

# Mapping Agricultural Data Using Excel<sup>®</sup> 2016

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# Objectives



**Describe benefits  
of mapping  
Agriculture and  
related industry  
data**

**Highlight Excel  
2016 Data  
Mapping Tools**

**Explain how to use  
data maps with  
USDA agricultural  
data sets**



# Agricultural Data Mapping



Data

Visualization

Action

Insightful Resource on Value of Mapping in Agriculture: ***Agricultural Data Visualization for Prescriptive Crop Planning.***  
Harshitha, etal. (2017) <http://www.ijcttjournal.org/2017/Volume49/number-3/IJCTT-V49P129.pdf>



## Benefits of Mapping

- Visualize Agricultural trends (production, yield, planting, usage, etc.) among populations and possible influencing factors
- Identify critical industry/production needs and assets
- Identify and/or compare clusters or trends within a geographic region
- Demonstrate changes over time
- Compare statistics through symbols on maps



## Visualizing Farming with Agriculture Maps

- ▶ Almost every bit of the food we eat is grown and gathered on farms.
- ▶ Humans have learned how to change the environment to efficiently grow crops – we have also learned to produce more crops with less land.
- ▶ But a number of issues **threatens agriculture sustainability** – population increase, climate change and water stress.
- ▶ Feast your eyes on these agriculture maps and learn what the future of farming holds.

Source: <https://gisgeography.com/agriculture-maps-global-farming/>

# Map 1: Agricultural Exposure to Water Stress Map

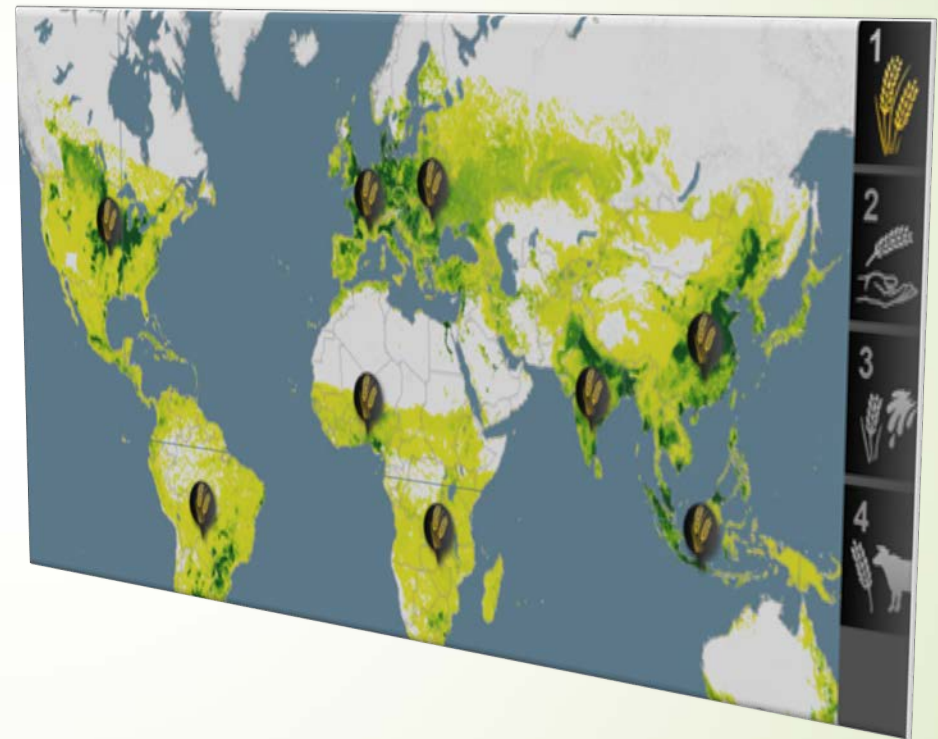
- ❖ The World Resources Institute mapped out where water stresses exist in the world.
- ❖ The Agriculture Exposure to Water Stress Map measures the ratio of local withdrawal (demand) over the available water (supply).
- ❖ Countries like India, Morocco, Spain and the Philippines face high cropland water stress.
- ❖ Major commodity crops are visualized like coffee, rice and cereals.



Source: <https://gisgeography.com/agriculture-maps-global-farming/>

## Map 2: Feeding the World Map

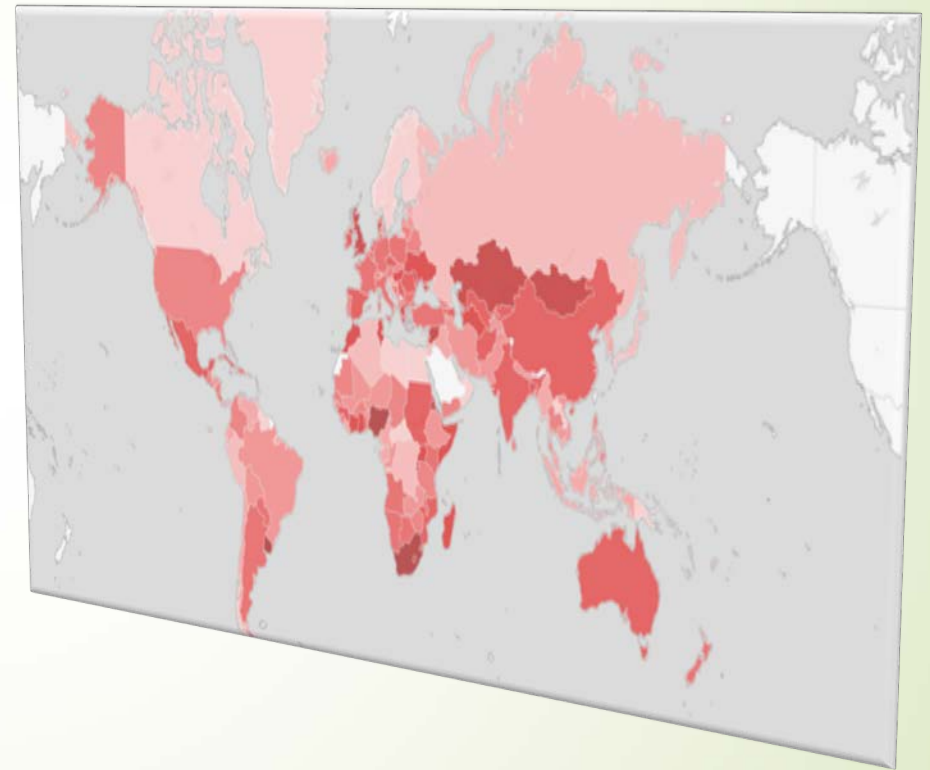
- ❖ Can Global Crop Production Meet Future Demands? The University of Minnesota is exploring current crop yields and solutions to the biggest problems in agriculture.
- ❖ The purpose of the Feeding the World Story Map, is to showcase the process to tackle this growing problem, we will have to:
  - ❖ Make croplands more productive
  - ❖ Increase water use efficiency
  - ❖ Change crop use & diet



Source: <https://gisgeography.com/agriculture-maps-global-farming/>

## Map 3: World Bank Agricultural Land (% of land area)

- ❖ World Bank has a unique set of Agricultural Maps showing historical and future farming trends. The maps include:
  - ❖ Agricultural irrigated land (% of total agricultural land)
  - ❖ Agricultural land (% of land area)
  - ❖ Agricultural machinery (tractors per 100 sq km of arable land)
  - ❖ Agriculture, value added (% of GDP)
  - ❖ Agriculture, value added per worker (constant 2005 US\$)



