MS Croplands by County 2024

Type File Geodatabase Feature Class

Tags USDA, crops, land use, Mississippi

Summary

The purpose of the Cropland Data Layer Program is to use satellite imagery to (1) provide supplemental acreage estimates to the Agricultural Statistics Board for the state's major commodities and (2) produce digital, crop-specific, categorized geo-referenced output products.

*** November 2025 - MARIS staff converted the .tif from USDA to a polygon feature class. They then created their own shade set to not have non-Mississippi Categories in the Legend. For full USDA metadata, see :
https://maris.mississippi.edu//HTML/DATA/data_Geoscience/Cropland.html#gsc.tab=0
or the .htm included in this packet!

MARIS staff copied some of the major metadata into this document. ***

Description

The USDA National Agricultural Statistics Service (NASS) Cropland Data Layer (CDL) is an annual raster, geo-referenced, crop-specific land cover data layer produced using satellite imagery and extensive agricultural ground reference data. The program began in 1997 with limited coverage and in 2008 forward expanded coverage to the entire Continental United States. Please note that no farmer reported data are derivable from the Cropland Data Layer.

New for the 2024 10-meter CDL, the crop classification utilized remote sensing data from harmonized Sentinel-2 MSI Level-2A, Landsat 8, and Landsat 9 Level-2 Collection 2 Tier-1 products, providing surface reflectance (SR) data across multiple spectral bands, including GREEN, RED, NIR, SWIR1, SWIR2, and RedEdge bands 1-4. To mitigate cloud cover, 10-day median composites of surface reflectance and NDVI were created from the cloud-masked Landsat-Sentinel multi-sensor data for the growing season of 2024. An impervious layer from USGS NLCD 2021 and a digital elevation model from USGS 3DEP were also included ancillary input variables. In addition, mixed sampling strategies and localized training and were applied to the 2024 10m CDL production. Additional information: Z. Li, R. Mueller, Z. Yang, D. Johnson and P. Willis, "Cloud-Powered Agricultural Mapping: A Revolution Toward 10m Resolution Cropland Data Layers," IGARSS 2024 - 2024 IEEE International Geoscience and Remote Sensing Symposium, Athens, Greece, 2024, pp. 4081-4084, doi: 10.1109/IGARSS53475.2024.10641079. PDF available at <https://www.nass.usda.gov/Research_and_Science/Cropland/docs/IGARSS2024_Proceedings_10mCDL_Li_etal.pdf>.

The 2024 CDL has a spatial resolution of 10 meters and was produced using satellite imagery from Landsat 8 and 9 OLI/TIRS and ESA SENTINEL-2A and -2B collected throughout the growing season. Additional ancillary inputs were used to supplement and improve the land cover classification including the United States Geological Survey (USGS) 3D Elevation Program (3DEP) Elevation Dataset (NED), and the USGS National Land Cover Database imperviousness data layer. Agricultural training and validation data are derived from the Farm Service Agency (FSA) Common Land Unit (CLU) Program. Some CDL states incorporate additional crop-specific ground reference obtained from the following non-FSA sources which are detailed in the 'Lineage' Section of this metadata: US Bureau of Reclamation, NASS Citrus Data Layer (internal use only), California Department of Water Resources, Florida Department of Agriculture and Consumer Services Office of Agricultural Water Policy, Cornell University grape/vineyard data, Utah

Department of Water Resources, and Washington State Department of Agriculture. The 2021 NLCD was used as non-agricultural training and validation data for the 2024 CDL. Please visit the CDL FAQs and metadata webpages at <https://www.nass.usda.gov/Research_and_Science/Cropland/SARS1a.php> to view a complete list of imagery, ancillary inputs, and ground reference used for a specific state and year.

** NOTE - In November 2025, ARIS staff converted the .tif from USDA to a polygon feature class. They then created their own shade set to not have non-Mississippi Categories in the Legend. For full metadata from USDA, see their .htm included in this packet! MARIS staff copied some of the major metadata into this document.

Credits

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

Use limitations

There are no access and use limitations for this item.

Extent

There is no extent for this item.

