

1st African Conference on Precision Agriculture



PRECISION AGRICULTURE *in ACTION for AFRICA*

GOLD SPONSOR



SILVER SPONSORS



BRONZE SPONSOR



SATELLITE SITES:

Ouagadougou, Burkina Faso • Yamoussoukro, Cote d'Ivoire • Cairo, Egypt
Adama, Ethiopia • Cape Coast, Ghana • Nairobi, Kenya • Kenitra, Morocco
Ibadan, Nigeria • Dakar, Senegal • Tanga, Tanzania • Lomé, Togo
Tunis, Tunisia • Lusaka, Zambia • Harare, Zimbabwe

1st African Conference on Precision Agriculture

8-10 | December | 2020



PRECISION AGRICULTURE *in ACTION for AFRICA*

LOCAL PRESENTATIONS/POSTERS & ON DEMAND CONTENT

CONFERENCE CHAIR:

Dr. Steve Phillips
s.phillips@apni.net

Lomé, Togo

CONFERENCE SITE HOST:

Jean Sogbedji
mianikpo@yahoo.com

CONFERENCE INFO:

paafrica.org | #AfCPA2020



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.

LOMÉ ORAL PRESENTATIONS

Maximisation de l'efficience d'utilisation de l'azote par la tomate (*Solanum lycopersicum* L.) sur les ferrasols au Sud du Togo / **Mouhamadou Lare**

Tomato yield and economic performance under organic and mineral fertilizer applications in coastal Togo / **Jean M Sogbedji**

La fertilité indigène du sol : un élément catalyseur de l'agriculture de précision / **Komlan Laurent William**

détermination du bilan minéral partiel des exploitations agricoles à base du coton à l'aide du modèle NUTMON / **Komlan Akantetou**

Gestion strategique des nutriments pour l'amélioration du rendement et de la profitabilité économique du gombo (*Abelmoschus esculentus* L.) Sur les sols ferrallitiques au Sud Togo / **Kossi Kotchadjo**

Soil fertility mapping of Dry savannah zone of Togo / **Komla K Ganyo**

Determining Nutrients rates for Maize, Rice, Cotton, and Tomato in Dry Savannah zone of Togo based on site specific nutrient management approach / **Kossi Koudjega**

Performance agronomique et économique de différentes stratégies de gestion de la fertilité du sol sous culture de soja (*Glycine max* L. Merrill) dans la zone littorale du Togo. / **Kokouvi M Amouzouvi**

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**