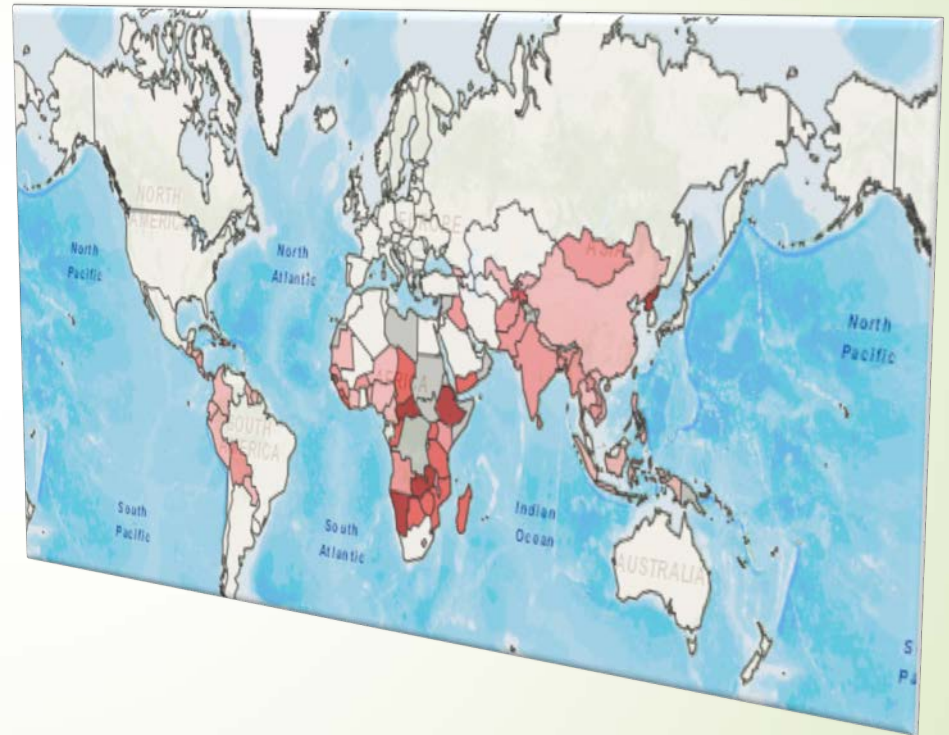
Source: <https://aisgeography.com/agriculture-maps-global-farming/>





## Map 4: FAO Hunger Map

- ❖ The United Nations is battling hunger with its Millennium Development Goal (MDG) program.
- ❖ The UN has set a target to have in the developing world.
- ❖ The interactive UN Hunger Map raises awareness about global hunger.



Source: <https://aisgeography.com/agriculture-maps-global-farming/>

## Map 5: ISRIC<sup>1</sup> Soil Grids 1KM

- ❖ ISRIC's 1km Global Soil Map helps with agricultural decision-making.
- ❖ Some of the greatest soil maps can be found with properties like taxonomy, organic carbon, pH in H<sub>2</sub>O, sand %, silt %, clay %, cation exchange capacity, bulk density and coarse fragments

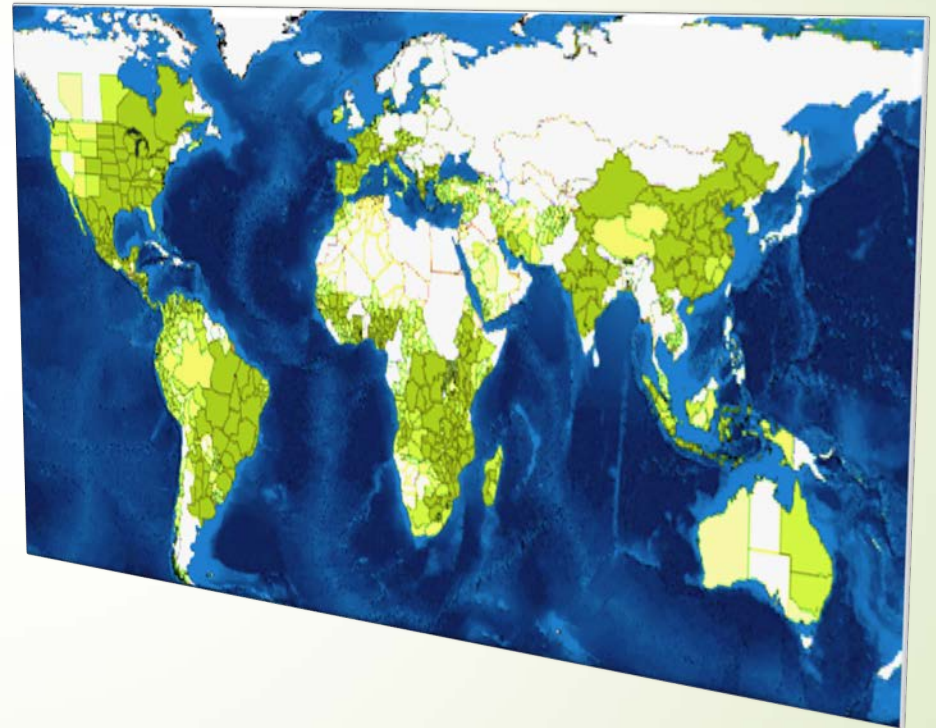


<sup>1</sup> International Soil Reference and Information Centre



## Map 6: FAO Global Spatial Database of Agricultural Land-use Statistics

- ❖ Agro-maps breaks down primary food crops by sub-national administrative districts.
- ❖ The information is aggregated by crop production, area harvested, and crop yields.
- ❖ About 40% of the global workforce is in agriculture (1.3 billion people) - this means that agriculture is the world's largest provider of jobs.
- ❖ In the FAO Global Spatial Database and Agricultural Land-use Interactive Map, you get a limited yet very important component of land use.



Source: <https://aisgeography.com/agriculture-maps-global-farming/>

# The Digital Age Helps Transform Bulk Agricultural Data into Useable Maps

- ▶ Using the United States Department of Agriculture's National Agricultural Statistics Service (**USDA NASS**), data can be collected on county, regional, state, or national basis on nearly any crop, animal, or other agricultural enterprise.
- ▶ Using the "**Quick Stats**" data entry sheet, choices can be made of many combinations of either Agricultural Census or Agricultural Survey information.
- ▶ The choices are seen in the next three slides –
  1. The blank data entry screen
  2. A partially completed top part of the data entry screen, and
  3. A partially completed bottom part of the same data entry screen.

The website address is: [NASS.USDA.GOV](http://NASS.USDA.GOV)



## Quick Stats

Navigation History:

### Select Commodity (one or more) <sup>?</sup>

**Program:**

- CENSUS SURVEY

**Sector:**

- ANIMALS & PRODUCTS
- CROPS
- DEMOGRAPHICS
- ECONOMICS
- ENVIRONMENTAL

**Group:**

- ANIMAL TOTALS
- AQUACULTURE
- CROP TOTALS
- DAIRY
- ENERGY
- EXPENSES
- FARMS & LAND & ASSETS
- FIELD CROPS
- FRUIT & TREE NUTS

**Commodity:**

- AG LAND
- AG SERVICES
- AG SERVICES & RENT
- ALCOHOL COPRODUCTS
- ALMONDS
- ALPACAS
- AMARANTH
- ANIMAL PRODUCTS, OTHER
- ANIMAL SECTOR

Keyword Search [Hints](#)

Search

Status: 34,983,030 records.

Select one or more items to filter records.  
There are currently 34,983,030 records available.

