

# 1st African Conference on Precision Agriculture



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# 1st African Conference on Precision Agriculture

8-10 | December | 2020



**PRECISION AGRICULTURE** *in ACTION for AFRICA*

**LOCAL PRESENTATIONS/POSTERS & ON DEMAND CONTENT**

**Yamoussoukro, Cote d'Ivoire**

**CONFERENCE CHAIR:**

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**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.

## YAMOUSOUKRO ORAL PRESENTATIONS

Assessment of the agronomic effectiveness of different phosphate amendment-based of Morocco phosphate rock (PR) and water soluble triple superphosphate (TSP) fertilizer on rice lowland yield in acids soils of West Africa Humid Zone / **A.J. Bongoua-Devisme**

The AgroCard-Côte d'Ivoire project / **Nicole Apling**

Caractérisation architecturale pour la prédiction du potentiel de production des têtes de clones de Coffea Caenophora pierre ex a. froehner / **Henri Kouassi**

Changes in climatic factors lead to the change in cultural wedging of rice in the Ivorian pre-forest zone / **Casimir Brou**

Les engrais minéraux issus du diagnostic sol améliorent la fertilité chimique et la production cacaoyère à l'Est, au Centre-Sud et au Sud-Ouest de la Côte d'Ivoire / **Acka Kotaix**

Cartographie interactive des exploitations de noix de cajou des producteurs de la coopérative COPRODIGO de Gohitafla / **Siaka Koné**

## 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**