

# 2023 Cultivated Layer

## Metadata:

- Identification\_Information
- Data\_Quality\_Information
- Spatial\_Data\_Organization\_Information
- Spatial\_Reference\_Information
- Entity\_and\_Attribute\_Information
- Distribution\_Information
- Metadata\_Reference\_Information

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### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

###### *Originator:*

United States Department of Agriculture (USDA) National Agricultural Statistics Service (NASS)

*Publication\_Date:* 20240131

*Title:* 2023 Cultivated Layer

*Edition:* 2023 Edition

*Geospatial\_Data\_Presentation\_Form:* raster digital data

###### *Publication\_Information:*

###### *Publication\_Place:*

USDA NASS Marketing and Information Services Office, Washington, D.C.

*Publisher:* USDA NASS

###### *Other\_Citation\_Details:*

The data can be viewed at CroplandCROS <<https://croplandcros.scinet.usda.gov/>> and free for download at <[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/Release/](https://www.nass.usda.gov/Research_and_Science/Cropland/Release/)>. NASS maintains a Frequently Asked Questions (FAQ's) at <[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/sarsfaqs2.php](https://www.nass.usda.gov/Research_and_Science/Cropland/sarsfaqs2.php)>.

###### *Online\_Linkage:*

<[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/Release/](https://www.nass.usda.gov/Research_and_Science/Cropland/Release/)>

###### *Larger\_Work\_Citation:*

###### *Citation\_Information:*

###### *Originator:*

United States Department of Agriculture (USDA) National Agricultural Statistics Service (NASS)

*Publication\_Date:* 20240131

*Title:* 2023 Cropland Data Layer

*Edition:* 2023 Edition

*Geospatial\_Data\_Presentation\_Form:* remote-sensing image

###### *Publication\_Information:*

*Publication\_Place:* Washington, District of Columbia 20250-9410 USA

*Publisher:* USDA NASS

###### *Other\_Citation\_Details:*

For more technical details, FAQs, metadata and download links please visit <[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/SARS1a.php](https://www.nass.usda.gov/Research_and_Science/Cropland/SARS1a.php)>. The

parent dataset, the Cropland Data Layer, is available free for download through CroplandCROS <<https://croplandcros.scinet.usda.gov/>>

*Online\_Linkage:* <<https://croplandcros.scinet.usda.gov/>>

*Description:*

*Abstract:*

The 2023 Cultivated Layer identifies cultivated and non-cultivated land cover for the Continental United States and is based on land cover information derived from the 2019 through 2023 USDA NASS Cropland Data Layers (CDL). The Cultivated Layer is a raster, geo-referenced data layer that has a ground resolution of 30 meters. See the 'Process\_Description' Section for details on how this data layer was created. For a more detailed description of the Cultivated Layer please reference the following journal article: Boryan, Claire, Yang, Z., and Di, L., 2012. Deriving 2011 Cultivated Land Cover Data Sets Using USDA National Agricultural Statistics Service Historic Cropland Data Layers. Proc. of IEEE International Geoscience and Remote Sensing Symposium, July 22-27, 2012, Munich, Germany.

*Purpose:*

The purpose of the Cultivated Layer is to improve NASS Area Frame stratification used for agricultural surveys.

*Time\_Period\_of\_Content:*

*Time\_Period\_Information:*

*Range\_of\_Dates/Times:*

*Beginning\_Date:* 20221001

*Ending\_Date:* 20231230

*Currentness\_Reference:* 2023 growing season

*Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* annual updates

*Spatial\_Domain:*

*Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -127.8873

*East\_Bounding\_Coordinate:* -74.1585

*North\_Bounding\_Coordinate:* 47.9580

*South\_Bounding\_Coordinate:* 23.1496

*Keywords:*

*Theme:*

*Theme\_Keyword\_Thesaurus:* ISO 19115 Topic Category

*Theme\_Keyword:* farming, 001

*Theme\_Keyword:* environment, 007

*Theme\_Keyword:* imageryBaseMapsEarthCover, 010

*Theme:*

*Theme\_Keyword\_Thesaurus:* Global Change Master Directory (GCMD) Science Keywords

