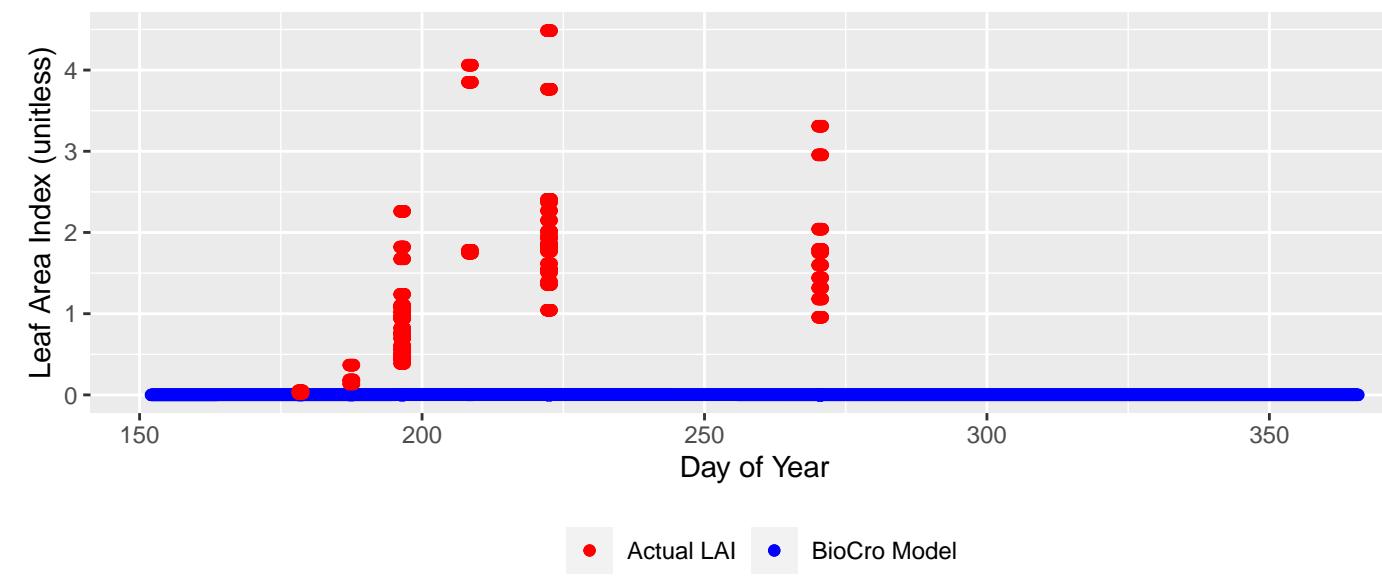


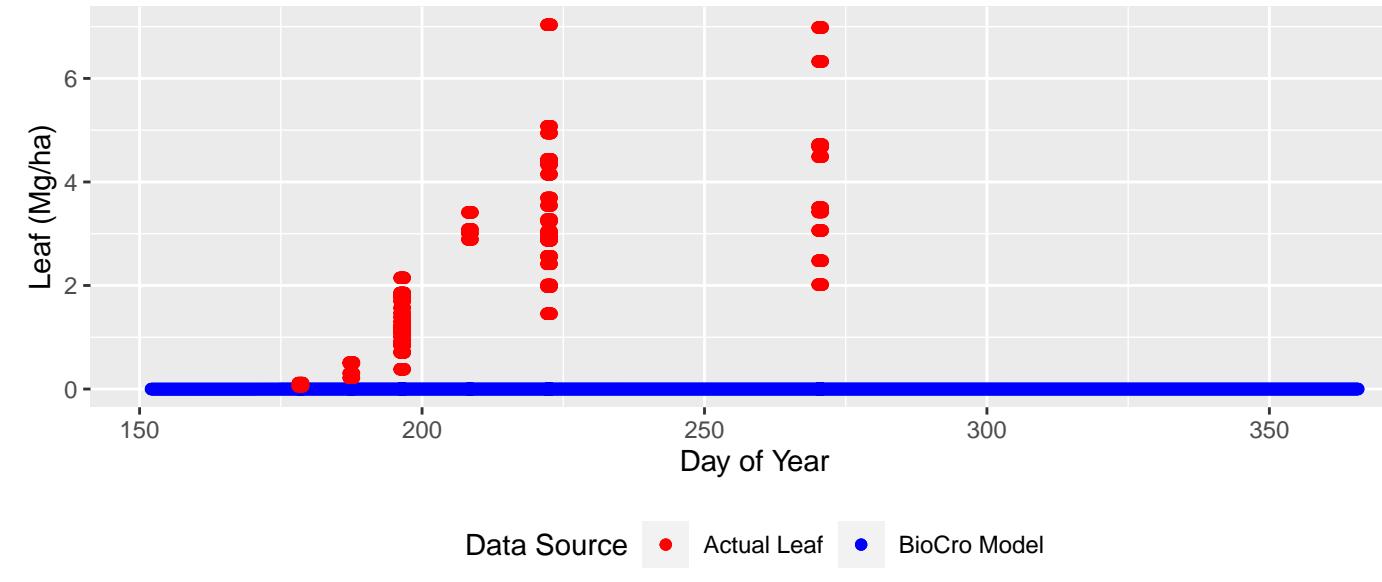
### Sorghum Model Leaf Area Index vs. Actual Data

