

1st African Conference on Precision Agriculture



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1st African Conference on Precision Agriculture

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PRECISION AGRICULTURE *in ACTION for AFRICA*

LOCAL PRESENTATIONS/POSTERS & ON DEMAND CONTENT

CONFERENCE CHAIR:

Dr. Steve Phillips
s.phillips@apni.net

Ibadan, Nigeria

CONFERENCE SITE HOST:

Dr. Vincent Aduramigba-Modupe
vaduramigba@yahoo.com

CONFERENCE INFO:

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LOCAL PRESENTATIONS/POSTERS & ON DEMAND CONTENT

Welcome to the **1st African Conference on Precision Agriculture (AfCPA)**. Below are lists of oral and poster presentations originating from your conference site. The list of on demand presentations were selected to be recorded in advance. A selection of these recordings are listed on your local conference agenda, but all on demand video content is available to conference registrants from the website.

IBADAN ORAL PRESENTATIONS

Mapping of soil nutrients variability in some plantation crops in Abeokuta, Ogun State Nigeria. / **Ruth T Basil**

Evaluation of on –farm oil palm yield parameters in Niger Delta region of Nigeria / **Frank Ekhator**

Fertilizer Micro-dosing on Growth and Vegetative Yield of Fluted Pumpkin (*Telfairia occidentalis* Hook. f) / **Bamidele Amujoyegbe**

Mapping of micronutrients status in soils under multivarietal Citrus sinensis production for precision agriculture / **Bernard N Okafor**

Spatial variability and mapping of selected soil quality indicators for precision farming at a smallholding level in Minna, Nigeria / **Baba Abubakar Lawal**

Methodology for Assessing Nutrient Status of Nigeria Croplands: AfSIS/ NiSIS Pilot Project - Pathway for Precision Agriculture Mapping / **Vincent Aduramigba-Modupe**

Predicting in-Season Sorghum yield potential using Remote Sensing Approach: a case study of Kano in Sudan Savannah agro-ecological zone, Nigeria / **AbdulAzeez Tukur**

ON DEMAND CONTENT - RECORDED

Implementation of Proximal Soil Sensing, Data Fusion and Machine Learning to Improve Phosphorus Management at a Field Scale / **Abdelkrim Lachgar**

Nutrient management tailored to smallholder agriculture enhances productivity and sustainability / Pauline Chivenge / **Pauline Chivenge**

A precision irrigation app for smart water management by farmers / **Aziz Abouabdillah**

Monitoring irrigation water use at large scale irrigated areas using remote sensing in water scarce environment / **Mohamed Hakim Kharrou**

Mechanisation of smallholders in Zambia by agrodealer development / **Sven Peets**

A review on Sensor based robotics agriculture: Improving traditional Agriculture Practices / **Sachin C Karad**

LiDAR-based soybean crop segmentation for autonomous navigation / **Vitor A Higuti**

Estimating soil organic carbon from cell phone images / **Asim Biswas**

Cashew Trees Detection and Yield Analysis using UAV-based Map / **Thierry Roger Bayala**

Estimating greensnap yield damage with canopy reflectance: a case study / **Gabriel Dias Paiao**

Market Acceptance and Willingness to Pay for Drone Technology in the Application of Pesticide for the Control of Fall Armyworm / **Selorm Omega**

Spectral assessment of chickpea morpho-physiological traits from space, air and ground / **Ittai Herrmann**

Development of Canopy Mapping System of Asian pears (*Pyrus pyrifolia* Naka) Using Terrestrial Laser Scanning / **Jaehwan Lee**

Development of Lodging Direction Determination System Using Image Processing / **Yuta Arai**

Monitoring Corn (*Zea mays*) Yield using Sentinel-2 and Machine Learning for Precision Agriculture Applications / **Ahmed Kayad**

Excellence in Agronomy 2030: A new CGIAR-wide initiative to deliver agronomy solutions at scale / **Bernard Vanlauwe**

IBADAN POSTERS

Land degradaton risk assessment at a site in Afijio local government area of Oyo State, Nigerias / **Oluwabunmi A Denton**

Digital mapping of exchangeable cations in soils of southwestern Nigerias / **Oluwatosin E Awosiyen**

Nutrient Quality Studies of Fluted Pumpkin (*Telfairia Occidentalis* Hook. F) Leaves as Influence by Fertilizer Micro-dosing and Times / **Bamidele J Amujoyegbe**

Scaling Precision Agriculture in West Africa Smallholder Irrigation and Water Management Systems / **Adebayo O Oke**