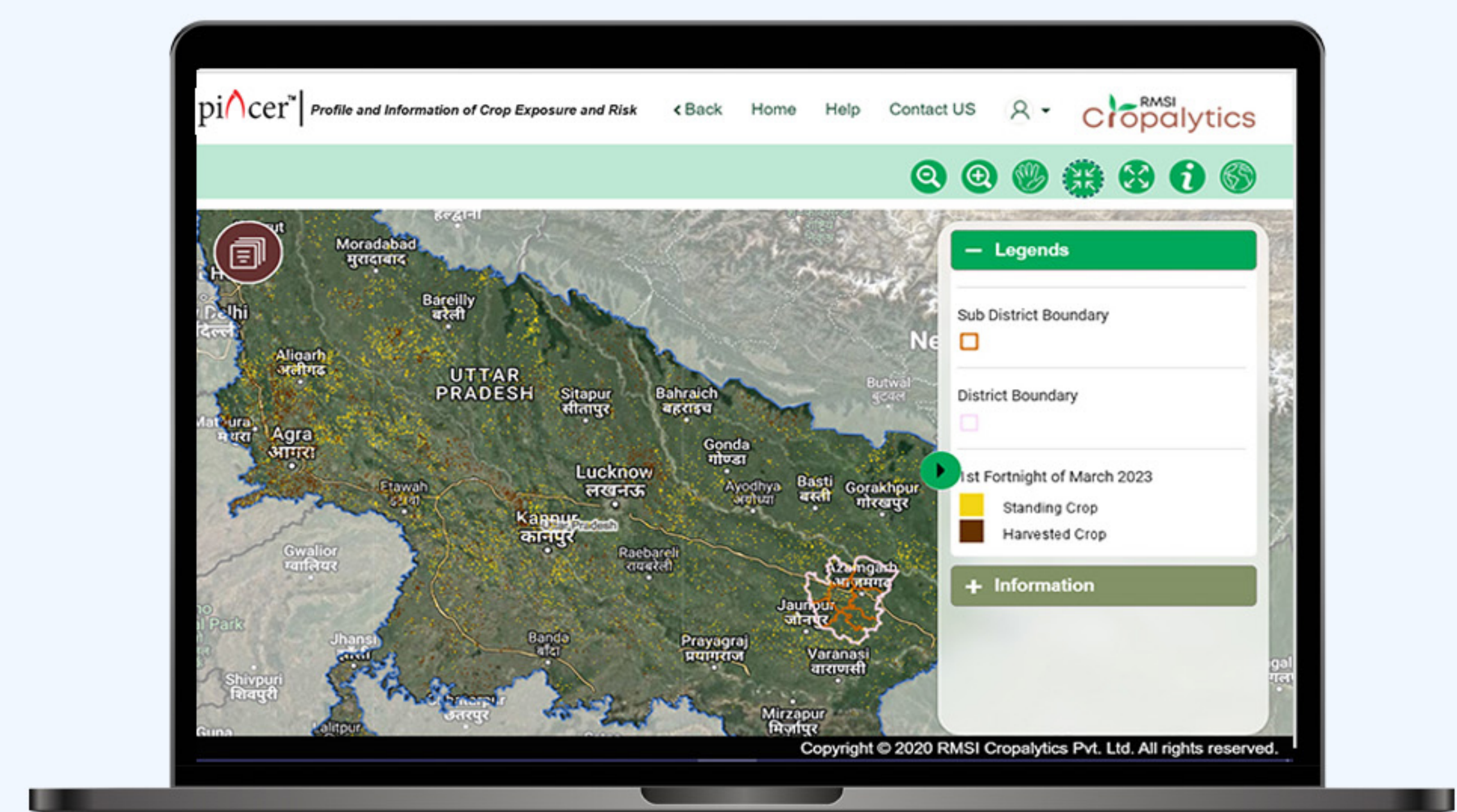
- A portal for assigning territories to field extension team members and tracking their activities
- Allows tracking of actual visits and supporting navigation to enrolled farms
- Hierarchy-based access



In-season Tracking

An efficient, technology-based solution to provide real-time update of crop progress at village or block or district level

- Tracking sown acreage, crop health and harvest progression
- Estimation of yield from standing crop (remote-based guidance)
- Choice of ground-truthing, field survey, and CCE-measured yield estimation
- Choice of report frequency, resolution and data analytics
- Harvest progression and mandi arrival forecasts





About RMSI

RMSI is a global IT company providing geospatial and software solution to clients in sectors ranging from utilities, communications, navigation & location-based services, natural resources, land & infrastructure to government & funding agencies.

RMSI is one of the largest geospatial employers with an employee base of over 5000 resources and is consistently ranked amongst the top companies to work for. RMSI has three state-of-the-art development centers in India and six fully owned international subsidiaries in the US, Canada, Australia, UK, Middle East, and Bahrain.



About RMSI Cropalytics

RMSI Cropalytics aims to organize all relevant data related to agriculture in order to help stakeholders in the agri sector make informed decisions and bring focus and efficiency to their operations. We at Cropalytics use advanced technologies like AI-ML, Satellite imagery, Modelling, and Geo-coding to offer end-to-end analytics solutions to crop insurance companies, farm lenders, agri-input companies and commodity buyers

