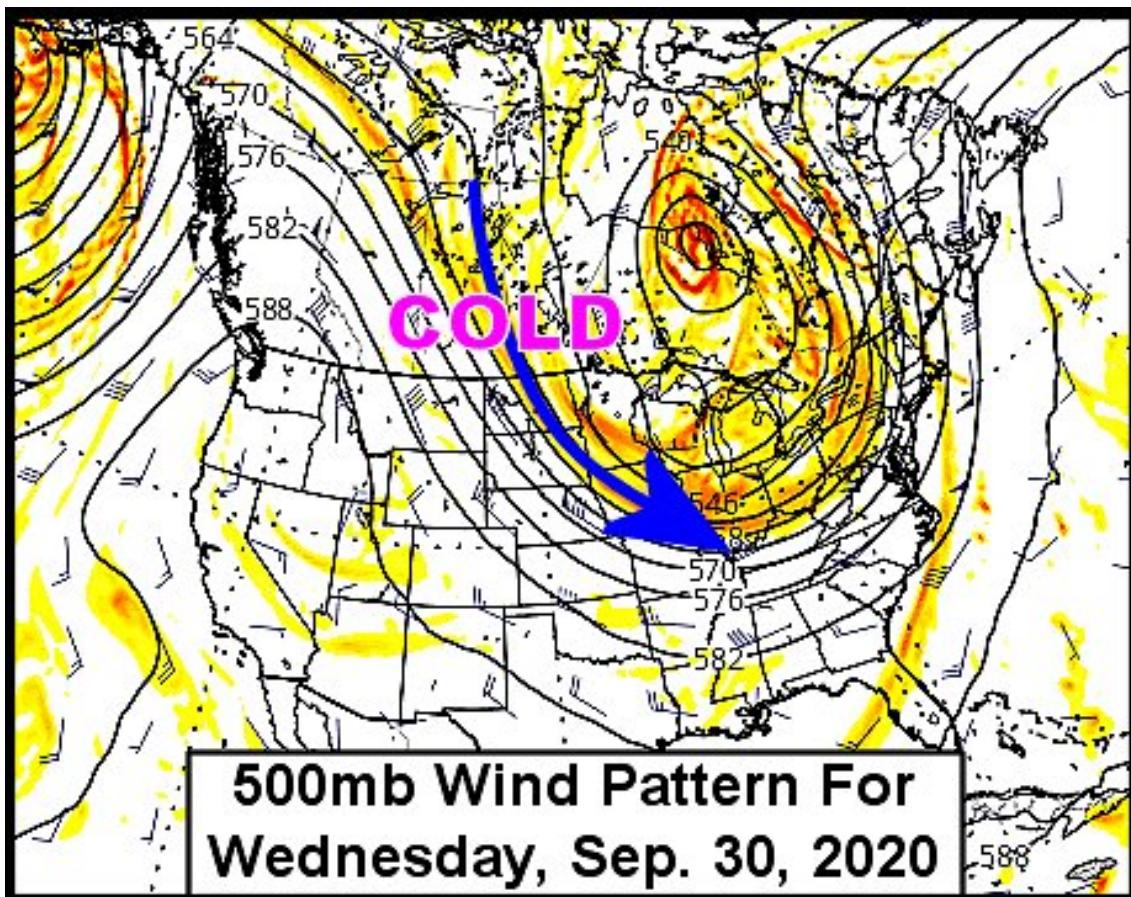


Unusual Cold Will Dominate Midwest Next Week

By Brad Luchen and Drew Lerner

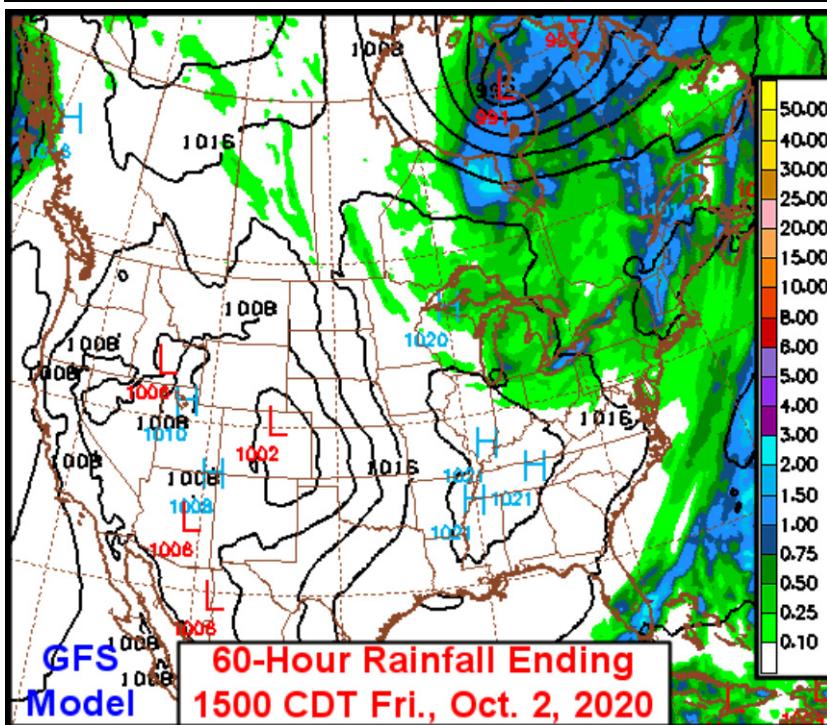
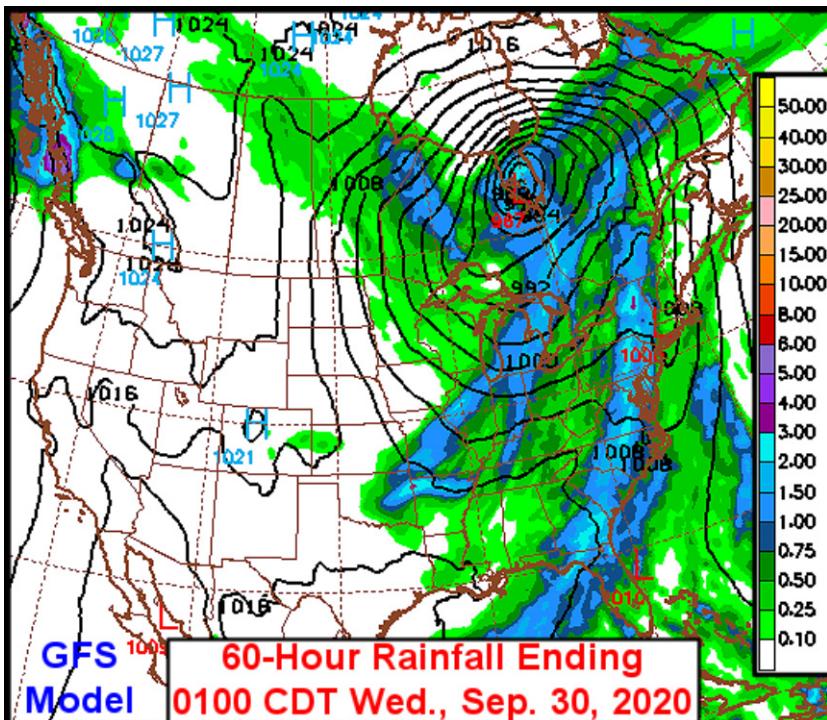
Kansas City, September 25 (World Weather Inc.) – A broad-based, strong, trough of low pressure and associated unusually cold airmass will be over the U.S. Midwest for much of next week. Freezes will likely occur in at least the northern half of the region in the latter half of next week and frost will be possible in the south. The cold conditions will be more of a benefit than a detriment since it will help defoliate soybeans faster for harvesting in October. A leading area of low pressure Sunday into Monday will promote a swath of significant rain through the middle of the region which will raise soil moisture and cause some fieldwork delays. Erratic shower activity across the Great Lakes and into the lower eastern Midwest after this will lead to some additional delays, especially since the cold air will limit evaporation rates.

Another change in upper air wind flow will take place this weekend and early next week returning a strong northwesterly flow of air aloft into the central and eastern half of the nation. The upper air wind flow pattern will be similar to that which occurred in early September only farther to the east. That early September surge of air brought on the unseasonably cold conditions in the U.S. Plains September 8-9. The same kind of impact is expected across the Midwest starting next week and lasting for about ten days.



