

### CropScape Demo

#### Innovations to Minimize Crop Loss in a Changing Climate

Rick Mueller National Agricultural Statistics Service February 24, 2012





# CropScape

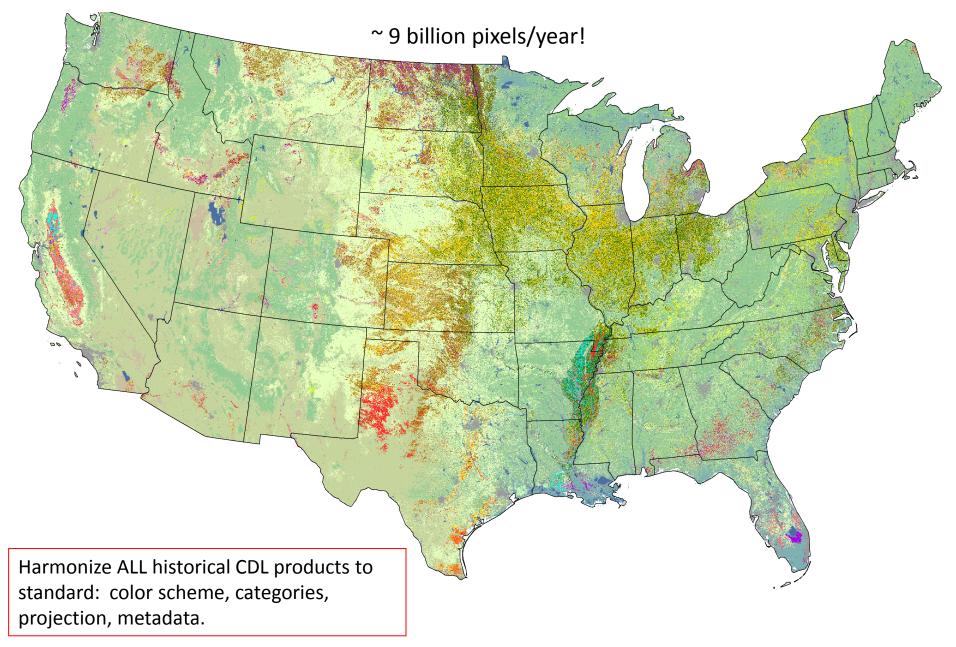


- A web service based interactive map visualization, dissemination and querying system for U.S. cropland
  - No burden on users
    - No client software development & installation
    - No special software tools needed
    - Data mashable
    - Democratization of data
  - Equitable information access,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

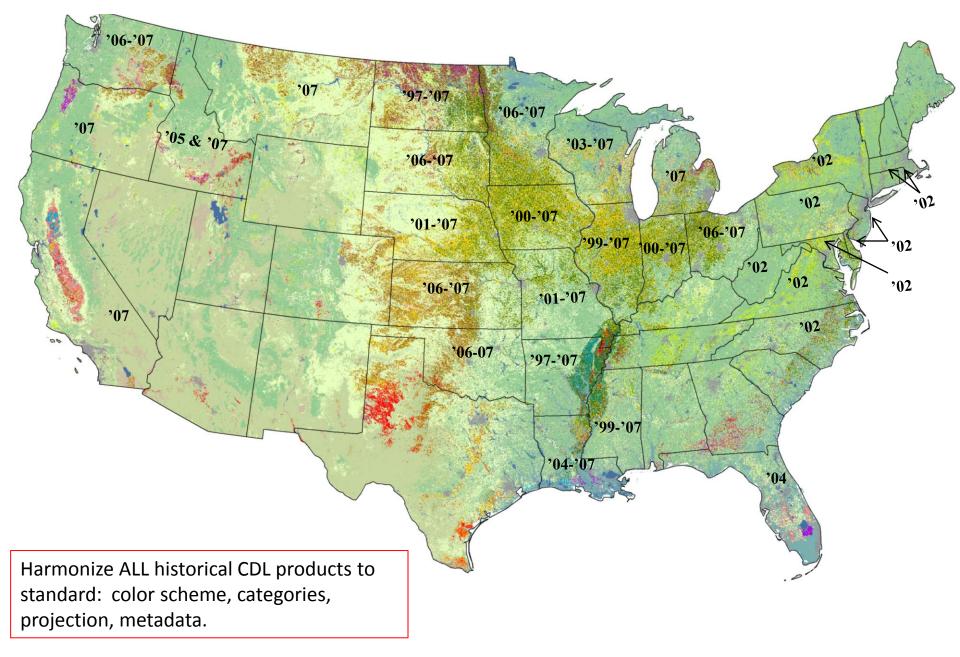
http://nassgeodata.gmu.edu/CropScape



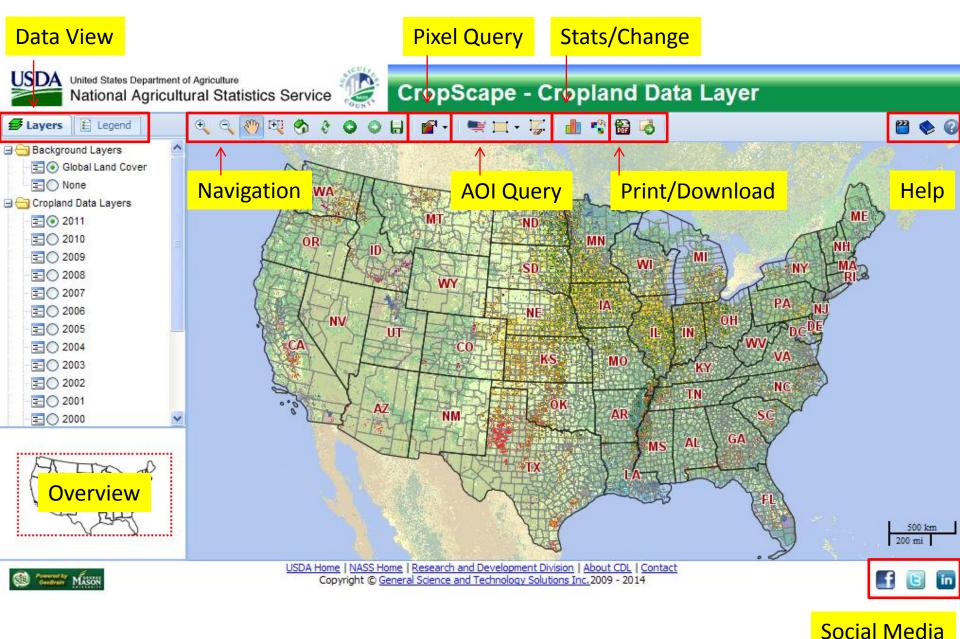
#### 2008 – 2011 National Cropland Data Layers