### Select Location (one or more) <sup>?</sup>

**Geographic Level:**

- AGRICULTURAL DISTRICT
- COUNTY
- INTERNATIONAL
- NATIONAL
- REGION : MULTI-STATE
- REGION : SUB-STATE
- STATE
- WATERSHED
- ZIP CODE

### Select Time (one or more) <sup>?</sup>

**Year:**

- 2019
- 2018

Clear

Get Data

The goal is to map out average Illinois Corn yield by county for the last 10 years that were reported (2008-2017).

## Quick Stats

Navigation History: Program->Sector->Group->Commodity->Category->Data Item->Locale->Domain->State->Ag. District

### Select Commodity (one or more)

Keyword Search [Hints](#)

Search

Status: 4,811 records.

Selected items filter to 4,811 of 34,983,030 total records. Press Get Data button below to retrieve records.

#### Program:

- CENSUS
- SURVEY

#### Sector:

- ANIMALS & PRODUCTS
- CROPS
- ECONOMICS
- ENVIRONMENTAL

#### Group:

- CROP TOTALS
- FIELD CROPS
- FRUIT & TREE NUTS
- HORTICULTURE
- VEGETABLES

#### Commodity:

- ALCOHOL COPRODUCTS
- BARLEY
- BEANS
- CAKE & MEAL
- CAMELINA
- CANOLA
- CORN
- COTTON
- CRUDE PINE GUM

#### Category:

- PROGRESS, 5 YEAR AVG
- PROGRESS, PREVIOUS YEAR
- RELATIVE WEIGHT
- ROW WIDTH
- SALES
- SAMPLES
- STOCKS
- USAGE
- YIELD

#### Data Item:

- CORN, GRAIN - YIELD, MEASURED IN BU / ACRE
- CORN, GRAIN - YIELD, MEASURED IN BU / NET PLANTED ACRE
- CORN, GRAIN, IRRIGATED - YIELD, MEASURED IN BU / ACRE
- CORN, GRAIN, IRRIGATED - YIELD, MEASURED IN BU / NET PLANTED ACRE
- CORN, GRAIN, NON-IRRIGATED - YIELD, MEASURED IN BU / ACRE
- CORN, GRAIN, NON-IRRIGATED - YIELD, MEASURED IN BU / NET PLANTED ACRE
- CORN, SILAGE - YIELD, MEASURED IN TONS / ACRE
- CORN, SILAGE, IRRIGATED - YIELD, MEASURED IN TONS / ACRE
- CORN, SILAGE, NON-IRRIGATED - YIELD, MEASURED IN TONS / ACRE

#### Domain:

- TOTAL

This is the top part of the data entry screen. Note that selections are "grayed" in each category.

### Select Location (one or more)

#### Geographic Level:

- AGRICULTURAL DISTRICT
- COUNTY
- NATIONAL
- REGION : MULTI-STATE
- STATE

#### State:

- FLORIDA
- GEORGIA
- IDAHO
- ILLINOIS
- INDIANA

#### Ag District:

- CENTRAL
- EAST
- EAST SOUTHEAST
- NORTHEAST
- NORTHWEST

#### County:

- ALEXANDER
- BOND
- CALHOUN
- CASS
- CHRISTIAN

Clear

Get Data

## Quick Stats

CORN, GRAIN - YIELD, MEASURED IN BU / NET PLANTED ACRE  
CORN, GRAIN, IRRIGATED - YIELD, MEASURED IN BU / ACRE  
CORN, GRAIN, IRRIGATED - YIELD, MEASURED IN BU / NET PLANTED ACRE  
CORN, GRAIN, NON-IRRIGATED - YIELD, MEASURED IN BU / ACRE  
CORN, GRAIN, NON-IRRIGATED - YIELD, MEASURED IN BU / NET PLANTED ACRE  
CORN, SILAGE - YIELD, MEASURED IN TONS / ACRE  
CORN, SILAGE, IRRIGATED - YIELD, MEASURED IN TONS / ACRE  
CORN, SILAGE, NON-IRRIGATED - YIELD, MEASURED IN TONS / ACRE

### Select Location (one or more)

#### Geographic Level:

AGRICULTURAL DISTRICT  
COUNTY  
NATIONAL  
REGION : MULTI-STATE  
STATE

#### State:

FLORIDA  
GEORGIA  
IDAHO  
ILLINOIS  
INDIANA  
IOWA  
KANSAS  
KENTUCKY  
LOUISIANA  
MARYLAND

#### Ag District:

CENTRAL  
EAST  
EAST SOUTHEAST  
NORTHEAST  
NORTHWEST  
SOUTHEAST  
SOUTHWEST  
WEST  
WEST SOUTHWEST

#### County:

ALEXANDER  
BOND  
CALHOUN  
CASS  
CHRISTIAN  
CLARK  
CLAY  
CLINTON  
COLES

### Select Time (one or more)

#### Year:

2014  
2013  
2012  
2011  
2010  
2009  
2008  
2007  
2006

#### Period Type:

ANNUAL

#### Period:

YEAR

Clear Get Data

This is the bottom part of the data entry screen. The State is currently selected, which includes all Ag Districts and Counties. Years are "grayed" out with earlier ones selected shown.

After all choices on the entry screen are made (using Ctrl and Shift keys for multiple selections), click "Get Data"



CORN, GRAIN - YIELD, MEASURED IN BU / ACRE(AVERAGE -> 2017 - ANNUAL, 2016 - ANNUAL, 2015 - ANNUAL, 2014 - ANNUAL, 2013 - ANNUAL, 2012 - ANNUAL, 2011 - ANNUAL, 2010 - ANNUAL, 2009 - ANNUAL, 2008 - ANNUAL)

[Printer Friendly](#)



**Data Item:**  
CORN, GRAIN - YIELD, MEASURED IN BU / ACRE

**Time Period:**  
2012 - ANNUAL ▲  
2011 - ANNUAL  
2010 - ANNUAL  
2009 - ANNUAL  
2008 - ANNUAL ▼

State Level  County Level

**BU / ACRE**

< 55.70
55.70 - 124.78
124.78 - 138.40
138.40 - 148.67
148.67 - 159.90
159.90 - 193.70
>= 193.70
Data Withheld



Quick Stats

Your resulting screen looks like this. Click "Spreadsheet"

Double click any cell below to filter the data by

Navigation History: Data

[Save](#) :: [Spreadsheet](#) :: [Printable](#) :: [Map](#) :: (495 rows)

Program	Year	Period	Geo Level	State	State ANSI	Ag District	Ag District Code	County	County ANSI	watershed_code	Commo	Data Item	Domain	Domain Category	Value
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	CLARK	023	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	18
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	CLAY	025	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	11
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	COLES	029	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	20
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	CRAWFORD	033	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	17
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	CUMBERLAND	035	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	18
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	DOUGLAS	041	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	21
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	EDGAR	045	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	20
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	EFFINGHAM	049	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	18
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	FAYETTE	051	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	17
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	JASPER	079	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	17
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	LAWRENCE	101	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	16
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	MARION	121	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	14
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	MOULTRIE	139	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	21
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST SOUTHEAST	70	RICHLAND	159	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	14

[Back](#)

[Abbreviations and Symbols](#)

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File Home Insert Draw Page Layout Formulas Data Review View Help Power Pivot Tell me what you want to do Share

