

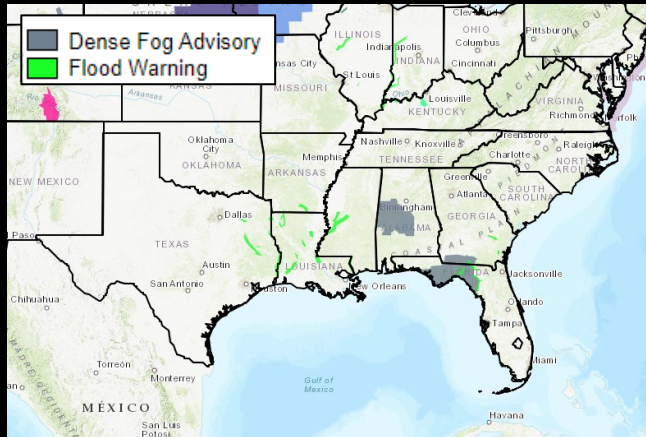


SACC Daily Outlook

Friday, April 19, 2024

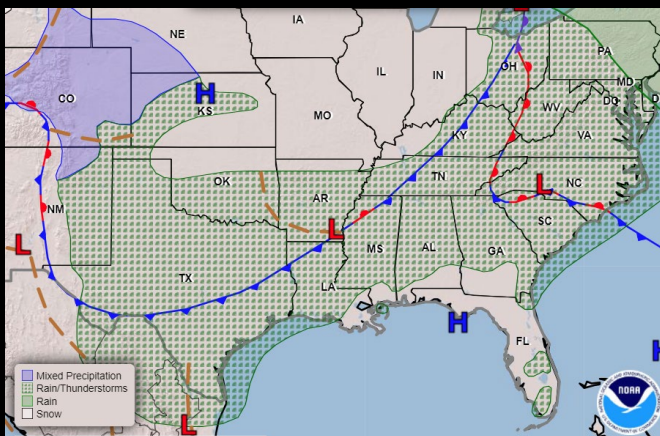


Watches, Warnings and Advisories



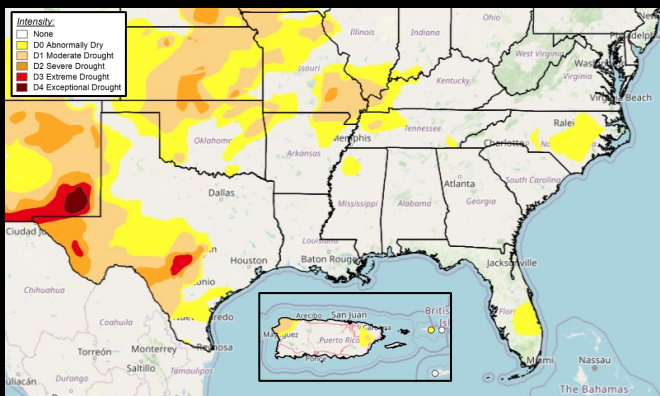
- No Red Flag Warnings
- No Fire Weather Watches
- **Dense Fog Advisories** across parts of northwest FL into south GA and AL
- **Flood Warnings** for rivers in TX, LA, AR, MS, AL, FL, GA and KY

Today's Weather Outlook



- Clusters of showers and thunderstorms will continue along a front draped from TX to the Appalachians today
- A few severe storms are possible, especially across the Appalachian states to the coastal Carolinas, where isolated flash flooding may also occur
- Flooding rainfall will become more likely late tonight into Saturday across TX as low pressure takes shape along the front
- The fire environment will continue to improve today for most of TX and OK as cooler and more humid weather sets in, but pre-frontal conditions from South TX along the Gulf Coast to FL and the Carolinas will be hot and unstable

Drought Monitor Update



- Abnormal dryness was introduced across the FL peninsula this week, generally in areas that have not observed wetting rain in ~25-45 days
- Drought was removed in NC, but abnormal dryness expanded into parts of the coastal plain and Sandhills
- Abnormal dryness and drought increased in interior South TX and West TX, with increases in moderate to severe drought common throughout northern OK
- Drought improved in a small part of central TX, southeast OK, eastern AR into north MS and western KY/KY
- Conditions improved slightly across PR