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:150,000,000

Topics and Keywords ►

Themes or categories of the resource Farming, Biota, Boundaries, Geoscientific

Content type ⇔ Downloadable Data

Export to FGDC CSDGM XML format as Resource Description No

Citation ►

Title MS Croplands by County 2024

Creation date 2024-12-30 00:00:00

Publication date 2025-02-27 00:00:00

Presentation formats ⇔ digital map

Other citation details

Z. Li, R. Mueller, Z. Yang, D. Johnson and P. Willis, "Cloud-Powered Agricultural Mapping: A Revolution Toward 10m Resolution Cropland Data Layers," IGARSS 2024 - 2024 IEEE International Geoscience and Remote Sensing Symposium, Athens, Greece, 2024, pp. 4081-4084, doi: 10.1109/IGARSS53475.2024.10641079. PDF available at <https://www.nass.usda.gov/Research_and_Science/Cropland/docs/IGARSS2024_Proceedings_10mCDL_Li_etal.pdf>. Data available free for download at <https://croplandcros.scinet.usda.gov/>. Frequently Asked Questions at <https://www.nass.usda.gov/Research_and_Science/Cropland/SARS1a.php>.

Citation Contacts ►

Responsible party - originator

Individual's name Staff

Organization's name United States Department of Agriculture (USDA) National Agricultural Statistics Service (NASS)

Contact information ►

Address

Type physical

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

Contact instructions

Responsible party - distributor

Individual's name Steve Walker

Organization's name MARIS

Contact's position GIS Operations Manager

Contact information ►

Address

Type postal

Delivery point 3825 Ridgewood Rd Suite 717

City Jackson

Administrative area MS

Postal code 39211

Country US

e-mail address swalker@mississippi.edu

Resource Details ►

Dataset languages ⇔ English (UNITED STATES)

Spatial representation type ⇔ vector

Processing environment ⇔ Microsoft Windows 10 Version 10.0 (Build 26100) ; Esri ArcGIS 13.5.2.57366

Credits

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

ArcGIS item properties

Name ⇔ MS_CroplandFC_2024_County

Location

⇔ file://\\10.10.17.31\MARIS\ArcPro_Projects\Geoscience\Geoscience\MS_Cropland_2024\MS_Cropland_2024.gdb

Access protocol ⇔ Local Area Network

Resource Points of Contact ►

Point of contact - point of contact

Individual's name USDA NASS, Spatial Analysis Research Section staff
Organization's name USDA NASS, Spatial Analysis Research Section

Contact information ►
Phone
Voice 855-493-0447
Address
Type both
Delivery point 1400 Independence Avenue, SW, Room 5029 South Building
City Washington
Administrative area District of Columbia
Postal code 20250-2001
Country US
e-mail address SM.NASS.RDD.GIB@usda.gov

Spatial Reference ►

ArcGIS coordinate system
Type ⇔ Projected
Geographic coordinate reference ⇔ GCS_WGS_1984
Projection ⇔ WGS_1984_UTM_Zone_16N
Coordinate reference details ⇔
ProjectedCoordinateSystem
WKID 32616
XOrigin -5120900
YOrigin -9998100
XYScale 1
ZOrigin -100000
ZScale 10000
MOrigin -100000
MScale 10000
XYTolerance 2
ZTolerance 0.001
MTolerance 0.001
HighPrecision true
LatestWKID 32616
WKT
PROJCS["WGS_1984_UTM_Zone_16N",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-87.0],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",32616]]

Reference system identifier
Value ⇔ 32616
Codespace ⇔ EPSG
Version ⇔ 9.8.8(3.0.1)

Spatial Data Properties ►

Vector ►

Level of topology for this dataset ⇔ geometry only

Geometric objects
Feature class name MS_CroplandFC_2024_County
Object type ⇔ composite
Object count ⇔ 0

ArcGIS Feature Class Properties ►

Feature class name MS_CroplandFC_2024_County
Feature type ⇔ Simple
Geometry type ⇔ Polygon
Has topology ⇔ FALSE
Feature count ⇔ 0
Spatial index ⇔ TRUE
Linear referencing ⇔ FALSE

Data Quality ►

Scope of quality information ►

Resource level attribute

Data quality report - Quantitative attribute accuracy ►

Conformance test results
Result explanation

If the following table does not display properly, then please visit the CDL Metadata webpage at <https://www.nass.usda.gov/Research_and_Science/Cropland/metadata/meta.php> to view the original file. Accuracy at the individual state-level can be viewed at the CDL Metadata webpage.
USDA National Agricultural Statistics Service, 2024 Cropland Data Layer
STATEWIDE AGRICULTURAL ACCURACY REPORT

