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Supporting Sugarcane Farmers

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A company with Netherlands roots, working in (sub)tropical regions, specialized in sugarcane.

Today

Remote sensing for smarter field operations

1. Why using satellite data
2. Remote sensing in operations
3. Results, field findings


Sugar production in Africa is often fragmented
and inefficient

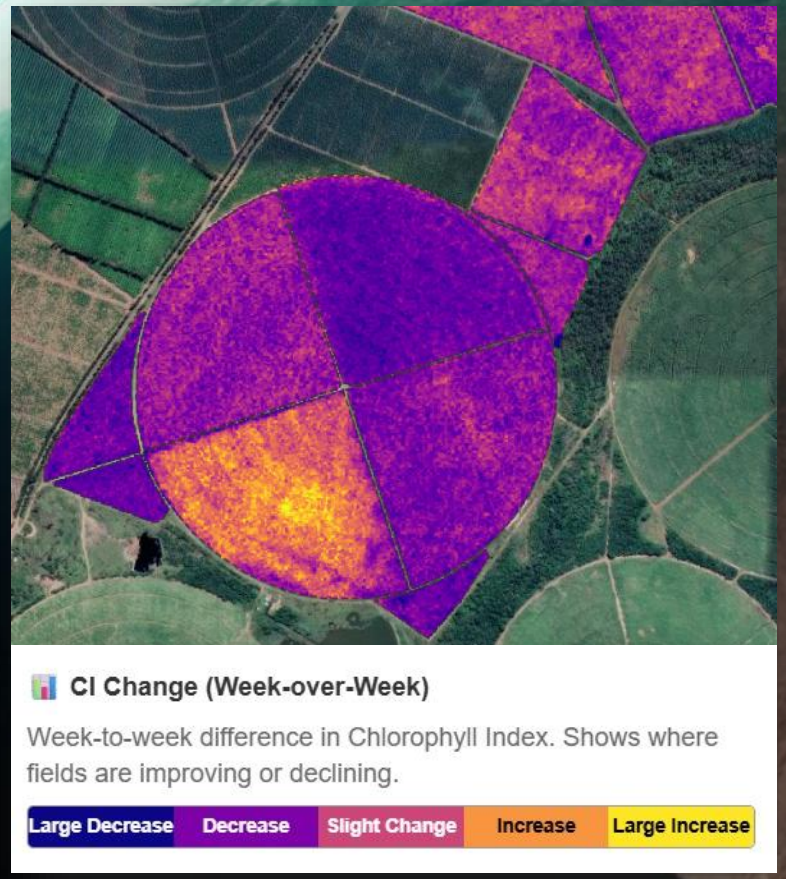
Thousands of smallholder growers
Limited visibility into field conditions

A mill depends on thousands of farmers, but doesn’t know crop conditions until it’s too late

