



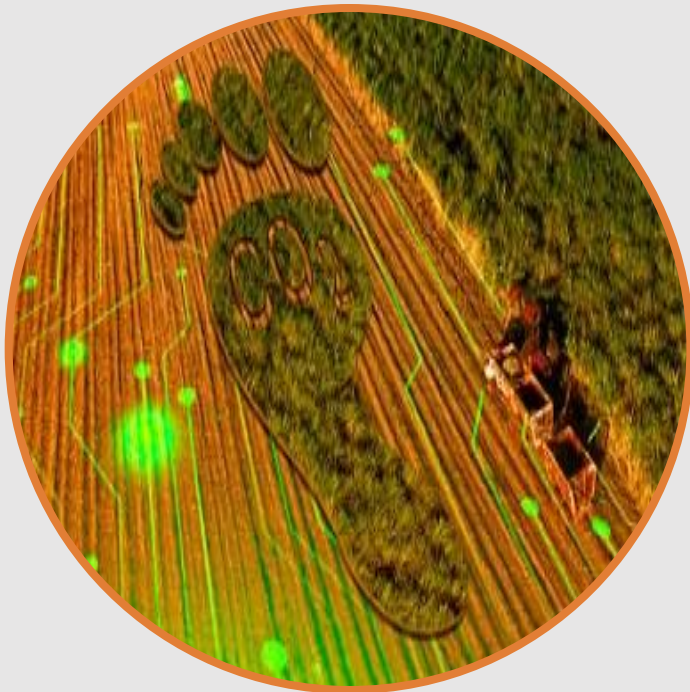
SPECIALIZING IN SUGARCANE

In the realm of sugarcane cultivation, our pioneering crop-specific models and AI-enhanced data analytics platform stand out, offering unparalleled benefits across the entire sugarcane value chain. By significantly improving operational efficiencies, boosting yields, and facilitating large-scale carbon sequestration, we're not just making promises—we're delivering tangible results. Our vision is to become the most trusted partner in agriculture, providing both profitable and environmentally responsible agronomic intelligence.



ACCELERATING THE SHIFT TO SUSTAINABLE PRODUCTION

In collaboration with our partners, NWNS is at the forefront of transitioning sugarcane production to smart and sustainable practices. This transformation is crucial for building resilience against the pressing challenges of climate change. Our commitment is underscored by the following exciting milestones:



THE CARBON SEQUESTRATION POTENTIAL

With a staggering 700 million Tons of CO₂ removal capability over the next decade, sugarcane emerges as a hero in sustainable agriculture. This potential is driving demand in the bio-economy and unlocking carbon market opportunities for growers worldwide.

A DECADE OF INNOVATION

Our AI platform has been rigorously tested with sugarcane for over ten years. This deep dive into the crop's unique requirements across global contexts gives us an unmatched edge.

TAKE CONTROL OF YOUR SUGARCANE FIELD AND OPTIMIZE YOUR HARVEST

Intelligence with speed and agility that allow you to react to any challenge and adapt weekly to achieve the best results.

Our core offering for growers is forecasting, which predicts crop development throughout the full vegetation cycle. This is essential for mills as it enables them to make key operational decisions including budget planning, harvesting, prevention of biological risks and fertilizer application; all of which is directly linked to sugar or ethanol production, the primary KPI.

Our strong focus on sugarcane means we understand this crop in-depth and can address the specific needs of the sugarcane value chain – from sugar growers, to sugar mills, to food and fuel companies.

