

A PROFESSIONAL PHYTO-MAPPING MASTERCLASS FOR CROP MONITORING AND REMOTE SENSING PROFESSIONALS OR RESEARCHERS

PFA TRAINING CENTER

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**Now Your Crop Can Speak
with Our **Multispectral
Sensor Drones****

PHYTO-MAPPING COURSE FOR CROP MONITORING AND REMOTE SENSING



OVERVIEW

This course is for Agronomist, Farm Managers, Crop Physiologist, Ecologist, Forest Conservationist and Researchers looking at leveraging drones and sensors for vegetation monitoring and analysis

Drone and sensors are being utilized in agriculture in varieties of ways such as; Crop monitoring, Field analysis, Crop scouting, Irrigation planning & scheduling, Livestock and plant counting, Phenotyping, Crop Health assessment, Zonation maps, Prescription maps, variable rate application inputs to mention a few.

Precision Field Academy has developed this course to help plant scientists & professionals have a comprehensive grasp of drones and various sensor applications and deliverables in both theoretical & practical specific training to build their capacity to acquire quality field data, improve their decision making process in crop management or research.

This course will provide it audience the technical aspects of drone operations, drone-data collection, processing and analytics.

This agricultural drone course will provide participants with an introduction to the most valuable and relevant applications. Topics included will cover principles of drone flight operation (pre-flight, in-flight and post-flight), Introduction to drone sensors (especially Multispectral Drones). Vegetation indices for plant health. Processing and analysis of RGB and multispectral data. Application of artificial Intelligence (AI) in drone data analysis Applications in precision agriculture. Reporting and Decision making.

Note: This is a sector-specific training course and is not training for licensing

REVAMPING THE FUTURE OF WORKS

COURSE THEORY

This course explores the core applications of drones in agriculture, drone sensors classification and features, principles of remote sensing, focusing on vegetation analysis & inspection. You'll gain practical knowledge on using spectral data to assess vegetation health, generate reports, and create valuable insights for precision agriculture practices.

COURSE OBJECTIVES

- Understand the principles of multispectral sensors and data acquisition.
- Identify key vegetation indices used for plant health assessment.
- Learn to process and analyze multispectral data using specialized software.
- Generate reports and maps for informed decision-making in precision agriculture.

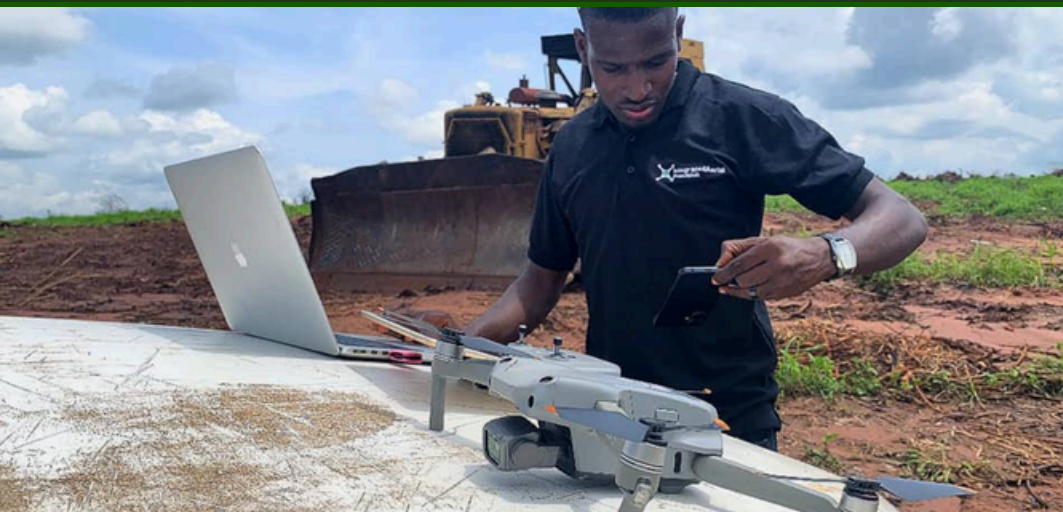
WHO CAN APPLY

Agronomist
Farm Managers
Crop Physiologist, Ecologist
Forest conversationist.
Precision Agriculture Specialists.
Environmental Scientists.
Drone Pilots interested in agriculture operation.

***NOTE: TRAINING SESSIONS CAN BE DONE IN A COMBINATION OF ONLINE AND PRACTICAL IN PERSON TRAINING. METHOD OF INSTRUCTION: ONE-ON-ONE OR GROUP TRAINING OF UP TO 3 PEOPLE. ATTENDEES CAN ALSO HAVE THEIR OWN DRONE FOR THE TRAINING.**

COURSE FEE: 500,000 NAIRA

COURSE DURATION: 1 WEEK LONG



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