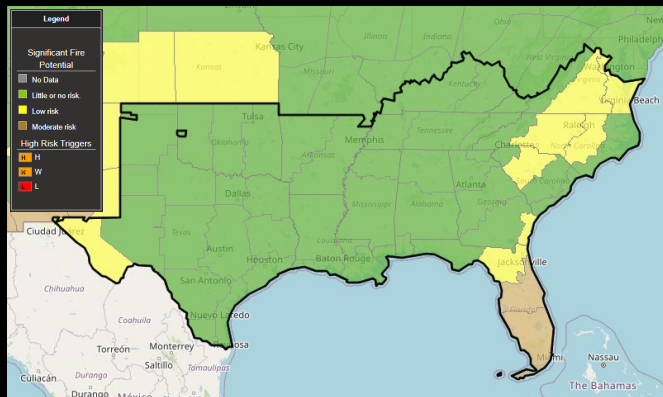


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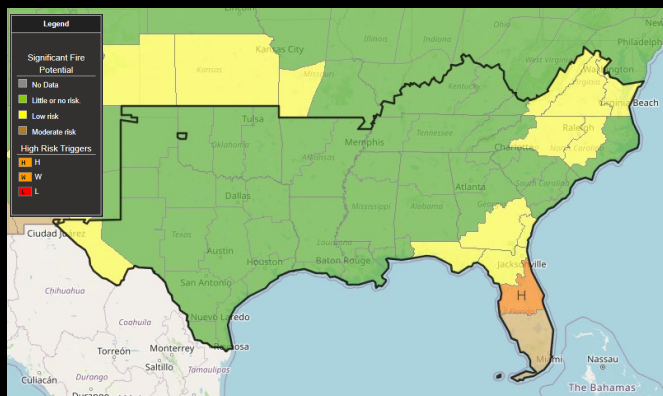


Significant Fire Potential Outlook Today



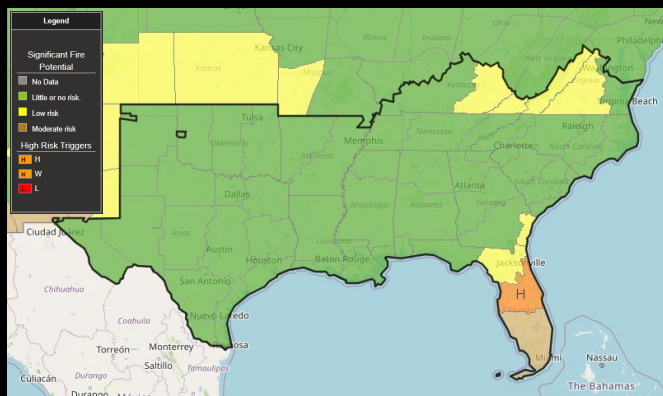
- West TX will see the most critical fire weather along the Rio Grande, where RH will be as low as 8-15% and highs will reach the 90s; a front will bring much cooler conditions to the mountains on east, and it could trigger isolated thunderstorms capable of producing lightning ignitions and erratic outflow winds
- Drier air will return to the TX panhandle and northern OK, but fuels have improved, and temperatures will be 5-10 degrees below normal
- Pre-frontal very warm and more humid conditions are in store for VA and the Carolinas, but relatively drier fuels are in place from weather the past few days; thunderstorms could trigger lightning ignitions; expect wind gusts up to 25 mph
- Abnormally dry fuels across the southern half of the FL peninsula will be exposed to above normal temperatures, RH as low as 30-35% inland and shifting winds with sea breezes; thunderstorm chances will remain below 10%

Significant Fire Potential Outlook Saturday



- **HIGH RISK:** hot, generally dry and unstable conditions will impact the FL peninsula, with RH as low as 30-40% inland prior to sea breezes bringing increasing wind gusts briefly in the afternoon; thunderstorm chances will remain below 20%; ERC-Y is forecast to remain at or above the 90th percentile
- North FL into south GA will see warm, dry and unstable conditions, with spotty thunderstorms possible late
- Look for post-frontal drying across the Appalachian states, with RH forecast to drop to as low as 20-30% in northern NC and much of VA; W/NW winds will gust as high as 20-30 mph, bringing quick drying; thunderstorm holdovers could emerge in some areas
- Thunderstorms will become more likely across the TX Mountains tomorrow; otherwise, another hot day is expected along the Rio Grande, with much colder weather expected elsewhere
- RH and clouds will increase a bit across northern OK and the north TX panhandle, but some IA is possible

