



*Virtual poster presentations will be posted on the AgMIP9 website.*

<b>Lead Author</b>	<b>Abstract</b>
Bing Liu	Improving the wheat crop models under extreme low-temperature stress at jointing and booting stages
Cheikh Modou Noreyni Fall <i>(Virtual)</i>	Evolution of extreme Agroclimatic Indicators in Senegal Using CMIP6 Simulations
Chenzhi Wang	Emergent constraint on crop yield response to warmer temperature from field experiments
David Helman	WheatDryFACE: Scaling up from leaf to canopy and the field the interactive drought–CO2 effects on wheat in a dryland FACE setting with remote sensing and a numerical model
Diego Noleto Luz Pequeno	Simulating IWIN historical phenological data with the DSSAT wheat models
Diego Noleto Luz Pequeno	Production vulnerability to wheat blast disease under climate change
Diego Noleto Luz Pequeno	Modeling automated mow features in the CROPGRO Perennial Forage Model
Fekremariam Asargew Mihretie <i>(Virtual)</i>	Water stress changes the relationship between photosynthesis and stomatal conductance in rice
Francisco Meza	Modeling phenology combining Data Assimilation techniques and Bioclimatic Indices in a Cabernet Sauvignon vineyard ( <i>Vitis vinifera</i> L.) in Central Chile
Jacques Fils Pierre	Development of a cereal–legume intercrop Model for DSSAT Version 4.8
Kaela Lucke	Agroclimatic Seasonal Constraints by 2100 Around the World and in North Dakota
Liang Tang	Modeling on rice growth and development under short-term heat stress
Liya Zhao	A novel machine learning-based method for quantifying parameter uncertainty of crop growth models
Luca Corinzia	BreedGym: A reinforcement learning environment for plant breeding programs optimization

<b><i>Lead Author</i></b>	<b><i>Abstract</i></b>
Maforikan Ella Sèdé <i>(Virtual)</i>	Seasonal cover mapping in the Oueme-Beterou catchment using a machine learning algorithm on the google earth engine cloud-based platform.
Mahjabeen Rahman	Sensitivity of Crops to Ultraviolet Radiation from Stratospheric Aerosol Intervention
Mariely Lopes dos Santos	High uncertainty in soybean models for simulation of crop N dynamics under variable CO <sub>2</sub> , precipitation, and Nitrogen fertilization
Matteo Turchetta	Discovering optimal and feasible nitrogen management policies with reinforcement learning
Michiel Kallenberg	Optimizing Nitrogen Management in Winter Wheat: A Reinforcement Learning Approach with Crop Growth Models
Min Kang	Simulating the effects of low-temperature stress during flowering stage on leaf-level photosynthesis with current rice models
Mouiz W. I. A. Yessoufou <i>(Virtual)</i>	Modelling long-term effect of combined hill-placed manure and chemical fertilizer on maize yield, water- and N- use efficiencies in Sudan Savanna of West Africa
Muhammad Zeeshan Mehmood	Calibration and Validation of DSSAT Models Ensemble for Winter Wheat in Oklahoma
Ron van Bree	Biology-inspired machine learning for cherry blossom day-of-year prediction
Samuel Buis <i>(Virtual)</i>	CroptimizR and CroPlotR: generic R packages for parameter estimation and evaluation of Crop Models
Seyedreza Amiri <i>(Virtual)</i>	Parameterization of APSIM mungbean model for different water-management options in semi-arid conditions
Walid Ouaret	Cropland Estimation in Algeria
Ward Smith	Impacts of climate change on soybean growth and potential expansion in Canada
Willingthon Pavan	N-ALLyzer: From Nitrogen to ALL other nutrients
Willingthon Pavan	GSSAT2: A Next-Generation Decision Support Tool for Precision Agriculture and Spatial Crop Modeling