

# Condition Monitoring Observer Reports (CMOR) on Drought: “See More Drought”

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NATIONAL DROUGHT  
MITIGATION CENTER  
UNIVERSITY OF NEBRASKA

Drought monitoring and reporting in Utah

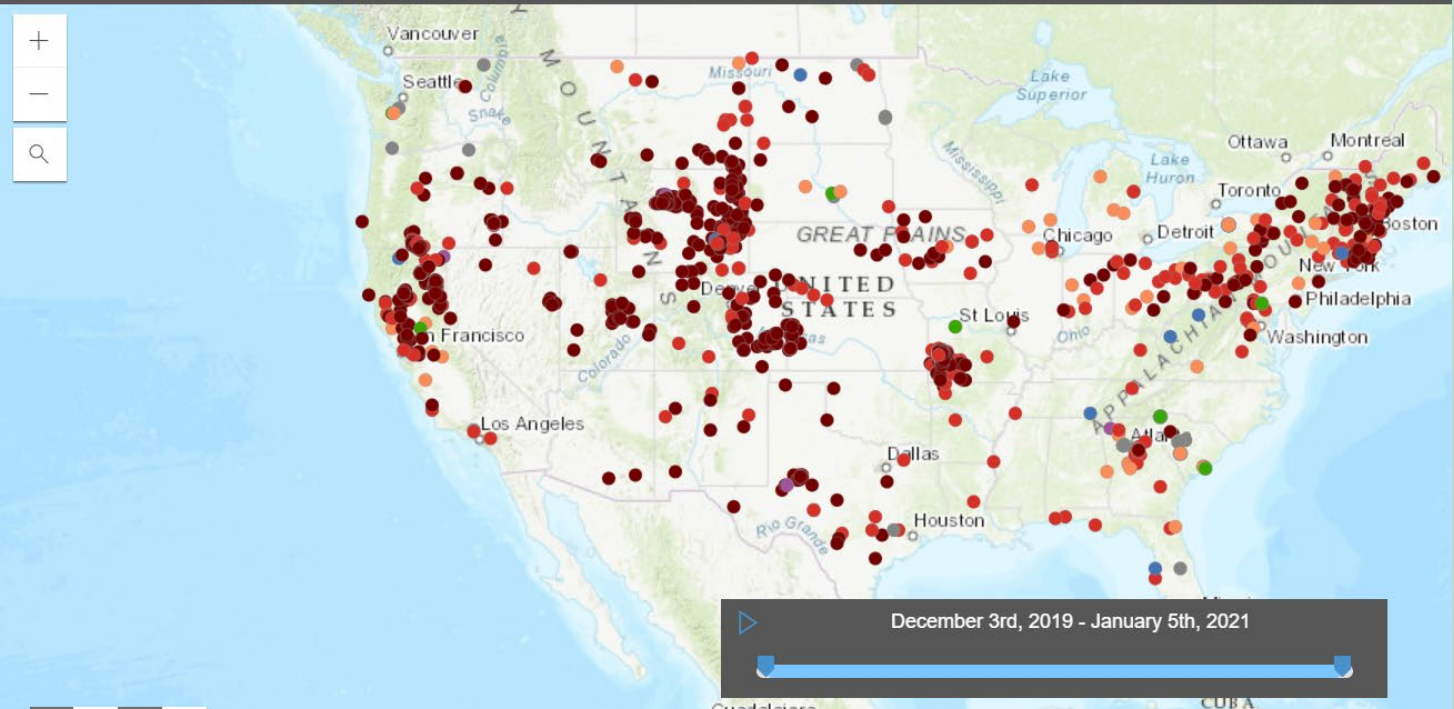
December 4, 2020

# Condition Monitoring Observer Reports (CMOR): [go.unl.edu/CMOR\\_drought](http://go.unl.edu/CMOR_drought)

## Drought Condition Monitoring Observer Reports (CMOR) 2020

Overview Experience Crops Livestock Fire Wildlife Freshwater Fish Household Community hydro

### Drought CMOR 2020 Overview



## Drought Condition Monitoring Observations and Reports

### Introduction

Report drought-related conditions and impacts within the U.S. This is a nation-wide service provided by the National Drought Mitigation Center, based at the University of Nebraska, in partnership with the National Integrated Drought Information System. Information submitted by this form appears on [this map](#) and becomes part of a permanent public record. Please note that this form is not part of the process to apply for assistance. To participate, you must legally be an adult, at least 18 years old in most states, 19 in Nebraska or Alabama, or 21 in Mississippi. By submitting information, you agree that it may be used in drought monitoring research. Questions? Please email [DIRinfo@unl.edu](mailto:DIRinfo@unl.edu).

### Where are you?\*

**Position the marker on the map for your location using one of three methods:** 1) Click on the round compass icon and allow access to your location. 2) Enter an address or the name of a place in the search window. 3) Drag the map until the marker points to the correct location. Use the plus or minus if you want to zoom in or out after you have placed the marker. Scrolling will move the marker.

Find address or place

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No geometry captured yet.



# Yes, there is a mobile app!



1. Install Survey123 app
2. Scan the QR code or enter the URL to get started, and follow prompts.
3. Choose field app, not browser.
4. Enable geolocation
5. Download the survey
6. Take photos, fill out form
7. Upload immediately or when you get back to a good wifi connection

<https://go.unl.edu/cmor>



# go.unl.edu/CMOR\_drought\_2020

## Step 1: Geolocation



And then don't scroll!  
It will move your marker!  
Use the plus or minus buttons if you want to zoom after you have used the map widget to place your marker in the right spot.

### Select your jurisdiction: ▼

#### Select a state/territory:

This will help us spot wrong locations but does not position your rep  
Use the marker on the map above to make sure your report shows up

-Please Select-

#### Select a local jurisdiction:

This will help us spot wrong locations but does not position your report correctly on the map.  
Use the marker on the map above to make sure your report shows up in the right place.

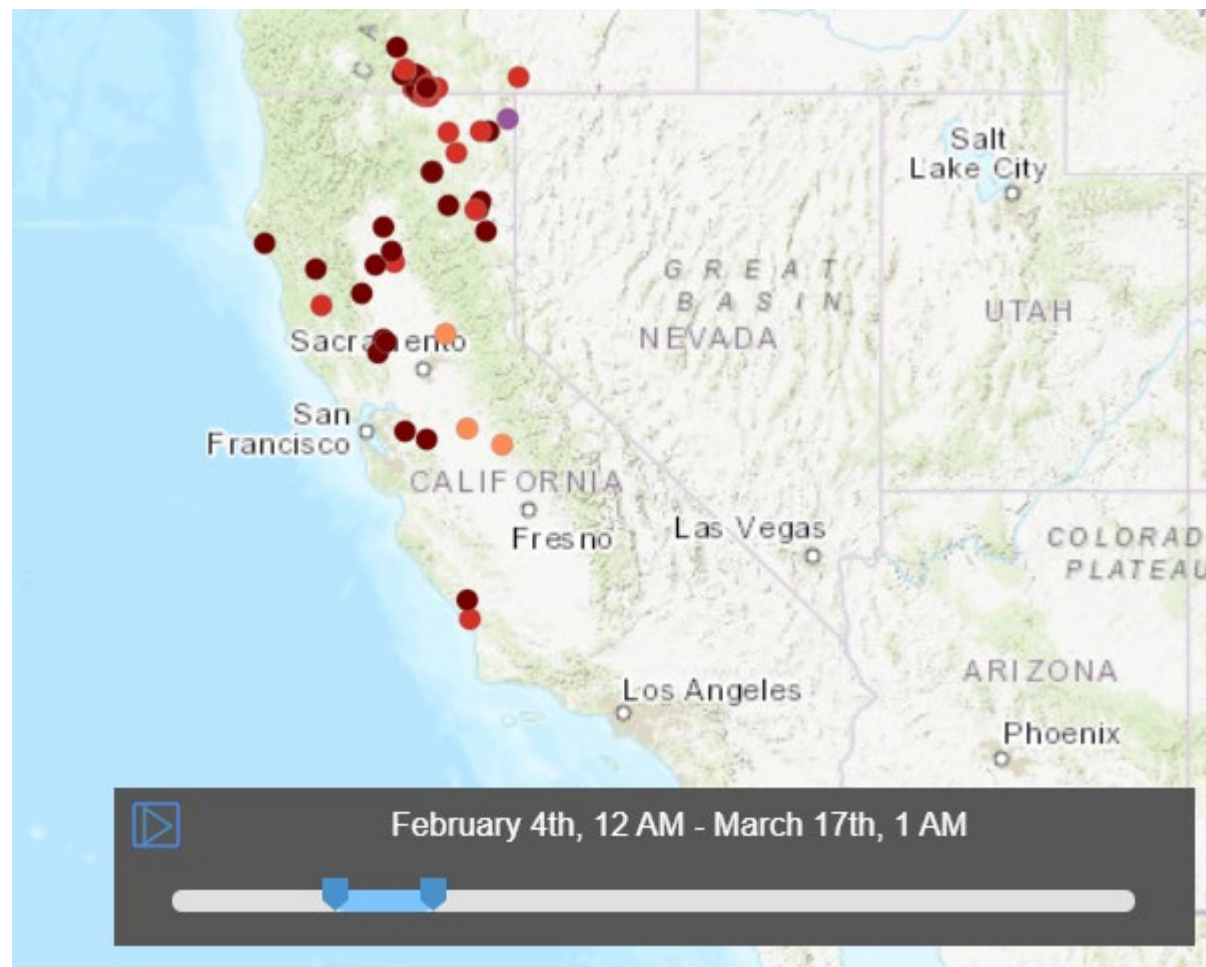
-Please Select-

# Time-sensitive mapping

## What is the date?

Please use the calendar to select the date of your observation, if it is other than today.

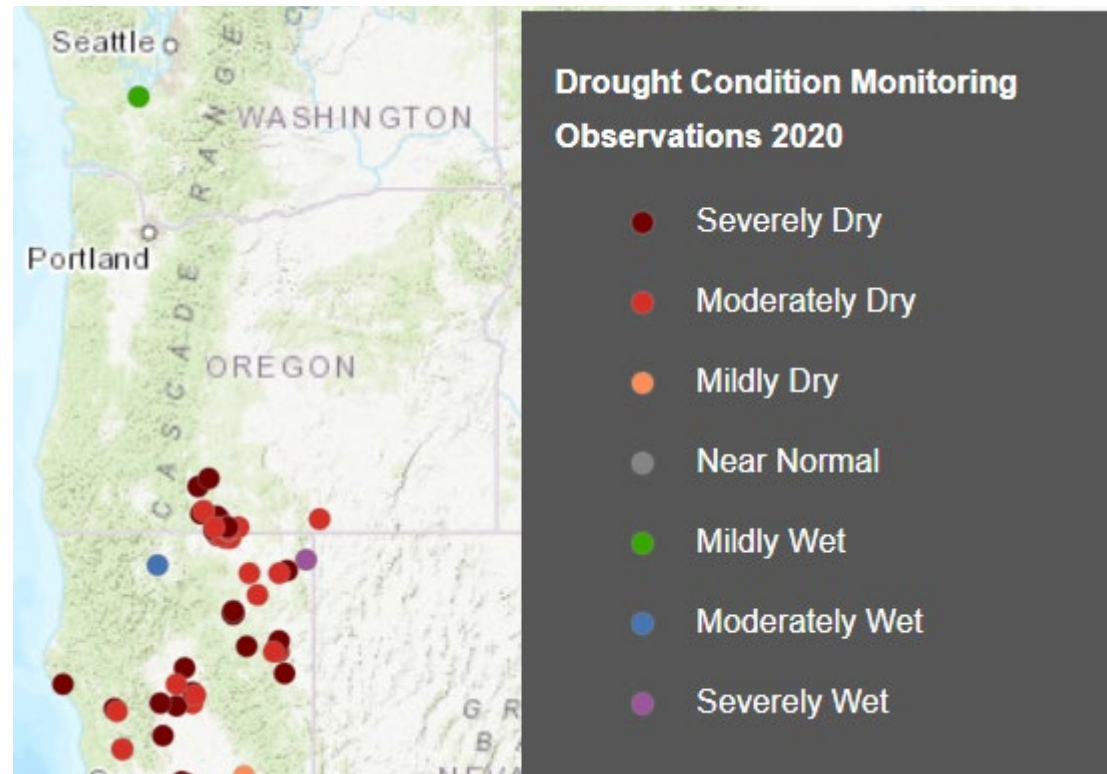
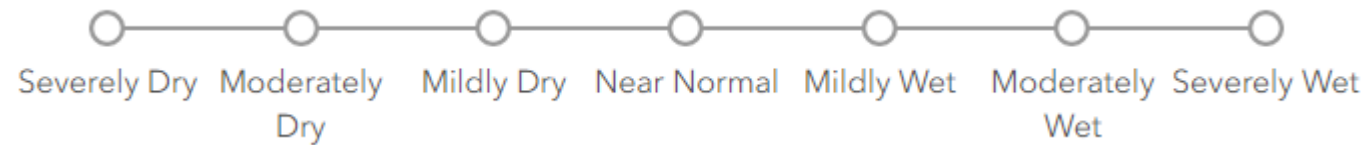
 4/22/20