*Theme\_Keyword:*

Earth Science > Biosphere > Terrestrial Ecosystems > Agricultural Lands

*Theme\_Keyword:* Earth Science > Land Surface > Land Use/Land Cover > Land Cover

*Theme:*

*Theme\_Keyword\_Thesaurus:* None

*Theme\_Keyword:* crop cover

*Theme\_Keyword:* cropland

*Theme\_Keyword:* agriculture

*Theme\_Keyword:* farming

*Theme\_Keyword:* land cover

*Theme\_Keyword:* crop estimates  
*Theme\_Keyword:* ESA SENTINEL-2  
*Theme\_Keyword:* Landsat  
*Theme\_Keyword:* CroplandCROS

*Place:*

*Place\_Keyword\_Thesaurus:* Global Change Master Directory (GCMD) Location Keywords  
*Place\_Keyword:* Continent > North America > United States of America

*Place:*

*Place\_Keyword\_Thesaurus:* None  
*Place\_Keyword:* United States  
*Place\_Keyword:* USA  
*Place\_Keyword:* CONUS

*Temporal:*

*Temporal\_Keyword\_Thesaurus:* None  
*Temporal\_Keyword:* 2023

*Access\_Constraints:* none

*Use\_Constraints:*

The Cultivated Layer is provided to the public as is and is considered public domain and free to redistribute. The USDA NASS does not warrant any conclusions drawn from these data.

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* USDA NASS, Spatial Analysis Research Section  
*Contact\_Person:* USDA NASS, Spatial Analysis Research Section staff

*Contact\_Address:*

*Address\_Type:* mailing and physical address  
*Address:* 1400 Independence Avenue, SW, Room 5029 South Building  
*City:* Washington  
*State\_or\_Province:* District of Columbia  
*Postal\_Code:* 20250-2001  
*Country:* USA

*Contact\_Voice\_Telephone:* 800-727-9540

*Contact\_Facsimile\_Telephone:* 855-493-0447

*Contact\_Electronic\_Mail\_Address:* SM.NASS.RDD.GIB@usda.gov

*Data\_Set\_Credit:* USDA National Agricultural Statistics Service

*Security\_Information:*

*Security\_Classification\_System:* None  
*Security\_Classification:* Unclassified  
*Security\_Handling\_Description:* None

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:*

USDA, National Agricultural Statistics Service, 2023 Cultivated Layer  
NATIONAL ACCURACY REPORT

|                | Producer<br>Accuracy | Omission<br>Error | Kappa | User<br>Accuracy | Commission<br>Error | Conditional<br>Kappa |
|----------------|----------------------|-------------------|-------|------------------|---------------------|----------------------|
|                | -----                | -----             | ----- | -----            | -----               | -----                |
| Non-Cultivated | 96.82%               | 3.18%             | 0.931 | 96.13%           | 3.87%               | 0.917                |
| Cultivated     | 95.52%               | 4.48%             | 0.917 | 96.31%           | 3.69%               | 0.931                |

The accuracy of the non-agricultural land cover classes within the Cropland Data Layer and the Cultivated Layer is entirely dependent upon the USGS, National Land Cover Database (NLCD). Thus, the USDA NASS recommends that users consider the NLCD for studies involving non-agricultural land cover. For more information on the accuracy of the NLCD please reference <<https://www.mrlc.gov/>>.

*Quantitative\_Attribute\_Accuracy\_Assessment:*

*Attribute\_Accuracy\_Value:*

Classification accuracy is generally 85% to 95% correct for the major crop-specific land cover categories in the Cropland Data Layer, which the Cultivated Layer is based upon. See the 'Attribute Accuracy Report' section of this metadata file for the detailed accuracy report.

*Attribute\_Accuracy\_Explanation:*

The accuracy assessment of the Cultivated Layer uses independent validation derived from the FSA CLU (agricultural categories) that was to accuracy assess the Cropland Data Layer (CDL). See the 'Attribute Accuracy Report' section of this metadata file for the full accuracy report.