Significant Fire Potential Outlook Sunday



- **HIGH RISK:** hot and unstable conditions will continue across the central FL peninsula Sunday, with a slight increase in moisture expected as a front drops into northern parts of the state; this will bring isolated to widely scattered thunderstorms capable of producing lightning ignitions and erratic winds; otherwise, an increase in pre-frontal winds will potentially bring the hot, dry windy index above the 90th percentile throughout the interior, with BI-Y near or above the 97th percentile
- Post-frontal dry air will linger from eastern KY into western and central VA; look for RH from 25-30%, with generally light winds
- Fuels will remain marginally dry across northern OK and parts of far West TX, but large fire concerns will be minimal

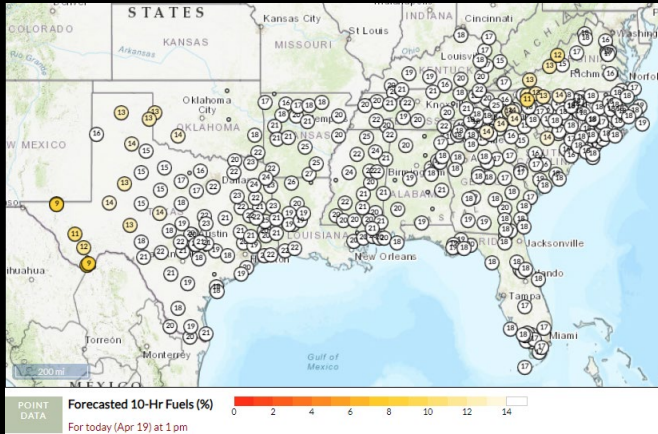


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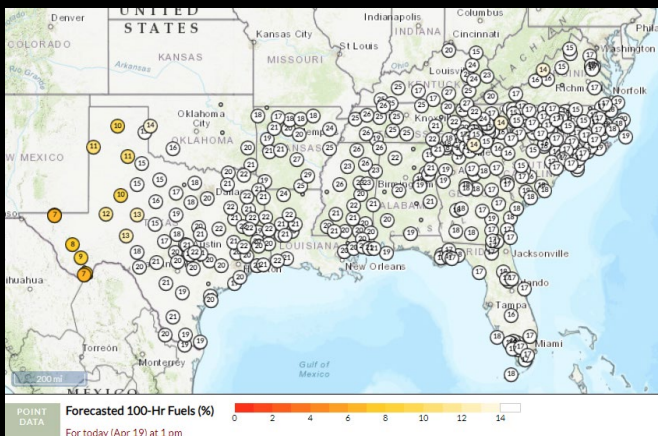


10-Hour Fuels



- 10-hour fuel moisture will see large fluctuations across the Appalachians, with increasing moisture today and a drying trend over the weekend, followed by some increase in parts of the region next week (staying drier north until late week)
- 10-hour fuel moisture will slowly decrease over most of the FL peninsula through the next week, except where some better rainfall and moisture recovery occurs; values there are critically low through the period
- Most of the Plains will see increasing 10FM, though it will take longer to reach far western TX; moisture will remain high over most of TX into southern OK and the Mississippi Valley through next week, but a renewed drying trend may occur in West TX late next week or the following weekend

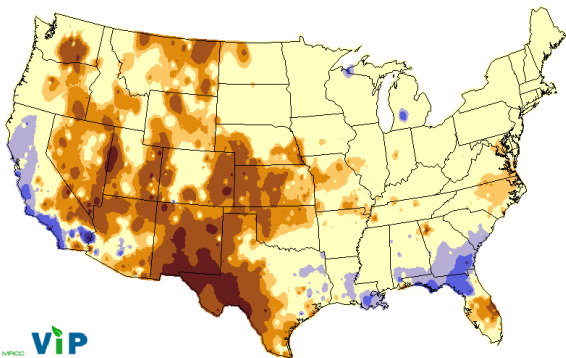
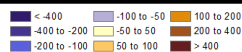
100-Hour Fuels



