

Conventional Crops 2022



Tags

Biomass, Crop, 2022, Bioenergy Knowledge Discovery Framework, KDF, Oak Ridge National Laboratory, ORNL, U.S. Department of Energy, DOE

Summary

This layer displays Conventional Crops for the year 2022 as reported from the Bioenergy Knowledge Discovery Framework. Please see the following report:

http://www1.eere.energy.gov/biomass/pdfs/billion_ton_update.pdf

Description

Learn about the ongoing efforts to keep the United States at the forefront of renewable bioenergy technology research and adoption. Use the Bioenergy Knowledge Discovery Framework (Bioenergy KDF) to explore the data with mapping tools. Explore the role your country or state will play in providing feedstocks to biorefineries. Find locations of all the bioenergy facilities in your state and locate biomass sources such as pulp/paper mills in your area. Explore projections for energy crop resource availability across the nation through 2030. Please visit: <https://bioenergykdf.net/>

Credits

U.S. Department of Energy Biomass Program, Oak Ridge National Laboratory, Energy.gov, NREL's Bioenergy Atlas, Idaho National Laboratory

Use limitations

None.

ArcGIS Metadata

Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE boundaries, environment, farming

THEME KEYWORDS Biomass, Crop, 2022, Bioenergy Knowledge Discovery Framework, KDF, Oak Ridge National Laboratory, ORNL, U.S. Department of Energy, DOE

Citation

TITLE Conventional Crops 2022

PUBLICATION DATE 2012-03-02 00:00:00

PRESENTATION FORMATS * digital map

Citation Contacts

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Bioenergy Knowledge Discovery Framework

ORGANIZATION'S NAME U.S. Department of Energy

CONTACT'S ROLE originator

CONTACT INFORMATION
CONTACT INSTRUCTIONS
<https://bioenergykdf.net/>

Resource Details

DATASET LANGUAGES * English (UNITED STATES)
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; ESRI ArcGIS 10.0.4.4000

CREDITS

U.S. Department of Energy Biomass Program, Oak Ridge National Laboratory, Energy.gov, NREL's Bioenergy Atlas, Idaho National Laboratory

ARCGIS ITEM PROPERTIES

- * NAME
- * LOCATION
- * ACCESS PROTOCOL Local Area Network

Extents

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

- EXTENT TYPE Extent used for searching
- * WEST LONGITUDE -179.147340
 - * EAST LONGITUDE 179.778465
 - * NORTH LATITUDE 71.390482
 - * SOUTH LATITUDE 17.881242
 - * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

- * WEST LONGITUDE -179.147340
- * EAST LONGITUDE 179.778465
- * SOUTH LATITUDE 17.881242
- * NORTH LATITUDE 71.390482
- * EXTENT CONTAINS THE RESOURCE Yes

Resource Maintenance

RESOURCE MAINTENANCE

UPDATE FREQUENCY unknown

Resource Constraints

CONSTRAINTS

LIMITATIONS OF USE

None.

Spatial Reference

ARCGIS COORDINATE SYSTEM

- * TYPE Geographic
- * GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984
- * COORDINATE REFERENCE DETAILS
GEOGRAPHIC COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 4326
X ORIGIN -399.99999999999989
Y ORIGIN -399.99999999999989
XY SCALE 11258999068426.24
Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 8.9831528411952133e-009
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LEFT LONGITUDE -180
WELL-KNOWN TEXT
GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.2572
23563]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433],AUTHORITY["EPSG",432
6]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 4326
- * CODESPACE EPSG
- * VERSION 7.4.1

Spatial Data Properties

VECTOR

- * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

- FEATURE CLASS NAME Counties_KDF_Crop_BLYEC1BLT_2022_detailed
- * OBJECT TYPE composite
- * OBJECT COUNT 3219

ARCGIS FEATURE CLASS PROPERTIES

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polygon
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 3219
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

Lineage

LINEAGE STATEMENT

The U.S. Billion Ton Update data was downloaded from the following site on 3/2/2012.
<https://bioenergykdf.net/content/billiontonupdate>

Distribution

DISTRIBUTION FORMAT

- * NAME Personal GeoDatabase Feature Class

Fields

DETAILS FOR OBJECT Counties_KDF_Crop_BLYEC1BLT_2012_detailed ►

- * TYPE Feature Class
- * ROW COUNT 3219

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 name

ALIAS County Name

DATA TYPE String

- * WIDTH 32
- * PRECISION 0
- * SCALE 0

DESCRIPTION SOURCE

Tele Atlas North America, Inc.; United States Central Intelligence Agency

FIELD DESCRIPTION

County Name

FIELD fips

ALIAS FIPS Code

DATA TYPE String

- * WIDTH 5
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Five-Digit FIPS Code