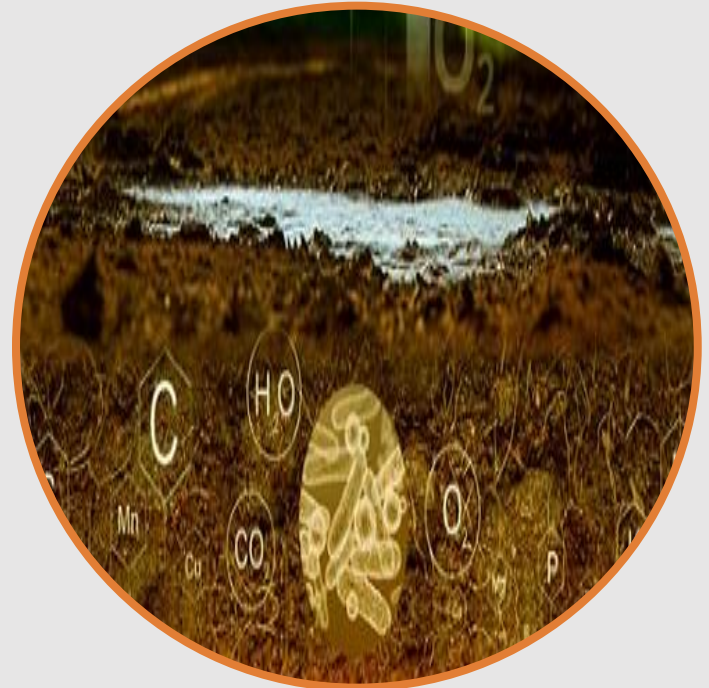
Our AI analytics platform is industry-leading and our agronomic models are crop-specific, not generic. They have been ground truthed in various sugarcane agronomic environments over several years.

CORRECT ESTIMATES AS YOUR HARVEST EVOLVES:

- ✓ Robust AI model for data processing
- ✓ Agronomic variables
- ✓ Climatic variables
- ✓ Correlation with vegetation indices
- ✓ Compare estimates between treatment areas
- ✓ Compare estimates with actual results

MAKE CHANGES, INCREASE PRODUCTION:

- ✓ Identify the optimal harvesting period / area
- ✓ Fine-tune harvesting sequencing any time
- ✓ Maximize production sugar, return or biomass
- ✓ Map out your priorities
- ✓ Coordinate with mill capacity/operations



TRACK THE PROJECTION OF YOUR HARVEST IN:

- ✓ Sugar yield and content
- ✓ Total cane / sugar expected for the harvest

FLOWERING AND ISOPORIZATION:

- ✓ Identify risk of flowering and isopORIZATION
- ✓ Monitor the operation of treated areas
- ✓ Anticipate high-risk areas through scenarios
- ✓ Develop a more accurate budget
- ✓ Adjust harvest timing
- ✓ Optimize production

MATURATION OPTIMIZATION:

- ✓ Identify highest potential to ripening agents
- ✓ Maintain high sugar content throughout
- ✓ Adjust field/operation accordingly
- ✓ Historically compare sugar yield potential
- ✓ Obtain results in thematic map format

MORE PRODUCTIVE SUSTAINABLE SUGARCANE FIELDS

VARIABLES THAT THREATEN THE PRODUCTIVITY OF THE PLANTATION UNDER CONTROL OF YOUR MILL

As AI continues to penetrate agriculture, we are leading this technological revolution, to drive growth and efficiency in the sugarcane sector worldwide. We train our AI to solve the mills' challenges and anticipate changes in:

- ✓ Flowering
- ✓ Climate Change
- ✓ Logistical Challenges
- ✓ Capacity Limitations
- ✓ Delays

Our data science models estimate biomass yields and sugar content at any point in time in the future, on a weekly basis.

With the right adjustments throughout the harvest progress, mills increase sugar yield and still ensure extra returns from programs of sustainable practices.

HOW IS IT POSSIBLE?

The AI-based prediction tool that uses satellite images, weather, and is trained on millions of hectares updates forecasts weekly based on all changes.



ARTIFICIAL INTELLIGENCE	SATELLITE IMAGE	AGRONOMIC MODELLING
4 million Ha Globally Analyzed	Information updated weekly	Specifically for Sugarcane

BASED ON 15+ HARVEST CYCLES	SUGAR YIELD 95% ACCURACY	SUGAR CONTENT 97% ACCURACY
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EXPERT GUIDANCE WITH YOU ALL THE WAY

We target technology, AI, remote sensing and agronomic modelling to the specificities of sugarcane production and processing.

Whatever your challenges we are always with you to find the most optimum solution.