Clipboard Font Alignment Number Styles Cells Editing

A1 Program

	A	B	C	D	E	F	G	H	I	J	K	L	N	O	P	Q	R	S	T	U	
1	Program	Year	Period	Week End	Geo Level	State	State ANS	Ag District	Ag District	County	County ANS	Zip Code	Region	Watershed	Watershed	Commodity	Data Item	Domain	Domain C	Value	CV (%)
2	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLARK	23			0	CORN	CORN, GR	TOTAL	NOT SPEC	185.9		
3	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0	CORN	CORN, GR	TOTAL	NOT SPEC	119.6		
4	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	COLES	29				CORN	CORN, GR	TOTAL	NOT SPEC	208.3		
5	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CRAWFOR	33				CORN	CORN, GR	TOTAL	NOT SPEC	172.5		
6	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CUMBERL	35				CORN	CORN, GR	TOTAL	NOT SPEC	181.2		
7	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	DOUGLAS	41				CORN	CORN, GR	TOTAL	NOT SPEC	211.9		
8	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	EDGAR	45					GR	TOTAL	NOT SPEC	206.4		
9	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	EFFINGHA	49						TOTAL	NOT SPEC	188.8		
10	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	FAYETTE	51							NOT SPEC	170.3		
11	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	JASPER	7							NOT SPEC	179.4		
12	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	LAWRENC	1							NOT SPEC	165.1		
13	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	MARION	1							NOT SPEC	144.1		
14	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	MOULTRIE	1							NOT SPEC	215.6		
15	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	RICHLAND	15							NOT SPEC	148		
16	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	SHELBY	1							NOT SPEC	198.6		
17	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	EDWAR	1							NOT SPEC	171.4		
18	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90		55							NOT SPEC	157		
19	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	BALLATIN	59			0	CORN	CORN, GR	TOTAL	NOT SPEC	190.3		
20	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	HAMILTON	65			0	CORN	CORN, GR	TOTAL	NOT SPEC	174.2		
21	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	JEFFERSO	81			0	CORN	CORN, GR	TOTAL	NOT SPEC	127.9		
22	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	MASSAC	127			0	CORN	CORN, GR	TOTAL	NOT SPEC	178.8		
23	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	OTHER (COMBINED) COUNTIES				0	CORN	CORN, GR	TOTAL	NOT SPEC	164.1		

FC861838-79D5-3852-B179-DCE9E03

Ready 100%

After you click "Spreadsheet", you get a .csv file like this. Note that the file name has the .csv extension and the tab is the same except with extension being \*.csv.

AutoSave Off Mapping Agricultural Data Using Excel® 2016.xlsx - Saved Phil Hamilton

File Home Insert Draw Page Layout Formulas Data Review View Help Power Pivot Tell me what you want to do Share

Clipboard Font Alignment Number Styles Cells Editing

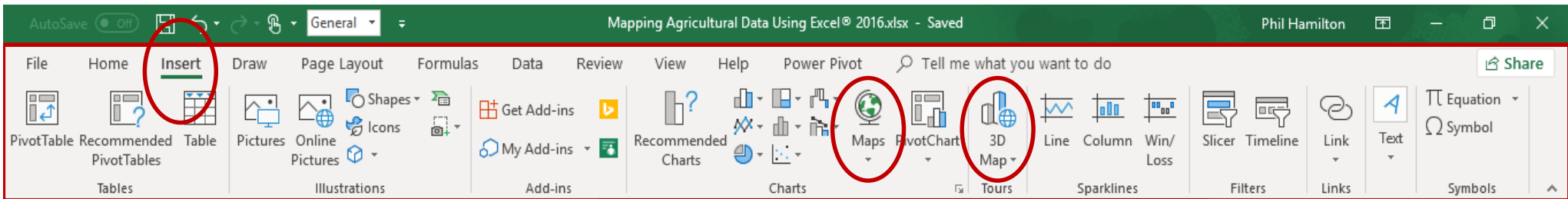
A1 Program

Program	Year	Period	Week End	Geo Level	State	State ANS	Ag District	Ag District	County	County AN	Zip Code	Region	watershe	Watershe	Commodi	Data Item	Domain	Domain C	Value	CV (%)
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLARK	23			0		CORN	CORN, GR	TOTAL	NOT SPEC	185.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	119.6	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	COLES	29			0		CORN	CORN, GR	TOTAL	NOT SPEC	208.3	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CRAWFOR	33			0		CORN	CORN, GR	TOTAL	NOT SPEC	172.5	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CUMBERL	35			0		CORN	CORN, GR	TOTAL	NOT SPEC	181.2	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	DOUGLAS	41			0		CORN	CORN, GR	TOTAL	NOT SPEC	211.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	EDGAR	45						CORN, GR	TOTAL	NOT SPEC	206.4	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	EFFINGHA	49							TOTAL	NOT SPEC	188.8	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	FAYETTE	51								NOT SPEC	170.3	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	JASPER	79								NOT SPEC	179.4	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	LAWRENC	107								NOT SPEC	165.1	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	MARION	127								NOT SPEC	144.1	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	MOULTRIE	133								NOT SPEC	215.6	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	RICHLAND	159								NOT SPEC	148	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	SHELBY									NOT SPEC	198.6	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	EDWA									NOT SPEC	171.4	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS			55								NOT SPEC	157	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS			59								NOT SPEC	190.3	
SURVEY	2017	YEAR		COUNTY	ILLINOIS			90	HAMILTON	65								NOT SPEC	174.2	
SURVEY	2017	YEAR		COUNTY	ILLINOIS			90	JEFFERSO	81								NOT SPEC	127.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS			90	MASSAC	127								NOT SPEC	178.8	
SURVEY	2017	YEAR		COUNTY	ILLINOIS			90	OTHER (COMBINED) COUNTIES									NOT SPEC	164.1	

10 yr Corn Yield

Ready 100%

I changed the tab name and also the file name to something that is more relevant to my subject: 10 Yr Corn Yield and saved as \*.xlsx file.



By clicking "Insert" the ribbon above provides "Maps" and "3D Map" options.

Program	Year	Period	Week End	Geo Level	State	State ANS	Ag District	Ag District	County	County ANS	Zip Code	Region	watershed	Watershed	Commodity	Data Item	Domain	Domain C	Value	CV (%)
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLARK	23			0		CORN	CORN, GR	TOTAL	NOT SPEC	185.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	119.6	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	COLES	29			0		CORN	CORN, GR	TOTAL	NOT SPEC	208.3	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CRAWFOR	33			0		CORN	CORN, GR	TOTAL	NOT SPEC	172.5	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CUMBERL	35			0		CORN	CORN, GR	TOTAL	NOT SPEC	181.2	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	DOUGLAS	41			0		CORN	CORN, GR	TOTAL	NOT SPEC	211.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	EDGAR	45			0		CORN	CORN, GR	TOTAL	NOT SPEC	206.4	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	EFFINGHA	49			0		CORN	CORN, GR	TOTAL	NOT SPEC	188.8	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	FAYETTE	51			0		CORN	CORN, GR	TOTAL	NOT SPEC	170.3	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	JASPER	79			0		CORN	CORN, GR	TOTAL	NOT SPEC	179.4	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	LAWRENC	101			0		CORN	CORN, GR	TOTAL	NOT SPEC	165.1	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	MARION	121			0		CORN	CORN, GR	TOTAL	NOT SPEC	144.1	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	MOULTRIE	139			0		CORN	CORN, GR	TOTAL	NOT SPEC	215.6	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	RICHLAND	159			0		CORN	CORN, GR	TOTAL	NOT SPEC	148	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	SHELBY	173			0		CORN	CORN, GR	TOTAL	NOT SPEC	198.6	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	EDWARDS	47			0		CORN	CORN, GR	TOTAL	NOT SPEC	171.4	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	FRANKLIN	55			0		CORN	CORN, GR	TOTAL	NOT SPEC	157	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	GALLATIN	59			0		CORN	CORN, GR	TOTAL	NOT SPEC	190.3	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	HAMILTON	65			0		CORN	CORN, GR	TOTAL	NOT SPEC	174.2	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	JEFFERSO	81			0		CORN	CORN, GR	TOTAL	NOT SPEC	127.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	MASSAC	127			0		CORN	CORN, GR	TOTAL	NOT SPEC	178.8	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	OTHER (COMBINED) COUNTIES				0		CORN	CORN, GR	TOTAL	NOT SPEC	164.1	



