




Supporting Sugarcane Farmers





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



A satellite view of the African continent and Madagascar, showing the curvature of the Earth and the dark blue of the oceans. A satellite is visible in orbit to the right of Madagascar. The text is overlaid on the left side of the image.

Today

Remote sensing for smarter field operations

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

A satellite view of the African continent, showing its diverse terrain from lush green forests in the north to arid brown deserts in the south. The Red Sea and Indian Ocean are visible to the east. A satellite with a large parabolic dish is in orbit over the eastern part of the continent. The text "Sugar production in Africa is often fragmented and inefficient" is overlaid in white on the central part of the image.

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

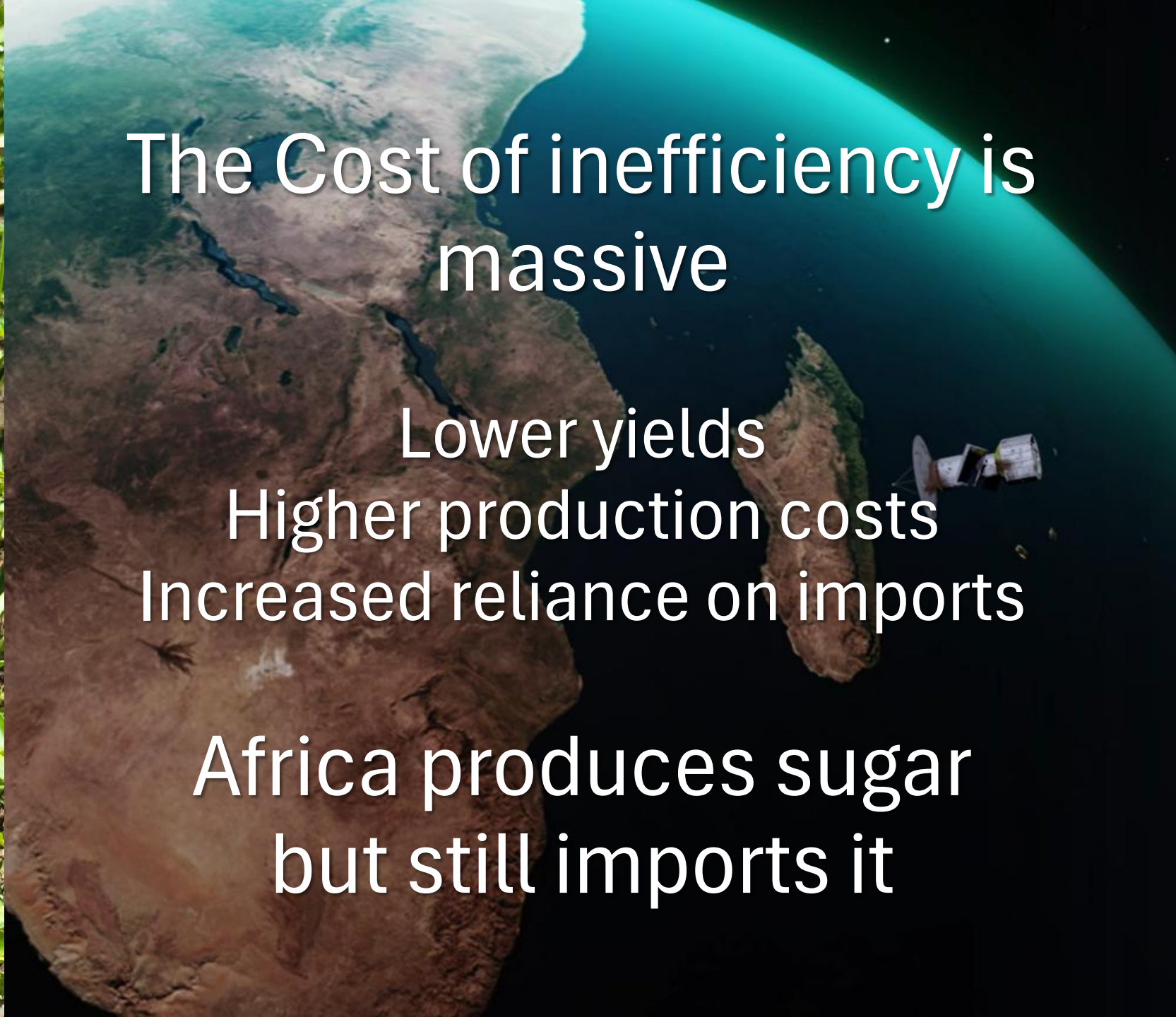


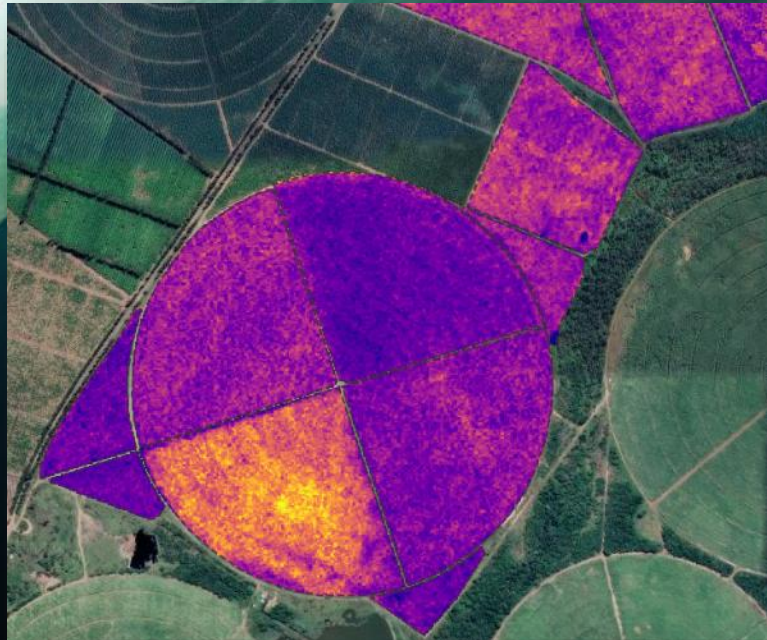


The Cost of inefficiency is massive

Lower yields
Higher production costs
Increased reliance on imports

Africa produces sugar
but still imports it





CI Change (Week-over-Week)

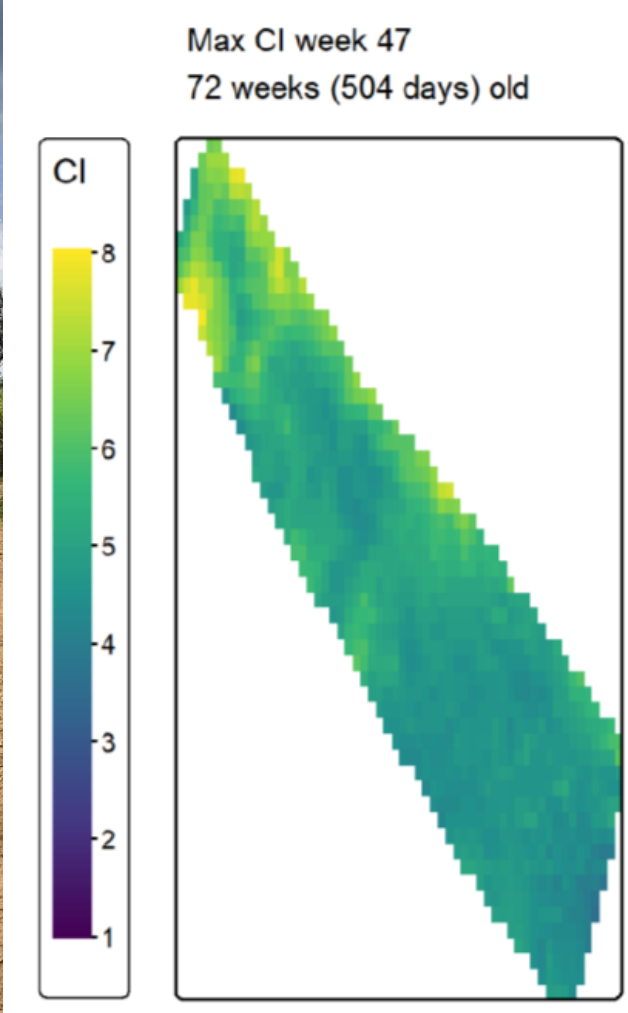
Week-to-week difference in Chlorophyll Index. Shows where fields are improving or declining.

Large Decrease Decrease Slight Change Increase Large Increase

What if decisions were driven by real-time data?

