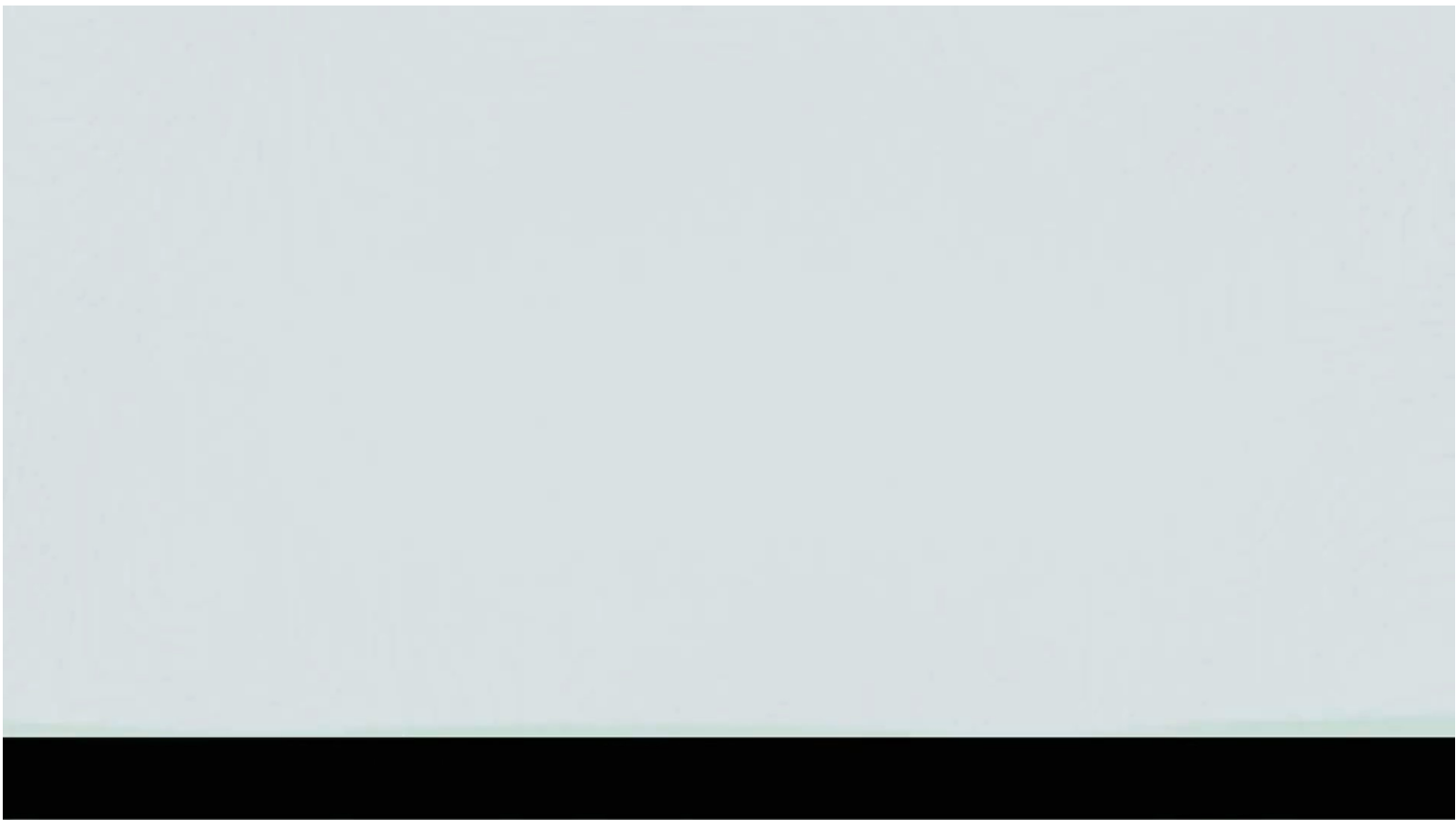
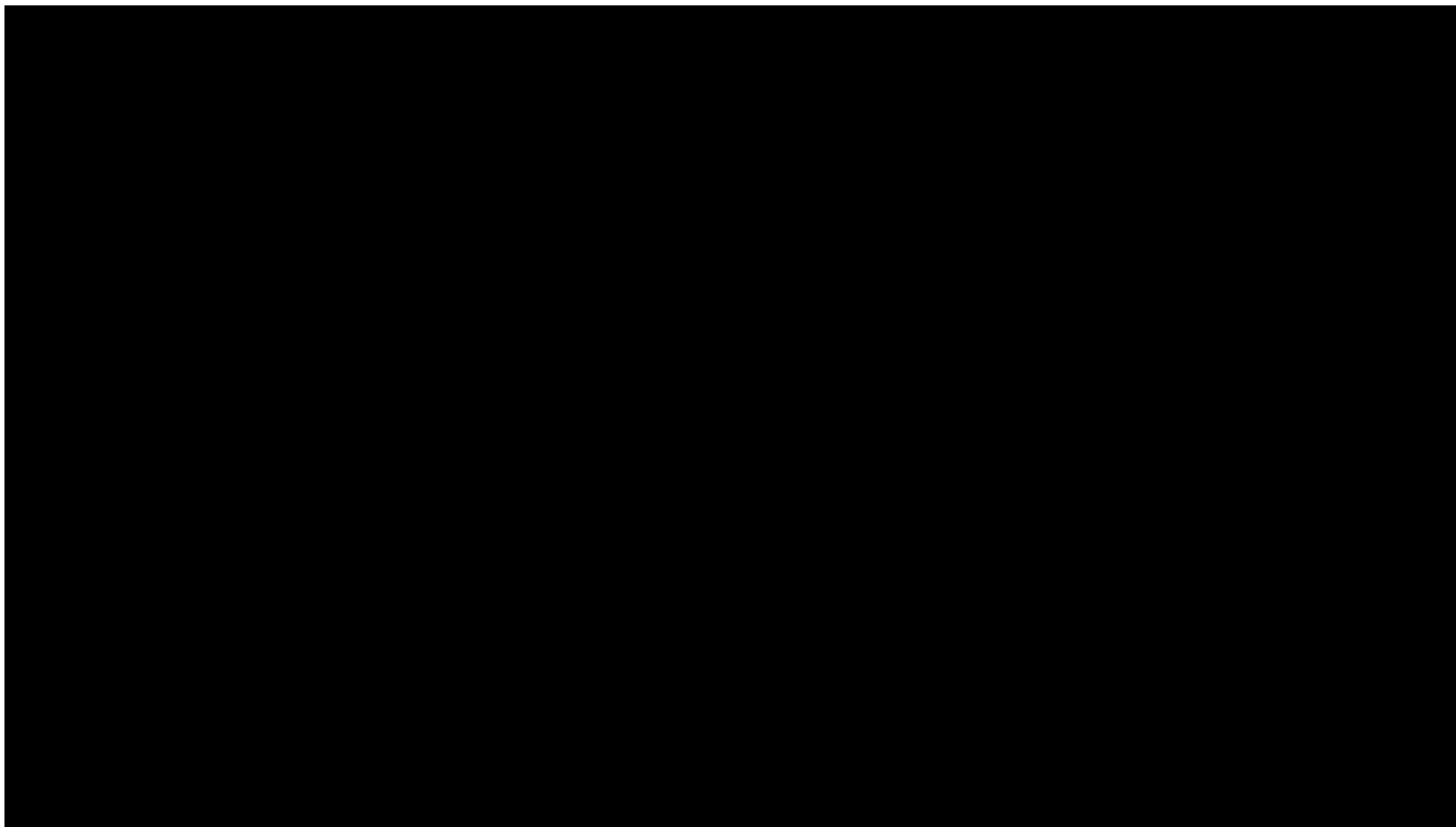








