

# Spring/Summer Drought of 2012

DROUGHT INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE PADUCAH KY  
1145 AM CDT THU AUG 2 2012

...EXCEPTIONAL DROUGHT EXPANDS ONLY SLIGHTLY...

## **SYNOPSIS...**

EXCEPTIONAL DROUGHT /D4/ HAS EXPANDED ONLY SLIGHTLY ON THE EDGES THIS WEEK. IN SOUTHWEST INDIANA THIS COVERS...GIBSON...PIKE...POSEY...WARRICK...VANDERBURGH AND NOW SPENCER IN KENTUCKY...THIS COVERS AN AREA ALONG AND WEST OF A LINE FROM OWENSBORO TO SOUTH OF PRINCETON TO MURRAY. IN SOUTHEAST MISSOURI...D4 NOW COVERS AN AREA ALONG AND SOUTH OF A DONIPHAN TO JACKSON LINE. IN SOUTHERN ILLINOIS...THE D4 AREA LIES SOUTH OF A LINE FROM MURPHYSBORO TO MOUNT CARMEL. EXTREME DROUGHT /D3/ COVERS THE REST OF THE REGION.

## **SUMMARY OF IMPACTS...**

SOIL MOISTURE CONDITIONS.

SOIL MOISTURE DEFICITS REMAIN ACROSS THE REGION. NINETY TO 100 PERCENT OF THE REGION'S TOPSOIL AND SUBSOIL IS REPORTED AS SHORT OR VERY SHORT.

AGRICULTURAL IMPACTS.

NUMEROUS COUNTIES ACROSS THE REGION HAVE BEEN DECLARED A NATURAL DISASTER. MANY CROPS ARE A PARTIAL OR COMPLETE LOSS. A MAJORITY OF THE CORN AND SOYBEANS ARE LISTED POOR OR VERY POOR. INCREASING AMOUNTS OF LIVESTOCK AND FIELDS ARE SHOWING STRESS. THE PERCENTAGE OF PASTURES IN THE AREA RATED AS POOR AND VERY POOR CONTINUES TO GROW. PONDS ACROSS THE REGION ARE DRY OR DRYING QUICKLY.

FIRE DANGER IMPACTS.

EVEN WITH THE ISOLATED RAINFALL OF THE LAST WEEK...FIRE DANGER REMAINS HIGH ACROSS THE REGION.

AS OF JULY 31...BURN BANS ARE IN PLACE IN THE FOLLOWING COUNTIES:

IN KENTUCKY...BALLARD...CALDWELL...CARLISLE...CHRISTIAN...CRITTENDEN...DAVIESS...FULTON...HENDERSON...HICKMAN...LYON...MARSHALL...MCCRACKEN...MCLEAN...MUHLENBERG...UNION AND WEBSTER.

IN INDIANA...POSEY...GIBSON...PIKE...VANDERBURGH...WARRICK AND SPENCER.

IN ILLINOIS...ALEXANDER...GALLATIN...HAMILTON...JACKSON...POPE...SALINE...UNION AND WILLIAMSON.

IN MISSOURI...CARTER...BOLLINGER...CAPE GIRARDEAU...MISSISSIPPI...

RIPLEY AND SCOTT.

ADDITIONALLY...NUMEROUS INDIVIDUAL TOWNS/VILLAGES ACROSS SOUTHEAST MISSOURI AND SOUTHERN ILLINOIS HAVE ISSUED BURN BANS. PLEASE CHECK WITH LOCAL AUTHORITIES BEFORE ANY OPEN BURNING.

DUE TO INCREASINGLY DRY VEGETATIVE CONDITIONS...MORE COUNTIES/TOWNS MAY POST BURN BANS THAT PROHIBIT ANY OPEN BURNING. AGAIN...CHECK BEFORE YOU BURN!

WATER SUPPLY.

SEVERAL LOCATIONS ARE NOW BEING ASKED TO CONSERVE WATER. THE STATE OF KENTUCKY HAS ISSUED A WATER SHORTAGE WATCH FOR MCLEAN AND CRITTENDEN COUNTIES IN WEST KENTUCKY.

### **CLIMATE SUMMARY...**

AT PADUCAH KENTUCKY...1.78 INCHES OF RAIN FELL IN JULY...THIS WAS 2.66 INCHES BELOW NORMAL FOR THE MONTH. SINCE JUNE 1...2.68 INCHES HAS FALLEN...5.93 INCHES BELOW NORMAL. SINCE JANUARY 1...13.37 INCHES HAS FALLEN...16.46 INCHES BELOW NORMAL.

AT EVANSVILLE INDIANA...2.34 INCHES OF RAIN FELL IN JULY...THIS WAS 1.58 INCHES BELOW NORMAL FOR THE MONTH. SINCE JUNE 1...2.49 INCHES HAS FALLEN...5.31 INCHES BELOW NORMAL. SINCE JANUARY 1...13.87 INCHES HAS FALLEN...14.17 INCHES BELOW NORMAL.

### **PRECIPITATION/TEMPERATURE OUTLOOK...**

THE WEATHER WILL REMAIN UNSETTLED THROUGH THE WEEKEND UNTIL A FRONT PASSES THROUGH THE REGION LATE SUNDAY. HIGH PRESSURE THEN BUILDS BACK IN FOR AT LEAST THE FIRST HALF OF NEXT WEEK WITH TEMPERATURES AGAIN IN THE MIDDLE 90S. WHILE THERE ARE CHANCES FOR SHOWERS AND STORMS THROUGH MOST OF THE WEEKEND...MANY LOCATIONS WILL REMAIN DRY.

THE 8 TO 14 DAY OUTLOOK...FOR AUGUST 9 THROUGH 15...CALLS FOR ABOVE NORMAL TEMPERATURES AND BELOW NORMAL PRECIPITATION. DURING THIS TIME... NORMAL AVERAGE TEMPERATURES ARE 77 TO 79 DEGREES. NORMAL TOTAL PRECIPITATION DURING THIS TIME PERIOD IS AROUND THREE-QUARTERS OF AN INCH.

### **HYDROLOGIC SUMMARY AND OUTLOOK...**

AS OF JULY 31...STREAMFLOWS THROUGH SOUTHEAST MISSOURI...THE LOWER OHIO...LOWER WABASH...TENNESSEE AND MIDDLE MISSISSIPPI RIVER VALLEYS ARE RUNNING NORMAL TO BELOW NORMAL.

NEXT ISSUANCE DATE...

THE NEXT DROUGHT INFORMATION STATEMENT WILL BE ISSUED BY FRIDAY...AUGUST 10.

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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://DROUGHTMONITOR.UNL.EDU](http://droughtmonitor.unl.edu)

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)

USGS STREAMFLOW INFORMATION...

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

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.

QUESTIONS OR COMMENTS...

IF YOU HAVE ANY QUESTIONS OR COMMENTS ABOUT THIS DROUGHT INFORMATION PLEASE CONTACT...

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LAMM...ADDED MARSHALL COUNTY TO BURN BAN LIST