

Drought Impact Reporter

Kelly Helm Smith

Winter Season Outlook and Impacts Forum

For Agricultural Interests in the Deserts Rangelands and Riparian Zones

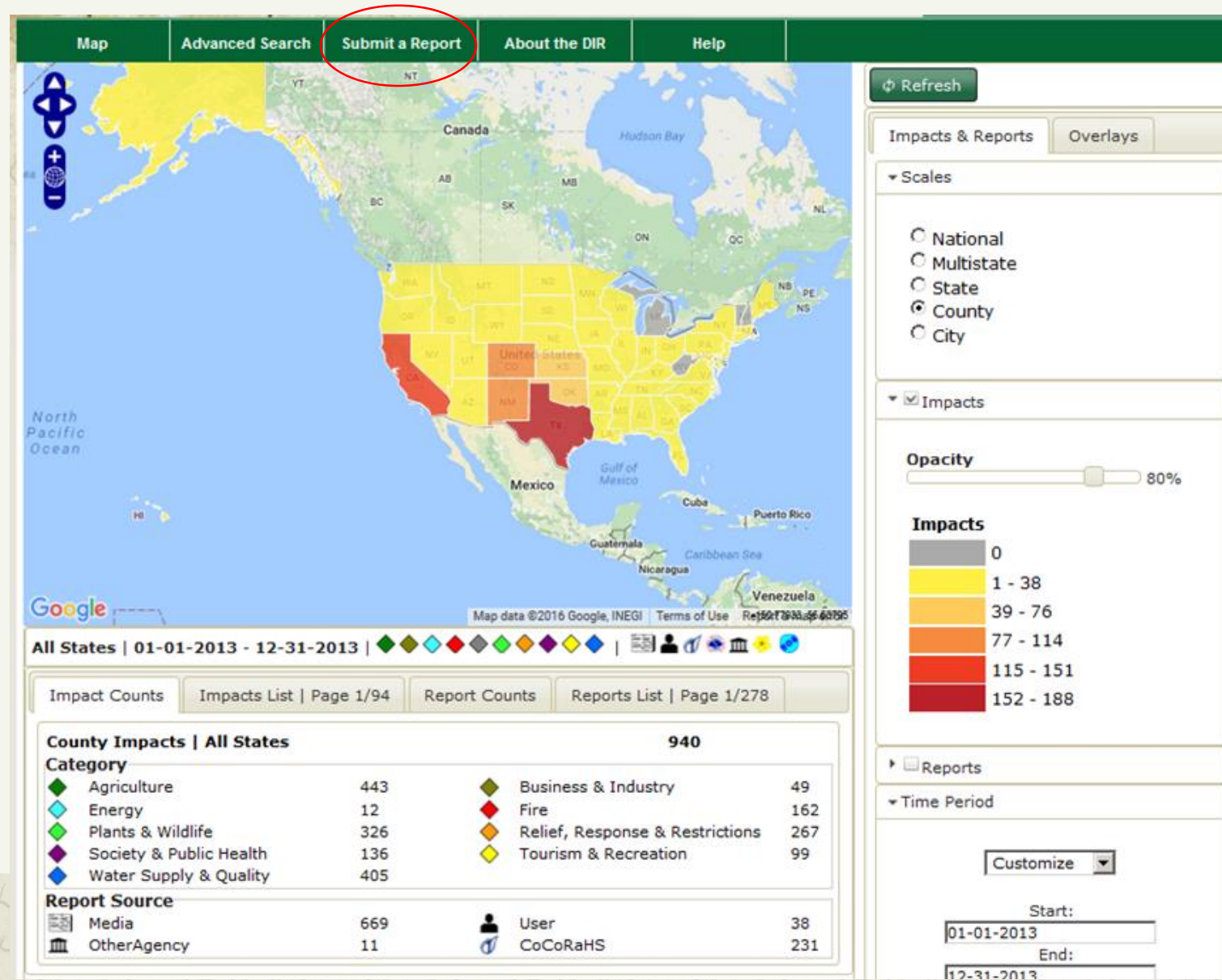
USDA-ARS Jornada Experimental Range

Las Cruces, New Mexico, Oct. 25, 2016



Droughtreporter.unl.edu

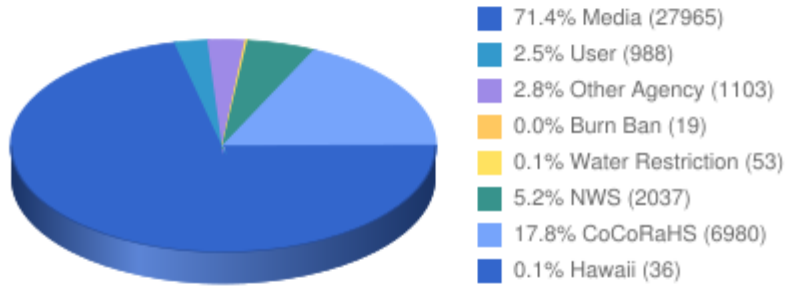
- Launched in 2005 as nation's on-line archive of drought impacts
- Reports from media, individual observers ("Users," CoCoRaHS), agencies
- Moderated @ NDMC
- Searchable by time, place, scale, category, term



Welcome to the Drought Impact Reporter!

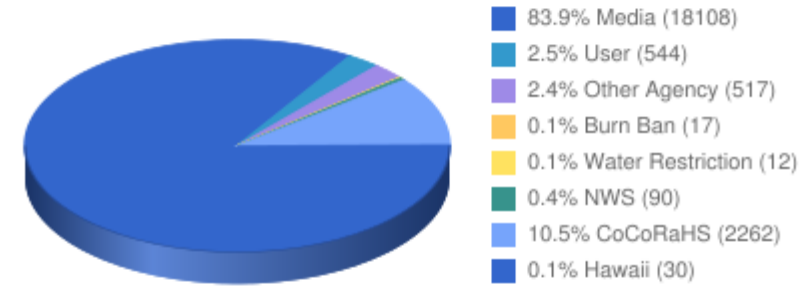
Report Composition

39,181 reports

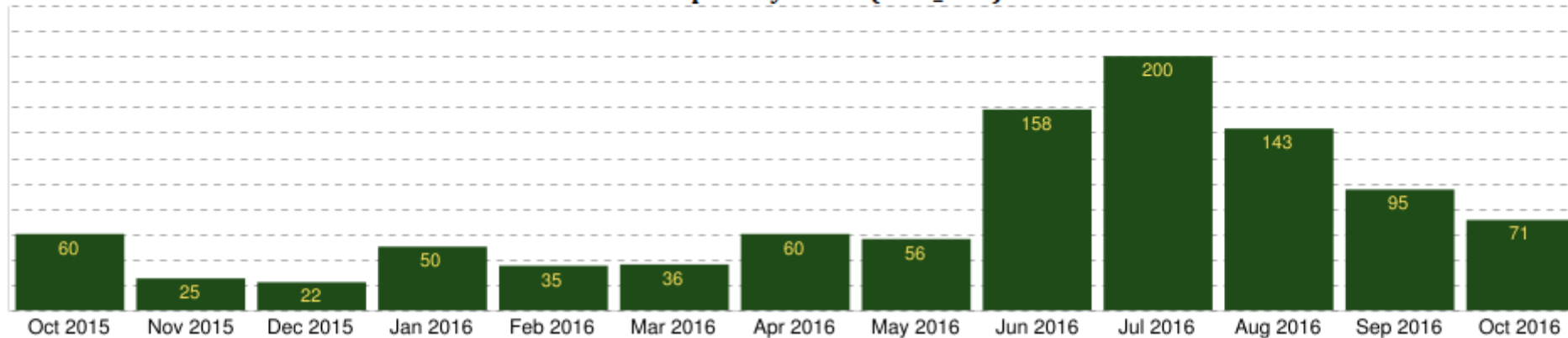


Impact Composition

21,344 impacts



Impacts by month (start_date):



Searching by scale

Pres. Obama urged better preparation for drought ▶



Duration: 03-21-2016 - unknown

Olive oil prices increasing ▶



Duration: 01-01-2015 - 03-09-2016

U.S. cattle herd numbers ▶



Duration: 01-01-2013 - 01-01-2016

California drought was the topic of discussion on ▶



Duration: 01-25-2016 - 01-25-2016

2015 was record year for wildfires ▶



Duration: 01-01-2015 - 12-31-2015

Drought a popular search term on Bing in 2015 ▶



Duration: 01-01-2015 - 12-31-2015

People cite severe drought as reason they chose to believe in global warming ▶



Duration: 10-30-2015 - unknown

Livestock Forage Program available to help with grazing losses ▶



Duration: 01-01-2015 - 12-31-2015

Extension on deadline to replace livestock, defer tax on gains from sales ▶



Duration: 09-30-2014 - 12-31-2015

Amendments to 2017 Energy and Water Appropriation Act focus on conservation in Lower Colorado River Basin ▶



Duration: 05-13-2016 - unknown

President Obama's 2017 budget proposal contains provisions for the West ▶



Duration: 02-09-2016 - unknown

Natural Resource Investment Center to improve water infrastructure in West ▶



Duration: 12-15-2015 - unknown

New water management plan for the Colorado River ▶



Duration: 11-19-2015 - unknown

New Mexico governor warned of fire danger, urged consideration of fireworks ban ▶



Duration: 06-06-2016 - unknown

Early start to fire season in New Mexico ▶

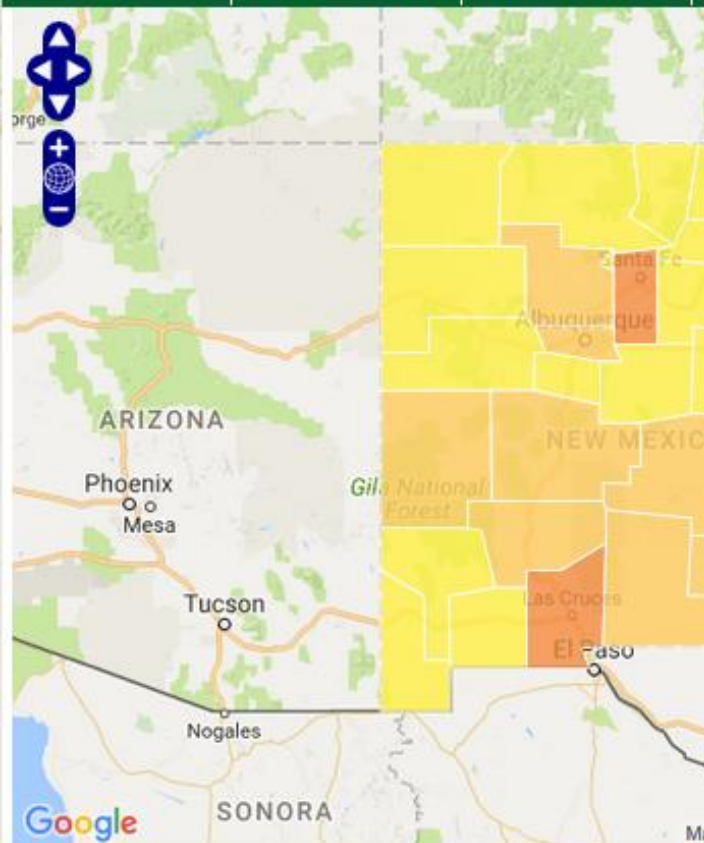


Duration: 01-01-2016 - 04-02-2016

Water prospects dim in New Mexico ▶



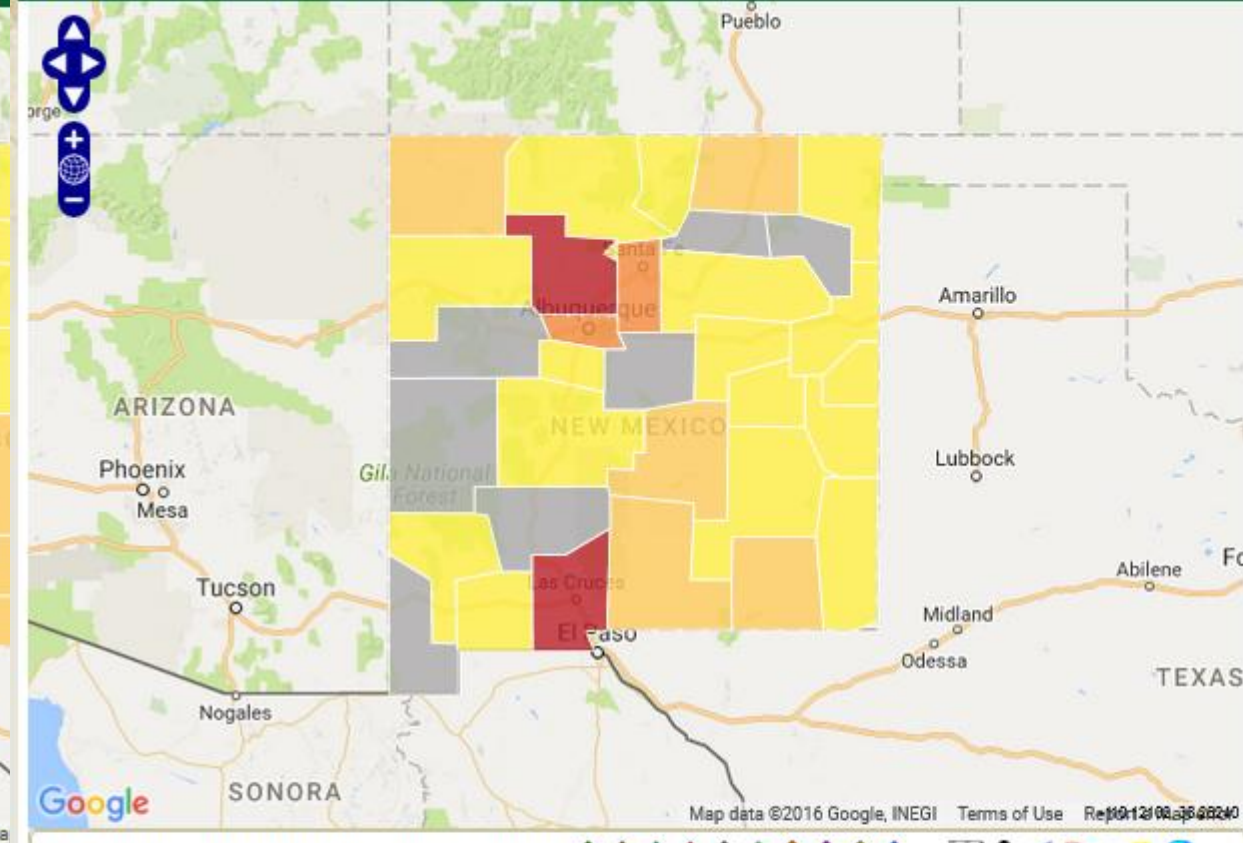
Duration: 02-01-2015 - 12-31-2015



New Mexico | 07-15-2005 - 10-18-2016 | [Legend]

Impact Counts Impacts List | Page 1/49 Report C

County Impacts New Mexico		
Category		
	Agriculture	205
	Energy	6
	Plants & Wildlife	100
	Society & Public Health	64
	Water Supply & Quality	132
Report Source		
	Media	209
	OtherAgency	6
	NWS	5



New Mexico | 01-01-2006 - 10-23-2016 | [Legend]

Impact Counts Impacts List | Page 1/13 Report Counts Reports List | Page 1/31

City Impacts New Mexico			129		
Category					
	Agriculture	32		Business & Industry	8
	Energy	1		Fire	52
	Plants & Wildlife	38		Relief, Response & Restrictions	62
	Society & Public Health	38		Tourism & Recreation	15
	Water Supply & Quality	56			
Report Source					
	Media	94		User	1
	CoCoRaHS	35			

Refresh

Impacts & Reports Overlays

Scales

- National
- Multistate
- State
- County
- City

Impacts

Opacity: 80%

Impacts Legend:

- 0 (Grey)
- 1 - 5 (Yellow)
- 6 - 10 (Light Orange)
- 11 - 15 (Orange)
- 16 - 19 (Dark Orange)
- 20 - 23 (Red)