2017 default parameters



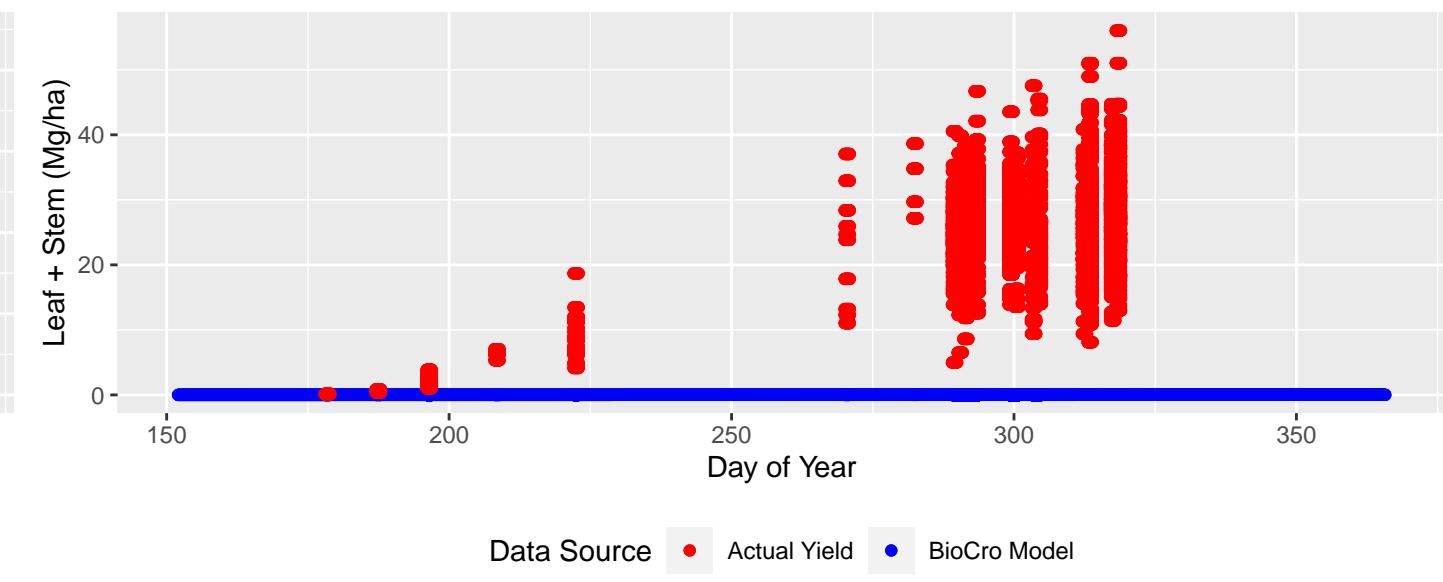
### Sorghum Model Leaf vs. Actual Data

2017 default parameters



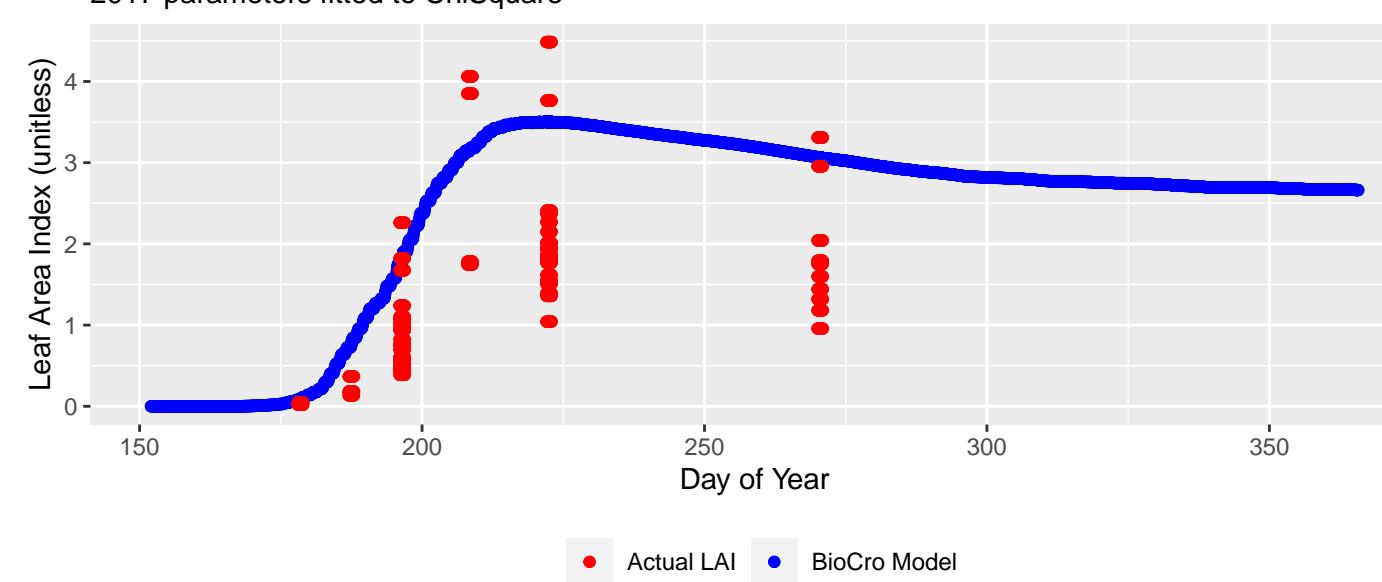