#### 1997 – 2007 Cropland Data Layers



#### CropScape Components



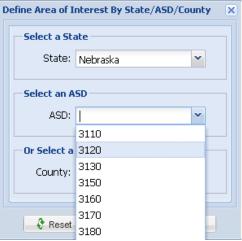
## Select an Area of Interest

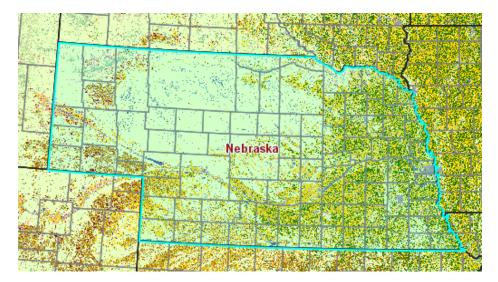


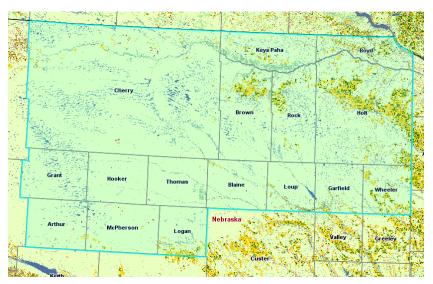
#### By State

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	

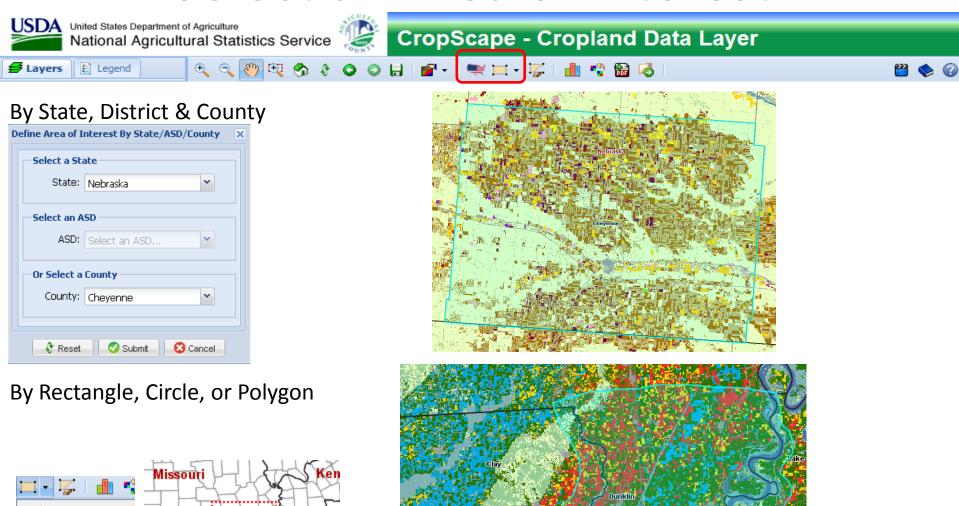
#### By State & ASD







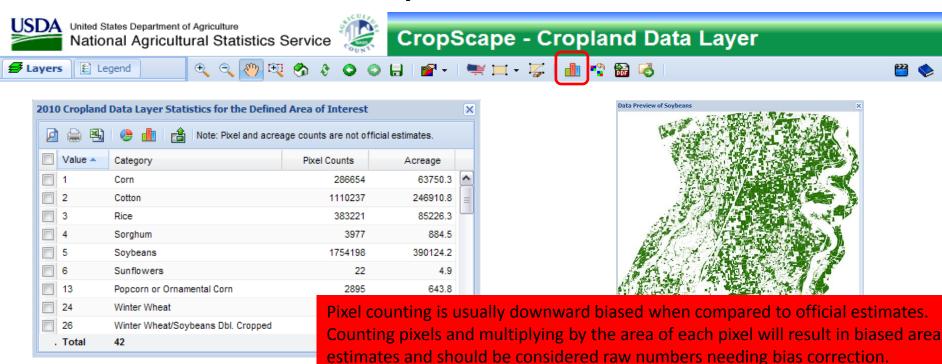
## Select an Area of Interest

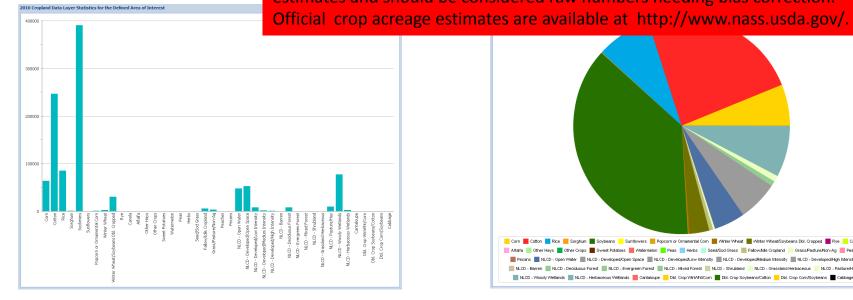


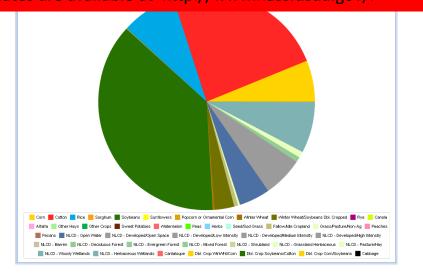
Pemiscol