SOLVING CROP INSURANCE WITH CROPIN



Define & adjust premiums

Use satellite and historical data to price risk accurately and design fair insurance premiums.

01



Minimize crop losses

Detect early signs of stress, pest, or disease using AI models to prevent yield loss before it escalates.

02



Digital KYC

Digitize farmer verification through geo-tagged plots and secure registry integration.

03



Get compensated fairly

Enable transparent, data-backed claim validation ensuring every farmer is paid accurately and on time.

04



SOLVING CROP INSURANCE WITH CROPIN



Farm, Pest & disease intelligence

Leverage satellite and AI insights to detect pest and disease risks early and enable timely interventions.

05



Faster claim processing

Use AI-based validation and satellite evidence to reduce claim turnaround from weeks to days.

06



Minimize insurance frauds

Leverage geo-tagged data and AI audits to verify claims and ensure complete transparency.

07



Automate disbursements

Integrate verified claims with digital payment systems for instant and error-free payouts.

08









LOCATION:
India

CROP:
Multiple crops

OBJECTIVE:

To enhance transparency, reduce claim delays, and optimize Crop Cutting Experiment (CCE) operations under the Pradhan Mantri Fasal Bima Yojana (PMFBY) through digital plot monitoring and AI-powered risk analytics.

SOLUTIONS IMPLEMENTED:



Case Study

Empowering India's Flagship Crop Insurance Scheme with Data-Driven Intelligence

OBJECTIVE:

- 30–40% reduction in **CCE operational cost**
- 25% faster **claim settlement turnaround**
- <5% variance between **estimated and actual yields**
- 2× improvement in **field data accuracy**
- Real-time **weather and risk insights** delivered to insurers

FINDINGS:

10+
States
digitally mapped

60+
Districts
Covered

10,000+
CCEs
conducted

82–87%
Yield Accuracy
achieved

48%
Reduction in
required CCEs
using AI/ML
models

IMPACT:

By digitizing ground operations and integrating AI with government systems, Cropin transformed PMFBY from a reactive insurance model to a **data-driven risk management framework**. The initiative enhanced **transparency**, reduced **fraudulent claims**, and improved **farmer trust** in the scheme.

Thank You

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World's First Intelligent Agriculture
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**NATIONAL CONCLAVE ON SUSTAINABLE FOOD
SYSTEMS**