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

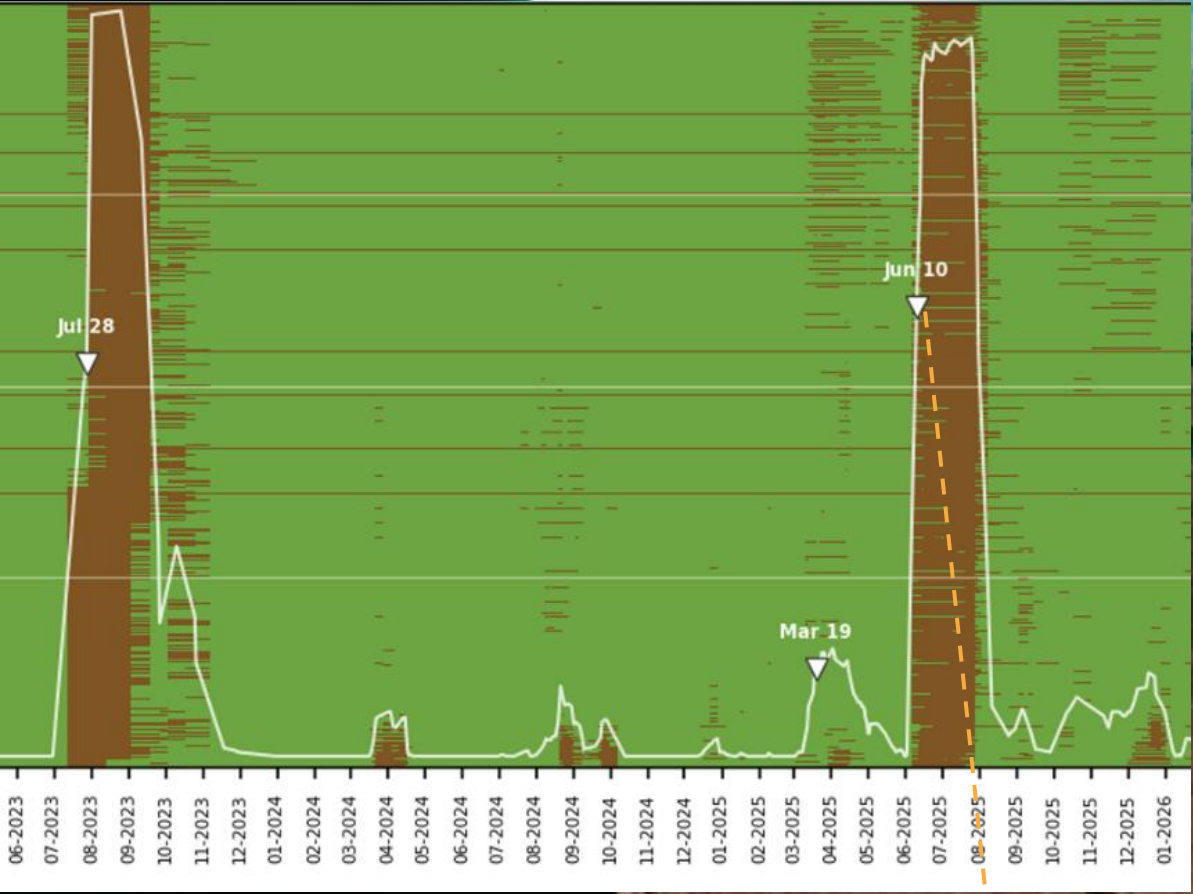
Remote sensing for field intelligence



Daily crop monitoring via satellite

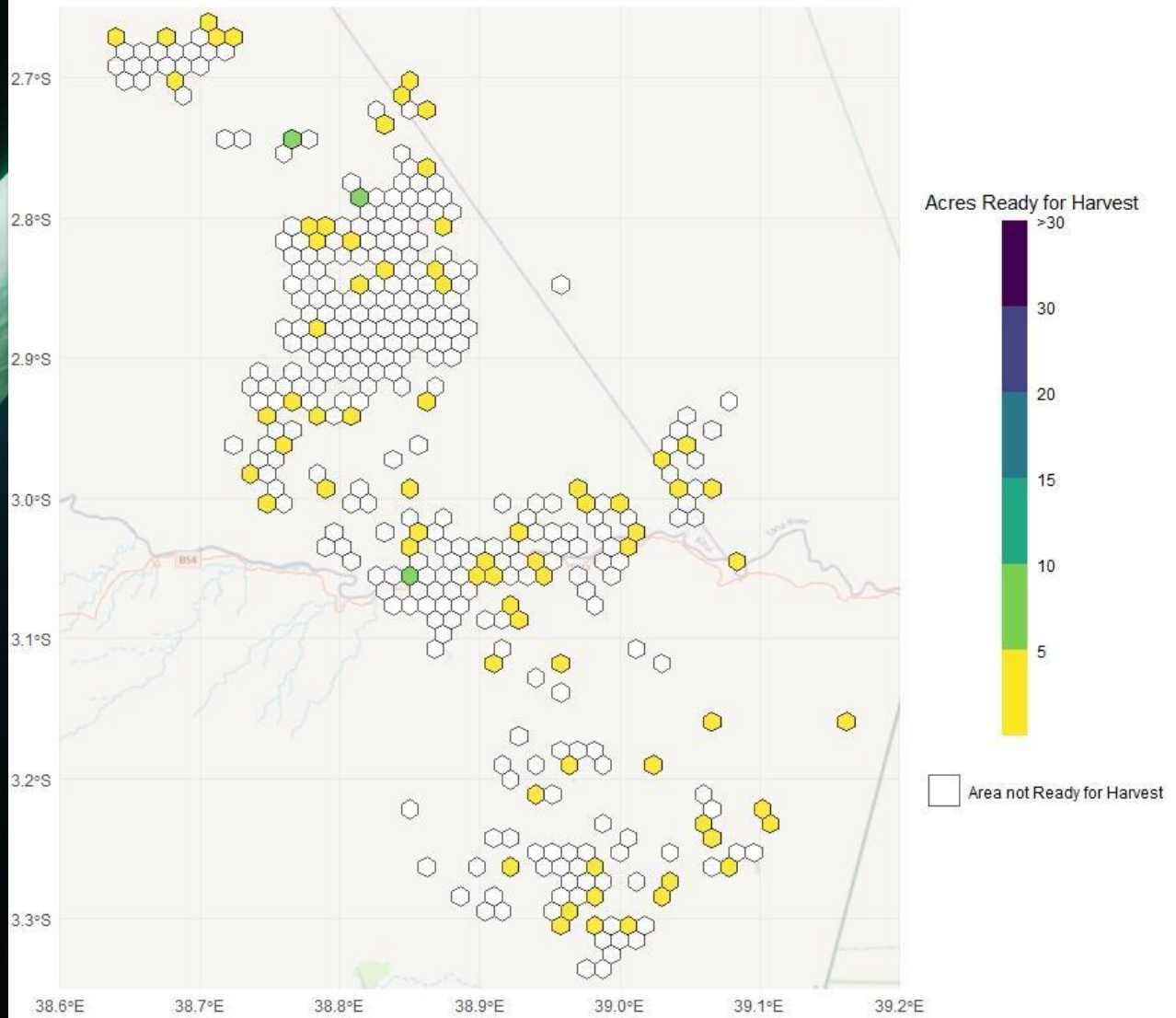


