**Modeling and Data Resources**

**NASS Crop data –**

<https://www.nass.usda.gov/Research_and_Science/Cropland/SARS1a.php>

**NASS CropScape data portal –**

<https://nassgeodata.gmu.edu/CropScape/>

**USGS Geo Data Portal** -

<https://cida.usgs.gov/gdp/>

**GeoKnife** – R API for accessing the USGS Geo Data Portal

<https://github.com/USGS-R/geoknife> (also available on CRAN)

**pyGDP** – Python API for accessing the USGS Geo Data Portal

<https://github.com/USGS-CIDA/pyGDP>

**TopoWx** - 800-meter resolution gridded dataset of daily minimum and maximum air temperature for the conterminous U.S.

<http://www.scrimhub.org/resources/topowx/>

**Global Soil Grids** – 250m Global gridded soil information based on machine learning

<https://soilgrids.org/#!/?layer=ORCDRC_M_sl2_250m&vector=1>

**Crop Productivity Index** - ESRI webmap service for 30m National Commodity Crop Productivity Index derived from the SSURGO soil database.

<https://www.arcgis.com/home/item.html?id=9ce0371b69564139b6d13264d2d46a31>

**Gridded National Soil Survey Geographic Database (gNATSGO)** 10m rasters.

<https://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/survey/geo/?cid=nrcseprd1464625>

Currently available tillage models

[https://s3.amazonaws.com/TillageModel/Colorado.zip](https://protect-us.mimecast.com/s/fNKqC4xv28hr2VQKfOb9QB?domain=s3.amazonaws.com)

[https://s3.amazonaws.com/TillageModel/Iowa.zip](https://protect-us.mimecast.com/s/CphSC5ywM8IAPJQLSOhhBi?domain=s3.amazonaws.com)

[https://s3.amazonaws.com/TillageModel/Kansas.zip](https://protect-us.mimecast.com/s/A5uPC68xM6IX6NAYTmKhuw?domain=s3.amazonaws.com)

[https://s3.amazonaws.com/TillageModel/Minnesota.zip](https://protect-us.mimecast.com/s/Ha7TC73yM6sLXgx1FN3qJ1?domain=s3.amazonaws.com)

[https://s3.amazonaws.com/TillageModel/Montana.zip](https://protect-us.mimecast.com/s/yvSDC82zgqI95GZpfow9u2?domain=s3.amazonaws.com)

[https://s3.amazonaws.com/TillageModel/Nebraska.zip](https://protect-us.mimecast.com/s/CWS3C9rAj8s8W0gEc1BXSk?domain=s3.amazonaws.com)

[https://s3.amazonaws.com/TillageModel/NorthDakota.zip](https://protect-us.mimecast.com/s/E7R8C0RoMgsjXxDwcLtpDv?domain=s3.amazonaws.com)

[https://s3.amazonaws.com/TillageModel/SouthDakota.zip](https://protect-us.mimecast.com/s/QHceCgJDy5F813xZcKbQoF?domain=s3.amazonaws.com)

[https://s3.amazonaws.com/TillageModel/Wyoming.zip](https://protect-us.mimecast.com/s/MWEuCjRgB2sg4rMQCMeMi_?domain=s3.amazonaws.com)