- 100-hour fuels will remain much drier than normal over most of the FL peninsula through the period, likely extending beyond next weekend in the southern half
- West TX will see drier than normal conditions trend wetter this weekend and early next week, while most of the rest of the Plains into the Miss. Valley will see consistently wetter than normal conditions; northern OK is one exception unless more rain occurs than is currently forecast
- The Appalachians and eastern states are forecast to see only scattered rainfall, with periods of drier than normal air leading to slightly below normal 100FM in most areas

Keetch-Byram Drought Index Anomalies

Keetch-Byram Drought Index,
Departure from Normal
Values calculated for 4/17/2024



- Below normal KBDIs continue along the central and eastern Gulf Coast into south GA and parts of SC
- Values have trended to near normal for this time of year in far South FL, while the central peninsula has seen an emergence of much above normal KBDIs in recent weeks – these will likely increase further as above normal temperatures and only spotty rainfall occur
- Above normal KBDIs in central TX and southern OK will likely see significant improvement over the next week and potentially beyond, due to a pattern change bringing frequent rainfall and periods of cooler weather
- Far West TX and portions of northern OK are less likely to see decreases in KBDIs and may sink further into drought in the coming weeks

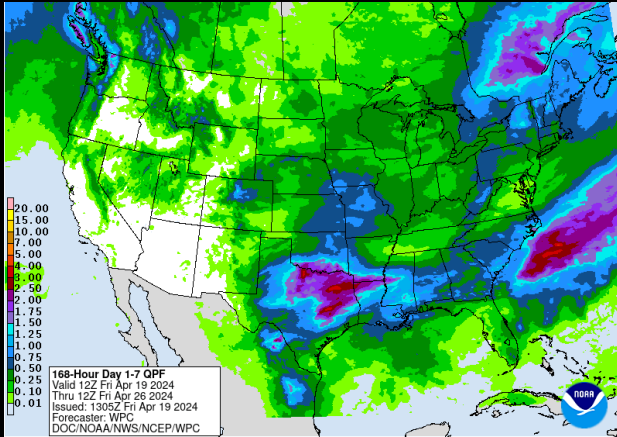


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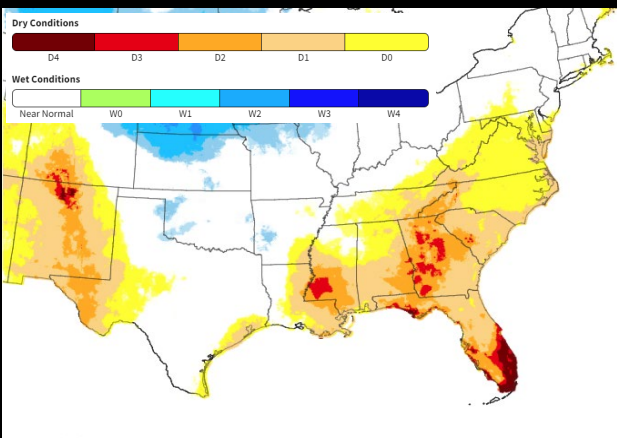


Forecast Rainfall the Next Week



- Forecast rainfall over the week ahead will be highest from TX into southern OK, northern LA, parts of MS and southern AR – totals in excess of 3-5" are likely for some of these areas, with more to come in week two
- Rainfall will trail off south and east of there, though some beneficial rain will impact the Carolinas and drier parts of GA
- Most of the Appalachians could see scattered wetting rainfall, with more variability likely than what is indicated by NOAA
- The FL peninsula will see a subtle increase in thunderstorm chances over the weekend, with higher chances likely Monday and later next week – increased lightning ignition potential is likely given recent increases in fuel dryness; wetting rainfall is not likely to impact the entire state

Forecast Evaporative Demand the Next Two Weeks



- Atmospheric thirst is forecast to be highest the next couple of weeks along the eastern Gulf Coast into parts of the southern Appalachians – this does not account for expected rainfall but implies significant drying where rain does not occur
- The TX mountains are also forecast to see increasing dryness, which is likely to begin later next week and continue into week two
- Wet conditions are forecast to continue over much of the rest of TX into the Mid-Mississippi Valley, with some improvement in drought possible over northern OK and the TX panhandle
- In terms of increased fire potential, green-up and recent wet weather should mitigate any risks from LA and MS into most of AL and GA, while the highest elevation of the Appalachians could remain in play until leaf out is complete; the FL peninsula will be more concerning should this forecast materialize – rainfall will be scattered at best, while lightning ignitions will continue to be possible