AutoSave Mapping Agricultural Data Using Excel® 2016.xlsx - Saved Phil Hamilton

File Home **Insert** Draw Page Layout Formulas Data Review View Help Power Pivot Tell me what you want to do

PivotTable Recommended Table Pictures Online Shapes Icons Shapes Icons My Add-ins Recommended Charts Maps PivotChart 3D Map Line Column Win/Loss Slicer Timeline Link Text

A1 Program

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Program	Year	Period	Week End	Geo Level	State	State ANS	Ag District	Ag District	County	County ANS	County ANS	County ANS	County ANS	County ANS	County ANS	County ANS	County ANS	County ANS	County ANS
2	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLARK	23			0		CORN	CORN, GR TOTAL	NOT SPEC		
3	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR TOTAL	NOT SPEC		
4	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	COLES	29			0		CORN	CORN, GR TOTAL	NOT SPEC		
5	SURVEY	2017	YEAR		COUNTY	ILLINOIS														
6	SURVEY	2017	YEAR		COUNTY	ILLINOIS														
7	SURVEY	2017	YEAR		COUNTY	ILLINOIS														
8	SURVEY	2017	YEAR		COUNTY	ILLINOIS														
9	SURVEY	2017	YEAR		COUNTY	ILLINOIS														
10	SURVEY	2017	YEAR		COUNTY	ILLINOIS														
11	SURVEY	2017	YEAR		COUNTY	ILLINOIS														
12	SURVEY	2017	YEAR		COUNTY	ILLINOIS														
13	SURVEY	2017	YEAR		COUNTY	ILLINOIS														
14	SURVEY	2017	YEAR		COUNTY	ILLINOIS														
15	SURVEY	2017	YEAR		COUNTY	ILLINOIS										CORN	CORN, GR TOTAL	NOT SPEC		
16	SURVEY	2017	YEAR		COUNTY	ILLINOIS										CORN	CORN, GR TOTAL	NOT SPEC		
17	SURVEY	2017	YEAR		COUNTY	ILLINOIS										CORN	CORN, GR TOTAL	NOT SPEC		
18	SURVEY	2017	YEAR		COUNTY	ILLINOIS										CORN	CORN, GR TOTAL	NOT SPEC		
19	SURVEY	2017	YEAR		COUNTY	ILLINOIS										CORN	CORN, GR TOTAL	NOT SPEC		
20	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	HAMILTON	65			0		CORN	CORN, GR TOTAL	NOT SPEC		
21	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	JEFFERSON	81			0		CORN	CORN, GR TOTAL	NOT SPEC		
22	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	MASSAC	127			0		CORN	CORN, GR TOTAL	NOT SPEC		
23	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	OTHER (COMBINED) COUNTIES				0		CORN	CORN, GR TOTAL	NOT SPEC		

10 yr Corn Yield

Ready

By clicking "Maps" on the ribbon above the "Filled Map" icon is shown as is seen in the circle above.

By clicking the icon, we get the map as shown on the next slide (remember, we chose only southern counties).

AutoSave Off Mapping Agricultural Data Using Excel® 2016.xlsx - Excel Phil Hamilton

File Home Insert Draw Page Layout Formulas Data Review View Help Power Pivot Design Format Tell me what you want to do Share

Add Chart Quick Element Layout Change Colors Chart Layouts Chart Styles Switch Row/Column Select Data Change Chart Type Move Chart Data Type Location

Chart 1

Program	Year	Period	Week End	Geo Level	State	State ANS	Ag District	Ag District	County	County AN	Zip Code	Region	watershe	Watershe	Commodi	Data Item	Domain	Domain C	Value	CV (%)
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLARK	23			0		CORN	CORN, GR	TOTAL	NOT SPEC	185.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	119.6	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	COLES	29			0		CORN	CORN, GR	TOTAL	NOT SPEC	208.3	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLARK	23			0		CORN	CORN, GR	TOTAL	NOT SPEC	172.5	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	181.2	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	211.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	206.4	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	188.8	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	170.3	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	179.4	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	165.1	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	144.1	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	215.6	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	148	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	198.6	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	171.4	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	157	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR	TOTAL	NOT SPEC	190.3	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	HAMILTOI	65			0		CORN	CORN, GR	TOTAL	NOT SPEC	174.2	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	JEFFERSO	81			0		CORN	CORN, GR	TOTAL	NOT SPEC	127.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	MASSAC	127			0		CORN	CORN, GR	TOTAL	NOT SPEC	178.8	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	SOUTHEAS	90	OTHER (COMBINED) COUNTIES				0		CORN	CORN, GR	TOTAL	NOT SPEC	164.1	

Chart Title

County ANSI  
199  
3

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10 yr Corn Yield

Ready

I chose Southeast, Southwest, East Southeast, and West Southwest to get the counties showing on the map to the right.

## Quick Stats

Select Commodity (one or more) 

Keyword Search

Selected items filter to 394 of 34,963,030 total records. Press Get Data button below to retrieve records.

<b>Program:</b> CENSUS SURVEY	<b>Sector:</b> ANIMALS & PRODUCTS CROPS ECONOMICS ENVIRONMENTAL	<b>Group:</b> CROP TOTALS FIELD CROPS FRUIT & TREE NUTS HORTICULTURE VEGETABLES	<b>Commodity:</b> ALCOHOL COPRODUCTS BARLEY BEANS CAKE & MEAL CAMELINA CANOLA CORN COTTON CRUDE PINE GUM	<b>Category:</b> PROGRESS, 5 YEAR AVG PROGRESS, PREVIOUS YEAR RELATIVE WEIGHT ROW WIDTH SALES SAMPLES STOCKS USAGE YIELD
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<b>Data Item:</b> CORN, GRAIN - YIELD, MEASURED IN BU / ACRE CORN, GRAIN - YIELD, MEASURED IN BU / NET PLANTED ACRE CORN, GRAIN, IRRIGATED - YIELD, MEASURED IN BU / ACRE CORN, GRAIN, IRRIGATED - YIELD, MEASURED IN BU / NET PLANTED ACRE CORN, GRAIN, NON-IRRIGATED - YIELD, MEASURED IN BU / ACRE CORN, GRAIN, NON-IRRIGATED - YIELD, MEASURED IN BU / NET PLANTED ACRE CORN, SILAGE - YIELD, MEASURED IN TONS / ACRE CORN, SILAGE, IRRIGATED - YIELD, MEASURED IN TONS / ACRE CORN, SILAGE, NON-IRRIGATED - YIELD, MEASURED IN TONS / ACRE	<b>Domain:</b> TOTAL
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Select Location (one or more) 

<b>Geographic Level:</b> AGRICULTURAL DISTRICT COUNTY NATIONAL REGION : MULTI-STATE STATE	<b>State:</b> IDAHO ILLINOIS INDIANA IOWA KANSAS KENTUCKY LOUISIANA	<b>Ag District:</b> CENTRAL EAST EAST SOUTHEAST NORTHEAST NORTHWEST SOUTHEAST SOUTHWEST	<b>County:</b> BOONE BUREAU CARROLL CHAMPAIGN COOK DE KALB DE WITT
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This time I am selecting northern counties to map.



