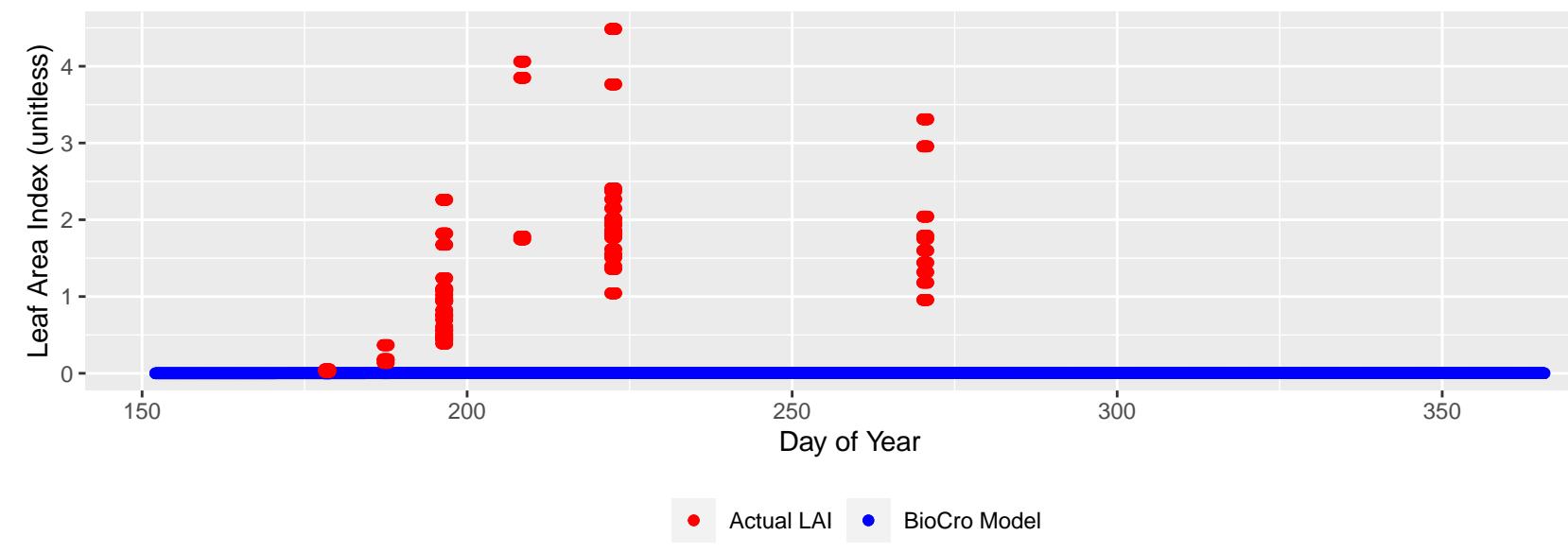


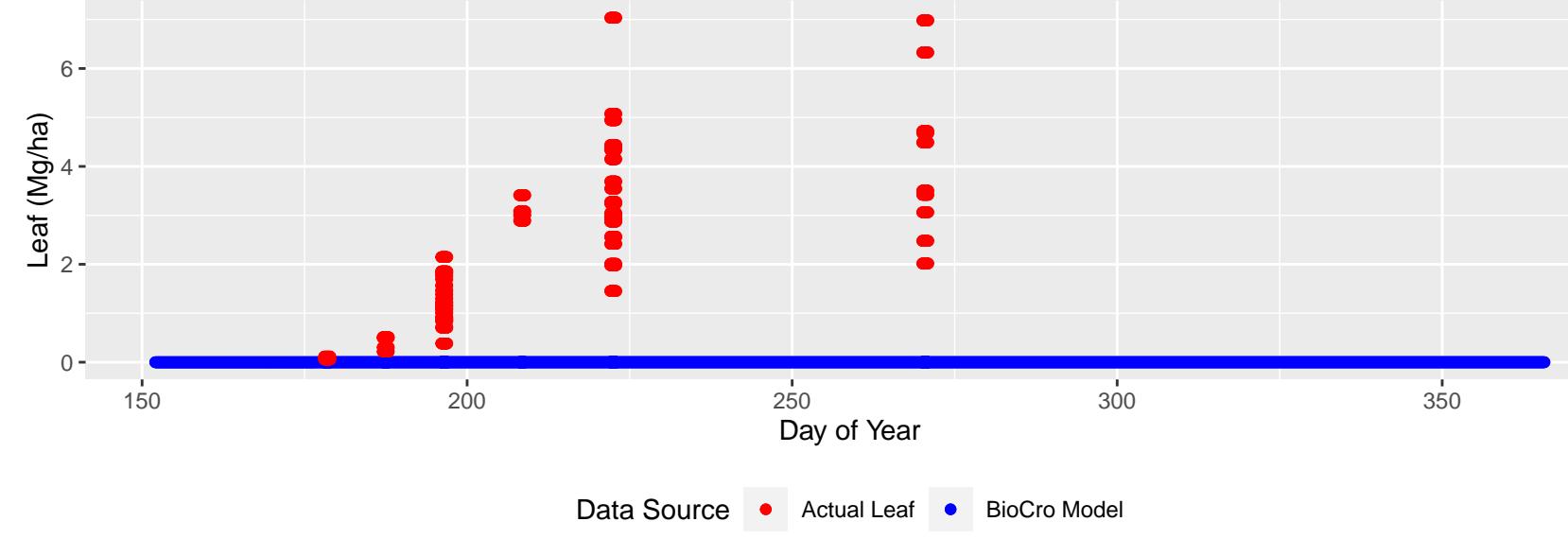
### Sorghum Model Leaf Area Index vs. Actual Data