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The initial surge of colder air will induce a period of rain across the central and



temperatures and periods of light precipitation will culminate in a poor crop maturation and harvest pattern. Daily precipitation totals will be light, but fieldwork will still be limited because of the periodic precipitation.

The showery pattern late next week will become most significant in Michigan, Wisconsin, northern Indiana and Ohio, but variable cloudiness will still be occurring and the coolness will be most significant at that time. The precipitation will still be inducing some

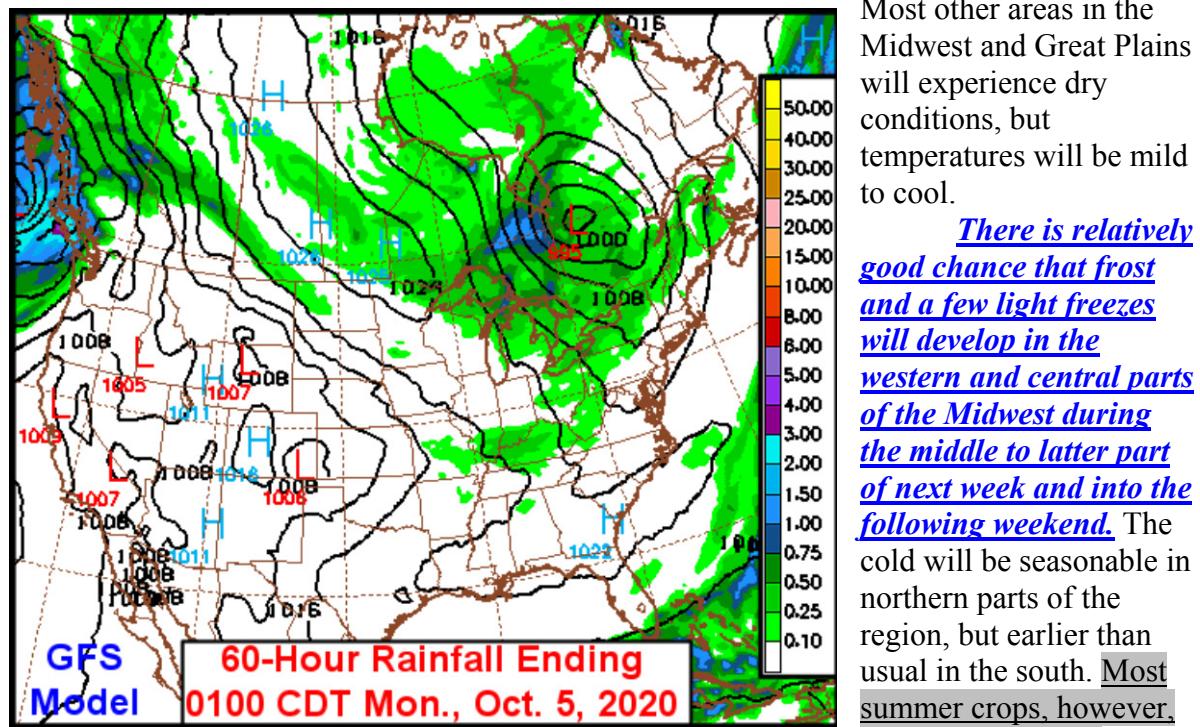
eastern Midwest Sunday and Monday producing 0.30 to 0.80 inch of moisture with local totals of 1.00 to 1.50 inches. The wettest area will be from Missouri to Michigan and from central Kentucky to northeastern Indiana and northwestern Ohio.

Once the initial frontal system moves through the Midwest the deep upper level low pressure trough will come into eastern North America and become a persistent feature for about ten days. Weak reinforcing shots of cool air will move through the trough from the upper Midwest across the Great Lakes region and into the lower eastern Midwest and the middle and northern Atlantic Coast States. These additional shots of cool air will induce showers and drizzle periodically and will result in a poor environment for drying across the Great Lakes region and into the lower eastern Midwest.

Frequent cloud cover, northwesterly breezes, cooler than usual

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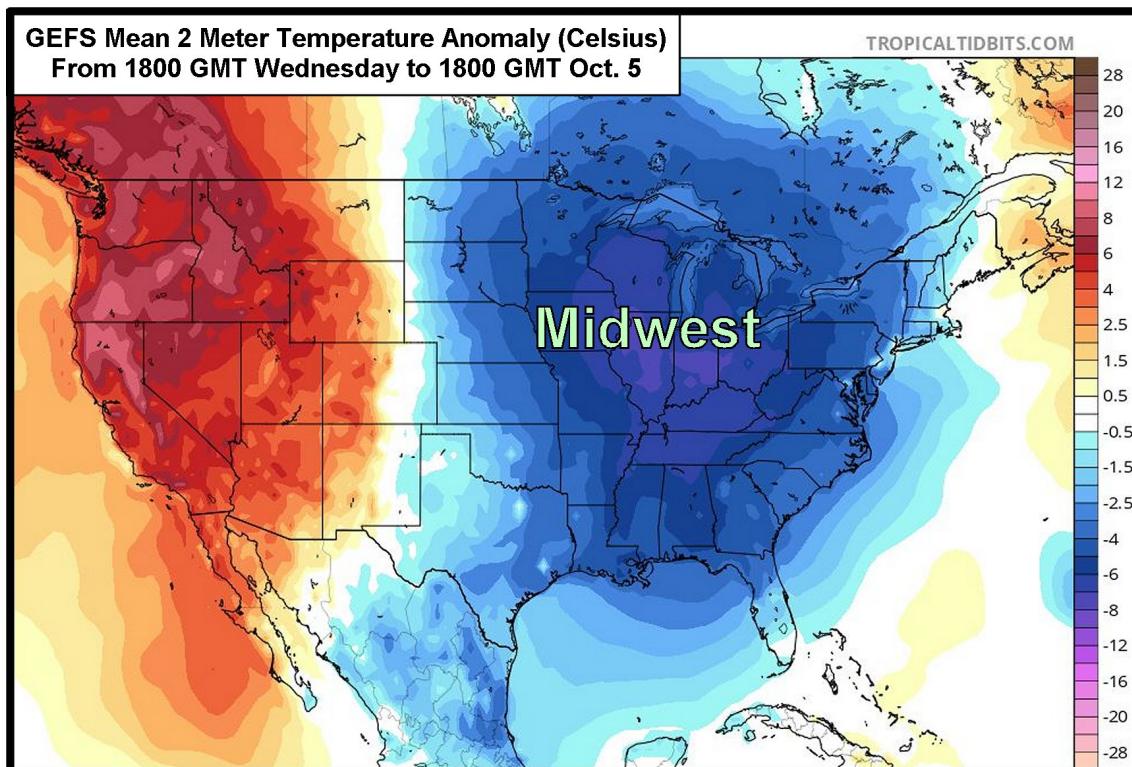
delay to farming activity, but mostly in the northeastern Corn and Soybean production areas.



Most other areas in the Midwest and Great Plains will experience dry conditions, but temperatures will be mild to cool.

[There is relatively good chance that frost and a few light freezes will develop in the western and central parts of the Midwest during the middle to latter part of next week and into the following weekend.](#) The cold will be seasonable in northern parts of the region, but earlier than usual in the south. Most summer crops, however, will be sufficiently

mature enough to handle the cold without significant impact. [Soybean leaf defoliation may be accelerated by the cold and some producers might be able to spare the cost of defoliant chemicals in a few areas and allow nature to bring on leaf dropage more naturally.](#)



