

2010 Drought

Severe drought developed during the summer and fall of 2010 and lingered for the rest of 2010. Most of southeast Missouri and western Kentucky received federal disasters declarations due to major crop damage.

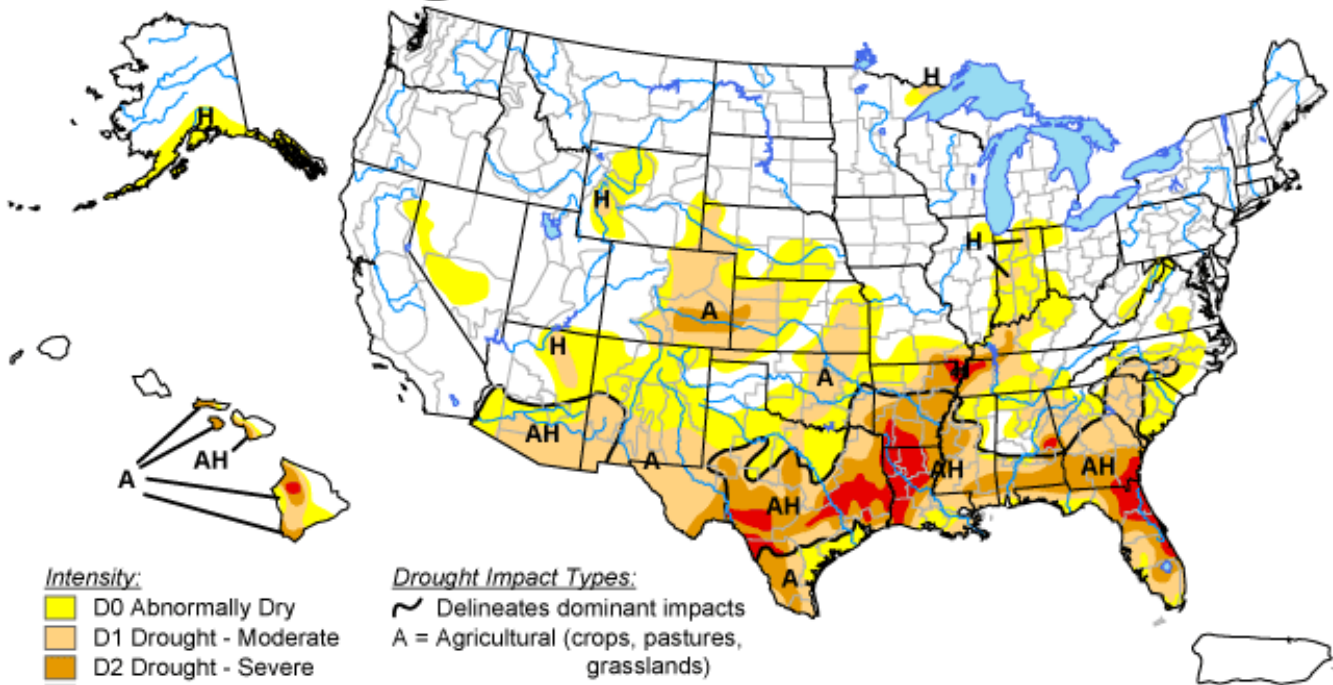
**DROUGHT INFORMATION STATEMENT
NATIONAL WEATHER SERVICE PADUCAH KY
927 AM CST FRI DEC 17 2010**

OVERVIEW / LOCAL AREA AFFECTED:

EXTREME DROUGHT IS NOW CONFINED TO AN AREA ALONG THE ARKANSAS BORDER IN RIPLEY AND BUTLER COUNTIES. SEVERE DROUGHT IS DEPICTED SOUTH OF A LINE FROM DONIPHAN MISSOURI TO MADISONVILLE KENTUCKY. MODERATE DROUGHT EXISTS SOUTH OF A LINE FROM VAN BUREN MISSOURI TO PADUCAH KENTUCKY TO ROCKPORT INDIANA.

