BigFoot
LAI Seasonal Trajectory
Soybean

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland
BigFoot
Meteorological Inputs

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland

Precipitation (cm)
Minimum Temperature (°C)
Maximum Temperature (°C)
Vapor Pressure Deficit (kPa)
Shortwave Radiation (MJ m\(^{-2}\) d\(^{-1}\))
PAR (MJ m\(^{-2}\) d\(^{-1}\))
BigFoot
GPP Comparison
BigFoot vs. Tower

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland

Day of Year

GPP (gC m$^{-2}$ d$^{-1}$)

RMSE = 0.99
BigFoot
GPP Comparison
BigFoot vs. MODIS

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland

BigFoot GPP (gC m\(^{-2}\) d\(^{-1}\))

MODIS GPP (gC m\(^{-2}\) d\(^{-1}\))

RMSE = 3.55

Day of Year

GPP (gC m\(^{-2}\) d\(^{-1}\))

MODIS
BigFoot

BigFoot GPP (gC m\(^{-2}\) d\(^{-1}\))

MODIS GPP (gC m\(^{-2}\) d\(^{-1}\))

RMSE = 3.55
BigFoot NPP Comparison
BigFoot vs. MODIS

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland

![Bar graph comparing NPP (gC m^{-2} yr^{-1}) between BigFoot and MODIS. The graph shows that BigFoot has a higher NPP compared to MODIS.]
BigFoot
Carbon Flux Comparison
BigFoot vs. MODIS

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland
BigFoot
Meteorological Comparison
Tower vs. DAO*

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland

* DAO – Data Assimilation Office
BigFoot
FPAR Comparison
BigFoot vs. MODIS

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland
BigFoot LAI Comparison
BigFoot vs. MODIS

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland

![Graph showing comparison between BigFoot and MODIS LAI over the year 2000. The graphs display the LAI values for the two datasets across the year, with error bars indicating variability. The x-axis represents the day of the year, ranging from 0 to 360, and the y-axis represents LAI in m^{-2} m^{-2}, ranging from 0 to 12. The comparison is made visually through overlapping lines for MODIS and BigFoot, with error bars indicating the spread of data points. A scatter plot is also shown, comparing BigFoot LAI values against MODIS LAI values, with a diagonal line indicating perfect agreement.]
BigFoot
LUE Comparison
BigFoot vs. MODIS

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland