

CropScape Demo

Innovations to Minimize Crop Loss in a Changing Climate

Rick Mueller National Agricultural Statistics Service February 24, 2012





CropScape

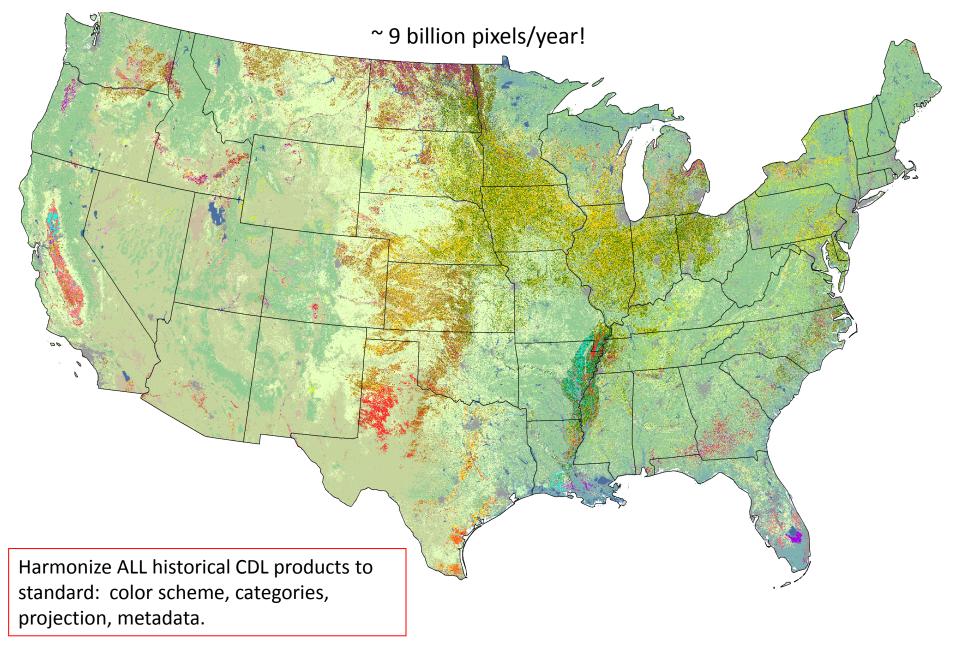


- A web service based interactive map visualization, dissemination and querying system for U.S. cropland
 - No burden on users
 - No client software development & installation
 - No special software tools needed
 - Data mashable
 - Democratization of data
 - Equitable information access, automatic timely delivery, and geospatial navigation
- Collaboration with George Mason University/Center for Spatial Information Science and Systems (CSISS)

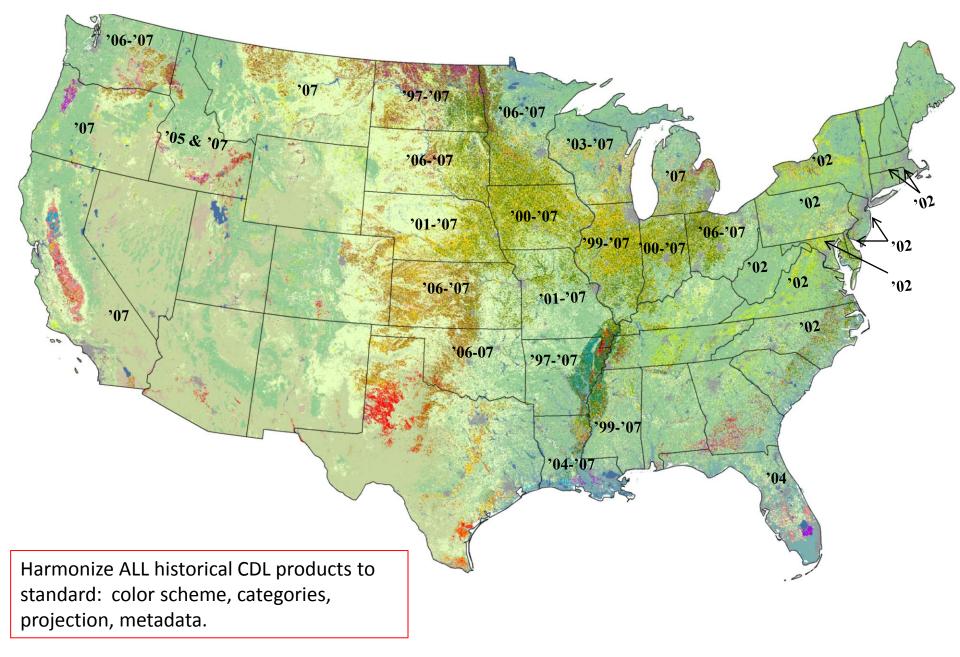
http://nassgeodata.gmu.edu/CropScape



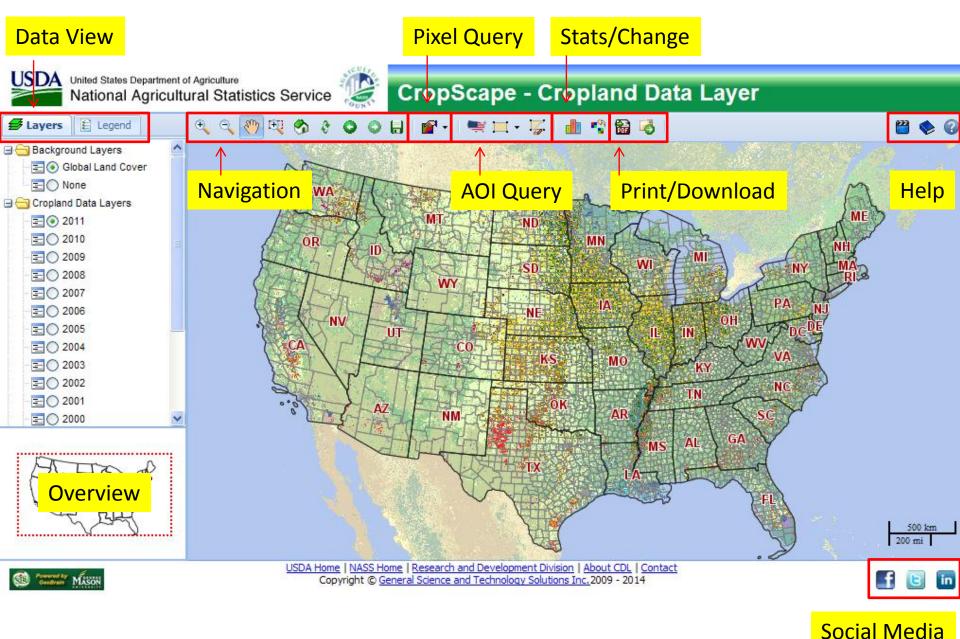
2008 – 2011 National Cropland Data Layers



1997 – 2007 Cropland Data Layers



CropScape Components



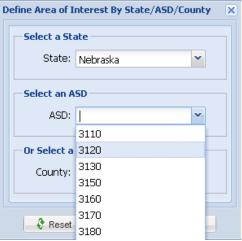
Select an Area of Interest

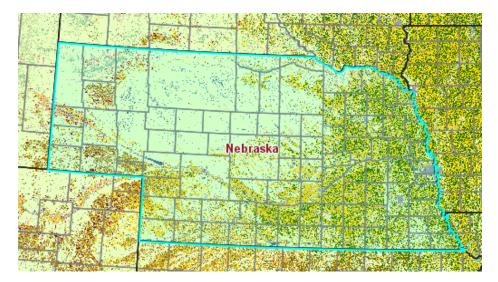


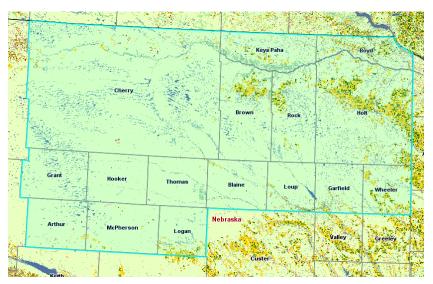
By State

Define Area of Interest By State/ASD/County	×
Select a State	
State: Nebraska 👻	
Select an ASD	
ASD: Select an ASD	
Or Select a County	
County: Select a county	
🗞 Reset 🥑 Submit 😣 Cancel	

