



Key Optimization Tools & Technologies for On-field Nurturing



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KOTTON is an innovative agricultural consultancy firm based in Eswatini. We aim to enhance the agricultural sector through sustainable practices, advanced technology integration, and efficient resource management. Our focus is on assisting farmers and agricultural businesses to operate sustainably while maximizing productivity and profitability.



Vision

To become the leading agricultural consultancy firm in Southern Africa, recognized for our commitment to sustainable agriculture, innovation, and capacity building for rural communities.

Mission

Our mission is to empower farmers and agricultural enterprises in Eswatini with sustainable solutions, cutting-edge technologies, and expert guidance to enhance productivity, promote environmental stewardship, and encourage community development.



Why Choose Us?

Cutting-Edge Technology

We integrate the latest technologies in precision farming, smart irrigation, drone monitoring, and farm management software to optimize your operations.

Results-Driven Approach

We continuously monitor and assess the effectiveness of our solutions, ensuring that they bring tangible improvements to your productivity, profitability, and sustainability.

Tailored Solutions

We believe that every farm and agricultural business is unique. That's why we offer customized solutions designed specifically to meet your needs.

Commitment to Sustainability

We are passionate about helping farmers transition to more sustainable practices that reduce environmental impact, conserve resources, and ensure long-term viability for future generations.



Our Services



Precision Drone Spraying

Our precision drone spraying service allows for targeted treatment across varied field topographies without damaging the crop or compacting the soil.

Key Benefits for Eswatini

Farmers:

- Accurate application in dense and hard-to-reach cane fields.
- Reduced chemical usage and drift, protecting neighboring fields and communities.

Farm Mapping & Survey

Understanding your land is key to smart sugarcane farming. Using high-resolution drone mapping, we produce georeferenced orthomaps, 3D terrain models, and elevation profiles to inform field planning and resource allocation.

Our Mapping Services Include:

- Accurate plot boundary demarcation to assist with land use, leases, and reporting.

Crop Monitoring

Our drone-based crop scouting uses multispectral and RGB imaging to detect hidden problems before they escalate.

What We Monitor:

- Stalk health and canopy development.
- Nutrient deficiencies and chlorosis detection via NDVI and other vegetation indices.





KOTTON provides cutting-edge GIS and remote sensing capabilities that empower clients to extract actionable insights from spatial data. Our expert team leverages advanced GIS software and remote sensing technologies to collect, analyze, and interpret data with precision delivering reliable, data-driven intelligence to support effective decision-making.

Our GIS and remote sensing services are customized to meet each client's unique needs, from soil type mapping and crop health monitoring to land use analysis. By harnessing the power of geospatial technologies, our clients can streamline operations, reduce costs, and enhance overall productivity.

In addition, KOTTON offers advanced drone and satellite data analytics services, utilizing machine learning algorithms and data mining techniques to process high-volume datasets from drones, satellites, and ground-based sensors.



Scale your operations bigger than ever with innovative technologies



Pioneering Sustainable Agricultural Solutions



Balancing innovation with ecological stewardship.



Inspiring Innovation, Cultivating the Future



Empowering farmers with precision-driven strategies, sustainable practices, and innovative tools designed to maximize productivity and efficiency.



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