



European Project n° 613817

2nd Annual Meeting

Assessment of CropSyst Modelling solution under extreme event for maize in South Africa

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WP Objective

Overall objective of the WP

Testing the existing and modified CropSyst under extreme events with maize in South Africa









Results

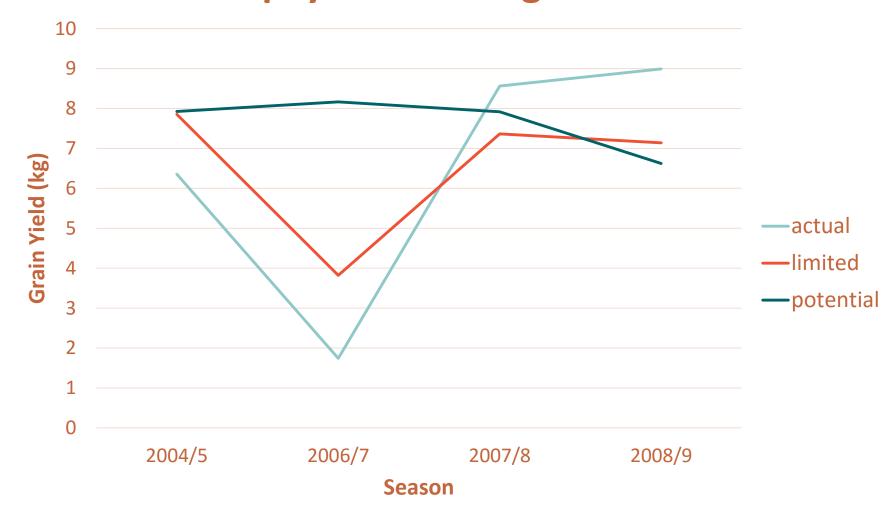








Grain yield of maize in Existing CropSyst modelling solution

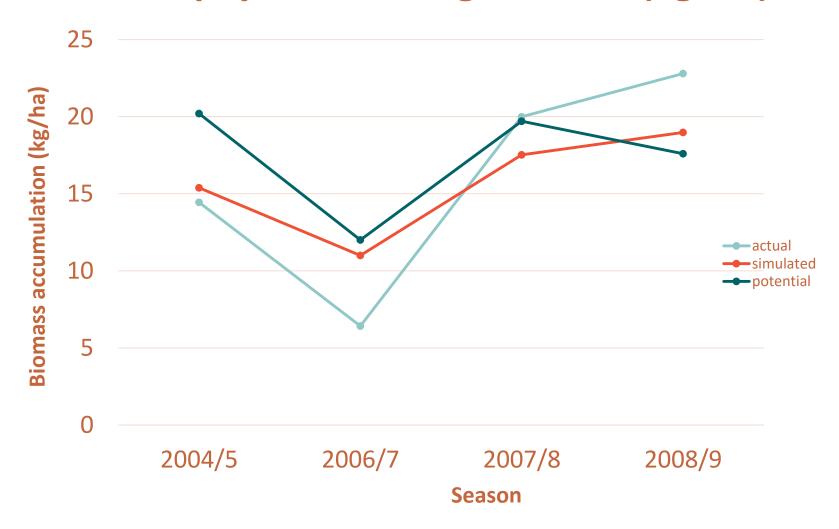








Biomass accumulation in existing CropSyst Modelling solution (kg/ha)











Grain yield of maize in Modified CropSyst modelling solution (kg/ha)









Biomass accumulation in Modified CropSyst solution (kg/ha)











Problems

- > What problems were encountered, if any?
- The water balance is not well represented for both existing and modified CropSyst modelling solutions
- II. Could not use statistical methods using BioMa because the Integrated Multi-metrics Model Analyzer (IMMA has not been installed









Problems

- ➤ Calibration process Little changes observed after making use of the important parameters cited in the SA namely
- l. Topt
- II. SLP
- III. RUE
- IV. SLA
- V. K









Acknowledgement

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