Crop-specific covers only	*Correct	Accuracy	Error	Kappa
OVERALL ACCURACY**	2,763,127	77.5%	22.5%	0.733

Cover Type	Attribute Code	*Correct Pixels	Producer's Accuracy	Omission Error	Kappa	User's Accuracy	Commission Error	Kappa
Corn	1	926,684	92.6%	7.4%	0.923	92.3%	7.7%	0.919
Cotton	2	118,322	85.2%	14.8%	0.852	86.2%	13.8%	0.861
Rice	3	35,276	96.1%	3.9%	0.961	91.3%	8.7%	0.912
Sorghum	4	60,299	79.9%	20.1%	0.799	69.8%	30.2%	0.697
Soybeans	5	830,135	91.2%	8.8%	0.908	91.6%	8.4%	0.912
Sunflower	6	7,181	82.8%	17.2%	0.828	82.8%	17.2%	0.828
Peanuts	10	18,182	90.7%	9.3%	0.906	74.8%	25.2%	0.747

Tobacco	11	329	37.9%	62.1%	0.379	70.3%	29.7%	0.703
Sweet Corn	12	1,389	56.2%	43.8%	0.562	56.6%	43.4%	0.566
Pop or Orn Corn	13	1,298	82.7%	17.3%	0.827	52.3%	47.7%	0.523
Mint	14	402	82.5%	17.5%	0.825	76.9%	23.1%	0.769
Barley	21	16,542	74.3%	25.7%	0.743	65.1%	34.9%	0.650
Durum Wheat	22	16,332	72.0%	28.0%	0.720	62.6%	37.4%	0.625
Spring Wheat	23	110,760	82.9%	17.1%	0.828	86.7%	13.3%	0.866
Winter Wheat	24	204,900	87.1%	12.9%	0.869	81.1%	18.9%	0.809
Other Small Grains	25	90	33.2%	66.8%	0.332	54.5%	45.5%	0.545
Dbl Crop WinWht/Soybeans	26	36,376	78.4%	21.6%	0.783	81.6%	18.4%	0.815
Rye	27	2,895	54.7%	45.3%	0.546	36.1%	63.9%	0.360
Oats	28	6,701	57.3%	42.7%	0.573	36.2%	63.8%	0.362
Millet	29	5,076	64.7%	35.3%	0.647	52.3%	47.7%	0.523
Speltz	30	29	15.4%	84.6%	0.154	30.9%	69.1%	0.309
Canola	31	28,077	93.8%	6.2%	0.938	89.1%	10.9%	0.891
Flaxseed	32	1,003	61.2%	38.8%	0.612	51.4%	48.6%	0.514
Safflower	33	1,363	75.4%	24.6%	0.754	77.2%	22.8%	0.772
Rape Seed	34	25	25.5%	74.5%	0.255	50.0%	50.0%	0.500
Mustard	35	1,657	82.9%	17.1%	0.829	73.3%	26.7%	0.733
Alfalfa	36	88,352	79.6%	20.4%	0.795	60.3%	39.7%	0.601
Other Hay/Non Alfalfa	37	13,256	46.8%	53.2%	0.464	8.3%	91.7%	0.082
Camelina	38	165	44.6%	55.4%	0.446	39.0%	61.0%	0.390
Buckwheat	39	311	57.9%	42.1%	0.579	71.0%	29.0%	0.710
Sugarbeets	41	11,233	95.6%	4.4%	0.956	91.1%	8.9%	0.911
Dry Beans	42	14,668	80.6%	19.4%	0.806	77.0%	23.0%	0.770
Potatoes	43	8,489	89.7%	10.3%	0.897	87.1%	12.9%	0.871
Other Crops	44	731	46.0%	54.0%	0.460	54.3%	45.7%	0.543
Sugarcane	45	13,498	88.5%	11.5%	0.885	90.0%	10.0%	0.900
Sweet Potatoes	46	935	83.8%	16.2%	0.838	77.6%	22.4%	0.776
Misc Vegs & Fruits	47	62	9.8%	90.2%	0.098	24.5%	75.5%	0.245
Watermelons	48	268	45.9%	54.1%	0.459	55.4%	44.6%	0.554
Onions	49	923	70.1%	29.9%	0.701	76.8%	23.2%	0.768
Cucumbers	50	306	56.5%	43.5%	0.565	68.0%	32.0%	0.680
Chick Peas	51	5,280	77.7%	22.3%	0.777	81.7%	18.3%	0.817
Lentils	52	10,012	82.2%	17.8%	0.822	77.6%	22.4%	0.776
Peas	53	10,544	81.8%	18.2%	0.818	73.0%	27.0%	0.730
Tomatoes	54	1,893	78.0%	22.0%	0.780	86.1%	13.9%	0.861
Caneberries	55	62	51.2%	48.8%	0.512	49.2%	50.8%	0.492
Hops	56	594	88.9%	11.1%	0.889	81.5%	18.5%	0.815
Herbs	57	615	53.2%	46.8%	0.532	38.7%	61.3%	0.387
Clover/Wildflowers	58	490	41.7%	58.3%	0.417	34.8%	65.2%	0.348
Sod/Grass Seed	59	4,068	60.1%	39.9%	0.600	49.6%	50.4%	0.496
Switchgrass	60	33	18.8%	81.3%	0.187	30.0%	70.0%	0.300