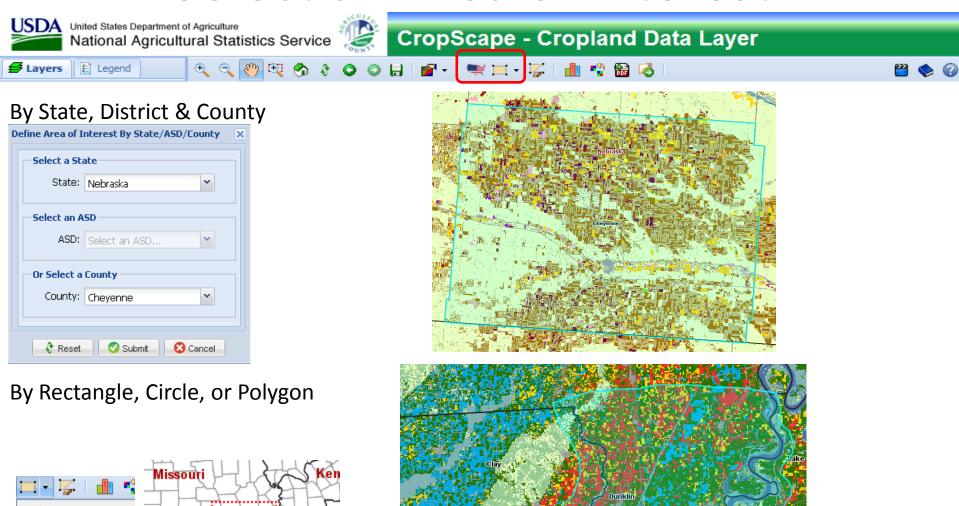
By State & ASD







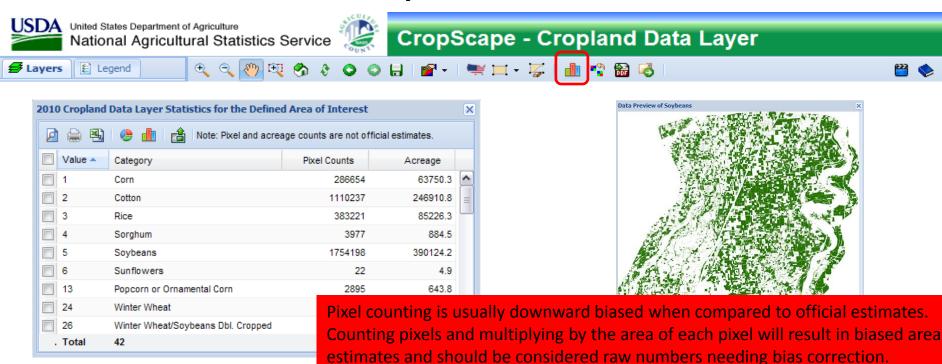
Select an Area of Interest

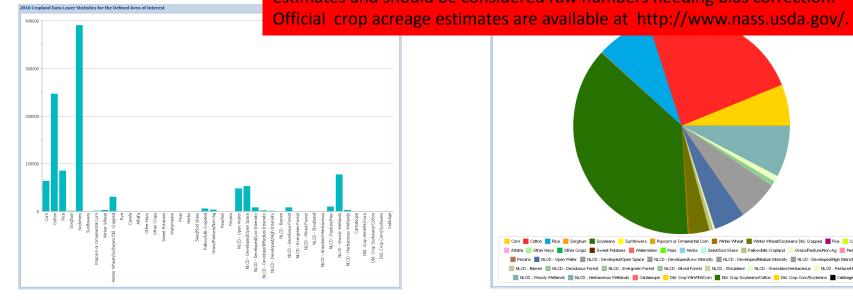


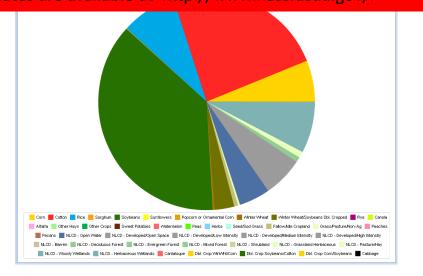
Pemiscol



Crop Statistics



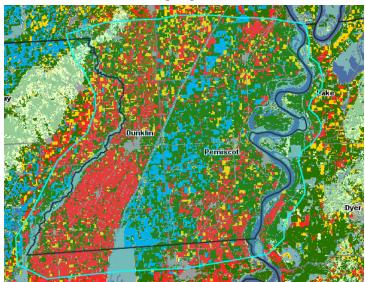


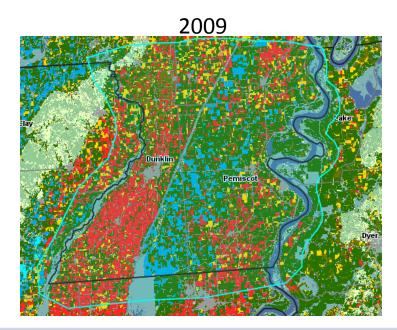


Change Analysis



2010





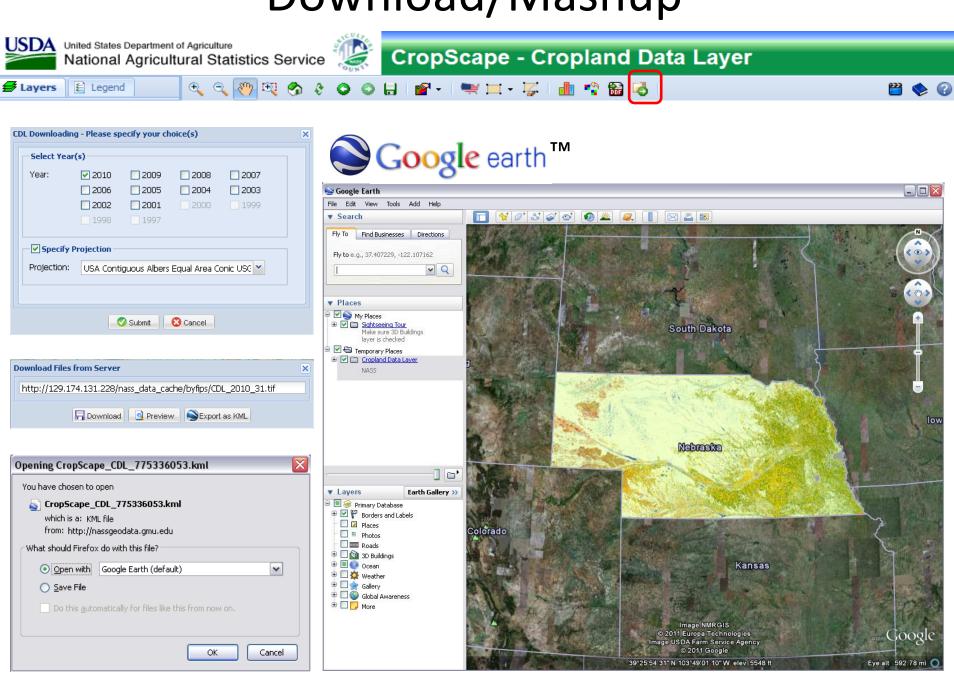
X

Cropland Data Layer Changes between 2010 and 2009

2010 🔺	2009	Pixel Counts	Acreage	
Soybeans	Soybeans	322645	250024.6	^
Soybeans	Popcorn or Ornamental Corn	175	135.6	
Soybeans	Winter Wheat	1202	931.5	
Soybeans	Winter Wheat/Soybeans Dbl. Cropped	39529	30631.9	
Soybeans	Rye	12	9.3	
Soybeans	Other Hays	11	8.5	
Soybeans	Dry Beans	2	1.5	(=
Soybeans	Other Crops	1	0.8	
Soybeans	Misc. Vegs. & Fruits	1	0.8	~
		1337369	1036354.0	