These definitions of accuracy statistics were derived from the following book: Congalton, Russell G. and Kass Green. Assessing the Accuracy of Remotely Sensed Data: Principles and Practices. Boca Raton, Florida: CRC Press, Inc. 1999. The 'Producer's Accuracy' is calculated for each cover type in the ground truth and indicates the probability that a ground truth pixel will be correctly mapped (across all cover types) and measures 'errors of omission'. An 'Omission Error' occurs when a pixel is excluded from the category to which it belongs in the validation dataset. The 'User's Accuracy' indicates the probability that a pixel from the CDL classification actually matches the ground truth data and measures 'errors of commission'. The 'Commission Error' represent when a pixel is included in an incorrect category according to the validation data. It is important to take into consideration errors of omission and commission. For example, if you classify every pixel in a scene to 'wheat', then you have 100% Producer's Accuracy for the wheat category and 0% Omission Error. However, you would also have a very high error of commission as all other crop types would be included in the incorrect category. The 'Kappa' is a measure of agreement based on the difference between the actual agreement in the error matrix (i.e., the agreement between the remotely sensed classification and the reference data as indicated by the major diagonal) and the chance agreement which is indicated by the row and column totals. The 'Conditional Kappa Coefficient' is the agreement for an individual category within the entire error matrix.

*Logical\_Consistency\_Report:*

The 2023 Cultivated Layer is based on the 2019-2023 Cropland Data Layers (CDLs). The CDL data are produced using training and independent validation data from the Farm Service Agency (FSA) Common Land Unit (CLU) Program (agricultural data) and the most recent version of the United States Geological Survey (USGS) National Land Cover Database (NLCD). More information about the FSA CLU Program can be found at <<https://www.fsa.usda.gov/>>. More information about the NLCD can be found at <<https://www.mrlc.gov/>>.

*Completeness\_Report:* The data encompasses the Continental United States.

*Positional\_Accuracy:*

*Horizontal\_Positional\_Accuracy:*

*Horizontal\_Positional\_Accuracy\_Report:*

The Cropland Data Layer and Cultivated Layer retain the spatial attributes of the input imagery. The Landsat 8 and 9 OLI/TIRS imagery is obtained via download from the USGS Global Visualization Viewer <<https://glovis.usgs.gov/>> using the Collection 2 Level-1 specifications. Please reference the metadata on the Glovis website for the positional accuracy of each Landsat scene. The Sentinel 2A and 2B imagery is obtained via download from the Copernicus Open Access Hub <<https://scihub.copernicus.eu/>> using the S2MSI1C product type which is orthorectified Top-of-Atmosphere reflectance. Please reference the metadata on the Copernicus website for positional accuracy details.

*Lineage:*

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:*

United States Department of Agriculture (USDA) National Agricultural Statistics Service (NASS)

*Publication\_Date:* 20240131

*Title:* 2023 Cropland Data Layer

*Edition:* 2023 Edition

*Geospatial\_Data\_Presentation\_Form:* remote-sensing image

*Publication\_Information:*

*Publication\_Place:* Washington, District of Columbia 20250-9410 USA

*Publisher:* USDA NASS

*Other\_Citation\_Details:*

Visit CroplandCROS <<https://croplandcros.scinet.usda.gov/>> or

<[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/SARS1a.php](https://www.nass.usda.gov/Research_and_Science/Cropland/SARS1a.php)> for more information.

The USDA NASS Cropland Data Layer (CDL) is a raster, geo-referenced, crop-specific land cover data layer. The CDL is produced using moderate spatial resolution satellite imagery which in the past has included the following: Landsat 5 TM, Landsat 7 ETM+, Landsat 8 and 9 OLI/TIRS, the Indian Remote Sensing RESOURCESAT-1 (IRS-P6) Advanced Wide Field Sensor (AWiFS), the Disaster Monitoring Constellation (DMC) DEIMOS-1 and UK2 sensors, ISRO ResourceSat-2 LISS-3, and ESA SENTINEL-2A and -2B sensors. Some CDL states used additional satellite imagery and ancillary inputs to supplement and improve the classification. These additional sources can include the United States Geological Survey (USGS) National Elevation Dataset (NED), the imperviousness and canopy data layers from the most current version of the USGS National Land Cover Database (NLCD), and the National Aeronautics and Space Administration (NASA) Moderate Resolution Imaging Spectroradiometer (MODIS) 250 meter 16 day Normalized Difference Vegetation Index (NDVI) composites.