Technically detailed
field size 1.27 acres



Field Overview Map

Hexagonal aggregation showing harvest-ready fields by acreage



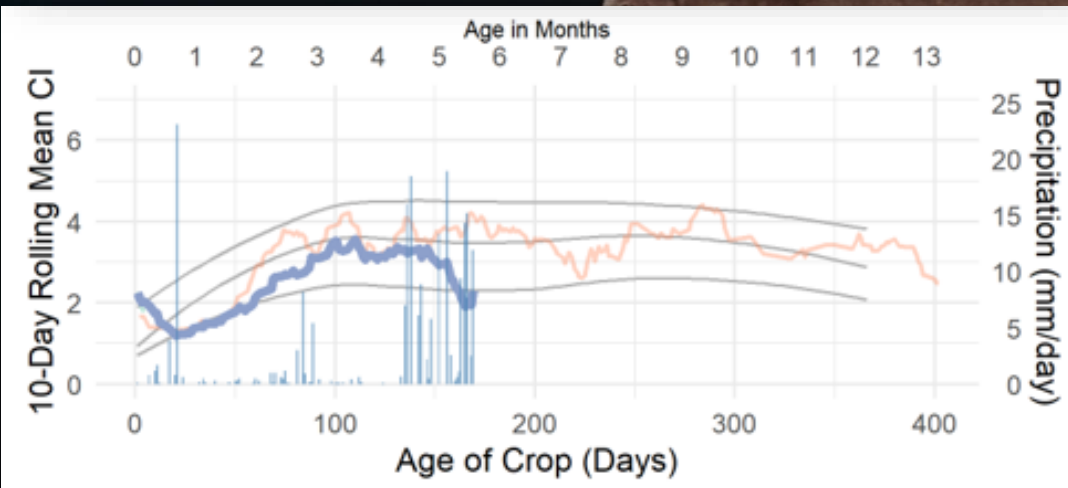
Monitor large areas daily