Quick Stats

Double click any cell below to filter the data by that item. Right click on column heading to pivot or hide columns.

Navigation History: Data

Save :: Spreadsheet :: Printable :: Map :: (484 rows)

Program	Year	Period	Geo Level	State	State ANSI	Ag District	Ag District Code	County	County ANSI	watershed_code	Commodity	Item	Domain	Domain Category	Value
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	DE WITT	038		CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	201.1
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	LOGAN	077	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	213
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	MASON	115	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	218.5
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	MASON	123	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	230.7
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	MASON	125	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	201.8
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	MCLEAN	113	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	223.9
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	MENARD	129	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	220.7
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	PEORIA	143	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	227.7
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	STARK	175	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	230.4
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	TAZEWELL	179	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	227.9
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	WOODFORD	203	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	214.2
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST	50	CHAMPAIGN	019	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	208.8
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST	50	FORD	053	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	212.4
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST	50	IROQUOIS	075	00000000	CORN	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	199

After choosing the northern counties, I again click Spreadsheet.

Back

[Abbreviations and Symbols](#)



File Home Insert Draw Page Layout Formulas Data Review View Help Power Pivot **Design** Format Tell me what you want to do Share

Add Chart Quick Layout Change Colors Chart Layouts Chart Styles Switch Row/Column Select Data Change Chart Type Move Chart Data Type Location

Chart 1

1	Program	Year	Period	Week End	Geo Level	State	State ANS	Ag District	Ag District	County	County ANS	Zip Code	Region	watershe	Watershe	Commodi	Data Item	Domain	Domain C	Value	CV (%)
2	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	DE WITT	39			0		CORN	CORN, GR	TOTAL	NOT SPEC	201.1	
3	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	LOGAN	107			0		CORN	CORN, GR	TOTAL	NOT SPEC	213	
4	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	216.5	
5	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	230.7	
6	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	201.8	
7	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	223.9	
8	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	220.7	
9	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	227.7	
10	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	230.4	
11	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	227.9	
12	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	214.2	
13	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	206.8	
14	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	212.4	
15	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	199	
16	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	195.9	
17	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	209.9	
18	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	216.7	
19	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR	TOTAL	NOT SPEC	194.2	
20	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	NORTHEA	20	BOONE	7			0		CORN	CORN, GR	TOTAL	NOT SPEC	189.9	
21	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	NORTHEA	20	DE KALB	37			0		CORN	CORN, GR	TOTAL	NOT SPEC	204.1	
22	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	NORTHEA	20	GRUNDY	63			0		CORN	CORN, GR	TOTAL	NOT SPEC	208.7	
23	SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	NORTHEA	20	KANE	89			0		CORN	CORN, GR	TOTAL	NOT SPEC	176.4	

Chart Title

County ANS

203

1

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Northern Illinois Corn Yield

Ready

100%

I chose Central and Northern counties to get the counties showing on the map to the right.

## Quick Stats

<b>Program:</b> CENSUS SURVEY	<b>Sector:</b> ANIMALS & PRODUCTS CROPS ECONOMICS ENVIRONMENTAL	<b>Group:</b> CROP TOTALS FIELD CROPS FRUIT & TREE NUTS HORTICULTURE VEGETABLES	<b>Commodity:</b> ALCOHOL COPRODUCTS BARLEY BEANS CAKE & MEAL CAMELINA CANOLA CORN COTTON CRUDE PINE GUM	<b>Category:</b> PROGRESS, 5 YEAR AVG PROGRESS, PREVIOUS YEAR RELATIVE WEIGHT ROW WIDTH SALES SAMPLES STOCKS USAGE YIELD
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<b>Data Item:</b> CORN, GRAIN - YIELD, MEASURED IN BU / ACRE CORN, GRAIN - YIELD, MEASURED IN BU / NET PLANTED ACRE CORN, GRAIN, IRRIGATED - YIELD, MEASURED IN BU / ACRE CORN, GRAIN, IRRIGATED - YIELD, MEASURED IN BU / NET PLANTED ACRE CORN, GRAIN, NON-IRRIGATED - YIELD, MEASURED IN BU / ACRE CORN, GRAIN, NON-IRRIGATED - YIELD, MEASURED IN BU / NET PLANTED ACRE CORN, SILAGE - YIELD, MEASURED IN TONS / ACRE CORN, SILAGE, IRRIGATED - YIELD, MEASURED IN TONS / ACRE CORN, SILAGE, NON-IRRIGATED - YIELD, MEASURED IN TONS / ACRE
--

<b>Domain:</b> TOTAL
-------------------------

This time I am selecting all Illinois Corn counties, so I just highlight Illinois and do not select either Ag District or individual County.

### Select Location (one or more)

<b>Geographic Level:</b> AGRICULTURAL DISTRICT COUNTY NATIONAL REGION : MULTI-STATE STATE	<b>State:</b> IDAHO ILLINOIS INDIANA IOWA KANSAS KENTUCKY LOUISIANA MARYLAND MICHIGAN	<b>Ag District:</b> CENTRAL EAST EAST SOUTHEAST NORTHEAST NORTHWEST SOUTHEAST SOUTHWEST WEST WEST SOUTHWEST	<b>County:</b> ADAMS ALEXANDER BOND BOONE BROWN BUREAU CALHOUN CARROLL CASS
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## Quick Stats

Double click any cell below to filter the data by that item. Right click on column heading to pivot or hide columns.

Navigation History: Data

[Save](#) :: [Spreadsheet](#) :: [Printable](#) :: [Map](#) :: (979 rows)

Program	Year	Period	Geo Level	State	State ANSI	Ag District	Ag District Code	County	County ANSI	watershed	Data Item	Domain	Domain Category	Value
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	DE WITT		00000000	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	201.1
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	LOGAN	107	00000000	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	213
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	LOGAN	115	00000000	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	216.5
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	MARSHALL	123	00000000	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	230.7
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	MASON	125	00000000	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	201.8
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	MCLEAN	113	00000000	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	223.9
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	MENARD	129	00000000	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	220.7
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	PEORIA	143	00000000	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	227.7
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	STARK	175	00000000	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	230.4
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	TAZEWELL	179	00000000	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	227.9
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	CENTRAL	40	WOODFORD	203	00000000	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	214.2
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST	50	CHAMPAIGN	019	00000000	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	208.8
SURVEY	2017	YEAR	COUNTY	ILLINOIS	17	EAST	50	FORD	063	00000000	CORN, GRAIN - YIELD, MEASURED IN BU / ACRE	TOTAL	NOT SPECIFIED	212.4

After I click "Get Data", I click Spreadsheet to create my \*.csv file.