Agricultural training and validation data are derived from the Farm Service Agency (FSA) Common Land Unit (CLU) Program. The NLCD is used as non-agricultural training and validation data.

The strength and emphasis of the CDL is agricultural land cover. Please note that no farmer reported data are derivable from the Cropland Data Layer.

*Source\_Scale\_Denominator:* 30 meter

*Type\_of\_Source\_Media:* online download

*Source\_Time\_Period\_of\_Content:*

*Time\_Period\_Information:*

*Range\_of\_Dates/Times:*

*Beginning\_Date:* 1997

*Ending\_Date:* 2023

*Source\_Currentness\_Reference:* ground condition

*Source\_Citation\_Abbreviation:* CDL

*Source\_Contribution:* Land cover information used to identify planting history

*Process\_Step:*

*Process\_Description:*

OVERVIEW: The Cultivated Layer is based on the most recent five years of CDL data (2019-2023). An Erdas Imagine Spatial Model is used to create the Cultivated Layer. The processing logic is as follows. If a pixel is identified as cultivated in at least two out of the five years of CDL data then it is assigned to the 'Cultivated' category. The exception is that all pixels identified as cultivated in the most recent year are assigned to the 'Cultivated' category regardless of whether or not they were cultivated in the previous four years of CDL data. For a more detailed description of the Cultivated Layer please reference the following journal article: Boryan, Claire, Yang, Z., and Di, L., 2012. Deriving 2011 Cultivated Land Cover Data Sets Using USDA National Agricultural Statistics Service Historic Cropland Data Layers. Proc. of IEEE International Geoscience and Remote Sensing Symposium, July 22-27, 2012, Munich, Germany.

Below is a list of the CDL categories that are considered cultivated and non-cultivated for the Cultivated Layer.

USDA, NASS Cropland Data Layer categories considered cultivated:

| CODE | CLASS NAME               |
|------|--------------------------|
| 1    | Corn                     |
| 2    | Cotton                   |
| 3    | Rice                     |
| 4    | Sorghum                  |
| 5    | Soybeans                 |
| 6    | Sunflower                |
| 10   | Peanuts                  |
| 11   | Tobacco                  |
| 12   | Sweet Corn               |
| 13   | Pop or Orn Corn          |
| 14   | Mint                     |
| 21   | Barley                   |
| 22   | Durum Wheat              |
| 23   | Spring Wheat             |
| 24   | Winter Wheat             |
| 25   | Other Small Grains       |
| 26   | Dbl Crop WinWht/Soybeans |
| 27   | Rye                      |
| 28   | Oats                     |
| 29   | Millet                   |
| 30   | Speltz                   |
| 31   | Canola                   |
| 32   | Flaxseed                 |
| 33   | Safflower                |
| 34   | Rape Seed                |
| 35   | Mustard                  |
| 36   | Alfalfa                  |
| 38   | Camelina                 |
| 39   | Buckwheat                |
| 41   | Sugarbeets               |
| 42   | Dry Beans                |
| 43   | Potatoes                 |
| 44   | Other Crops              |
| 45   | Sugarcane                |
| 46   | Sweet Potatoes           |
| 47   | Misc Vgs & Fruits        |
| 48   | Watermelons              |
| 49   | Onions                   |
| 50   | Cucumbers                |
| 51   | Chick Peas               |
| 52   | Lentils                  |
| 53   | Peas                     |
| 54   | Tomatoes                 |
| 55   | Caneberries              |
| 56   | Hops                     |
| 57   | Herbs                    |
| 58   | Clover/Wildflowers       |