U.S. Drought Monitor

December 28, 2010
Valid 7 a.m. EST



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

Drought Impact Types:

- Delineates dominant impacts
- A = Agricultural (crops, pastures, grasslands)
- H = Hydrological (water)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://drought.unl.edu/dm>



Released Thursday, December 30, 2010
Author: David Miskus, NOAA/NWS/NCEP/CPC

U.S. Drought Monitor

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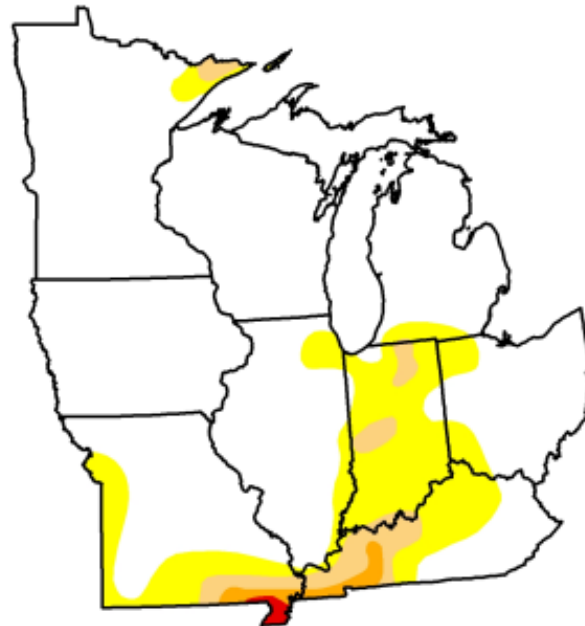
Midwest

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	79.27	20.73	4.91	1.31	0.29	0.00
Last Week (12/21/2010 map)	81.35	18.65	4.75	1.12	0.29	0.00
3 Months Ago (09/28/2010 map)	74.55	25.46	9.61	2.68	0.00	0.00
Start of Calendar Year (12/29/2009 map)	88.70	11.30	3.48	0.80	0.00	0.00
Start of Water Year (09/28/2010 map)	---	---	---	---	---	---
One Year Ago (12/22/2009 map)	88.70	11.30	3.48	0.80	0.00	0.00

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National Drought Mitigation Center

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SUMMARY OF IMPACTS...

SOIL MOISTURE CONDITIONS...

RAINFALL DURING THE PAST MONTH HAS HELPED TOPSOIL CONDITIONS...HOWEVER SUBSOIL NUMBERS SHOW DEFICITS.

CLIMATE SUMMARY...

WINTER WEATHER HAS GRIPPED THE REGION DURING THE PAST WEEK BRINGING A MIXED BAG OF PRECIPITATION OF RAIN...SNOW...SLEET AND FREEZING RAIN. MODERATE RAIN LAST WEEKEND DROPPED BETWEEN ONE-HALF AND ONE INCH OF RAIN BEFORE CHANGING OVER TO SNOW SUNDAY. MANY AREAS RECEIVED 1 TO 2 INCHES. A MIX OF RAIN AND FREEZING RAIN DROPPED UP TO ONE-HALF INCH LATER THIS WEEK.

AT PADUCAH KENTUCKY...A 1.16 HAS FALLEN SO FAR IN DECEMBER...THIS IS 1.25 INCHES BELOW NORMAL. SINCE JANUARY 1...35.61 INCHES HAS FALLEN...11.66 INCHES BELOW NORMAL.

AT EVANSVILLE INDIANA...1.16 INCHES OF RAIN AND SNOW HAS FALLEN THUS FAR IN DECEMBER...THIS IS 0.82 INCHES BELOW NORMAL. SINCE JANUARY 1...32.14 INCHES HAS FALLEN...10.57 INCHES BELOW NORMAL.