[Back](#)

[Abbreviations and Symbols](#)

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Phil Hamilton

File Home Insert Draw Page Layout Formulas Data Review View Help Power Pivot Tell me what you want to do

Clipboard Font Alignment Number Styles Cells Editing

AutoSave Off

Normal Bad Good Neutral

Program

Program	Year	Period	Week End	Geo Level	State	State ANS	Ag District	Ag District	County	County A	Zip Code	Region	watershe	Watershe	Commodi	Data Item	Domain	Domain C	Value	CV (%)
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	DE WITT	39			0		CORN	CORN, GR. TOTAL	NOT SPEC		201.1	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	LOGAN	107			0		CORN	CORN, GR. TOTAL	NOT SPEC		213	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MACON	115			0		CORN	CORN, GR. TOTAL	NOT SPEC		216.5	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MARSHAL	123			0		CORN	CORN, GR. TOTAL	NOT SPEC		230.7	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MASON	125			0		CORN	CORN, GR. TOTAL	NOT SPEC		201.8	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MCLEAN	113			0		CORN	CORN, GR. TOTAL	NOT SPEC		223.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MENARD	129			0		CORN	CORN, GR. TOTAL	NOT SPEC		220.7	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MONROE	143			0		CORN	CORN, GR. TOTAL	NOT SPEC		227.7	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MONTGOMERY	175			0		CORN	CORN, GR. TOTAL	NOT SPEC		230.4	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MORGAN	179			0		CORN	CORN, GR. TOTAL	NOT SPEC		227.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	MURPHY	203			0		CORN	CORN, GR. TOTAL	NOT SPEC		214.2	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	PAIK	19			0		CORN	CORN, GR. TOTAL	NOT SPEC		206.8	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	PIATT	53			0		CORN	CORN, GR. TOTAL	NOT SPEC		212.4	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	PIATT	75			0		CORN	CORN, GR. TOTAL	NOT SPEC		199	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	40	PIATT	91			0		CORN	CORN, GR. TOTAL	NOT SPEC		195.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	50	LIVINGSTON	105			0		CORN	CORN, GR. TOTAL	NOT SPEC		209.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	CENTRAL	50	PIATT	147			0		CORN	CORN, GR. TOTAL	NOT SPEC		216.7	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST	50	VERMILIO	183			0		CORN	CORN, GR. TOTAL	NOT SPEC		194.2	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLARK	23			0		CORN	CORN, GR. TOTAL	NOT SPEC		185.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CLAY	25			0		CORN	CORN, GR. TOTAL	NOT SPEC		119.6	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	COLES	29			0		CORN	CORN, GR. TOTAL	NOT SPEC		208.3	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CRAWFORD	33			0		CORN	CORN, GR. TOTAL	NOT SPEC		172.5	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	CUMBERLAND	35			0		CORN	CORN, GR. TOTAL	NOT SPEC		181.2	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	DOUGLAS	41			0		CORN	CORN, GR. TOTAL	NOT SPEC		211.9	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	EDGAR	45			0		CORN	CORN, GR. TOTAL	NOT SPEC		206.4	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	EFFINGHAM	49			0		CORN	CORN, GR. TOTAL	NOT SPEC		188.8	
SURVEY	2017	YEAR		COUNTY	ILLINOIS	17	EAST SOU	70	FAYETTE	51			0		CORN	CORN, GR. TOTAL	NOT SPEC		170.3	

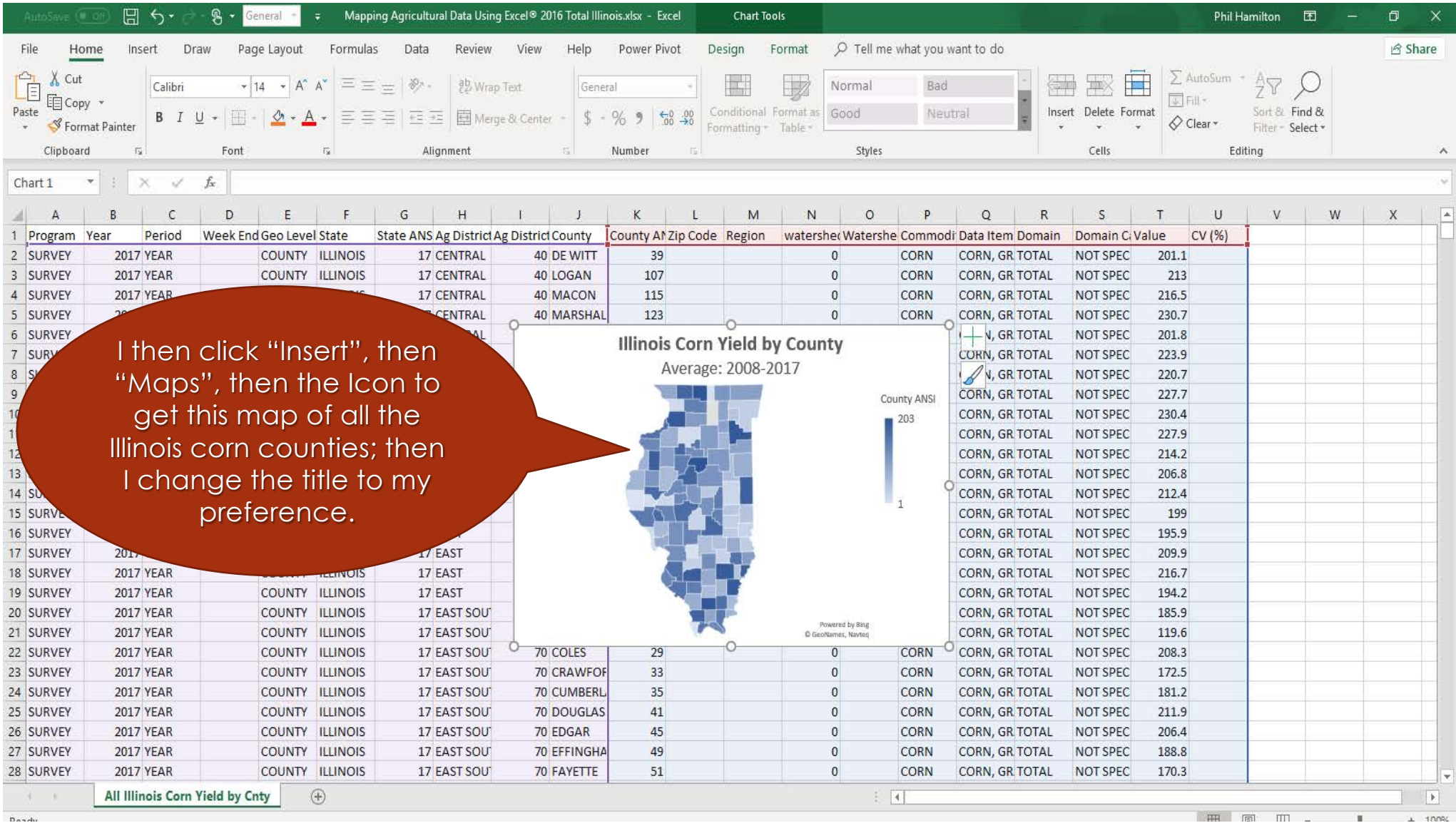
I now convert to my Excel® spreadsheet (\*.xlsx) file.