Reports

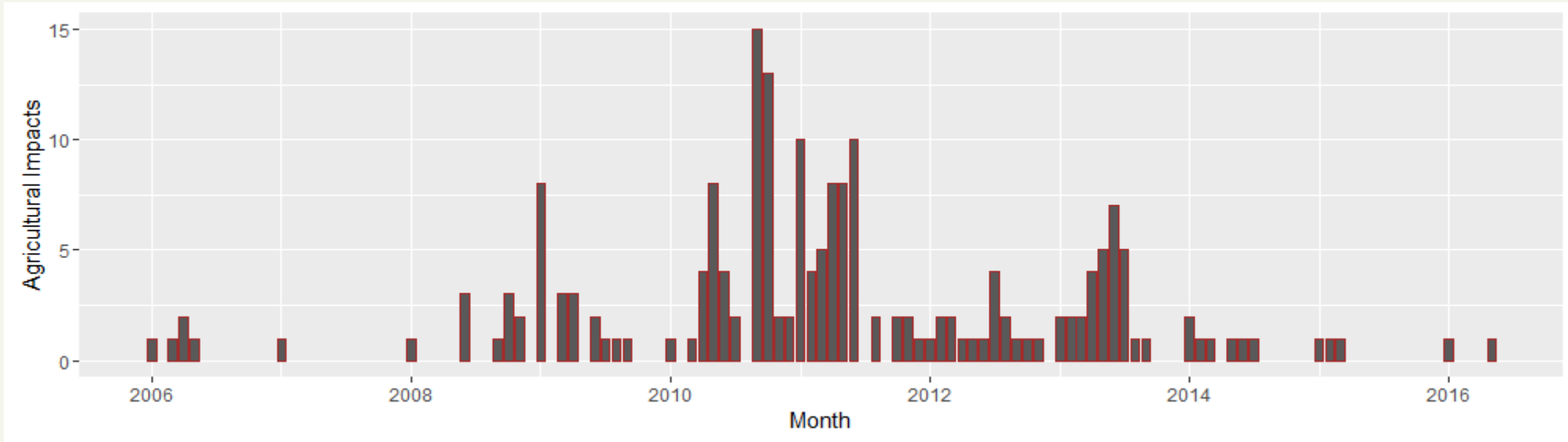
Time Period

Customize

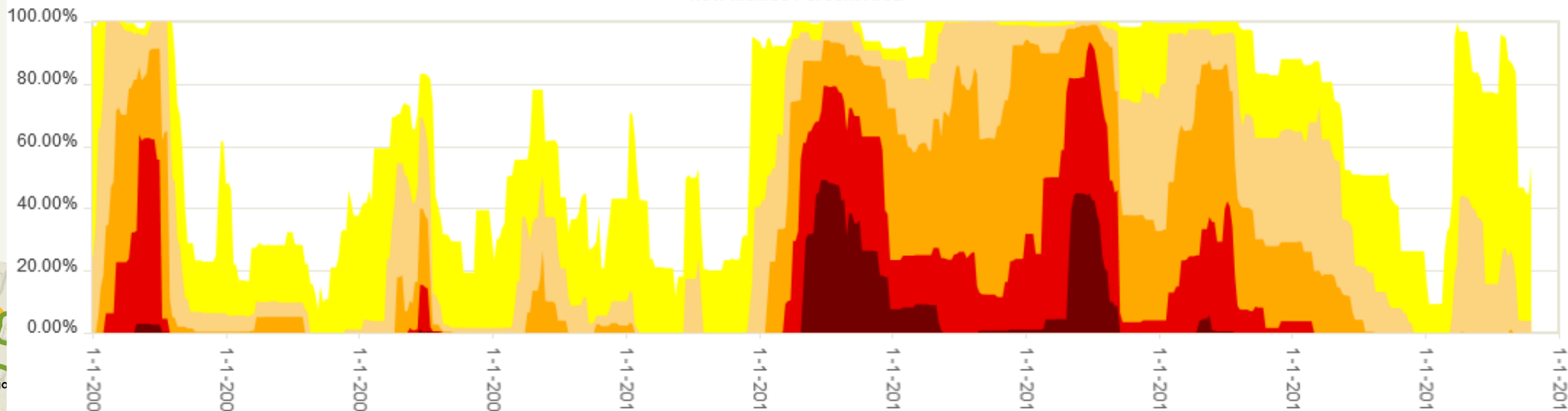
Start: 01-01-2006

End: 10-23-2016

NM Agricultural Impacts vs. NM Drought Monitor



New Mexico Percent Area



Impacts | Eddy County, NM
01-01-2010 - 12-31-2012

County Impacts **76**

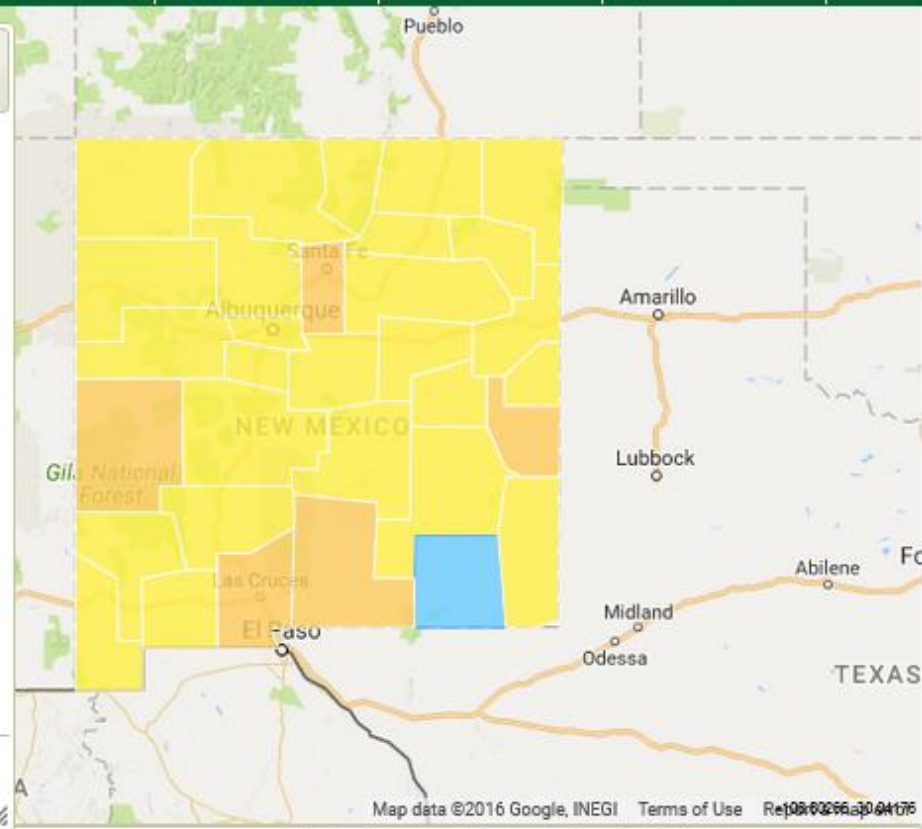
Category

◆ Agriculture	57
◆ Fire	35
◆ Plants & Wildlife	8
◆ Relief, Response & Restrictions	11
◆ Society & Public Health	7
◆ Tourism & Recreation	2
◆ Water Supply & Quality	24

Report Source

Media	23
User	5
OtherAgency	2
NWS	2
CoCoRaHS	1
Legacy	47

Impacts List All-States View



[Refresh](#)

Impacts & Reports Overlays

- ▼ Scales
- National
 - Multistate
 - State
 - County
 - City

- ▶ Impacts
- ▶ Reports

▼ Time Period

[Customize](#) ▼

Start:

End:

▼ Location

State: ▼

County: ▼

- ▶ Categories
- ▶ Report Types

New Mexico | 01-01-2010 - 12-31-2012

Impact Counts Impacts List | Page 1/23 Report Counts Reports List | Page 1/40

County Impacts | New Mexico **230**

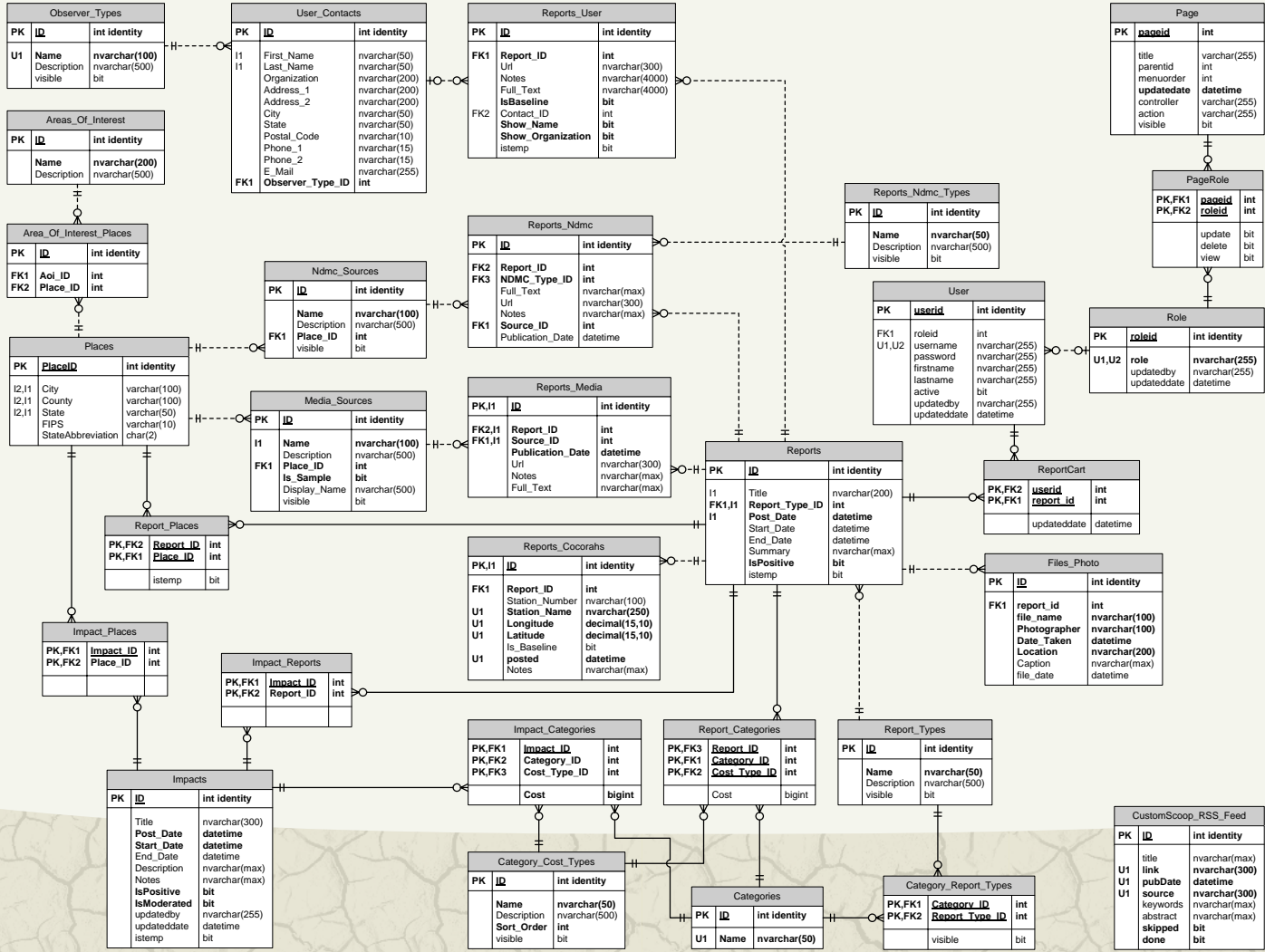
Category

◆ Agriculture	126	◆ Business & Industry	4
◆ Energy	4	◆ Fire	99
◆ Plants & Wildlife	49	◆ Relief, Response & Restrictions	47