Fallow/Idle Cropland	61	68,594	84.1%	15.9%	0.840	67.7%	32.3%	0.676
Shrubland	64	18,064	72.3%	27.7%	0.723	49.2%	50.8%	0.492
Cherries	66	805	52.9%	47.1%	0.529	47.0%	53.0%	0.470
Peaches	67	597	45.5%	54.5%	0.455	48.4%	51.6%	0.484
Apples	68	2,715	63.5%	36.5%	0.635	74.8%	25.2%	0.747
Grapes	69	10,441	71.9%	28.1%	0.719	76.3%	23.7%	0.763
Christmas Trees	70	68	9.7%	90.3%	0.097	14.3%	85.7%	0.143
Other Tree Crops	71	275	30.8%	69.2%	0.308	44.0%	56.0%	0.440
Citrus	72	3,974	58.5%	41.5%	0.585	75.1%	24.9%	0.751
Pecans	74	2,706	76.6%	23.4%	0.766	49.9%	50.1%	0.499
Almonds	75	23,975	86.3%	13.7%	0.863	86.5%	13.5%	0.865
Walnuts	76	5,826	88.7%	11.3%	0.887	72.3%	27.7%	0.723
Pears	77	293	56.0%	44.0%	0.560	52.6%	47.4%	0.526
Aquaculture	92	4,555	85.3%	14.7%	0.853	80.7%	19.3%	0.807
Pistachios	204	8,607	88.9%	11.1%	0.889	85.7%	14.3%	0.857
Triticale	205	2,559	46.5%	53.5%	0.465	25.7%	74.3%	0.257
Carrots	206	147	54.6%	45.4%	0.546	56.5%	43.5%	0.565
Asparagus	207	17	34.0%	66.0%	0.340	54.8%	45.2%	0.548
Garlic	208	144	66.4%	33.6%	0.664	76.6%	23.4%	0.766
Cantaloupes	209	57	34.8%	65.2%	0.348	60.0%	40.0%	0.600
Prunes	210	245	54.1%	45.9%	0.541	36.5%	63.5%	0.365
Olives	211	479	73.6%	26.4%	0.736	45.7%	54.3%	0.457
Oranges	212	3,617	61.0%	39.0%	0.610	58.5%	41.5%	0.585
Honeydew Melons	213	2	10.5%	89.5%	0.105	11.1%	88.9%	0.111
Broccoli	214	61	36.7%	63.3%	0.367	47.7%	52.3%	0.477
Avocados	215	353	69.9%	30.1%	0.699	48.9%	51.1%	0.489
Peppers	216	108	38.3%	61.7%	0.383	54.5%	45.5%	0.545
Pomegranates	217	206	83.7%	16.3%	0.837	51.2%	48.8%	0.512
Nectarines	218	1	5.3%	94.7%	0.053	14.3%	85.7%	0.143
Greens	219	63	39.1%	60.9%	0.391	40.9%	59.1%	0.409
Plums	220	20	14.6%	85.4%	0.146	5.7%	94.3%	0.057
Strawberries	221	26	15.7%	84.3%	0.157	45.6%	54.4%	0.456
Squash	222	51	24.4%	75.6%	0.244	45.1%	54.9%	0.451
Apricots	223	5	7.5%	92.5%	0.075	6.2%	93.8%	0.062
Vetch	224	64	57.7%	42.3%	0.577	59.8%	40.2%	0.598
Dbl Crop WinWht/Corn	225	1,796	46.1%	53.9%	0.460	48.5%	51.5%	0.485
Dbl Crop Oats/Corn	226	315	47.9%	52.1%	0.479	48.8%	51.2%	0.488
Lettuce	227	97	41.6%	58.4%	0.416	27.1%	72.9%	0.271
Dbl Crop Triticale/Corn	228	1,841	47.0%	53.0%	0.469	61.8%	38.2%	0.618
Pumpkins	229	226	36.3%	63.7%	0.363	57.1%	42.9%	0.571
Dbl Crop Lettuce/Durum Wht	230	0	0.0%	100.0%	0.000	n/a	n/a	n/a