### Sorghum Model Yield vs. Actual Data

2017 default parameters



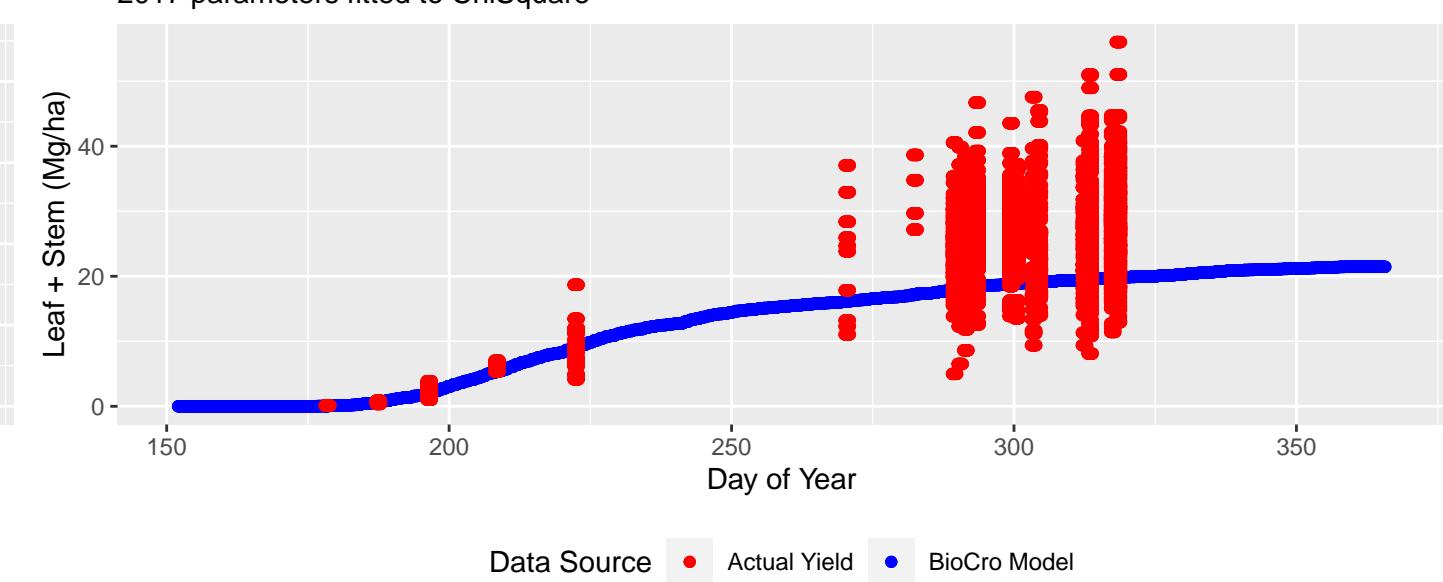
### Sorghum Model Leaf Area Index vs. Actual Data