nange Analysis		
Select the Reference Year:	2010	~
Select the Other Year:	2009	v

Download/Mashup



2011 Continental United States Land Cover Categories (by decreasing acreage)

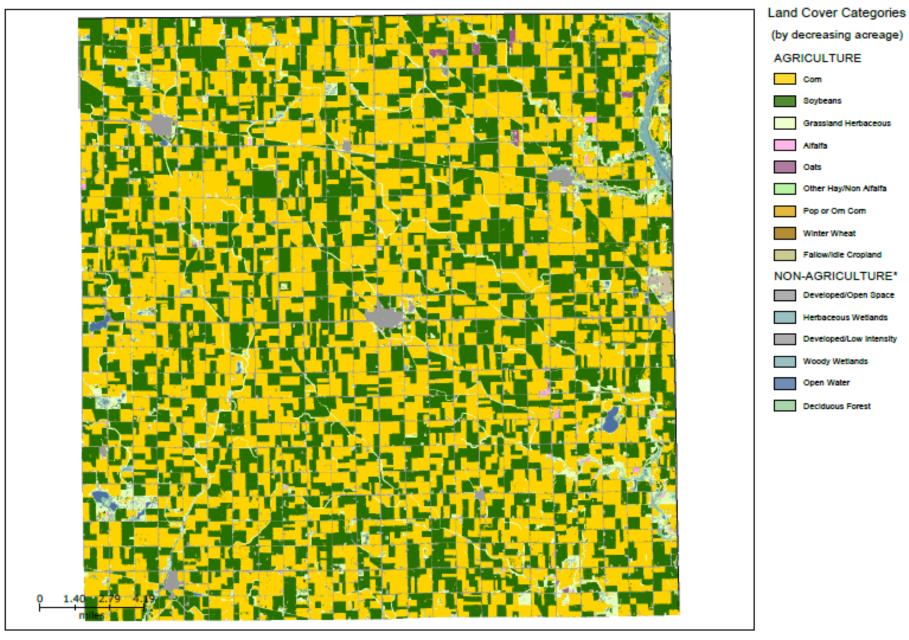
National Cropland Data Layer Legend



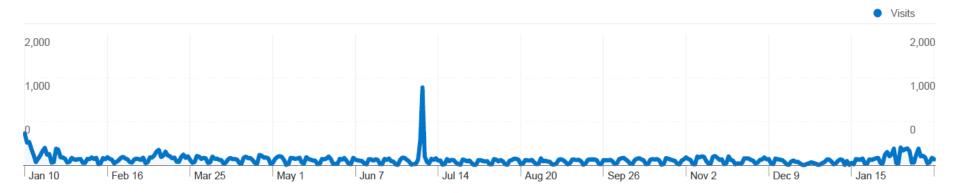


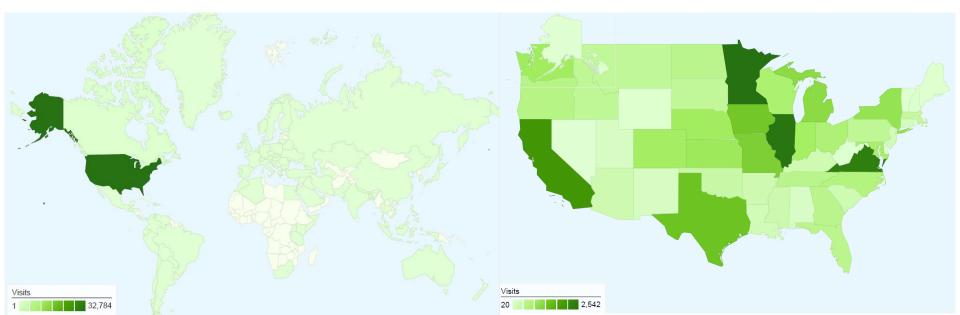
2011 CDL, Pocahontas, Iowa





CropScape Google Analytics





NASS Cropland Data Layer Applications