Dbl Crop Lettuce/Cantaloupe	231	56	48.7%	51.3%	0.487	90.3%	9.7%	0.903
Dbl Crop Lettuce/Cotton	232	97	68.3%	31.7%	0.683	84.3%	15.7%	0.843
Dbl Crop Lettuce/Barley	233	1	20.0%	80.0%	0.200	25.0%	75.0%	0.250
Dbl Crop WinWht/Sorghum	236	1,725	56.4%	43.6%	0.564	33.3%	66.7%	0.333
Dbl Crop Barley/Corn	237	187	39.0%	61.0%	0.390	57.9%	42.1%	0.579
Dbl Crop WinWht/Cotton	238	407	32.9%	67.1%	0.329	18.2%	81.8%	0.182
Dbl Crop Soybeans/Cotton	239	0	0.0%	100.0%	0.000	n/a	n/a	n/a
Dbl Crop Soybeans/Oats	240	160	29.5%	70.5%	0.295	37.0%	63.0%	0.370
Dbl Crop Corn/Soybeans	241	31	32.6%	67.4%	0.326	48.4%	51.6%	0.484
Blueberries	242	368	45.4%	54.6%	0.454	39.1%	60.9%	0.391
Cabbage	243	90	49.2%	50.8%	0.492	46.9%	53.1%	0.469
Cauliflower	244	10	28.6%	71.4%	0.286	20.4%	79.6%	0.204
Celery	245	6	14.3%	85.7%	0.143	25.0%	75.0%	0.250
Radishes	246	28	46.7%	53.3%	0.467	50.9%	49.1%	0.509
Turnips	247	19	38.8%	61.2%	0.388	48.7%	51.3%	0.487
Eggplants	248	1	10.0%	90.0%	0.100	50.0%	50.0%	0.500
Gourds	249	3	17.6%	82.4%	0.176	60.0%	40.0%	0.600
Cranberries	250	18	17.6%	82.4%	0.176	69.2%	30.8%	0.692
Dbl Crop Barley/Soybeans	254	433	47.5%	52.5%	0.475	63.0%	37.0%	0.630

*Correct Pixels represents the total number of independent validation pixels correctly identified in the error matrix.
**The Overall Accuracy represents only the FSA row crops and annual fruit and vegetables (codes 1-61, 66-80, 92 and 200-255).
FSA-sampled grass and pasture. Non-agricultural and NLCD-sampled categories (codes 62-65, 81-91 and 93-199) are not included in the Overall Accuracy.
The accuracy of the non-agricultural land cover classes within the Cropland Data Layer is entirely dependent upon the USGS, National Land Cover Database. 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/>.