|     |                             |
|-----|-----------------------------|
| 61  | Fallow/Idle Cropland        |
| 66  | Cherries                    |
| 67  | Peaches                     |
| 68  | Apples                      |
| 69  | Grapes                      |
| 70  | Christmas Trees             |
| 71  | Other Tree Crops            |
| 72  | Citrus                      |
| 74  | Pecans                      |
| 75  | Almonds                     |
| 76  | Walnuts                     |
| 77  | Pears                       |
| 204 | Pistachios                  |
| 205 | Triticale                   |
| 206 | Carrots                     |
| 207 | Asparagus                   |
| 208 | Garlic                      |
| 209 | Cantaloupes                 |
| 210 | Prunes                      |
| 211 | Olives                      |
| 212 | Oranges                     |
| 213 | Honeydew Melons             |
| 214 | Broccoli                    |
| 215 | Avocado                     |
| 216 | Peppers                     |
| 217 | Pomegranates                |
| 218 | Nectarines                  |
| 219 | Greens                      |
| 220 | Plums                       |
| 221 | Strawberries                |
| 222 | Squash                      |
| 223 | Apricots                    |
| 224 | Vetch                       |
| 225 | Dbl Crop WinWht/Corn        |
| 226 | Dbl Crop Oats/Corn          |
| 227 | Lettuce                     |
| 228 | Dbl Crop Triticale/Corn     |
| 229 | Pumpkins                    |
| 230 | Dbl Crop Lettuce/Durum Wht  |
| 231 | Dbl Crop Lettuce/Cantaloupe |
| 232 | Dbl Crop Lettuce/Cotton     |
| 233 | Dbl Crop Lettuce/Barley     |
| 234 | Dbl Crop Durum Wht/Sorghum  |
| 235 | Dbl Crop Barley/Sorghum     |
| 236 | Dbl Crop WinWht/Sorghum     |
| 237 | Dbl Crop Barley/Corn        |
| 238 | Dbl Crop WinWht/Cotton      |
| 239 | Dbl Crop Soybeans/Cotton    |
| 240 | Dbl Crop Soybeans/Oats      |
| 241 | Dbl Crop Corn/Soybeans      |
| 242 | Blueberries                 |
| 243 | Cabbage                     |
| 244 | Cauliflower                 |
| 245 | Celery                      |
| 246 | Radishes                    |
| 247 | Turnips                     |
| 248 | Eggplants                   |
| 249 | Gourds                      |
| 250 | Cranberries                 |
| 254 | Dbl Crop Barley/Soybeans    |

USDA, NASS Cropland Data Layer categories considered non-cultivated:

| CODE | CLASS NAME            |
|------|-----------------------|
| 37   | Other Hay/Non Alfalfa |
| 59   | Sod/Grass Seed        |
| 60   | Switchgrass           |

|     |                          |
|-----|--------------------------|
| 63  | Forest                   |
| 64  | Shrubland                |
| 65  | Barren                   |
| 81  | Clouds/No Data           |
| 82  | Developed                |
| 83  | Water                    |
| 87  | Wetlands                 |
| 88  | Nonag/Undefined          |
| 92  | Aquaculture              |
| 111 | Open Water               |
| 112 | Perennial Ice/Snow       |
| 121 | Developed/Open Space     |
| 122 | Developed/Low Intensity  |
| 123 | Developed/Med Intensity  |
| 124 | Developed/High Intensity |
| 131 | Barren                   |
| 141 | Deciduous Forest         |
| 142 | Evergreen Forest         |
| 143 | Mixed Forest             |
| 152 | Shrubland                |
| 176 | Grass/Pasture            |
| 190 | Woody Wetlands           |
| 195 | Herbaceous Wetlands      |

ACCURACY: The accuracy assessment of the 2023 Cultivated Layer uses the same independent validation derived from the FSA CLU (agricultural categories) that was used to accuracy assess the 2023 Cropland Data Layer (CDL). See the 'Attribute Accuracy Report' section of this metadata file for the full accuracy report.