2017 default parameters



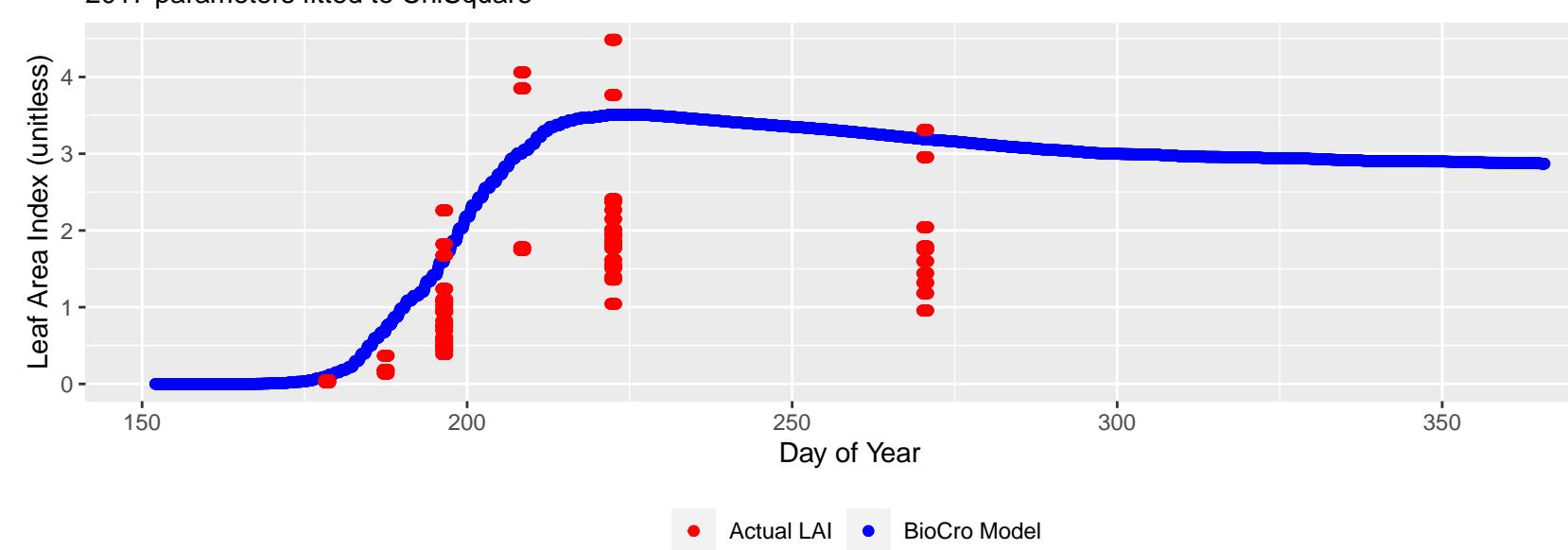
### Sorghum Model Leaf vs. Actual Data

2017 default parameters



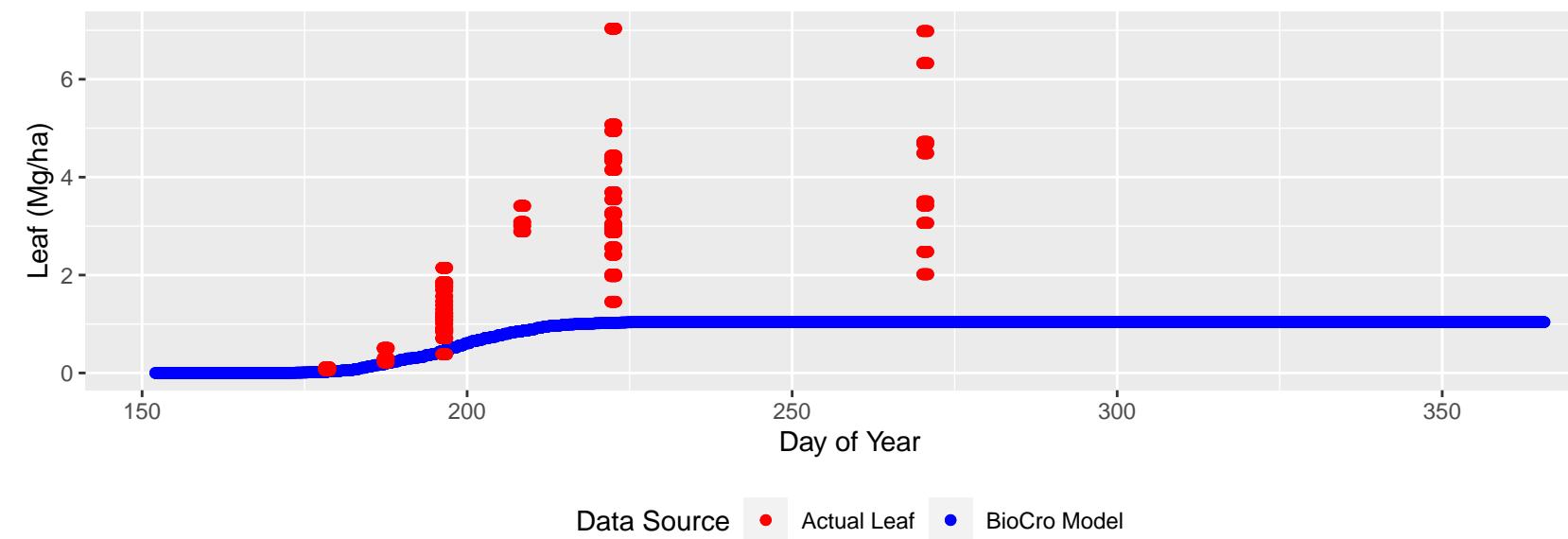
### Sorghum Model Leaf Area Index vs. Actual Data