Geoprocessing history ►

Process

Process name

Date 2025-11-18 13:59:17

Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Conversion Tools.tbx\RasterToPolygon

Command issued

```
RasterToPolygon cdl_10m_r_ms_2024_utm16.tif
Y:\ArcPro_Projects\Geoscience\Geoscience\MS_Cropland_2024\MS_Cropland_
2024.gdb\RasterT_cdl_10m1 NO_SIMPLIFY Class_Name SINGLE_OUTER_PART 100
```

Include in lineage when exporting metadata No

Process

Process name

Date 2025-11-20 07:27:43

Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\Rename

Command issued

```
Rename
Y:\MAPS\MS_Cropland_Data_2024\MS_Cropland_2024.gdb\RasterT_cdl_10m1
Y:\MAPS\MS_Cropland_Data_2024\MS_Cropland_2024.gdb\MS_CroplandFC_2024
FeatureClass
```

Include in lineage when exporting metadata No

Process

Process name

Date 2025-11-20 08:05:57

Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\UpdateSchema

Command issued

```
UpdateSchema "CIMDATA=<CIMStandardDataConnection
xsi:type='typens:CIMStandardDataConnection'
xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance'
xmlns:xs='http://www.w3.org/2001/XMLSchema'
xmlns:typens='http://www.esri.com/schemas/ArcGIS/3.5.0'><WorkspaceFact
ory>FileGDB</WorkspaceFactory><Dataset>MS_CroplandFC_2024</Dataset><Da
tasetType>esriDTFeatureClass</DatasetType></CIMStandardDataConnection>
"
<operationSequence><workflow><AddField><field_name>Categor_Code</field
_name><field_type>SHORT</field_type><field_is_nullable>True</field_is_
nullable><field_is_required>False</field_is_required></AddField></work
flow></operationSequence>
```

Include in lineage when exporting metadata No

Process

Process name

Date 2025-11-20 12:28:52

Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\DeleteField

Command issued

```
DeleteField MS_CroplandFC_2024 Categor_Code DELETE_FIELDS
```

Include in lineage when exporting metadata No

Process

Process name

Date 2025-11-21 09:21:49

Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Analysis Tools.tbx\Identity

Command issued
```
Identity MS_CroplandFC_2024 MS_CountyBoundaries_2015
Y:\ArcPro_Projects\Geoscience\Geoscience\MS_Cropland_2024\MS_Cropland_
2024.gdb\MS_CroplandFC_2024_County ALL # NO_RELATIONSHIPS
```
Include in lineage when exporting metadata No

Distribution ►

Distribution format

Name ⇔ File Geodatabase Feature Class

Distribution format

Name File geodatabase
Version 11.5

Fields ►

Details for object MS_CroplandFC_2024_County ►

Type ⇔ Feature Class
Row count ⇔ 0

Field OBJECTID ►
Alias ⇔ OBJECTID
Data type ⇔ OID
Width ⇔ 4
Precision ⇔ 0
Scale ⇔ 0

Field description ⇔
Internal feature number.

Description source ⇔
Esri

Description of values ⇔
Sequential unique whole numbers that are automatically generated.

Field Shape ►
Alias ⇔ Shape
Data type ⇔ Geometry
Width ⇔ 0
Precision ⇔ 0
Scale ⇔ 0

Field description ⇔
Feature geometry.

Description source ⇔
Esri

Description of values ⇔
Coordinates defining the features.

Field FID_MS_CroplandFC_2024 ►
Alias ⇔ FID_MS_CroplandFC_2024
Data type ⇔ Integer
Width ⇔ 4
Precision ⇔ 0
Scale ⇔ 0

Field Id ►
Alias ⇔ Id
Data type ⇔ Integer
Width ⇔ 4
Precision ⇔ 0
Scale ⇔ 0

Field gridcode ►
Alias ⇔ gridcode
Data type ⇔ Integer
Width ⇔ 4
Precision ⇔ 0
Scale ⇔ 0

Field Class_Name ►
Alias ⇔ Class_Name
Data type ⇔ String
Width ⇔ 27
Precision ⇔ 0
Scale ⇔ 0

Field FID_MS_CountyBoundaries_2015 ►
Alias ⇔ FID_MS_CountyBoundaries_2015
Data type ⇔ Integer
Width ⇔ 4
Precision ⇔ 0
Scale ⇔ 0

Field AREA ►
Alias ⇔ AREA
Data type ⇔ Double
Width ⇔ 8
Precision ⇔ 0

Scale ⇔ 0

Field PERIMETER ►
Alias ⇔ PERIMETER
Data type ⇔ Double
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field NEWSTCO_ ►
Alias ⇔ NEWSTCO_
Data type ⇔ Double
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field NEWSTCO_ID ►
Alias ⇔ NEWSTCO_ID
Data type ⇔ Double
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field COUNTY ►
Alias ⇔ COUNTY
Data type ⇔ SmallInteger
Width ⇔ 2
Precision ⇔ 0
Scale ⇔ 0

Field CONAME ►
Alias ⇔ CONAME
Data type ⇔ String
Width ⇔ 15
Precision ⇔ 0
Scale ⇔ 0

Field CO_SEAT ►
Alias ⇔ CO_SEAT
Data type ⇔ String
Width ⇔ 40
Precision ⇔ 0
Scale ⇔ 0

Field Shape_Length ►

Alias ⇔ Shape_Length
Data type ⇔ Double
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field description ⇔
Length of feature in internal units.