The Cost of inefficiency is massive

Lower yields
Higher production costs
Increased reliance on imports

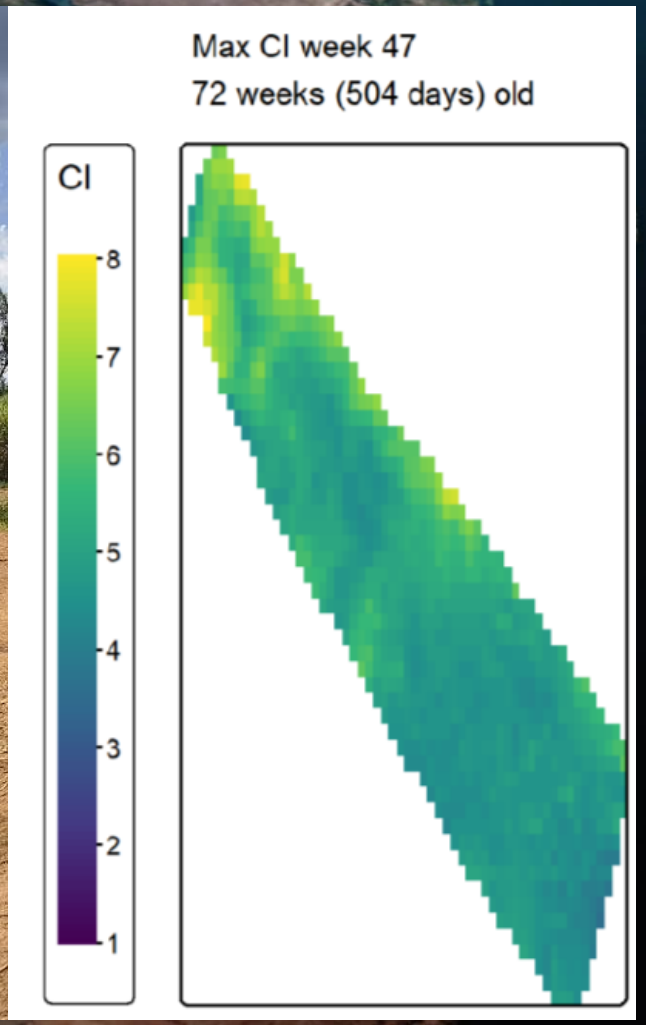
Africa produces sugar but still imports it



What if decisions were driven by real-time data?