2017 parameters fitted to ChiSquare



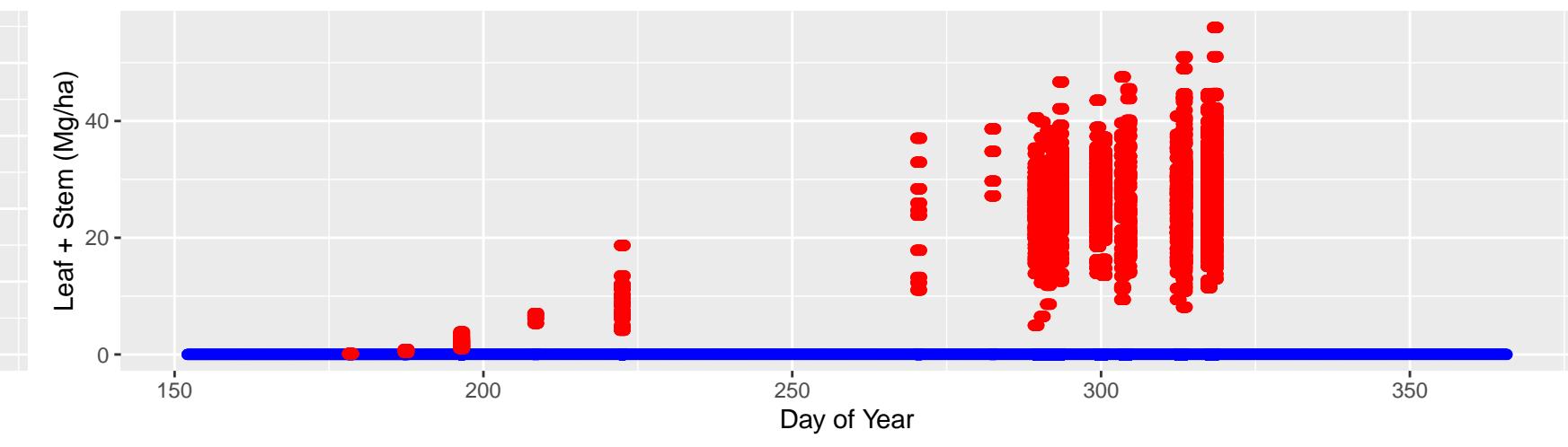
### Sorghum Model Leaf vs. Actual Data

2017 parameters fitted to ChiSquare



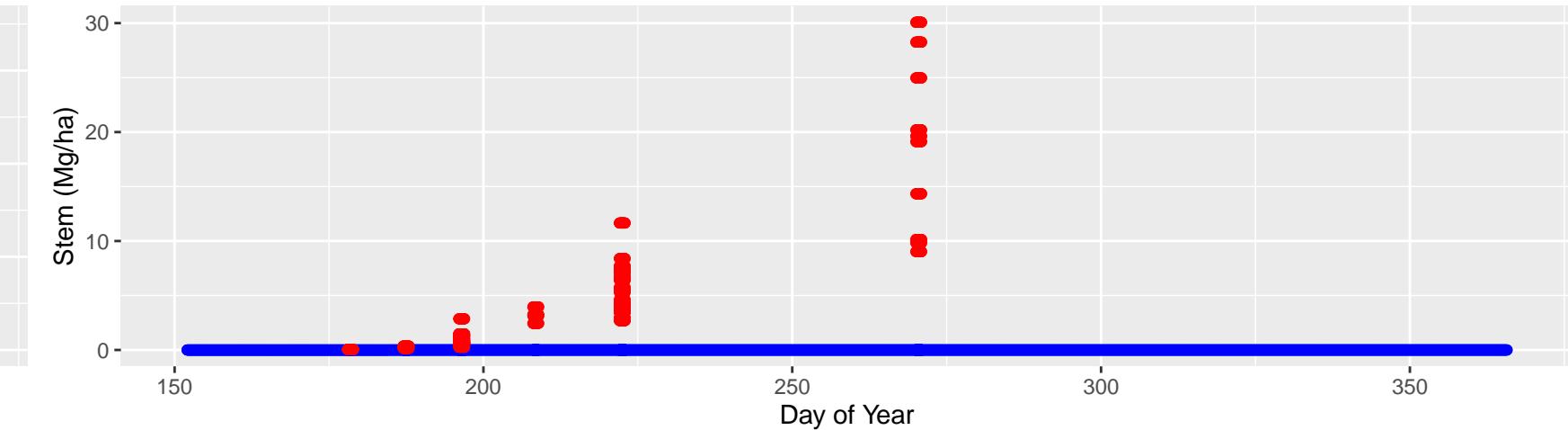
### Sorghum Model Yield vs. Actual Data

2017 default parameters