◆ Society & Public Health	35	◆ Tourism & Recreation	10
◆ Water Supply & Quality	63		

Report Source

Media	100	User	8
OtherAgency	3	Unknown	1
NWS	5	CoCoRaHS	62

How you can contribute observations



Via CoCoRaHS: Promoting drought impact reporting to volunteers...

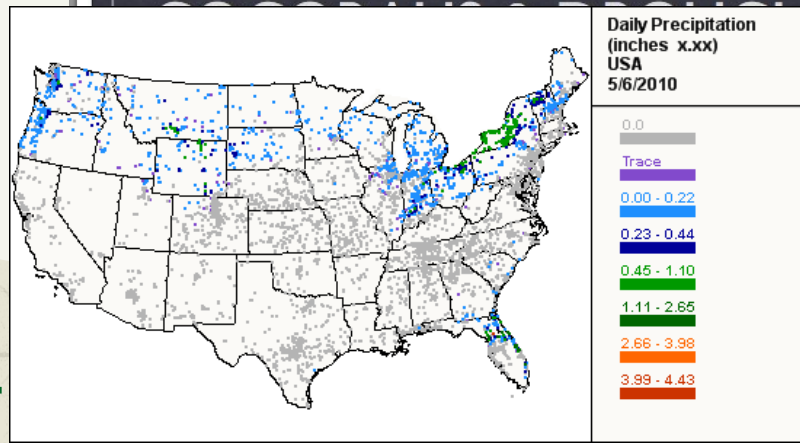
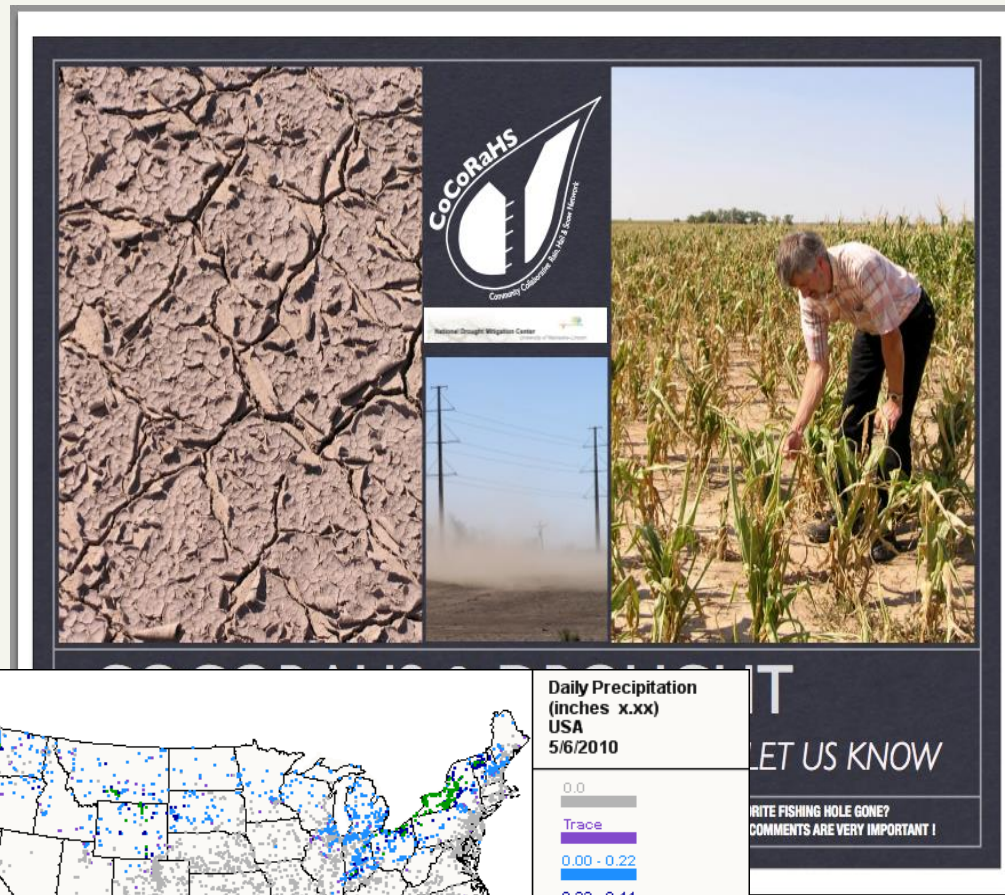
* **19,000+** volunteers covering all 50 states!!

