

Weekly Fire Danger Assessment NCFS - Region THREE

For Time Period:

Friday (4/7/23) to Thursday (4/13/23)

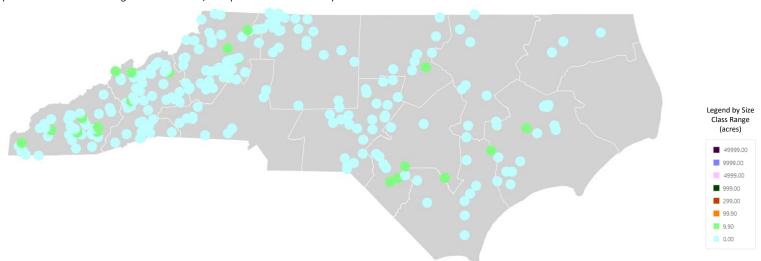
Past 7-Days Signal 14 Activity

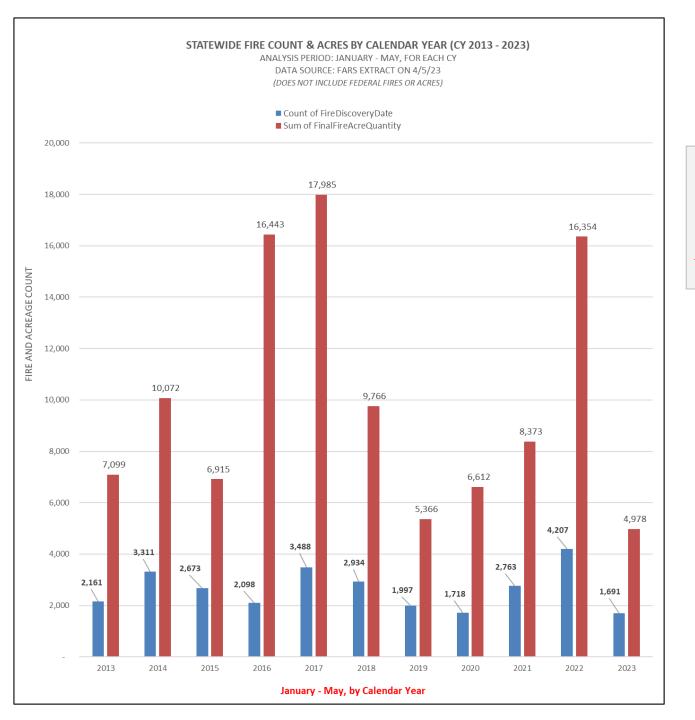
NCFS - Region 3								
	Previous 7-Day Fire Activity (Does Not Include Federal Ownerships)							
Data Source:	Signal 14 Regio	Signal 14 Regional Activity Summary Report (Signal 14 is a snapshot in time)						
Date Range:	3/30 - 4/5, 2023							
	Туре	Number	Acres					
Wildfires:		13	7	571.7				
Prescribed Fires (State & Private Lands):			4	271				

fiResponse Incident Location Map (for general context)

Date Range: 3/30 – 4/5, 2023

Report: Business Intelligence Module, Response Trends Map





Note: 2023 YTD data shown should <u>not</u> be considered the Authoritative/Final Reported Values for the time period. (CY 2023 data only includes finalized fires within reporting system up to time of extract.)

Current and Forecasted Fire Danger Conditions by FDRA



Regional Comments for this Week – R3

- 100-hr fuels have been generally contributing to fire behavior and starting to consume.
- 1000-hr fuels and duff seem to still be holding well.
- No changes in tactics so far.
- Green-up still about two weeks ahead in the lower elevations.

From Today's Southern Area Fire Environment Outlook Discussion

• After potentially heavy rain the next few days, most areas will experience rapid drying the next week as expansive high pressure brings abnormally low RH to much of the Eastern U.S.

Important notes for next slide group:

A. Current ERC, KBDI, 100-Hr & 1000-Hr Graphics:

These are extracts from FF+ using weekly observation data downloaded from WIMS.

B. Weekly Outlook - FDRA General Fire Danger Forecast Matrix:

- Available on the FWIP within the "Resources for NCFS" page.
- The operation link is: https://products.climate.ncsu.edu/fwip/outlook.php
- The matrix updates daily please review the tool notes below for more details.

