The US Drought Portal

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October 7, 2009
U.S. Drought Portal – Data Services
U.S. Drought Portal – Data Services

NOAA’s National Climatic Data Center
U.S. Drought Portal – Data Services

To generate an interactive graph, select options on the left:
- Select desired State from the Drop-Down list.
- Select the check box to view data by Climate Division or Station - (Wait for data to load)
- Use either the map interface or the U.S. EPA menus to select a division or station.
- Select the initial date range.
- Select the variable you are interested in graphing and optionally a second variable.
- Check the 'Long Term Mean?' box if you would like to see the mean for the period of record.
- Click the 'View Graph' button.

The graph will appear in the box above. Once the graph is generated, you will be able to click and drag the axes to manipulate the view or look back in the period of record. Another useful feature is the ability to resize the axes. To resize the axes, hold down the 'Shift' key, then click and drag on the desired axis.
U.S. Drought Portal – Data Services

Colorado River Basin

- Allows comparison with other locations
U.S. Drought Portal – Data Services Goal

Farms Affected By July, 2005 Drought
Source: North American Drought Monitor

Types of Farms Affected:
Crop Farms: 16,188
Poultry and Hog Farms: 957
Diary Farms: 758

Intensity:
D0 Abnormally Dry
D1 Drought - Moderate
D2 Drought - Severe
D3 Drought - Extreme
D4 Drought - Exceptional
U.S. Drought Portal – New State Information

Area Drought Information

U.S. Drought Monitor
North Carolina

December 9, 2008
Valid 7 a.m. EST

Drought Conditions

% Area For North Carolina
MS Center: National Drought Mitigation Center

Drought Information for North Carolina

State Drought Plan
- North Carolina Emergency Operations Procedures for Drought Emergencies

State Drought Council or Applicable Agency
- Drought - North Carolina Division of Water Resources

State Climate Office
- American Association of State Climatologists - North Carolina

National Weather Service Weather Forecast Offices Serving State
- NWS - Wakefield, VA
- GSP - Greenville Spartanburg, SC
- DFP - Winterville, NC
- DHR - Newport/Morehead City, NC
- EJ/D - Jacksonville, NC
- EBW - Blackburn, VA

USDA Extension Offices
- USDA Extension Offices

Other Information
- Department of Agriculture & Consumer Services Drought Information
- NC Cooperative Extension Disaster Information
- North Carolina Drought Management Advisory Council

NOAA's National Climatic Data Center

Released Thursday, December 11, 2008
Author: National Drought Mitigation Center

Click on a highlighted county warning area to view the Drought Statements of clubs nearby listed from the current Statement List.

Drought Time Series

% Area For North Carolina
MS Center: National Drought Mitigation Center

http://drought.unl.edu/dm
Scientists use data collected by remote sensing - typically via satellites, radar or aerial photography - as an additional source of drought indicators. Many of the remote sensing maps and analyses are based on data gathered by the National Oceanic and Atmospheric Administration’s Advanced Very High Resolution Radiometer (AVHRR) satellite instrumentation. AVHRR data allow researchers to compute the Normalized Difference Vegetation Index (NDVI), a measure of plant health. Drought is only one influence on plant health, so sparse vegetation does not automatically imply drought.
U.S. Drought Portal – Relief and Recovery

**Short-Term Drought Relief and Recovery**

- NOAA provides short-term technical assistance and advice water managers on how to facilitate transfers of water. It also oversees:
  - Endangered Species Act
  - NEPA

**US Department of Agriculture**

- Crop Production Losses
  - Disaster Assistance Programs

- Natural Resource Protection/Private Lands
  - Environmental Quality Incentives Program
  - Emergency Watershed Protection

- Community Water and Wastewater

**US Department of Interior**

- The Recovery Act
- The Drought Water Bank

**National Oceanic and Atmospheric Administration**

**Small Business Administration**

- The SBA can provide Economic Injury Disaster Loans

**US Army Corps of Engineers**

- The USACE has the authority to transport water for human consumption and usage.

**Department of Labor**

- The DOL offers National Emergency Grants to train workers so they can find new employment.
Portal Technology – Can Lock Down Information

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Portal Technology – Author Toolbox

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U.S. Drought Portal – Going International

NOAA’s National Climatic Data Center
New Tools Coming to a Map Viewer Near You

1-Month Standard Precipitation Index Maps

North American 1-Month Standard Precipitation Index Maps Dot Map

U.S. and Mexico 1-Month Standard Precipitation Index Map Contour Map

2-Month Standard Precipitation Index Maps

North American 2-Month Standard Precipitation Index Maps Dot Map

U.S. and Mexico 2-Month Standard Precipitation Index Maps Contour Map

Palmer Drought Index
September 2008

* Based on Preliminary Data
** Calibration Period 1951 – 2001

NOAA’s National Climatic Data Center
New Tools Coming to a Map Viewer Near You

U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period
Valid September 17, 2009 - December 2009
Released September 17, 2009

KEY:
- Drought to persist or intensify
- Drought ongoing, some improvement
- Drought likely to improve, impacts ease
- Drought development likely

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events such as individual storms cannot be accurately forecast more than a few days in advance. Use caution for applications such as crops that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor. NOTE: The green improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.
USDP – Data Services Tied To Mapping Service
USDP– Upcoming Improved Visualizations

NOAA’s National Climatic Data Center
U.S. Drought Portal – New Source of Information

NIDIS Pilot Regions And CRN Stations

- CRN Stations
- Lower_Colorado
- Upper_Colorado
- ACF
- ACT
U.S. Drought Portal – New Source of Information

Soil Moisture and Temperature Observations from USCRN
Soil Moisture and Temperature Observations from USCRN

TN Crossville 7 NW - 20 cm Moisture
Hourly since 2100 on 20090409
THE END

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