1st African Conference on Precision Agriculture
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PRECISION AGRICULTURE in ACTION for AFRICA

1st African Conference on Precision Agriculture

AfCPA 2020

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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.

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

**ADAMA ORAL PRESENTATIONS**

Sensor Based In-Season Nitrogen Determination for Quality Protein Maize on Farmers Field Western Ethiopia / Tolera Abera

Climate Smart Agriculture: Constraints, Challenges and Opportunities to Promote the System in Ethiopia / Getachew Agegnehu

Application of Information & Communication Technologies (ICTs) into Precision Farming Ecosystem in Ethiopian Digital Agriculture Development Perspective Plan / Tadesse Anberbir

The roles of key public services on the adoption of climate-smart agricultural technologies in coffee-based farming system of Ethiopia / Samuel Diro

Spatial soil loss risk assessment for proper intervention: a case of Neri watershed in Omo Gibe basin, Southwestern Ethiopia / Abebe Hegano

Geo-statistical Prediction of Spatial Distribution of Salt-affected Soils of Meki-Zeway agricultural areas: Actionable baseline information for practical implementation of precision agriculture in similar salinity/sodicity prone areas in Ethiopia / Melese Minaleshoa

Soil fertility characterization and mapping for Adigudem plain, Northern Ethiopia / Gebremedhin Berhe

Using Decision Support Tool for Site Specific Nutrient Management in Maize Production in Ethiopia: The case of Nutrient Expert / Tesfaye Balemi

**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 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