Tool Summary:

The forecast matrix was created using standard NFDRS and weather forecast data:

- Weather conditions and NFDRS outputs are forecasted over the next 7 days by NWS for SIG stations in each FDRA.
- Weather variable ranges and breakpoints were defined by FDRA stakeholders and relate to Pocket Card notes.
- Maximum temperatures in the Critical range are color-coded with shades of red to help visually distinguish daily variations. The brightest red color corresponds to temperatures of 100°F or greater.

Fire danger forecast indices and component values are grouped into three categories based on historical percentiles, assessed using the FF+ All Days filter through 2021:

- Low to Moderate (0 to 74th percentile); shown in blue-green
- High (75th to 89th percentile); shown in yellow
- Very High to Extreme (90th+ percentile); shown in red and labeled as Critical

Dead fuel moisture forecast values are grouped into three categories based on historical percentiles, assessed using the FF+ All Days filter through 2021:

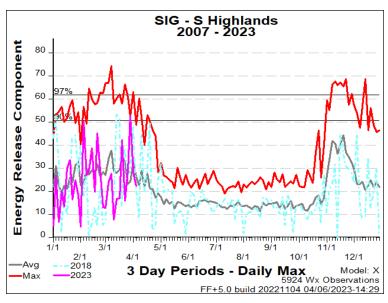
- Low to Moderate (26th to 100th percentile); shown in blue-green
- High (11th to 25th percentile); shown in yellow
- Very High to Extreme (0 to 10th percentile); shown in red and labeled as Critical

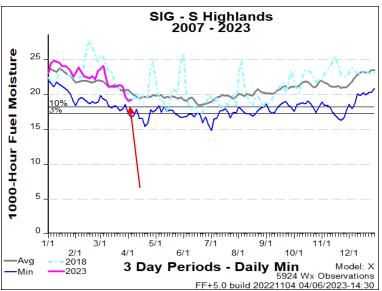
Other Notes:

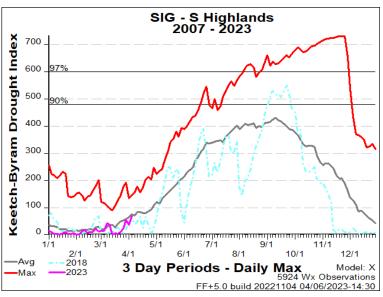
- Read the key and notes for each FDRA, included on the outlook matrix page.
- Forecasts are variable and can change significantly over a forecast cycle and across the landscape.
- This is another tool for gaining better situational awareness, and should be used for general planning purposes only.
- The outlook matrix is refreshed when an FDRA is selected, using the most recent forecast data available at that time. The 7th day may
 drop off or display partial data prior to the afternoon/evening forecast update.
- Daily updates to NFDRS forecasts occur around 1530 daily, while general weather forecasts are updated around 1730 daily.

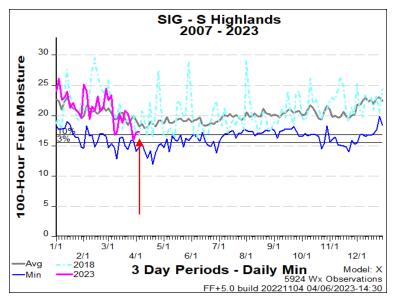
Region Specific – Southern Highlands











Weekly Outlook

Southern Highlands FDRA - General Fire Danger Forecast

For planning purposes only; forecast is subject to change

Four or more RED blocks in a day signals the potential for a Critical Fire Day

DAY	FRI 07-Apr	SAT 08-Apr	SUN 09-Apr	MON 10-Apr	TUE 11-Apr	WED 12-Apr	THU 13-Apr
Avg. Max. Temp. (°F)	60	47	59	61	65	69	72
Avg. Min. Humidity (%)	76	76	35	33	32	31	33
Avg. 20' Wind Speed (mph)	5	9	7	7	6	7	7
Avg. Wind Direction*	SE	E	E	ESE	Ε	E	ESE
Avg. Probability of Precip. (%)	95	91	10	9	10	12	14
Days Since a Wetting Rain**	0.0	0.0	1.0				
Forecast ERC (Fuel Model X)	22.1	1.9	23.8	33.2	33.4	33.9	36.9
Forecast BI (Fuel Model X)	69.4	9.0	77.1	87.1	86.7	90.7	96.3
Forecast IC (Fuel Model X)	3.6	0.2	5.6	7.4	8.2	9.4	11.3
Forecast 100-Hr. FMC	21.1	24.1	25.2	24.4	22.0	20.1	18.6
Forecast 1000-Hr. FMC	22.4	22.7	22.7	22.6	22.6	22.5	22.5
KBDI	97.3						

Data Source:

- Weather forecasts come from the National Weather Service's <u>Digital Forecast Database</u>. The wind speed and
 direction, and probability of precipitation, are calculated as averages of the 1 am, 7 am, 1 pm, and 7 pm
 forecasts. The 20-foot wind speed is estimated from the 10-meter forecast using the log wind profile method.
- Days since a wetting rain is calculated using a combination of historical data (to determine the most recent
 wetting rain event) and forecasted precipitation amounts. These forecasted amounts are only available for the
 first three days of the forecast period.
- Fire danger forecasts for the next 7 days are issued by National Weather Service through WIMS. KBDI is only available on the first forecast day since the <u>NFDRS Forecast</u> product does not include precipitation amounts, which are used to adjust KBDI from day to day

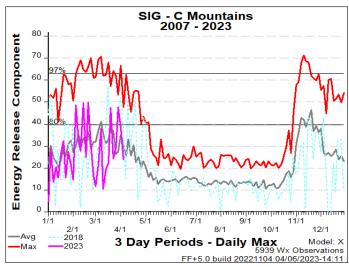
Values in the table above are averages from 3 stations in this FDRA:

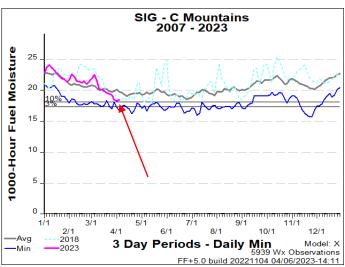
- Tusquitee (315602)
- Locust Gap (315802)
- Highlands (315803)

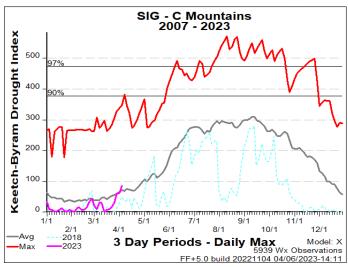
KEY	Low to Moderate Burning Conditions	Burning Conditions Can be High CAUTION	Burning Conditions Can be Critical WATCH OUT!			
Avg. Max. Temp.	Less than 50°F	Between 50°F and 55°F	Greater than 55°F			
Avg. Min. Humidity	Greater than 35%	Between 30% and 35%	Less than 30%			
Avg. 20' Wind Speed	Less than 5 mph	Between 5 mph and 7 mph	Greater than 7 mph			
Avg. Wind Direction* Criticality of wind direction is highly dependent on burn operations and/or structures threatened.						
Days Since a Wetting Rain**	A wetting rain is defin	ed as 0.10" or greater. This is an avera	age of the FDRA stations noted above.			
Energy Release Comp.	Less than 40	Between 40 and 52	Greater than 52			
Burning Index	Less than 95	Between 95 and 118	Greater than 118			
Ignition Component	Less than 9	Between 9 and 14	Greater than 14			
100-Hour Fuel Moisture	Greater than 18%	Between 17% and 18%	Less than 17%			
1000-Hour Fuel Moisture	Greater than 19%	Between 18% and 19%	Less than 18%			
KBDI	Less than 345	Between 345 and 479	Greater than 479			
Other factors to consider when determining fire danger: sky conditions, precipitation amount, number of days since rain,						

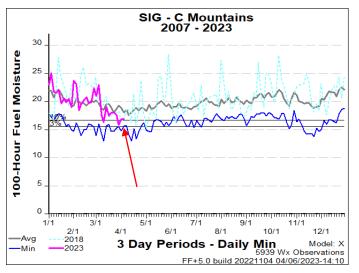
Region Specific – Central Mountains











Weekly Outlook

Central Mountains FDRA - General Fire Danger Forecast

For planning purposes only; forecast is subject to change

Four or more **RED** blocks in a day signals the potential for a **Critical Fire Day**

