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VIIRS NDVI

- <u>V</u>isible <u>Infrared Imaging Radiometer Suite</u>
- •Uses NDVI from NPP satellite (NOAA)
- Spatial resolution 500 m
- 16-day composite (daily revisit)
- •Archive begins in 2012





NDVI





























The Sentinel GreenReport

- Uses NDVI from Sentinel-2 (ESA)
- High spatial resolution (10-m)
- Frequent revisit (every 5 days)
- Archive begins in late 2015
- ~3-day update lag on GEE





Example Application



Mapping and quantifying damage

Case Study: Iowa derecho (August 10-11, 2020)







Example Application



Mapping and quantifying damage

Case Study: Kansas flood (May-June 2019)



By Marleah Campbell Published: May, 7, 2019 at 6,21 PM Cl