PUBLIC RELEASE: The Cultivated Layer is considered public domain and free to redistribute. The data can be viewed at CroplandCROS <<https://croplandcros.scinet.usda.gov/>> and downloaded at <[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/Release/index.php](https://www.nass.usda.gov/Research_and_Science/Cropland/Release/index.php)>. Please note that in no case are farmer reported data revealed or derivable from the public use Cultivated Layer or Cropland Data Layer.

*Process\_Date:* 2023

*Process\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* USDA NASS, Spatial Analysis Research Section

*Contact\_Person:* USDA NASS, Spatial Analysis Research Section staff

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 1400 Independence Avenue, SW, Room 5029 South Building

*City:* Washington

*State\_or\_Province:* District of Columbia

*Postal\_Code:* 20250-2001

*Country:* USA

*Contact\_Voice\_Telephone:* 800-727-9540

*Contact\_Facsimile\_Telephone:* 855-493-0447

*Contact\_Electronic\_Mail\_Address:* SM.NASS.RDD.GIB@usda.gov

*Spatial\_Data\_Organization\_Information:*

*Indirect\_Spatial\_Reference:* United States of America

*Direct\_Spatial\_Reference\_Method:* Raster

*Raster\_Object\_Information:*

*Raster\_Object\_Type:* Pixel

*Row\_Count:* 96523

*Column\_Count:* 153811

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Planar:*

*Map\_Projection:*

*Map\_Projection\_Name:* Albers Conical Equal Area

*Albers\_Conical\_Equal\_Area:*

*Standard\_Parallel:* 29.500000

*Standard\_Parallel:* 45.500000

*Longitude\_of\_Central\_Meridian:* -96.000000

*Latitude\_of\_Projection\_Origin:* 23.000000

*False\_Easting:* 0.000000

*False\_Northing:* 0.000000

*Planar\_Coordinate\_Information:*

*Planar\_Coordinate\_Encoding\_Method:* row and column

*Coordinate\_Representation:*

*Abcissa\_Resolution:* 30.000000

*Ordinate\_Resolution:* 30.000000

*Planar\_Distance\_Units:* meters

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* North American Datum of 1983

*Ellipsoid\_Name:* Geodetic Reference System 80

*Semi-major\_Axis:* 6378137.000000

*Denominator\_of\_Flattening\_Ratio:* 298.257222

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*Entity\_and\_Attribute\_Information:*

*Overview\_Description:*

*Entity\_and\_Attribute\_Overview:*

The Cultivated Layer is created using historical land cover products from the Cropland Data Layer (CDL). The CDL is produced using agricultural training data from the Farm Service Agency (FSA) Common Land Unit (CLU) Program and non-agricultural training data from the most current version of the United States Geological Survey (USGS) National Land Cover Database (NLCD). The strength and emphasis of the CDL is crop-specific land cover categories. The accuracy of the CDL non-agricultural land cover classes are entirely dependent upon the NLCD. Thus, the USDA NASS recommends that users consider the NLCD for studies involving non-agricultural land cover.

*Entity\_and\_Attribute\_Detail\_Citation:*

Data Dictionary: USDA, National Agricultural Statistics Service, Cultivated Layer

Source: USDA, National Agricultural Statistics Service

Raster

Attribute Domain Values and Definitions: NO DATA, BACKGROUND 0

Raster

Attribute Domain Values and Definitions: CULTIVATION

| Categorization Code | Land Cover     |
|---------------------|----------------|
| "1"                 | Non-Cultivated |
| "2"                 | Cultivated     |

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*Distribution\_Information:*

*Distributor:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* USDA NASS Customer Service

*Contact\_Person:* USDA NASS Customer Service Staff

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 1400 Independence Avenue, SW, Room 5038-S

*City:* Washington

*State\_or\_Province:* District of Columbia

*Postal\_Code:* 20250-9410

*Country:* USA

*Contact\_Voice\_Telephone:* 800-727-9540

*Contact\_Facsimile\_Telephone:* 855-493-0447

*Contact\_Electronic\_Mail\_Address:* SM.NASS.RDD.GIB@usda.gov

*Contact\_Instructions:*

Please visit the official website

<[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/SARS1a.php](https://www.nass.usda.gov/Research_and_Science/Cropland/SARS1a.php)> for distribution details.

