

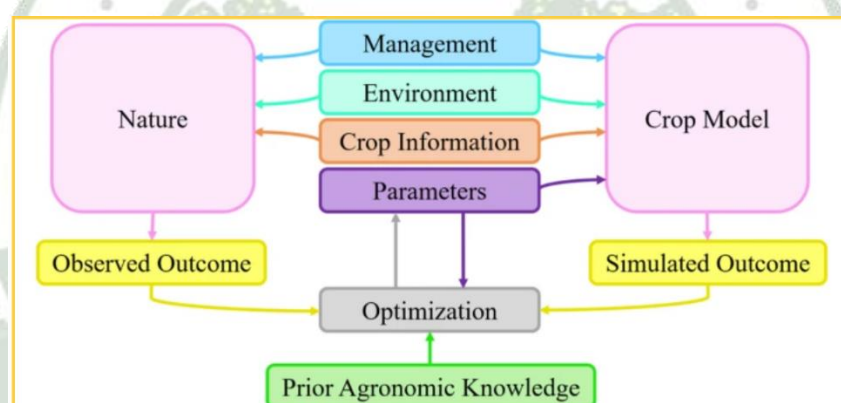
Role of Crop Modelling in Agriculture

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Introduction

Crop Model is used to predict the growth, development and yield of the crops. Prediction of harvest timing and yield is two most important aspects for the crop model. Crop models are also used for decision making of crop management and fertilizer management.



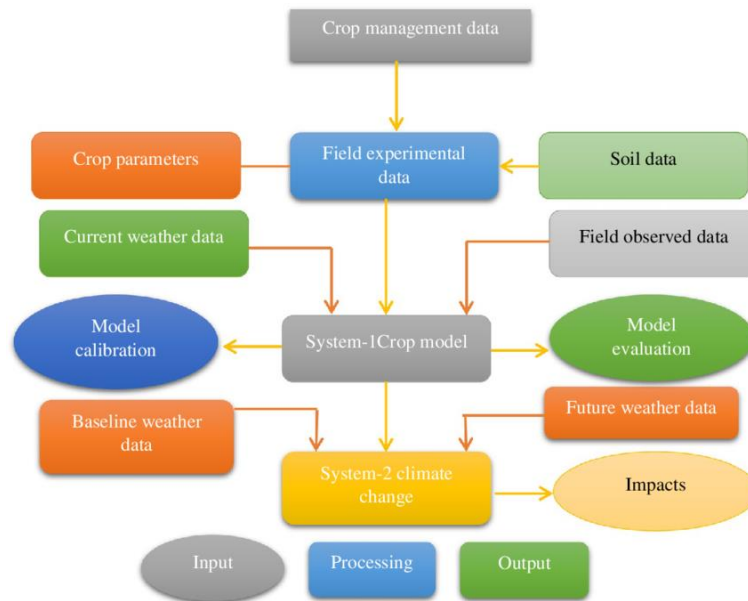
Different types of crop model

Different types of crop models include

- Economic model
- Weather model
- Statistical model
- Mathematical model



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Models in Agriculture

- The de Wit School of model
- IBSNAT
- DSSAT
- APSIM
- WOFOST
- CROPINFO



Input data for crop model

Different input data is needed for effective functioning of the crop model. As the crop model generate accurate yield prediction, so that accurate input data is most vital for the processing. Different input data used in crop model are described below

- Site data



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- Weather data
- Crop growth
- Water balance
- Soil data
- Chemical data
- Soil management data