Description source ⇔
Esri

Description of values ⇔
Positive real numbers that are automatically generated.

Field Shape_Area ►

Alias ⇔ Shape_Area
Data type ⇔ Double
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field description ⇔
Area of feature in internal units squared.

Description source ⇔
Esri

Description of values ⇔
Positive real numbers that are automatically generated.

Overview Description

Entity and Attribute Overview

he Cropland Data Layer (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.

f the following table does not display properly, then please visit the following website to view the original metadata at <https://www.nass.usda.gov/Research_and_Science/Cropland/metadata/meta.php>.

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

Source: USDA National Agricultural Statistics Service

The following is a cross reference list of the categorization codes and land covers.
Note that not all land cover categories listed below will appear in an individual state.

Raster
Attribute Domain Values and Definitions: NO DATA, BACKGROUND 0

Categorization Code	Land Cover
"0"	Background

Attribute Domain Values and Definitions: CROPS 1-60

Categorization Code	Land Cover
"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
"37"	Other Hay/Non Alfalfa
"38"	Camelina
"39"	Buckwheat
"41"	Sugarbeets
"42"	Dry Beans

"43"	Potatoes
"44"	Other Crops
"45"	Sugarcane
"46"	Sweet Potatoes
"47"	Misc Vegs & 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
"59"	Sod/Grass Seed
"60"	Switchgrass

Raster
Attribute Domain Values and Definitions: NON-CROP 61-65

Categorization Code	Land Cover
"61"	Fallow/Idle Cropland
"62"	Pasture/Grass
"63"	Forest
"64"	Shrubland
"65"	Barren

Raster
Attribute Domain Values and Definitions: CROPS 66-80

Categorization Code	Land Cover
"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

Raster
Attribute Domain Values and Definitions: OTHER 81-109

Categorization Code	Land Cover
"81"	Clouds/No Data
"82"	Developed
"83"	Water
"87"	Wetlands
"88"	Nonag/Undefined
"92"	Aquaculture

Raster
Attribute Domain Values and Definitions: NLCD-DERIVED CLASSES 110-195

Categorization Code	Land Cover
"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"	Grassland/Pasture
"190"	Woody Wetlands
"195"	Herbaceous Wetlands

Raster
Attribute Domain Values and Definitions: CROPS 195-255

Categorization Code	Land Cover
"204"	Pistachios
"205"	Triticale
"206"	Carrots
"207"	Asparagus
"208"	Garlic
"209"	Cantaloupes
"210"	Prunes
"211"	Olives
"212"	Oranges
"213"	Honeydew Melons
"214"	Broccoli
"215"	Avocados
"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

Metadata Details ►

Metadata language ⇔ English (UNITED STATES)

Scope of the data described by the metadata ⇔ dataset
Scope name ⇔ dataset

Last update ⇔ 2025-11-21

ArcGIS metadata properties

Metadata format ArcGIS 1.0
Standard or profile used to edit metadata ISO19115_3

Created in ArcGIS for the item 2025-11-18 13:59:17
Last modified in ArcGIS for the item 2025-11-21 10:55:24

Automatic updates
Have been performed Yes
Last update 2025-11-21 08:10:16

Metadata Contacts ►

Metadata contact - originator
Individual's name Staff
Organization's name United States Department of Agriculture (USDA) National Agricultural Statistics Service (NASS)

Contact information ►
Address
Type physical
Delivery point USDA NASS Marketing and Information Services Office, Washington, D.C.
Contact instructions

Metadata Maintenance ►

Maintenance
Update frequency unknown

Metadata Constraints ►

Constraints
Limitations of use
The USDA NASS Cropland Data Layer and the data offered on the CroplandCROS website 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.