* CoCoRaHS “Message of the Day”

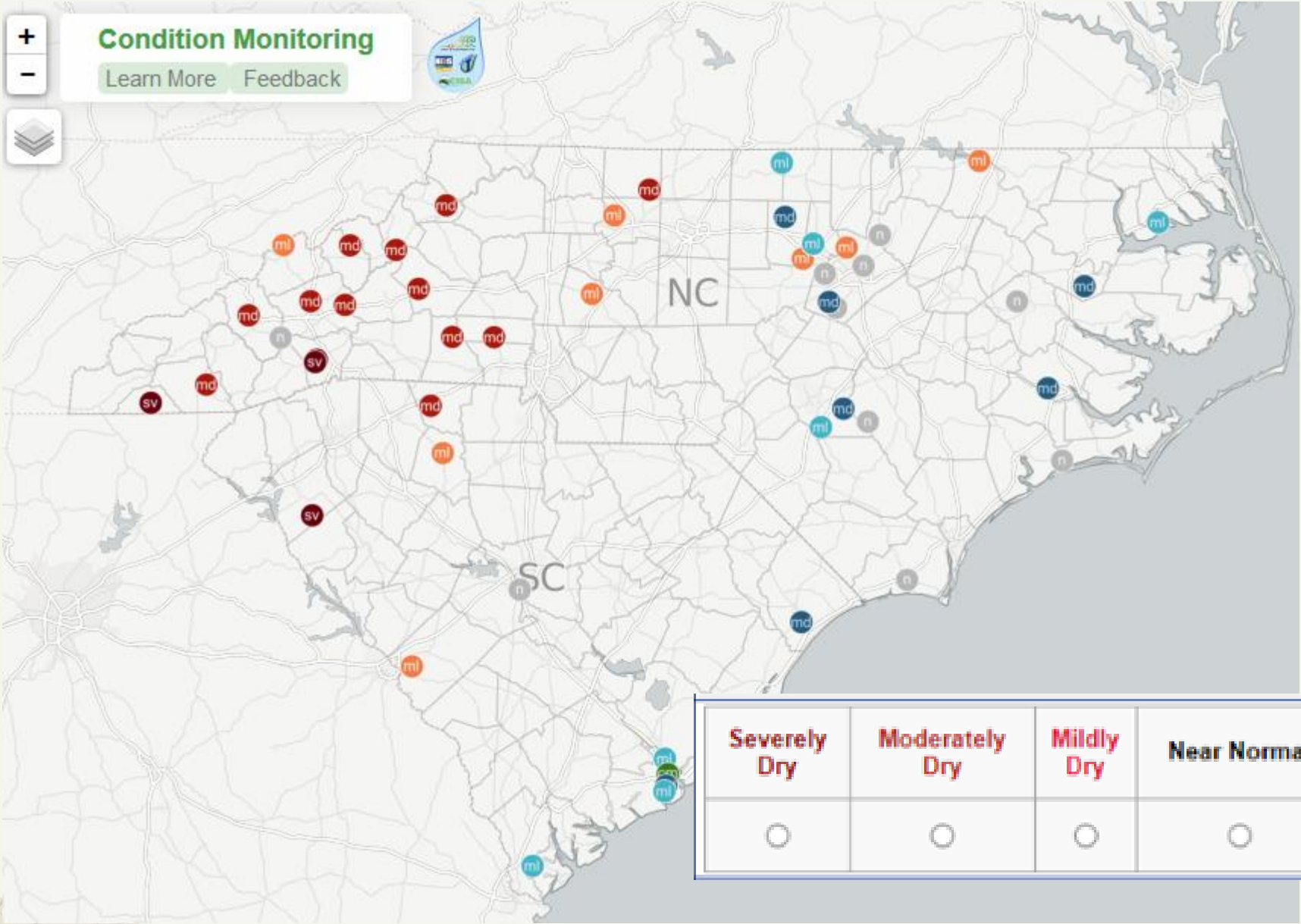
* Monthly e-mail reminders

* Guide to reporting drought impacts

* Banners on the Web



Courtesy: Henry Reges, Colorado State University



Condition Monitoring

[Learn More](#) [Feedback](#)



Severely Dry	Moderately Dry	Mildly Dry	Near Normal	Mildly Wet	Moderately Wet	Severely Wet
○	○	○	○	○	○	○

<http://droughtreporter.unl.edu/submitreport/>



You can submit a report either by sending email to DIRinfo@unl.edu or by filling out the form below. To send an impact by [email](#), please be sure to include:

- a **description** of the impact (how drought is affecting you, your livelihood, your activities, etc.)
 - an approximate **start date**. When did you first notice this impact? If the impact is no longer affecting you, please estimate when it stopped.
 - the **location** of the impact—what city/cities or county/counties are being affected? Don't forget to include the name of the state!
- We welcome photos as well; please note the conditions specified in the "Images" section below.

Description

Please provide a **Description** of how drought is affecting you, your livelihood, your activities, etc.

If there is a report online that helps illustrate your observation, please use the **Related Link** box to provide the link.

We encourage regular observations, rain or shine, related to some aspect of your environment or experience that is affected by drought. For more information, please read about [Condition Monitoring Reports](#).

[Learn how your report becomes an impact.](#)

Impact Description*

Related Link

Categories

To help get a handle on drought's complex impacts, we divide them into Categories. Not all impacts fit neatly within a category, but many do.

Please click on the checkbox or category name to select it.

When you select a category, you have the option to enter a **Value** in dollars for losses or gains. Any information about dollar losses or gains will appear along with the other information you submit in your report.