# Common context: Dry-to-wet scale, from CoCoRaHS citizen science network

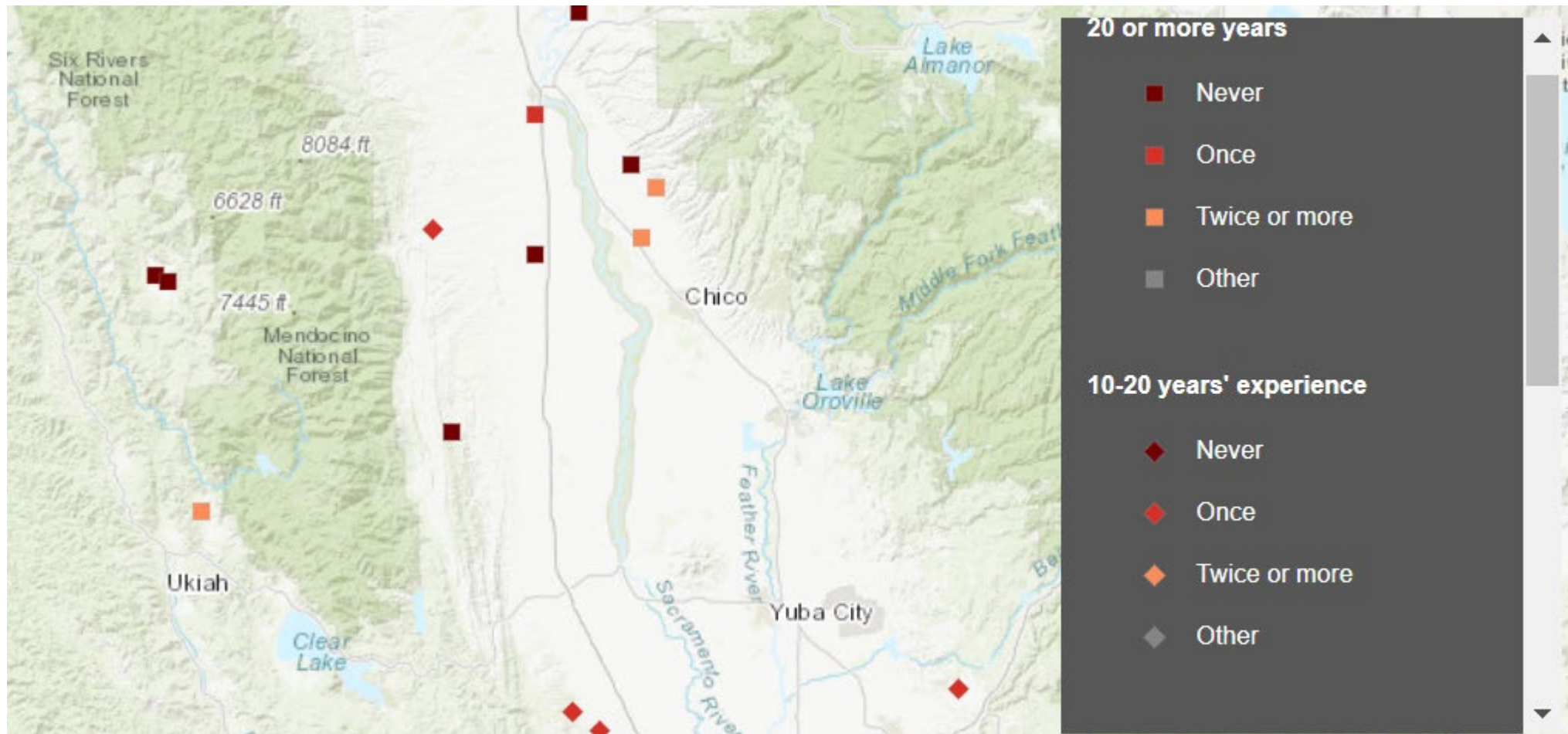
## How dry or wet is it?\*



# USDM context: 1 in 10? 1 in 20?

How much experience do you have with conditions there?

How many times in the past have you seen it like this?



- Report crop production impact ▶
- Report livestock production impact ▶
- Report municipal water supply impact ▶
- Report community hydropower impact ▶
- Report health impact ▶
- Report household impact ▶
- Report recreation or tourism impact ▶
- Report other business or industry impact ▶
- Report fire impact ▶
- Report forest impact ▶
- Report wildlife impact ▶
- Report freshwater fish impact ▶
- Report spawning fish impact ▶

# Impact checklists

## Report crop production impact ▼

### Crop production

Please use the check boxes to tell us what effects of drought you have experienced and actions you have taken.

Less water for irrigation

Reduced yield

Insect infestation

Crop disease

Other

|



# Sector-specific tabs

## Drought Condition Monitoring Observer Reports (CMOR) 2020

Overview

Experience

Crops

Livestock

Fire

Wildlife

Freshwater Fish

Household

Community hydropower

[See detail](#) on crop-related impacts.

