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TANKS, TIPS & TRENDS
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News Around the U.S.

Monsoon rains benefit aquifers

The past 8 years, researchers from Arizona State University, New Mexico University and the U.S. Department of Agriculture, have been monitoring and measuring the effects of monsoon rainfall in the Chihuahuan Desert in New Mexico.

The journal of Water Resources Research, recently published their findings and conclusions. During the summer months, monsoon rainstorms fill dry stream beds with rushing water. By using a combination of field instruments and unmanned aerial vehicles, hydrologic and ecologic data was collected. Nearly 25% of water from monsoon rainstorms is found to be absorbed into the groundwater system thereby recharging the groundwater levels.

"The result of this study show that monsoon storms serve an important role in recharging groundwater aquifers near the point of runoff generation," says ASU hydrologist Enrique Vivoni of the School of Earth and Space Exploration and the School of Sustainable Engineering and Built Environment. "This is an essential process that banks renewable surface water for future use as a ground water resource in the arid Southwest and throughout the world."

Arizona State University. "Monsoon rains found to be beneficial to underground aquifers." ScienceDaily, 1 August 2018.

<https://www.sciencedaily.com/releases/2018/08/180801125035.htm>

Tyson Foods officially acquires Keystone Foods

Announced on 08-20-18, Tyson Foods reached an agreement to purchase Keystone Foods, a chicken processor and subsidiary of Brazil's Marfrig Global Foods. The purchase price totaled \$2.16 billion. Tyson Foods, Inc. headquarters is located in Springdale, Arkansas. According to www.tysonfoods.com/news, the acquisition includes six processing plants and an innovation center in the U.S. located in Alabama, Georgia, Kentucky, North Carolina, Pennsylvania and Wisconsin. It also includes eight plants and three innovation centers in China, South Korea, Malaysia, Thailand and Australia.

<https://www.tysonfoods.com/news/news-releases/2018/8/tyson-foods-acquire-keystone-foods>

Major Flooding & 1 reported death across Dane County

Declared State of Emergency in Dane County, August 21, 2018 by Wisconsin Governor Scott Walker.

Record setting heavy rains caused major flooding across areas such as Middleton, Mazomanie, Cross Plains, Black Earth and Madison, WI.

The National Weather Service estimated 15.33 inches of rain in Cross Plains, WI. If confirmed this would be the heaviest rainfall in 24-hour period ever recorded in Wisconsin. The official record was 11.72 inches near Mellen back in June 1946.



<https://walker.wi.gov/press-releases/governor-walker-declares-state-emergency-dane-county>

<https://www.jsonline.com/story/news/2018/08/21/widespread-flooding>

**Kentucky Rural Water Association's
39th Annual Conference and Exhibition**

August 27 - 29, 2018

Galt House Hotel and Suites ♦ Louisville, Kentucky

Visit us at Booth # 66

August

National Water Quality Month
August 16th—Tell a Joke Day

- 1: What did one ocean say to the other ocean?
- 2: What runs, but never walks?



Increased precipitation across Northeastern U.S.

Researchers from Dartmouth College have studied data that suggests an increase of precipitation across the Northeastern states, from Maine to West Virginia. Precipitation levels were 53 percent higher than anywhere else in the U.S. The findings concluded that hurricanes and tropical storms were the primary causes for the increase. Published in the Journal of Geophysical Research, the precipitation data was measured from 1979 to 2016 and combined with daily weather maps as well as oceanic and atmospheric measurements.

Dartmouth College. "What is causing more extreme precipitation in northeastern U.S.? Hurricanes and tropical storms are the primary cause." ScienceDaily, 31 July 2018. <https://www.sciencedaily.com/releases/2018/07/180731164106.htm>

Principal Aquifers across the United States