DESCRIPTION SOURCE

Department of Commerce, National Institute of Standards and Technology

FIELD state_name

ALIAS State Name

DATA TYPE String

- * WIDTH 25
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

State Name

DESCRIPTION SOURCE

Department of Commerce, Census Bureau

FIELD [yield_2022_60_barley](#)

ALIAS Barley Harvested Yield 2022 (\$60/dry ton)

DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Barley Harvested Yield 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [production_2022_60_barley](#)

ALIAS Barley Production 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Barley Production 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [harvested_2022_60_barley](#)

ALIAS Barley Harvested Acres 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Barley Harvested Acres 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [yield_2022_60_corn](#)

ALIAS Corn Harvested Yield 2022 (\$60/dry ton)

DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Corn Harvested Yield 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [harvested_2022_60_corn](#)

ALIAS Corn Harvested Acres 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Corn Harvested Acres 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD production_2022_60_corn

ALIAS Corn Production 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Corn Production 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD yield_2022_60_cotton

ALIAS Cotton Harvested Yield 2022 (\$60/dry ton)

DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Cotton Harvested Yield 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD production_2022_60_cotton

ALIAS Cotton Production 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Cotton Production 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD harvested_2022_60_cotton

ALIAS Cotton Harvested Acres 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Cotton Harvested Acres 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD yield_2022_60_hay

ALIAS Hay Harvested Yield 2022 (\$60/dry ton)

DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Hay Harvested Yield 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [production_2022_60_hay](#)

ALIAS Hay Production 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Hay Production 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [harvested_2022_60_hay](#)

ALIAS Hay Harvested Acres 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Hay Harvested Acres 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [yield_2022_60_oats](#)

ALIAS Oats Harvested Yield 2022 (\$60/dry ton)

DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Oats Harvested Yield 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [production_2022_60_oats](#)

ALIAS Oats Production 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Oats Production 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [harvested_2022_60_oats](#)

ALIAS Oats Harvested Acres 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Oats Harvested Acres 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [yield_2022_60_rice](#)

ALIAS Rice Harvested Yield 2022 (\$60/dry ton)

DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Rice Harvested Yield 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [production_2022_60_rice](#)

ALIAS Rice Production 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Rice Production 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [harvested_2022_60_rice](#)

ALIAS Rice Harvested Acres 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Rice Harvested Acres 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [yield_2022_60_sorghum](#)

ALIAS Sorghum Harvested Yield 2022 (\$60/dry ton)

DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Sorghum Harvested Yield 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [production_2022_60_sorghum](#)

ALIAS Sorghum Production 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Sorghum Production 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [harvested_2022_60_sorghum](#)

ALIAS Sorghum Harvested Acres 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Sorghum Harvested Acres 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [yield_2022_60_soybeans](#)

ALIAS Soybeans Harvested Yield 2022 (\$60/dry ton)

DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Soybeans Harvested Yield 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [production_2022_60_soybeans](#)

ALIAS Soybeans Production 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Soybeans Production 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [harvested_2022_60_soybeans](#)

ALIAS Soybeans Harvested Acres 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Soybeans Harvested Acres 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD [yield_2022_60_wheat](#)

ALIAS Wheat Harvested Yield 2022 (\$60/dry ton)

DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Wheat Harvested Yield 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD production_2022_60_wheat

ALIAS Wheat Production 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Wheat Production 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

FIELD harvested_2022_60_wheat

ALIAS Wheat Harvested Acres 2022 (\$60/dry ton)

DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Wheat Harvested Acres 2022 (\$60/dry ton)

DESCRIPTION SOURCE

Bioenergy Knowledge Discovery Framework

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.

Metadata Details

* METADATA LANGUAGE English (UNITED STATES)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
SCOPE NAME * dataset

* LAST UPDATE 2013-05-13

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE FGDC CSDGM Metadata
STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS 2013-05-10 11:39:28
LAST MODIFIED IN ARCGIS 2013-05-13 08:38:26

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2013-05-13 08:38:26

Metadata Contacts

METADATA CONTACT

INDIVIDUAL'S NAME Kevin Hlava
ORGANIZATION'S NAME Argonne National Laboratory
CONTACT'S POSITION GIS Assistant/Specialist
CONTACT'S ROLE point of contact

CONTACT INFORMATION

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ADDRESS

TYPE both
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Thumbnail and Enclosures

THUMBNAIL

THUMBNAIL TYPE JPG