

Storm Data and Unusual Weather Phenomena - September 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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ILLINOIS, South

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

09/01/07 00:00 CST	0	Drought
09/30/07 23:59 CST	0	

Severe drought conditions that developed late in August persisted through September. The persistent 500 mb high over the southeast and south central U.S. started to break down at times, allowing an increase in rainfall. At Carbondale, the monthly rainfall was 2.19 inches. This rainfall was beneficial but not sufficient to improve drought conditions. Soil moisture in the top 12 inches of soil was running 20 to 50 percent below normal. This impacted the agricultural sector. Statewide across Illinois, 55 percent of pasture land was rated poor or very poor. Harvesting of the corn and soybean crop was underway, and crop damage assessments will be included in later reports. Fire danger remained high for part of the month. A ban on outdoor burning was posted in Union and Hardin Counties for part of the month.

WABASH COUNTY

MT CARMEL	09/26/07 07:45 CST	0	Heavy Rain
	09/26/07 09:45 CST	0	38.42N, 87.77W

Heavy rainfall produced some minor flooding of secondary streets in Mount Carmel. Several vehicles including a jeep became stranded in high water on city streets. The grounds of a middle school were partially flooded.

An upper level trough and surface cold front approached the region, touching off showers and thunderstorms. Many of these thunderstorms moved slowly or almost not at all. This produced isolated minor flooding problems.

INDIANA, Southwest

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

09/01/07 00:00 CST	0	Drought
09/30/07 23:59 CST	0	

Severe drought conditions that developed late in August worsened to extreme drought conditions in September. The persistent 500 mb high over the southeast and south central U.S. started to break down at times, allowing an increase in rainfall. Although this rainfall was beneficial, it was insufficient to improve drought conditions. The monthly total at the Evansville airport was 2.22 inches. Soil moisture in the top 12 inches was running 20 to 50 percent below normal. Statewide across Indiana, 74 percent of pasture land was rated poor or very poor. Corn and soybean harvests were underway, and crop damage estimates will be included in later reports. A ban on outdoor burning was imposed in Evansville and surrounding areas within four miles. A burn ban was posted for Posey, Warrick, and Spencer Counties.

GIBSON COUNTY

PRINCETON	09/26/07 06:30 CST	0	Heavy Rain
	09/26/07 07:30 CST	0	38.35N, 87.57W

Street flooding was reported. Estimated rainfall rates were between one and two inches per hour.

An upper level trough and surface cold front approached the region, touching off showers and thunderstorms. Many of these thunderstorms moved slowly or almost not at all. This produced isolated minor flooding problems.

KENTUCKY, Southwest

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCrackEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

09/01/07 00:00 CST	0	Drought
09/30/07 23:59 CST	0	

Severe to extreme drought conditions persisted across western Kentucky through September. The persistent 500 mb high over the

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southeast and south central U.S. started to break down at times, allowing an increase in rainfall. At Paducah, monthly rainfall was 1.99 inches. Although this rainfall was beneficial, it was insufficient to improve drought conditions. Paducah was 8.6 inches below normal for year-to-date rainfall. Some parts of the Pennyriple region around Hopkinsville were over 15 inches below normal. The Commonwealth of Kentucky maintained a Water Shortage Watch for Muhlenberg County, where dry conditions created the potential for drinking water supply problems. Fort Campbell implemented phase one water restrictions due to water supply concerns. Unnecessary water use was prohibited. In Marion in Crittenden County, residents were asked to voluntarily conserve water due to the low levels of the city's reservoir. The governor of Kentucky sought a federal disaster declaration for agricultural losses incurred by the drought. The disaster declaration was granted the following month. The main impact of the dry conditions was the low production of hay for livestock feed. Soil moisture deficits in the top 12 inches of soil were running 20 to 50 percent below normal. Statewide, 78 percent of pasture land was rated poor or very poor. Corn was harvested very early as a result of heat and worsening drought conditions. Preliminary reports indicated the soybean crop was extremely poor, and some fields would not be worth harvesting. Crop damage estimates would not be available until harvesting was completed. Fire danger was moderate to high. Most counties in western Kentucky banned outdoor burning during the driest part of the month.

MISSOURI, Southeast

(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID

09/01/07 00:00 CST	0	Drought
09/30/07 23:59 CST	0	

Severe drought conditions that developed over southeast Missouri in August persisted through September. The persistent 500 mb high over the southeast and south central U.S. started to break down at times, allowing an increase in rainfall. At Cape Girardeau, monthly rainfall was 5.40 inches. This was not representative of southeast Missouri. Poplar Bluff measured only 1.60 inches. The rainfall was beneficial but not sufficient to improve drought conditions. Soil moisture in the top 12 inches of soil was 20 to 50 percent below normal. This greatly affected agriculture. 99 percent of the pasture land across southeast Missouri was rated poor or very poor. The corn crop was harvested much earlier than normal due to increasing heat and drought through the summer. The non-irrigated soybean crop was heavily damaged. Crop damage estimates were not yet available. Fire danger remained high for part of the month. A ban on outdoor burning was in effect for part of the month for Cape Girardeau County.

CARTER COUNTY

VAN BUREN	09/08/07 09:00 CST	0	Flash Flood (due to Heavy Rain)
	09/08/07 09:30 CST	0	37N, 91.02W

The Missouri DOT reported several creeks were being sandbagged due to flooding of secondary roads in and around Van Buren.

A cold front slowly approached the region. A series of thunderstorms repeatedly passed over Carter County, producing isolated flash flooding.