### Sorghum Model Stem vs. Actual Data

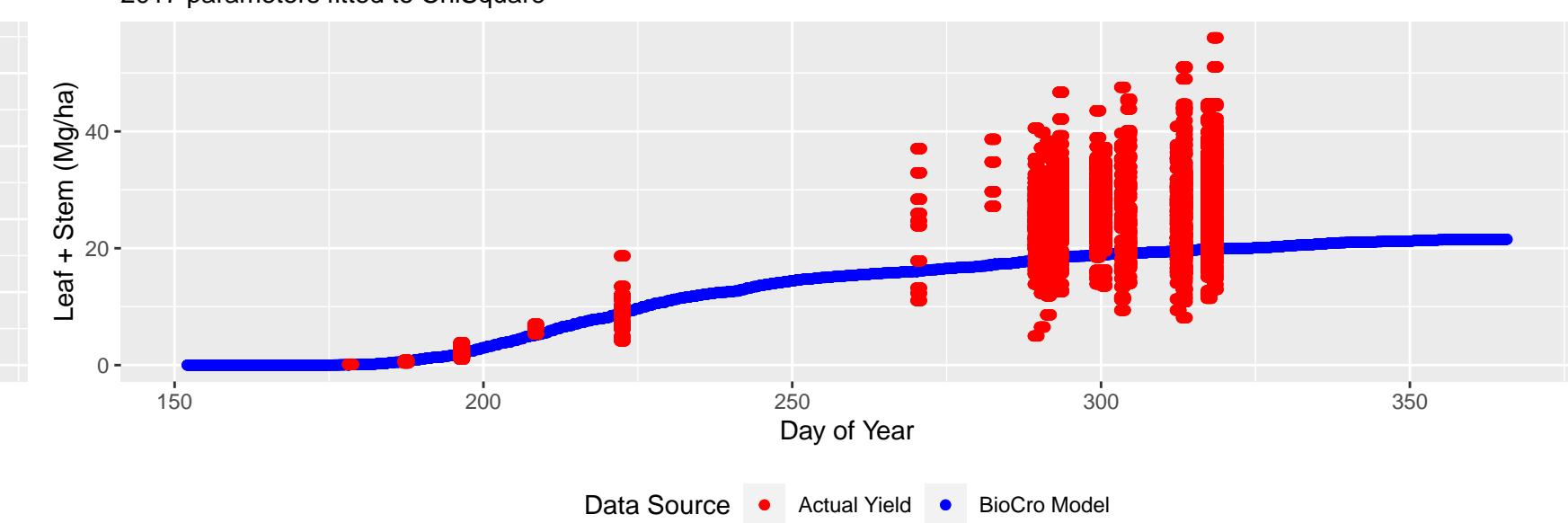
2017 default parameters



Statistics for Leaf Area, Leaf, Stem (combined) RMSE: 25.4 MAE: 23.54 MAPE: 104.16 ChiSquare: 31949.92

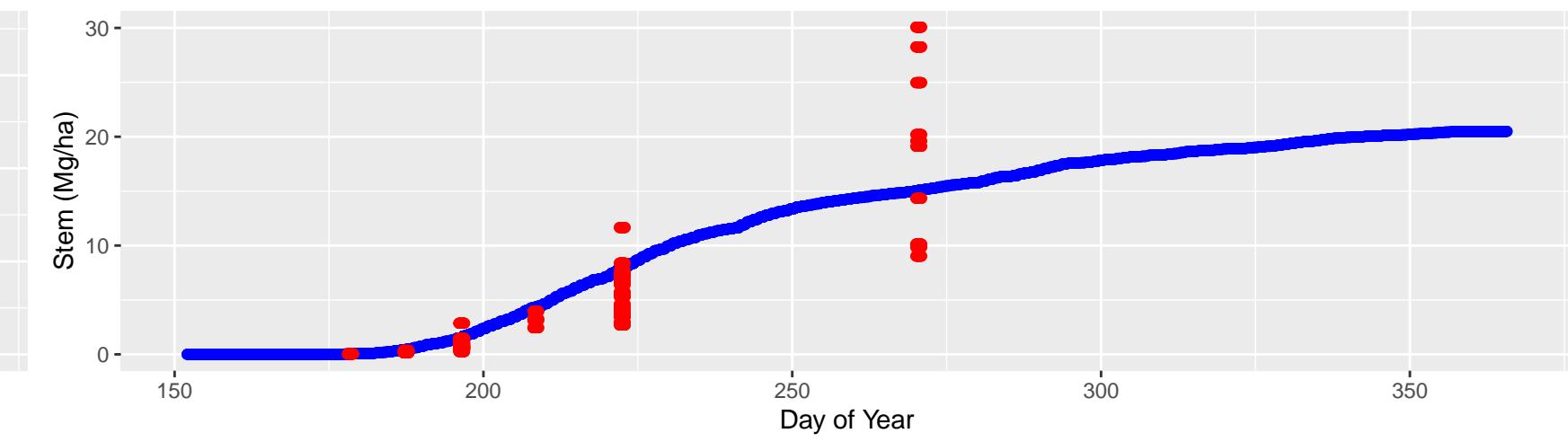
### Sorghum Model Yield vs. Actual Data

2017 parameters fitted to ChiSquare



### Sorghum Model Stem vs. Actual Data

2017 parameters fitted to ChiSquare



Statistics for Leaf Area, Leaf, Stem (combined) RMSE: 9.19 MAE: 7.33 MAPE: 36.53 ChiSquare: 4949.48

Data Source ● Actual LAI ● BioCro Model

Data Source ● Actual Yield ● BioCro Model