- Monitor every field, every day
- Detect issues early
- Optimize harvest timing

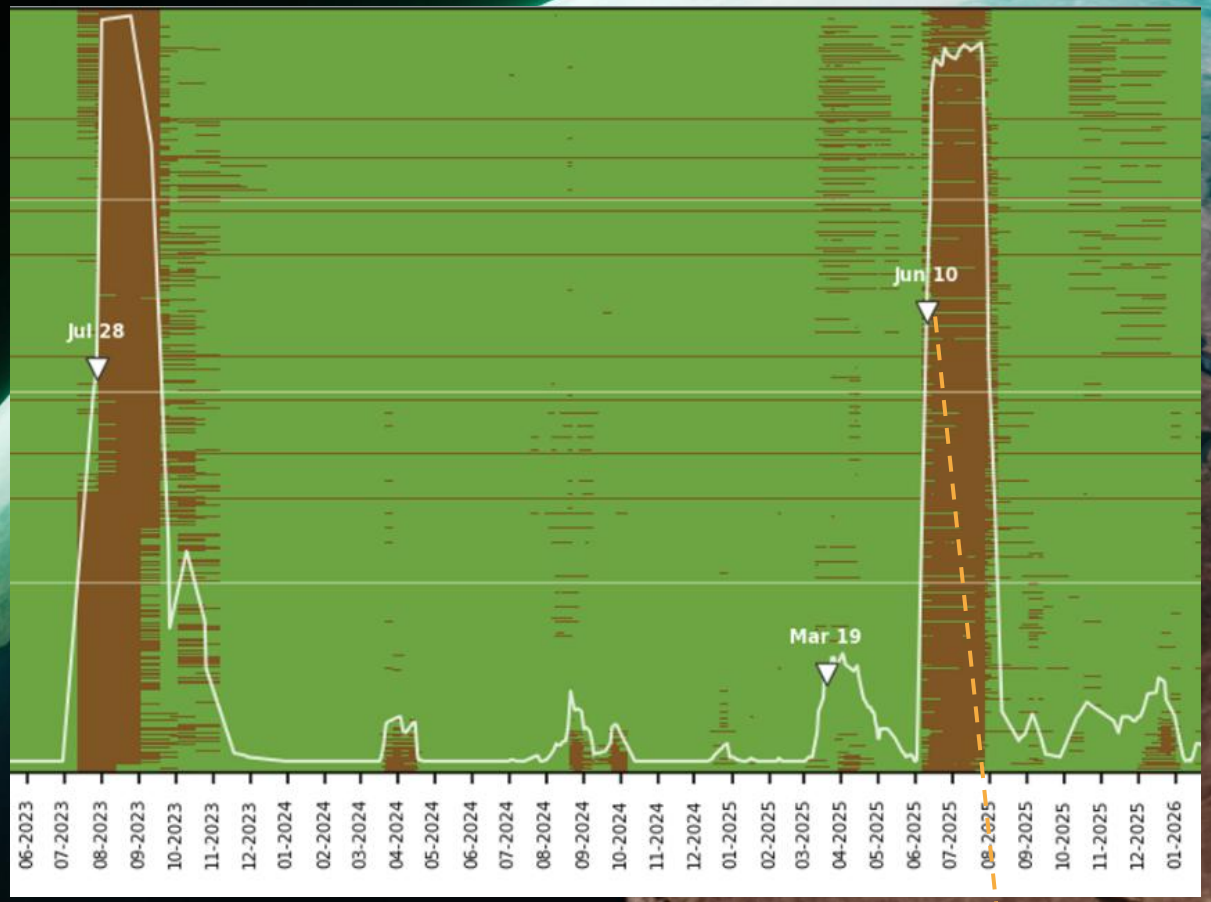
Remote sensing for field intelligence



Daily crop monitoring via satellite

Technically detailed

field size 1.27 acres



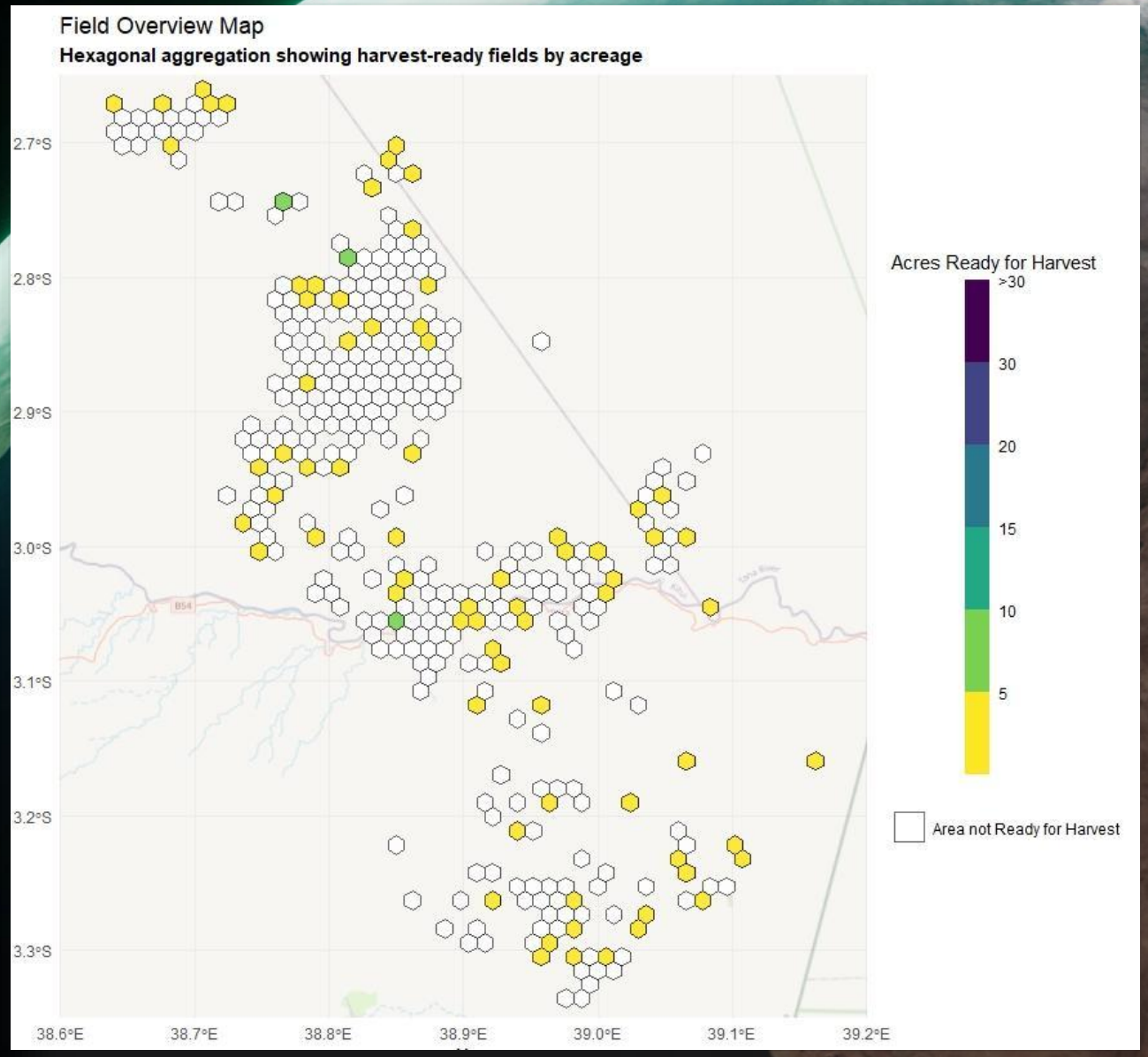

2025 June 02

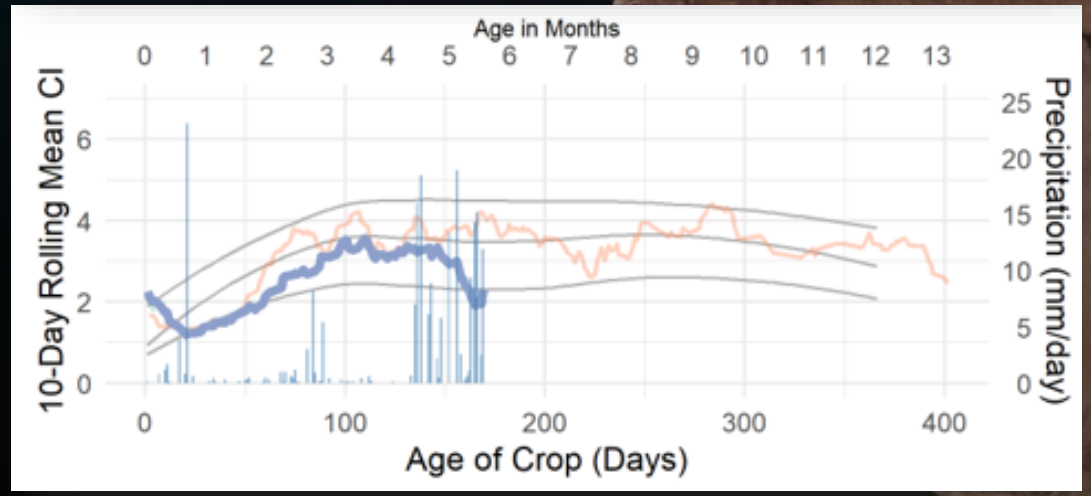

2025 June 10


2025 June 12


2025 June 13

Monitor large areas daily



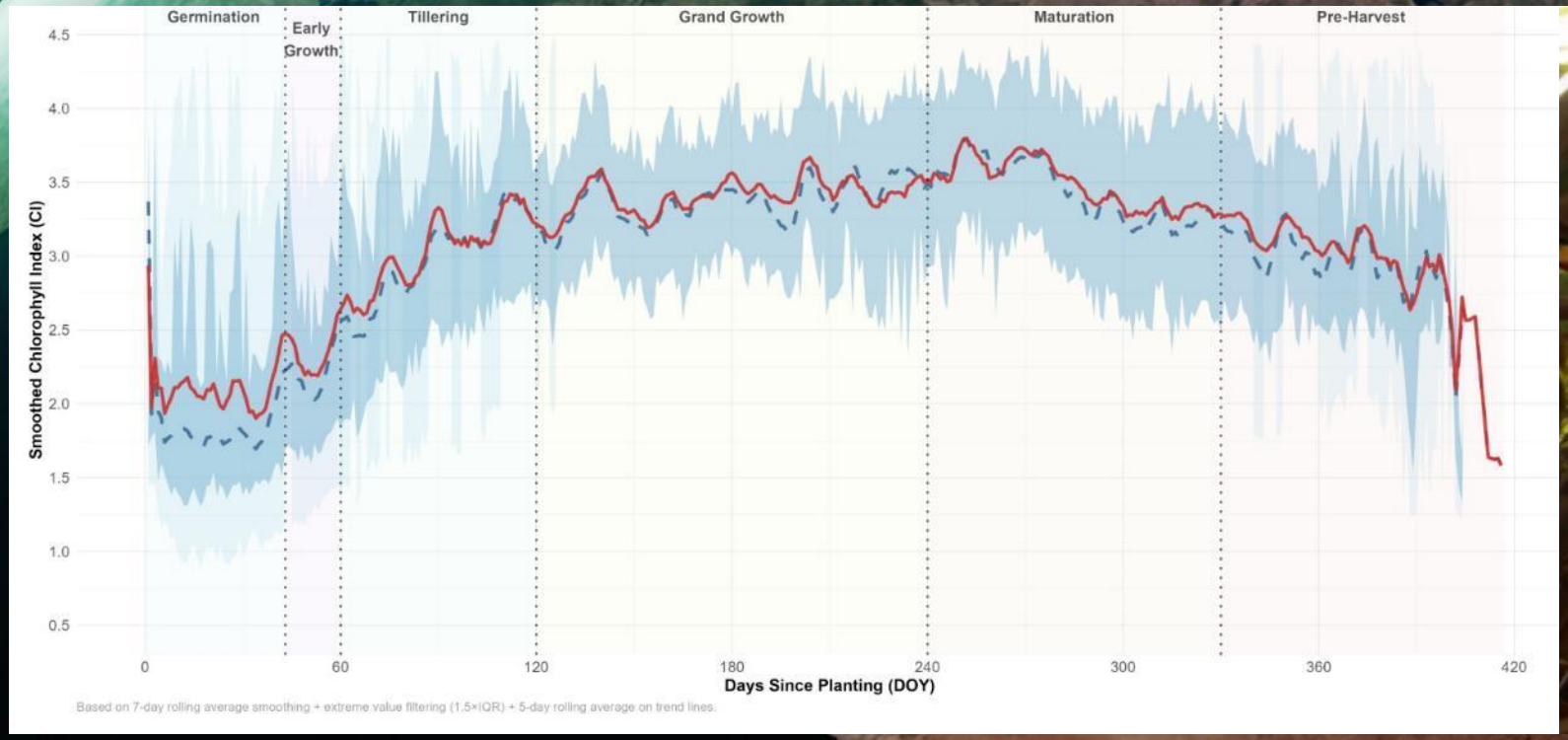


Take action,
Reduce damage impact

Drainage and Water ponding

Irrigation monitoring

Monitor all growth stages



From Data to Decisions

1. Satellite data captures field conditions
2. System analyzes crop health & growth
3. Teams receive weekly reports (WhatsApp, API, pdf)

A. Millers;
cane supply team

B. Growers;
agronomic support

C. Extension teams;
prioritising attention

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What users say:

Through the reports I'm doing timely weed removal and smut control but also planning well on where to gap fill

The weekly map meeting and subsequently visiting the addressed locations became part of my standard monitoring routine.

Identifying problematic areas significantly shortened intervention periods, offering the advantage of an extra set of eyes in every corner. It transformed from being just a tool to becoming an integral part of our operations.