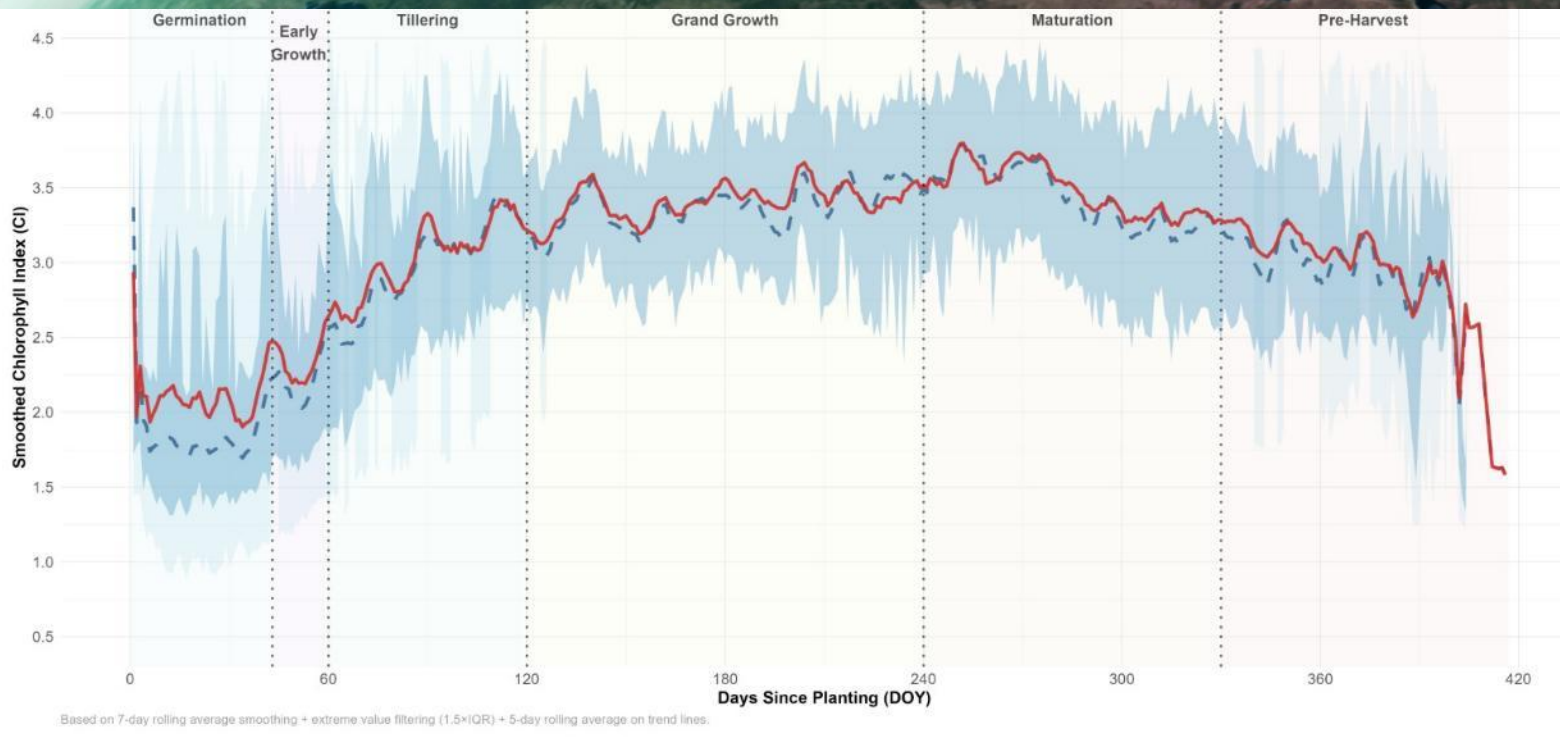


Take action,
Reduce damage impact

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



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.