2017 parameters fitted to ChiSquare



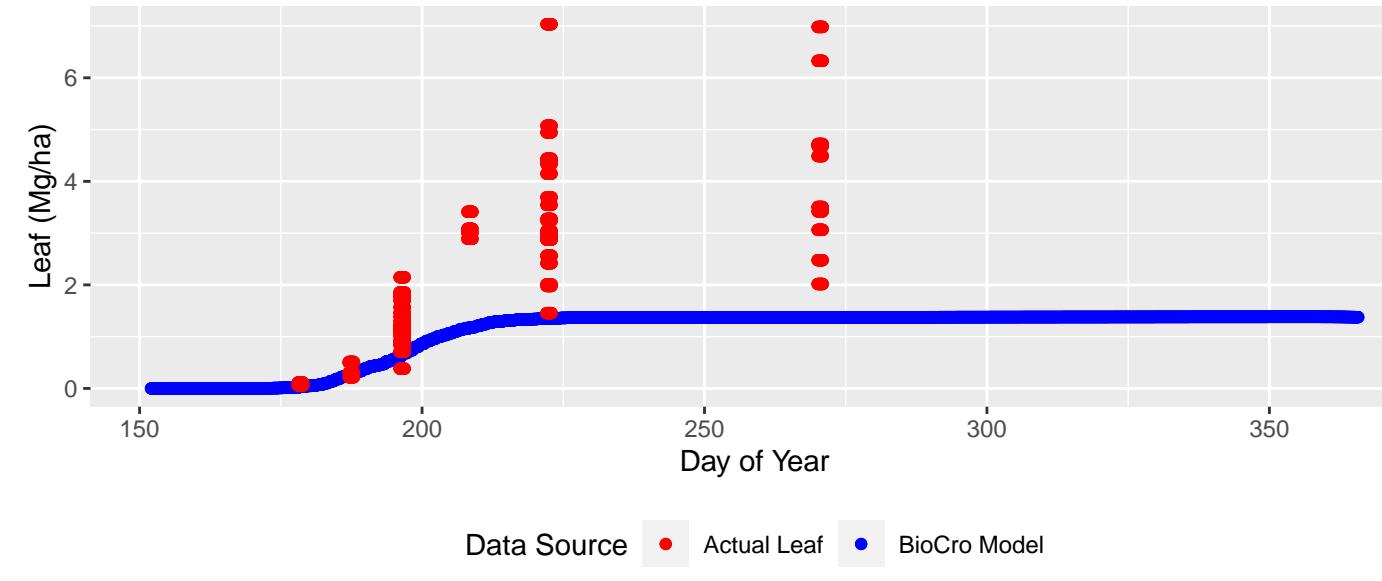
### Sorghum Model Yield vs. Actual Data

2017 parameters fitted to ChiSquare



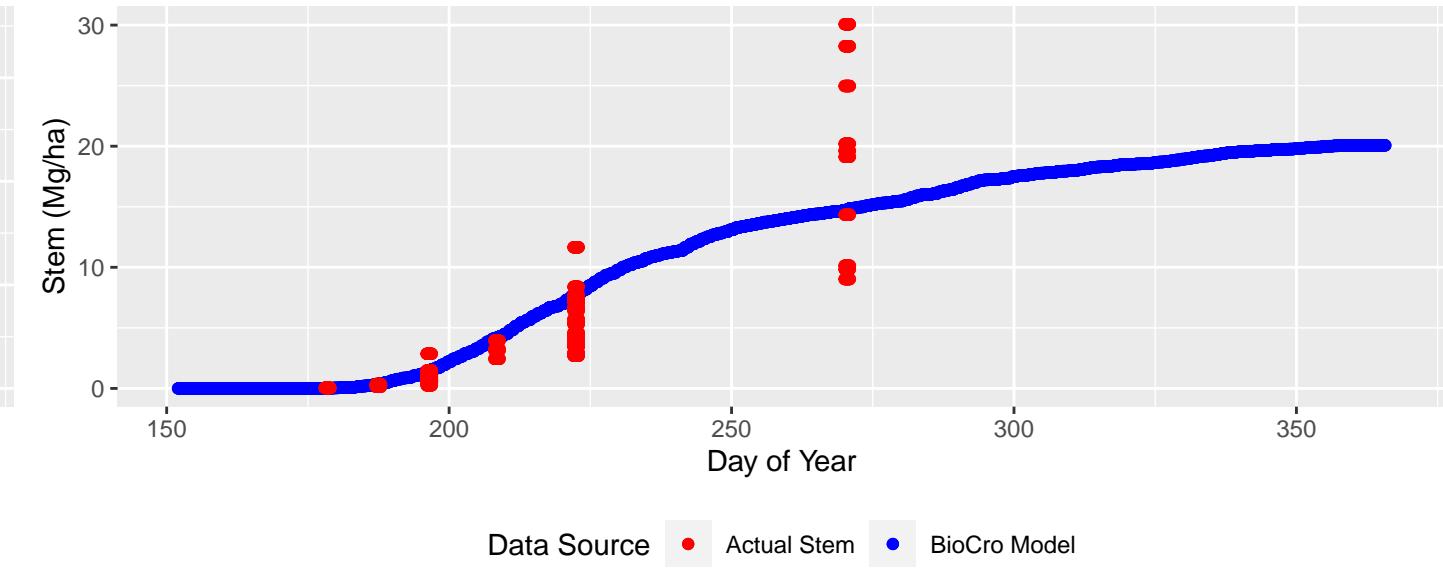
### Sorghum Model Leaf vs. Actual Data

2017 parameters fitted to ChiSquare



### Sorghum Model Stem vs. Actual Data

2017 parameters fitted to ChiSquare



Statistics for Leaf Area, Leaf, Stem (combined) RMSE: 25.39 MAE: 23.54 MAPE: 104.13 ChiSquare: 31932.89 Multi-var Loss: 83.805325760022

Statistics for Leaf Area, Leaf, Stem (combined) RMSE: 9.2 MAE: 7.33 MAPE: 35.93 ChiSquare: 4781.11 Multi-var Loss: 1376.03602446205