Categories

-  Agriculture
-  Business & Industry
-  Energy
-  Fire
-  Plants & Wildlife
-  Relief, Response & Restrictions
-  Society & Public Health
-  Tourism & Recreation
-  Water Supply & Quality

Value (not required)

\$	<input type="text"/>
\$	<input type="text"/>
\$	<input type="text"/>
\$	<input type="text"/>
\$	<input type="text"/>
\$	<input type="text"/>
\$	<input type="text"/>
\$	<input type="text"/>
\$	<input type="text"/>

Duration

The **Start Date** and **End Date** can be approximate. A **Start Date** is required. It is OK to leave the **End Date** blank if the impact is ongoing or if you don't know when it ended.

Click on the calendar icon and then on a specific date to select a **Start Date** or **End Date**, or manually enter a date using MM/DD/YYYY format.

* Start Date

End Date

Affected Places

To select an entire state, click on the arrow to the right of the name of the state. The name of the state should appear in the **Affected Places** box above.

To report on an impact in a specific location, first click on the name of the state where it is. The state should be highlighted, but should not appear in the **Affected Places** box. A list of counties in the state will appear. To select one or more counties, click on the arrow to the right of the name of one or more counties. The counties you selected will appear in the **Affected Places** box.

To select a city, first click on the name of the state where it is. The state should be highlighted, but should not appear in the **Affected Places** box. Then begin typing the name of the city in the box at the top of the **City** column, and select the city you want when it appears by clicking on the arrow to the right of its name.

To unselect a state, county or city, click on the x to the left of its name in the **Affected Places** field.

Clicking on **Add All States** will do just that. It may be faster to add all and then unselect a few than to select a large number of states. Please use this option with caution.

If all but a few counties in a state are affected, you can **select all**, which will highlight all of them, and then hold down the control key and click on the county names to unselect them, and then click **add selected** to make the ones still highlighted appear in the **Affected Places** box.

State	add all states	County	select all	add selected	City
Alabama	<input type="radio"/>				
Alaska	<input type="radio"/>				
Arizona	<input type="radio"/>				
Arkansas	<input type="radio"/>				
California	<input type="radio"/>				
Colorado	<input type="radio"/>				
Connecticut	<input type="radio"/>				
Delaware	<input type="radio"/>				

Images

Browse to the **Photo** you would like to submit. Attach up to five gif/jpg/jpeg/png image files smaller than 10 MB.

Please enter the photographer's name and organization, if applicable, as it should appear in the **Credit**.

Enter the **Date** the photo was taken.

Enter the **Location** where the photo was taken.

Please provide **Caption** information that helps people understand what effect of drought the photo shows. It may be helpful to submit before and after photos, if possible, so that people can contrast drought conditions with normal conditions.

By submitting images, you agree that the National Drought Mitigation Center may publish them in the Drought Impact Reporter, on NDMC websites, or via social media. You also agree that you are the photographer or that you have the photographer's permission to submit the photo.

Photo	<input type="button" value="Browse..."/> No file selected.
Credit	<input type="text"/>
Date	<input type="text"/>
Location	<input type="text"/>
Caption	<input type="text"/>

[add another image](#)

Contact Information

Please provide your **State** and the nearest **City**.

Please provide an **Email** address.

* State

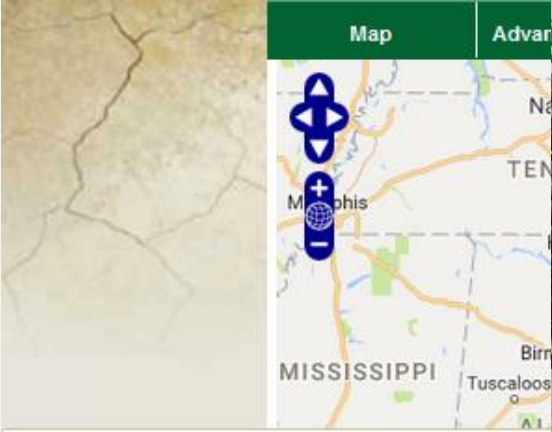
* City Begin typing in the window and select your city when it appears below. (Select state first)

* Email

Description A d
has occurred sin
15 miles south o
rangeland is mu
year in several y
From Brian Guye
28, 2015.

Source Federal
Pictures





Reports | Wilkes County, GA
09-23-2016 - 10-23-2016
Page 1 of 2

Lack of rain causing problems for agriculture in Wilkes County, Georgia



Publication Date: 10-10-2016

Affected Areas Wilkes County; Washington

Description The reach of Hurricane Matthew was about 30 miles east of Wilkes County. The clouds were not enough to settle the dust so another day went by with no rain. The focus of many community-related meetings is centered on how to find alternative rations for cattle. The nights are clear that winter grazing could be planted without worms but it's just too dry to plant and no rain in the forecast.

From an agricultural extension agent in Wilkes County, Georgia, on October 10, 2016

Source Extension Agency

Pictures



Title: Picture shows nothing remaining in pasture. This is the most pastures in Wilkes County in the northern half.

Location: Northern Wilkes County
Photographer: photo by Frank Watson
Date: 10-10-2016



Report Source

User 11

Legacy

OK

Reports List

All-States View

68583-0988



Resources

- Drought Impact Reporter, Submit a Report Form
<http://droughtreporter.unl.edu/submitreport/>
- Tracking Drought Impacts on Rangeland
<http://drought.unl.edu/ranchplan/Overview/Resources/TrackingDroughtImpacts.aspx>
- Community Collaborative Rain, Hail & Snow Network
<http://cocorahs.org>

Questions, comments, request customized demo:

Kelly Helm Smith
ksmith2@unl.edu
402-472-3373

Thank you!