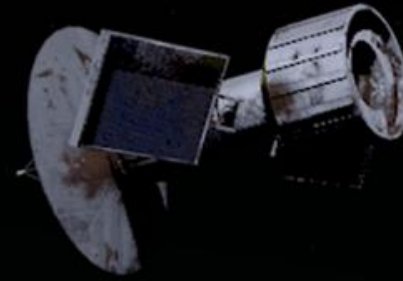
Our clients report

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



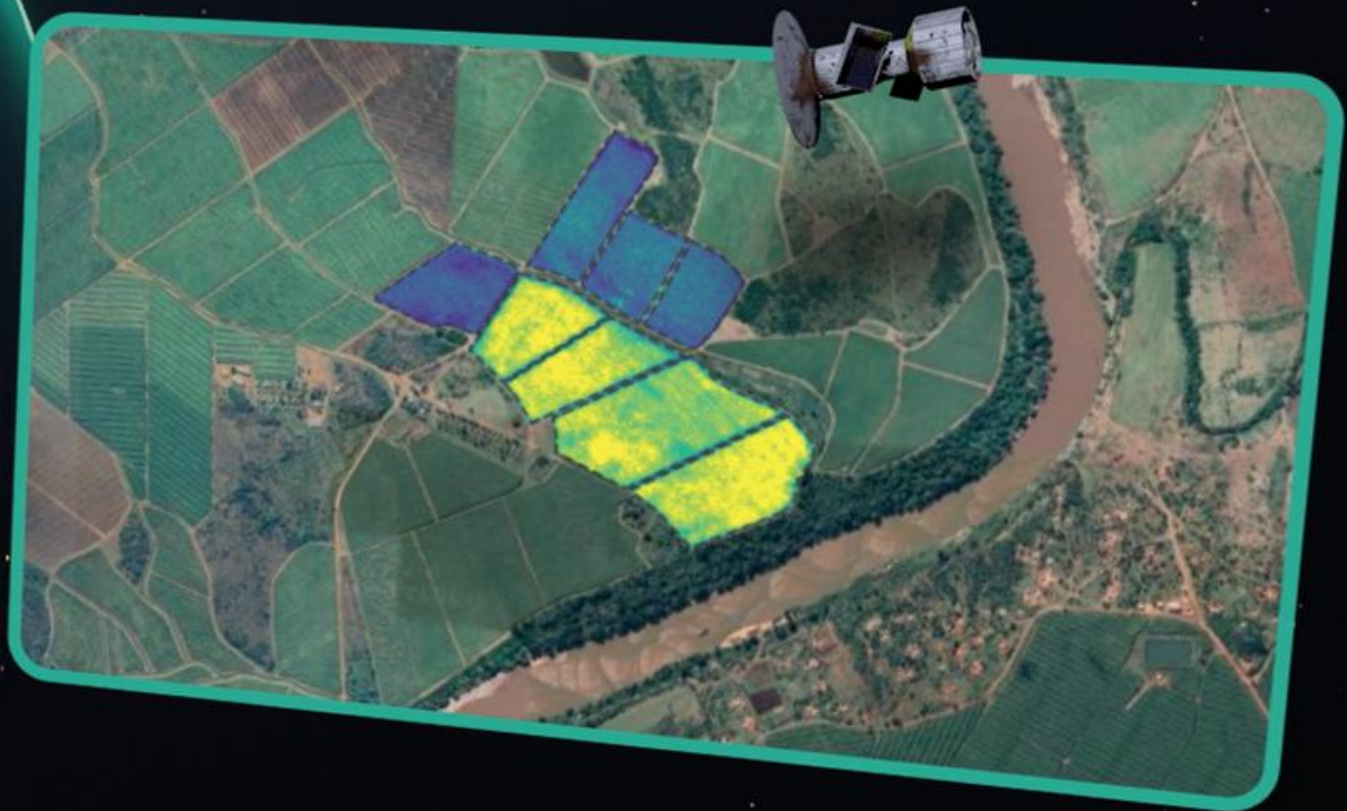
The future of sugar production is data-driven

- Higher productivity
- Stronger local supply
- Higher competitiveness



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

Questions?





From Guesswork to Data



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