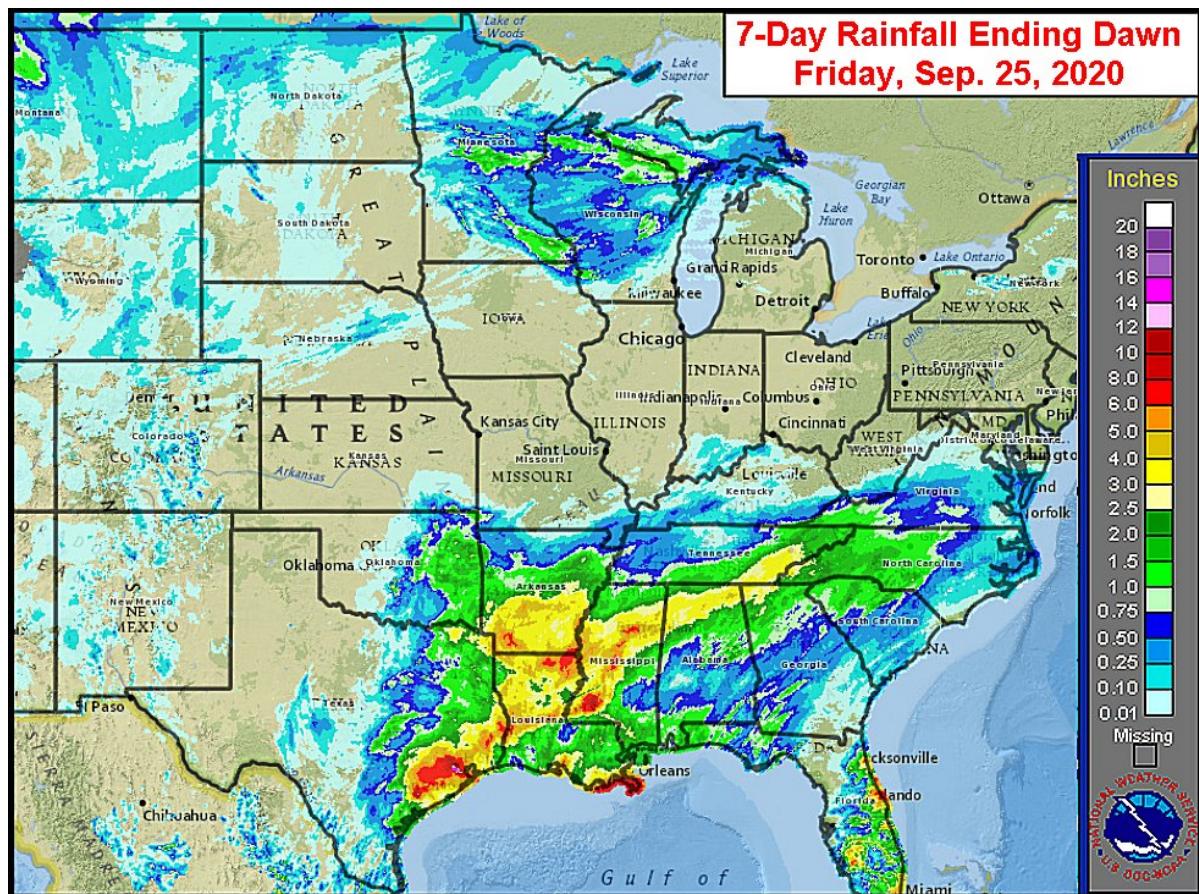
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Hard freezes may be rare because of variable cloudiness, but the airmass will be sufficiently cold to induce at least a few incidences of such conditions – most of which will occur in the northwest half of the Corn Belt.

High temperatures may be limited to the 50s and 60s Fahrenheit in the heart of the Midwest during the peak of the cold during mid-to late week next week with some 40-degree highs in the Great Lakes region. Normal highs at this time of year should be in the 60s and 70s.

A more stable airmass will evolve as the cold high pressure system settles into the Midwest toward the end of this ten-day period of time. However, for parts of the Great Lakes region there will still be some unsettled showers occurring through the first weekend in October extending some of the field working delays until the week of October 5.