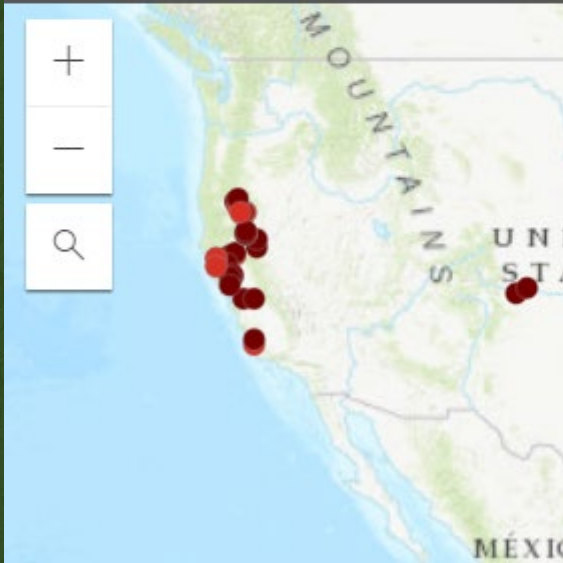


# Drought CMOR Crops Impacts

Crops Overview

Reduced yield

Reduced yield



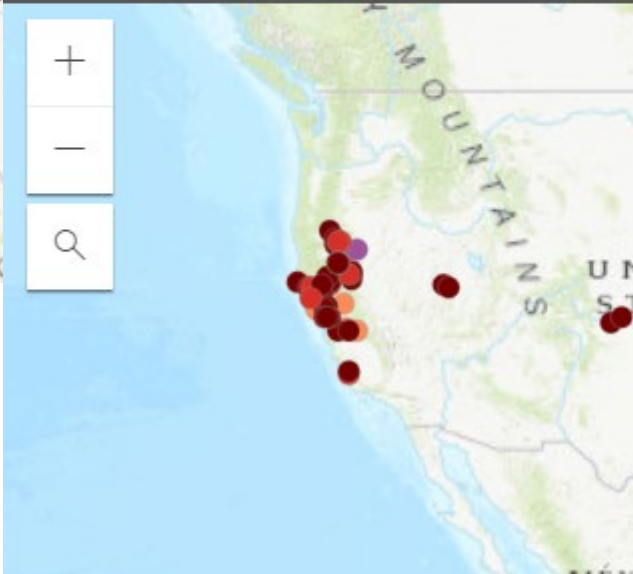
# Drought CMOR 2020: Livestock impacts

Livestock overview

Livestock, by experience

Pasture

Pasture



# Drought CMOR 2020: Household impacts

Overview

Wells

Dry Wells



Impact-specific tabs





# Photos

## Upload photo

You can upload a photo of up to 10 MB, if you are the photographer or have permission to share the photo. It will be visible on the web. Please be sure to use the description field below for credit and caption information: Who took the photo, what is the location, what is the date, and what is it showing us? By uploading the photo, you agree that it may be used and shared for educational and management purposes.

Press here to choose image file. (<10MB)



## Description and/or caption information

Did you upload a photo? If so please tell us how we should credit the photo, and what it is showing us.

Please provide any other description that will help us understand the drought impact or conditions that you checked, for example: What kind of crops do you grow? What kind of animals do you raise? Do you rely on your own well or are you part of a municipal system?

1000 //



# Observer type (new for 2021)

- Extension
  - Farmer or rancher
  - Water supplier
  - Homeowner
  - Climate or weather professional
  - Other:
- 

# Privacy levels (new for 2021)

1. Publish name
2. OK to share contact info with drought observers (not public)
3. Don't share any identifying details





# Drill into points for detail

(1 of 2)

How much experience do you have with conditions there? 20 or more years

How many times in the past have you seen it like this? Twice or more

Other

When was it like this in the past?

When was it most recently like this? 2011

Livestock production reduced\_pasture\_forage, decreased\_stock\_weights, animal\_stress, reduced\_grazing\_on\_public\_lands, less\_water, sold\_livestock

Other

Report household impact low\_or\_dry\_well

Other



Description and/or caption information

Severely dry conditions and no rainfall has led to having to heavily supplement pasture cow/calf operations with hay

Attachments:

[D4BEE002-2CF1-4EE5-8512-1A60ED4F405A.jpeg](#)



# Takeaways

- Condition Monitoring landing page (check for updates!): [go.unl.edu/CMOR\\_drought](http://go.unl.edu/CMOR_drought)
- We need consistent observations over time. People should report in wet, normal and dry conditions.
- Photos, photos, and more photos!
- Add historic photos of field conditions to the Visual Drought Atlas, [go.unl.edu/photoatlas](http://go.unl.edu/photoatlas)





## 3 Do's and a Don't (an evolving list)

**Don't:** Critique the US Drought Monitor or use CMOR reports to ask for financial assistance

**Do:** Describe how conditions are affecting you. Hauling hay? Irrigating more? Dry wells? Please describe current conditions in contrast with normal conditions or with past drought conditions. In other words, how often does this happen, and how does it differ from normal?

**Do:** Provide explanation of photos, or better yet, photos for comparison of dry, normal and even wet conditions. If this is dry, what does it look like in a normal year?

**Do:** Report at regular intervals, in dry, wet and normal conditions -- monthly, weekly or seasonally.



# Quick Links



Survey form:  
[go.unl.edu/CMOR](https://go.unl.edu/CMOR)

Condition Monitoring landing  
page: [go.unl.edu/CMOR\\_drought](https://go.unl.edu/CMOR_drought)

Questions? Email:  
Kelly Helm Smith  
[ksmith2@unl.edu](mailto:ksmith2@unl.edu)

And remember: Consistency counts!