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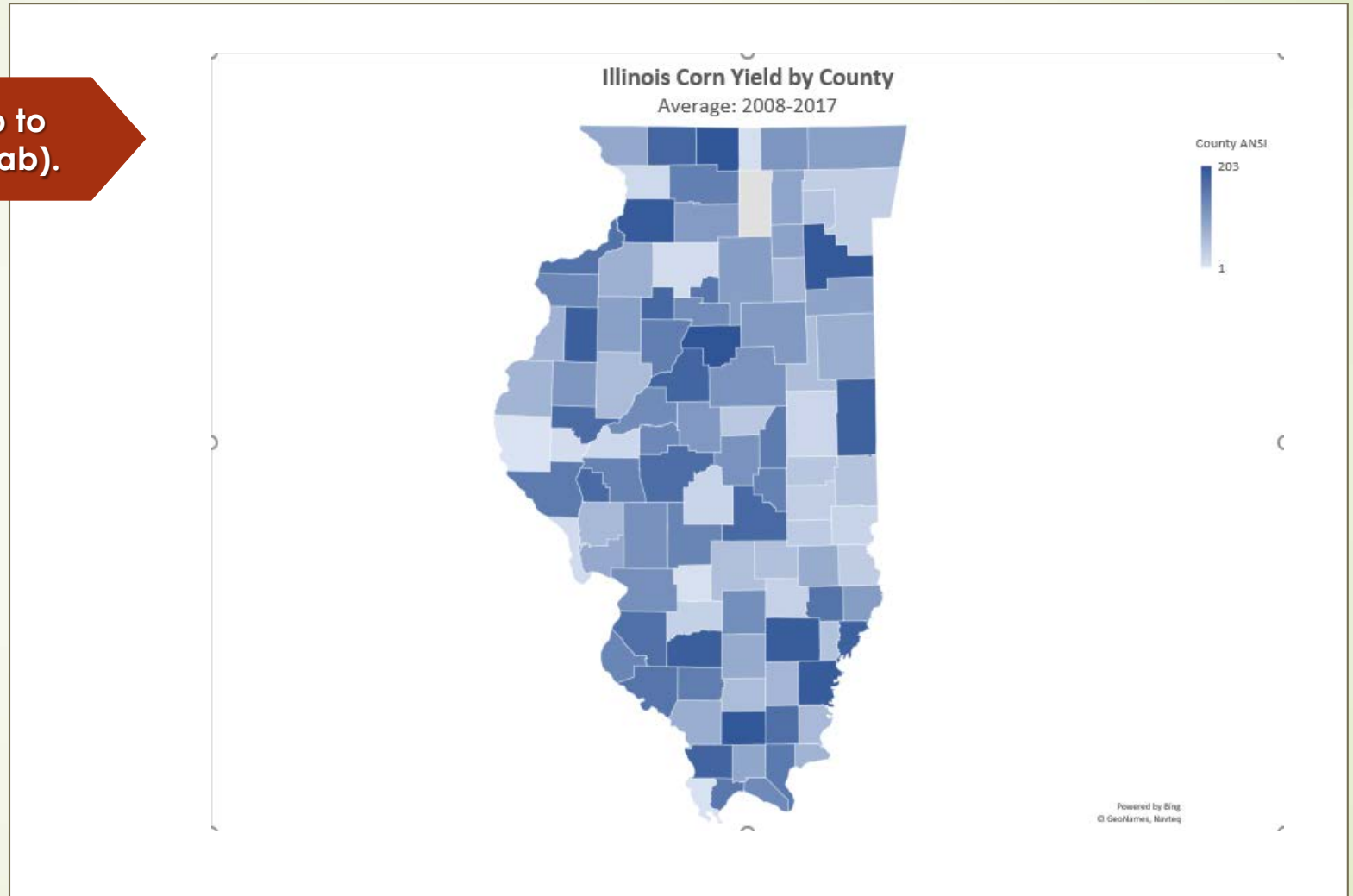
Ready

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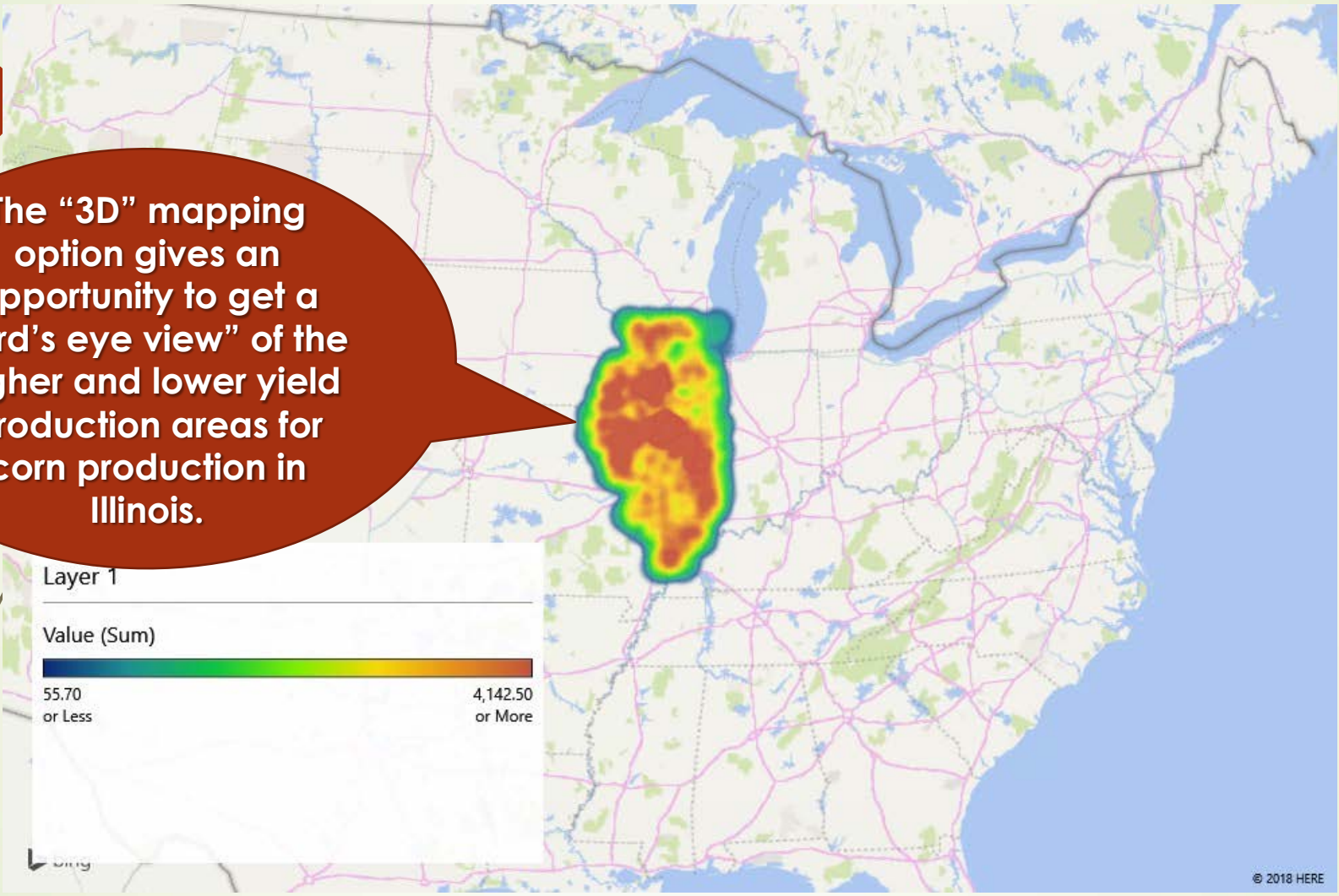




I can move the map to its own worksheet (tab).



The "3D" mapping option gives an opportunity to get a "bird's eye view" of the higher and lower yield production areas for corn production in Illinois.



## Agricultural Maps for Decision Making

- Agriculture feeds the globe. We can see which crop types are suited for different environments in this list of agricultural maps.
- Farming also faces a number of problems – population increase, climate change, hunger and water stress.
- Agricultural maps can convey this information to make knowledgeable decisions.
- Instantly, you have become more knowledgeable about agricultural issues with the agricultural maps showcased and your ability to use Excel 2016 Mapping.