OUR TECHNOLOGY YOUR ADVANTAGE

Our platform and analytic services distinguish itself with a focus on sugarcane, enabling us to offer specialized tools and insights for every stakeholder in the sugarcane value chain. Here's how we stand apart:

REMOTE SENSING

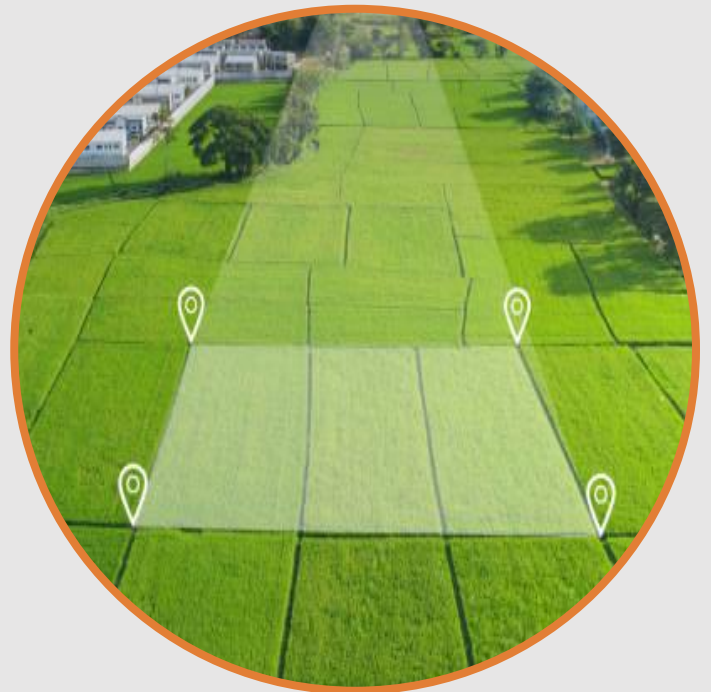
Our comprehensive imagery analysis, ranging from RGB to advanced hyperspectral imaging, underpins our predictive analytics, offering critical insights into crop health and management.

CROP MODELING

Grounded in extensive research, our models offer unmatched precision and accuracy, tailored to the unique dynamics of sugarcane cultivation.

ARTIFICIAL INTELLIGENCE

Our AI models leverage a broad spectrum of data such as soil type, crop varieties and agronomic cycles, setting a new standard for crop prediction and management.



TOWARDS PREDICTIVE AGRONOMY

Our integrated approach enables us to predict sugarcane development up to a year in advance, allowing for proactive management throughout the cultivation cycle. This capability not only enhances yield and sustainability but also opens new avenues in carbon trading. Furthermore, we constantly revise our predictions on a weekly basis, taking into account any changes that occur throughout the growing season.

With this, we are able to model and predict crop conditions throughout the full vegetation cycle, capturing all changes and factors that can impact the crop's growth and health. This comprehensive approach enables us to address multiple use cases and provide valuable insights for smart decisions regarding crop management throughout the entire cultivation season. Ultimately, all of this helps the sugarcane value chain to increase yields, adopt more sustainable agronomic practices, and unleash new opportunities in the carbon markets.

We bring home the benefits of AI precision technology in sugarcane production. But don't take our word for it. Test us. Let us run a POC for you. Obtain insights. Judge for yourself. You won't be disappointed.

TRUSTED BY LEADING NAMES

The technology and approach have earned the trust of industry giants such as Syngenta, Mahindra, Bayer, and Corteva Agriscience. This endorsement is a testament to our reliability, experience, and credibility.

ABOUT US

PIONEERS AT THE INTERSECTION OF AGRICULTURE & TECHNOLOGY

Our international team, consisting of dedicated scientists, technologists, and agronomists, is passionate about leveraging agriculture as a solution to climate change. With our roots deeply embedded in this complex and rewarding field, we've developed the industry's most advanced integrated technology platform for agronomic intelligence, paving the way for a sustainable future.

OUR CORE PRINCIPLES

RELIABILITY

Our on-the-ground data truth verification process spans over a decade, ensuring the accuracy and relevance of our insights.

PARTNERSHIP-ORIENTED

We are committed to delivering customized solutions that meet current challenges and unlock new opportunities, fostering strong and enduring relationships with our customers.



EXPERTISE AND CREDIBILITY

Built from the ground up, our crop-specific models are the result of extensive research and are tailored to address the unique challenges and opportunities in crop production.

INNOVATION FOR IMPACT

By tailoring AI, machine learning, and remote sensing to the nuances of tropical commodity crops, we instill confidence in our industry solutions, facilitating transformative change.