PRECIPITATION/TEMPERATURE OUTLOOK...

THE NEXT WEEK LOOKS MOSTLY DRY WITH A FEW DISTURBANCES BRINGING LOW CHANCES OF PRECIPITATION.

THE 8 TO 14 DAY OUTLOOK...FOR DECEMBER 24 THROUGH 30...CALLS FOR CLIMATOLOGICAL CONDITIONS FOR BOTH TEMPERATURE AND PRECIPITATION. DURING THIS TIME...NORMAL AVERAGE TEMPERATURES ARE 32 TO 35 DEGREES. NORMAL TOTAL PRECIPITATION DURING THIS TIME PERIOD IS BETWEEN THREE-QUARTERS AND ONE INCH. THE TERM CLIMATOLOGICAL CONDITIONS MEANS THERE ARE EQUAL CHANCES FOR BELOW NORMAL... NORMAL...AND ABOVE NORMAL CONDITIONS.

HYDROLOGIC SUMMARY AND OUTLOOK...

AS OF DECEMBER 17...STREAMFLOWS ACROSS THE REGION ARE RUNNING NEAR TO BELOW NORMAL.

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RELATED WEB SITES...

THE FOLLOWING WEB ADDRESSES ARE AVAILABLE FOR FURTHER WEATHER AND DROUGHT INFORMATION (ADDRESSES SHOULD BE IN LOWER CASE)...

LOCAL WEATHER...CLIMATE AND WATER INFORMATION...

[HTTP://WEATHER.GOV/PADUCAH](http://weather.gov/paducah)

UNITED STATES DROUGHT MONITOR...

[HTTP://WWW.DROUGHT.UNL.EDU/DM/INDEX.HTML](http://www.drought.unl.edu/dm/index.html)

NATIONAL INTEGRATED DROUGHT INFORMATION SYSTEM...

[HTTP://WWW.DROUGHT.GOV](http://www.drought.gov)

MIDWEST REGIONAL CLIMATE CENTER...

[HTTP://MRCC.SWS.UIUC.EDU/CLIWATCH/WATCH.HTM](http://mrcc.sws.uiuc.edu/cliwatch/watch.htm)

CLIMATE PREDICTION CENTER...

[HTTP://WWW.CPC.NOAA.GOV](http://www.cpc.noaa.gov)

USDA NATIONAL AGRICULTURAL STATISTICS SERVICE...

[HTTP://WWW.NASS.USDA.GOV](http://www.nass.usda.gov)

KENTUCKY DIVISION OF WATER...

[HTTP://WWW.WATER.KY.GOV/](http://www.water.ky.gov/)

KENTUCKY DIVISION OF FORESTRY ...

[HTTP://WWW.FORESTRY.KY.GOV/](http://www.forestry.ky.gov/)

USGS STREAMFLOW INFORMATION...

[HTTP://WATER.USGS.GOV/WATERWATCH](http://water.usgs.gov/waterwatch)

ADVANCED HYDROLOGIC PREDICTION SERVICE...

[HTTP://WWW.CRH.NOAA.GOV/AHPS2/INDEX.PHP?WFO=PAH](http://www.crh.noaa.gov/ahps2/index.php?wfo=PAH)

ACKNOWLEDGMENTS...

THE U.S. DROUGHT MONITOR IS A MULTI-AGENCY EFFORT INVOLVING THE NATIONAL WEATHER SERVICE AND NATIONAL CLIMATIC DATA CENTER...THE USDA...STATE AND REGIONAL CENTER CLIMATOLOGISTS AND THE NATIONAL DROUGHT MITIGATION CENTER. INFORMATION FOR THIS STATEMENT HAS BEEN GATHERED FROM NWS AND FAA OBSERVATION SITES...COOPERATIVE NETWORK STATIONS...THE U.S. GEOLOGICAL SURVEY...AND THE U.S. ARMY CORPS OF ENGINEERS.