Our clients report

- Increased yield (5-10%)
- Reduce field inspection time (30%)
- Improve harvest planning accuracy
- Strengthen trust with growers

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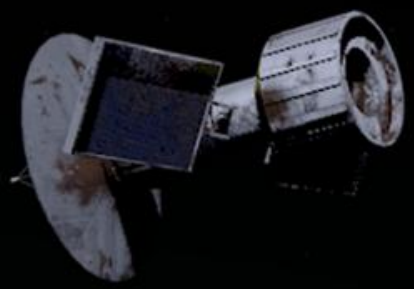
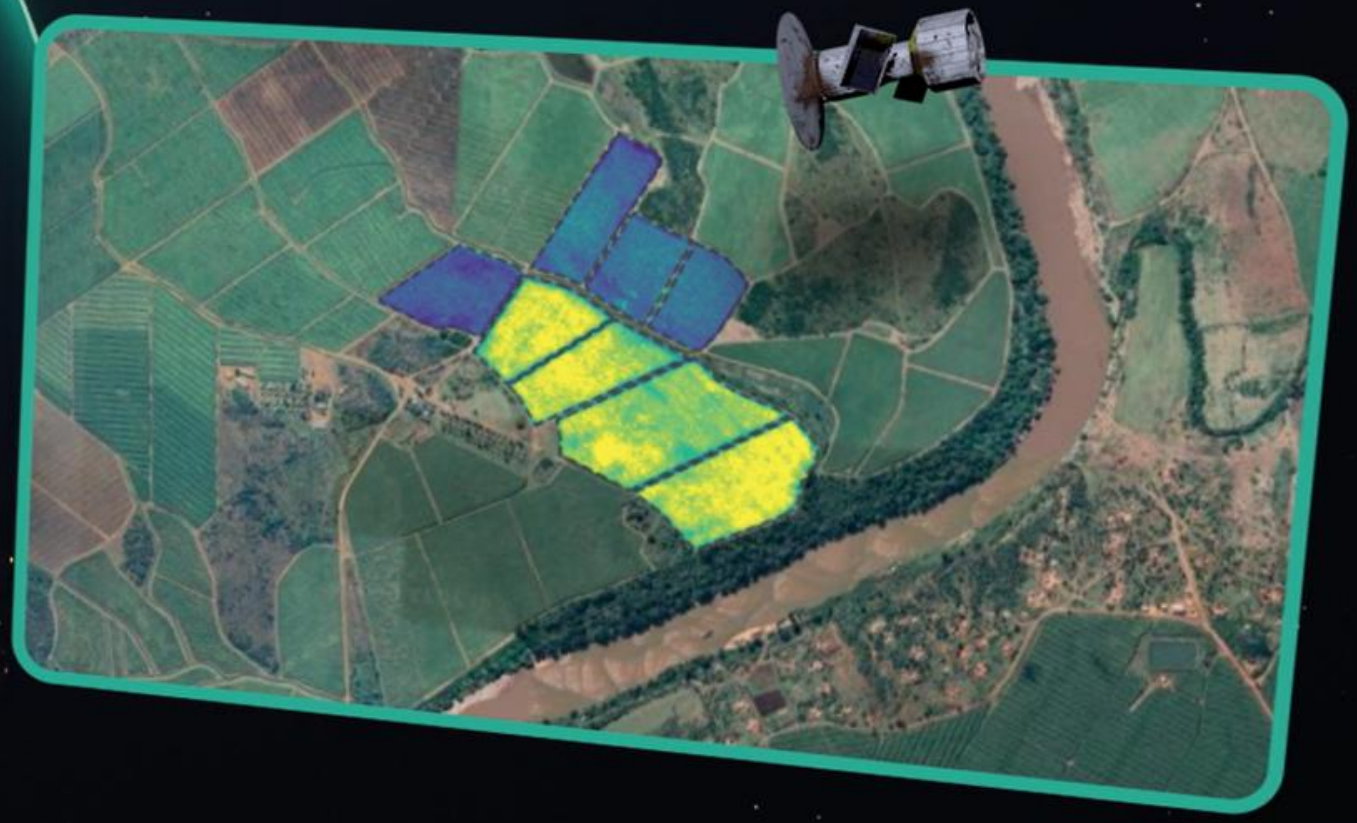
The future of sugar production is data-driven



- Higher productivity
- Stronger local supply
- Higher competetiveness

The question isn’t if this will happen, it’s who adopts it first.

Questions?



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From Guesswork to Data

How sugar producers can increase yield, reduce costs, and regain control