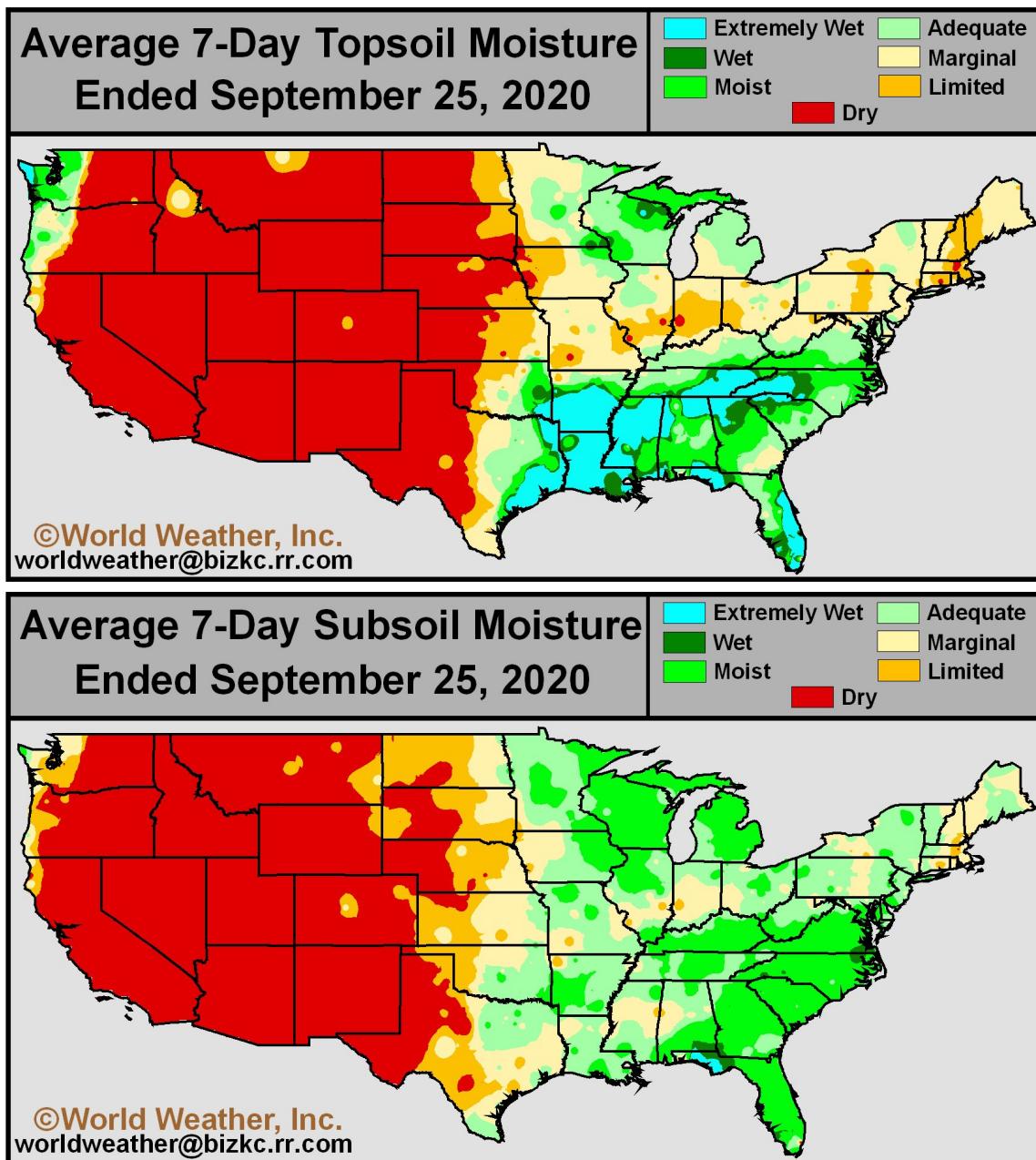
Excellent field working conditions are expected during the next ten days to two weeks across the Great Plains, including hard red winter wheat production areas and all of West Texas cotton country. The Delta will also experience ten days of drying, although rain is expected to return there briefly Monday as the initial surge of cold drops into that area. The southeastern states will experience drier biased conditions briefly Saturday and for an extended period of time beginning late Tuesday or Wednesday of next week and lasting into the week of October 5. Dryness will be a concern for some hard red wheat production areas.



The drier weather in the Delta and southeastern states will be most welcome following the recent tropical cyclones Beta and Sally that impacted these two regions

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respectively. Beta's rainfall this past week ranged from 2.00 to more than 6.00 inches across the central and lower Delta with a few counties and parts of counties getting more than 8.00 inches. Crop areas in southern Georgia, southern Alabama and parts of the eastern Carolinas did not receive nearly as much rain and had a chance to begin drying out after Sally abated from the region.



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