*Resource\_Description:* 2023 Cultivated Layer

*Distribution\_Liability:*

Disclaimer: Users of this data are solely responsible for interpretations made from these products. The data is provided 'as is' and the USDA NASS does not warrant results you may obtain using the data.

Contact our staff at (SM.NASS.RDD.GIB@usda.gov) if technical questions arise. NASS does maintain a Frequently Asked Questions (FAQ's) section on the CDL website at

<[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/SARS1a.php](https://www.nass.usda.gov/Research_and_Science/Cropland/SARS1a.php)>.

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Format\_Name:* GEOTIFF

*Format\_Version\_Date:* 2023

*Format\_Information\_Content:* GEOTIFF

*Digital\_Transfer\_Option:*

*Online\_Option:*

*Computer\_Contact\_Information:*

*Network\_Address:*

*Network\_Resource\_Name:*

<[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/SARS1a.php](https://www.nass.usda.gov/Research_and_Science/Cropland/SARS1a.php)>

*Access\_Instructions:*

The Cultivated Layer is available free for download at the official website

<[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/SARS1a.php](https://www.nass.usda.gov/Research_and_Science/Cropland/SARS1a.php)>. The CDL is available

online and free for download at CroplandCROS

<<https://croplandcros.scinet.usda.gov/>> and the Geospatial Data Gateway

<<https://datagateway.nrcs.usda.gov/>>.

*Fees:*

The Cultivated Layer is available free for download at the official website

<[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/SARS1a.php](https://www.nass.usda.gov/Research_and_Science/Cropland/SARS1a.php)>. The CDL is available online and free for download at CroplandCROS <<https://croplandcros.scinet.usda.gov/>>, the

Geospatial Data Gateway <<https://datagateway.nrcs.usda.gov/>>, and the NASS CDL website

<[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/SARS1a.php](https://www.nass.usda.gov/Research_and_Science/Cropland/SARS1a.php)>. Distribution questions can be directed to the NASS Customer Service Hotline at 1-800-727-9540.

*Ordering\_Instructions:*

The Cultivated Layer is available free for download at the official website

<[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/SARS1a.php](https://www.nass.usda.gov/Research_and_Science/Cropland/SARS1a.php)>. The CDL is available

online and free for download at CroplandCROS <<https://croplandcros.scinet.usda.gov/>>, the Geospatial Data Gateway <<https://datagateway.nrcs.usda.gov/>>, and the NASS CDL website <[https://www.nass.usda.gov/Research\\_and\\_Science/Cropland/SARS1a.php](https://www.nass.usda.gov/Research_and_Science/Cropland/SARS1a.php)>. Distribution questions can be directed to the NASS Customer Service Hotline at 1-800-727-9540.

*Technical\_Prerequisites:*

If the user does not have software capable of viewing GEOTIF (.tif) or ERDAS Imagine (.img) file formats then we suggest using CroplandCROS <<https://croplandcros.scinet.usda.gov/>>.

---

*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20240131

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* USDA NASS, Spatial Analysis Research Section

*Contact\_Person:* USDA NASS, Spatial Analysis Research Section Staff

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 1400 Independence Avenue, SW, Room 5029 South Building

*City:* Washington

*State\_or\_Province:* District of Columbia

*Postal\_Code:* 20250-2001

*Country:* USA

*Contact\_Voice\_Telephone:* 800-727-9540

*Contact\_Facsimile\_Telephone:* 855-493-0447

*Contact\_Electronic\_Mail\_Address:* SM.NASS.RDD.GIB@usda.gov

*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Access\_Constraints:* No restrictions on the distribution or use of the metadata file

*Metadata\_Use\_Constraints:* No restrictions on the distribution or use of the metadata file