#### **Crop Statistics**



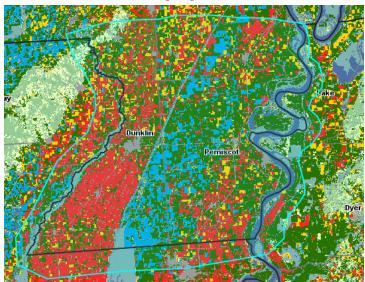


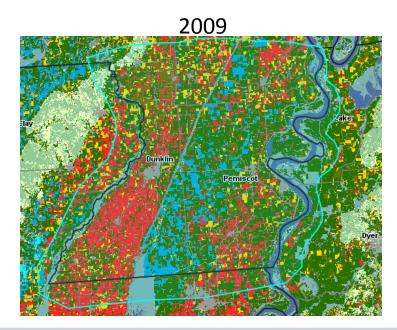


### **Change Analysis**



2010





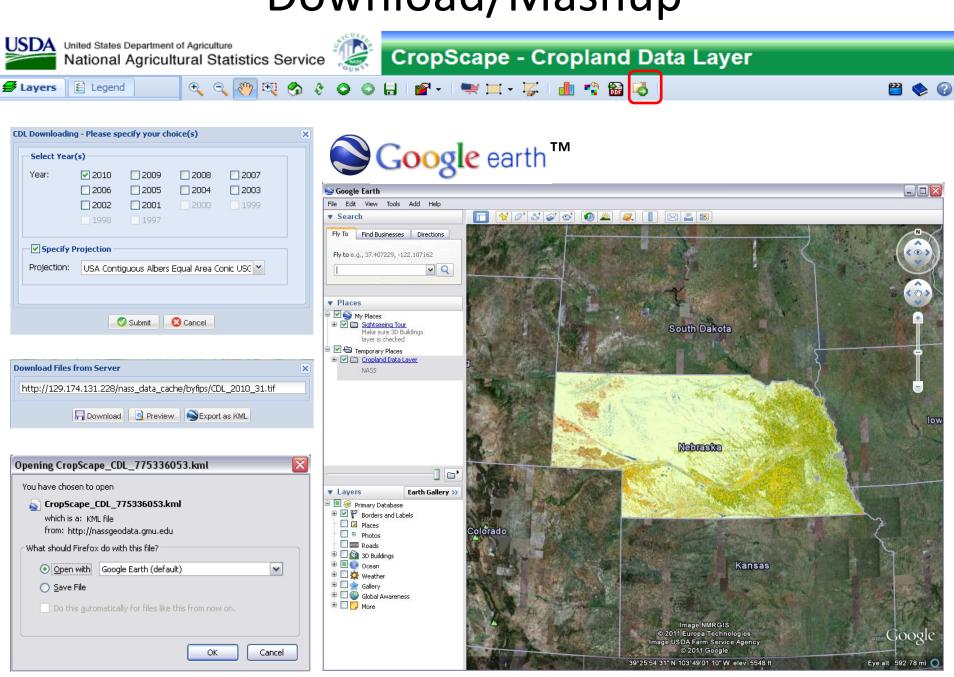
X

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)

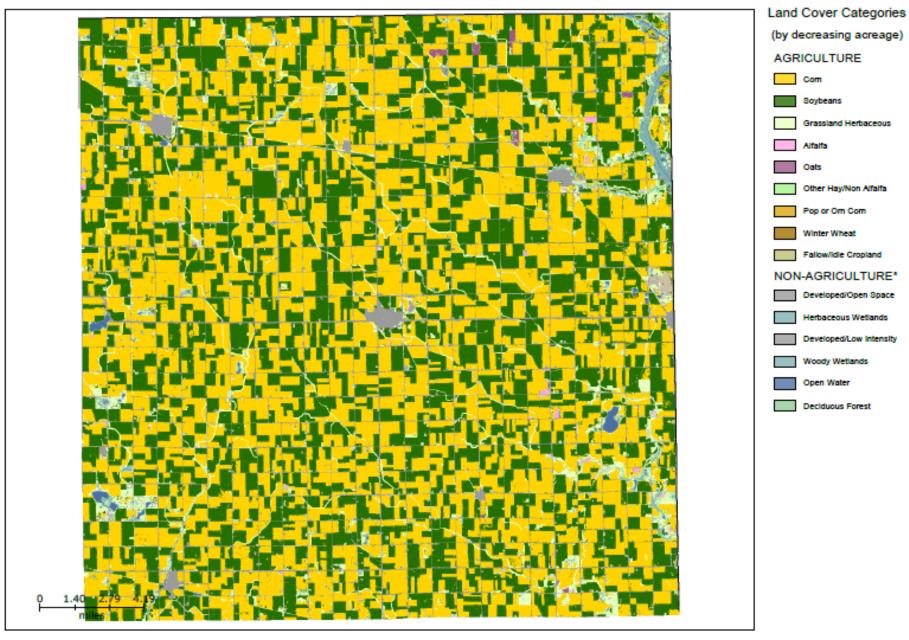
# National Cropland Data Layer Legend



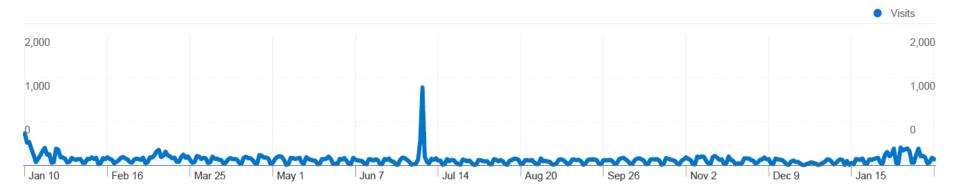


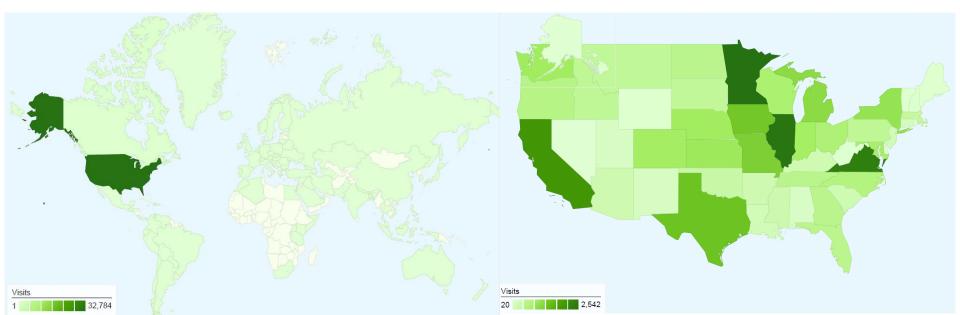
#### 2011 CDL, Pocahontas, Iowa





## **CropScape Google Analytics**





## **NASS Cropland Data Layer Applications**