DAY	FRI 07-Apr	SAT 08-Apr	SUN 09-Apr	MON 10-Apr	TUE 11-Apr	WED 12-Apr	THU 13-Apr
Avg. Max. Temp. (°F)	55	44	57	60	66	70	75
Avg. Min. Humidity (%)	78	74	32	32	29	30	32
Avg. 20' Wind Speed (mph)	7	8	8	7	6	7	7
Avg. Wind Direction*	S	Е	Е	ESE	S	S	SSE
Avg. Probability of Precip. (%)	91	86	11	6	9	11	9
Days Since a Wetting Rain**	0.0	0.0	1.0				
Forecast ERC (Fuel Model X)	11.5	0.0	18.5	24.8	25.8	27.4	29.2
Forecast BI (Fuel Model X)	33.9	0.0	49.1	57.5	57.7	63.1	65.2
Forecast IC (Fuel Model X)	1.8	0.0	4.1	5.1	5.7	7.2	8.3
Forecast 100-Hr. FMC	22.2	24.8	26.2	25.4	22.8	20.6	18.7
Forecast 1000-Hr. FMC	21.7	21.7	21.7	21.7	21.8	21.8	21.9
KBDI	122.7						

Data Source:

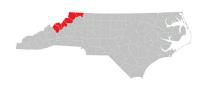
- Weather forecasts come from the National Weather Service's <u>Digital Forecast Database</u>. The wind speed and direction, and probability of precipitation, are calculated as averages of the 1 am, 7 am, 1 pm, and 7 pm forecasts. The 20-foot wind speed is estimated from the 10-meter forecast using the log wind profile method.
- Days since a wetting rain is calculated using a combination of historical data (to determine the most recent
 wetting rain event) and forecasted precipitation amounts. These forecasted amounts are only available for the
 first three days of the forecast period.
- Fire danger forecasts for the next 7 days are issued by National Weather Service through WIMS. KBDI is only
 available on the first forecast day since the NFDRS Forecast product does not include precipitation amounts,
 which are used to adjust KBDI from day to day

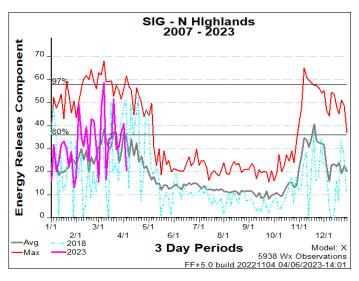
Values in the table above are averages from 3 stations in this FDRA:

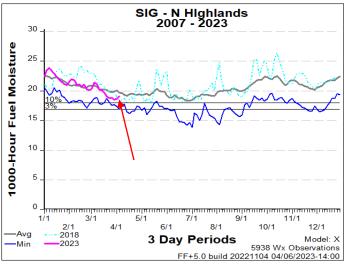
- 7 Mile Ridge (313302)
- Davidson River (316001)
- Mtn Horticultural Crops Res Stn (316141)

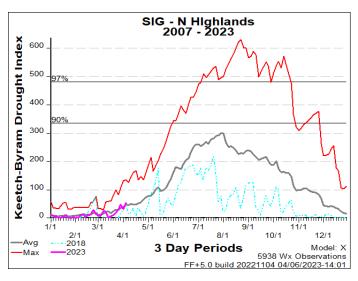
KEY	Low to Moderate Burning Conditions	Burning Conditions Can be High CAUTION	Burning Conditions Can be Critical WATCH OUT!				
Avg. Max. Temp.	Less than 50°F	Between 50°F and 60°F	Greater than 60°F				
Avg. Min. Humidity	Greater than 35%	Between 30% and 35%	Less than 30%				
Avg. 20' Wind Speed	Less than 5 mph	Between 5 mph and 10 mph	Greater than 10 mph				
Avg. Wind Direction*	Avg. Wind Direction* Criticality of wind direction is highly dependent on burn operations and/or structures threatened.						
Days Since a Wetting Rain**	A wetting rain is defined as 0.10" or greater. This is an average of the FDRA stations noted above.						
Energy Release Comp.	Less than 33	Between 33 and 50	Greater than 50				
Burning Index	Less than 78	Between 78 and 106	Greater than 106				
Ignition Component	Less than 6	Between 6 and 11	Greater than 11				
100-Hour Fuel Moisture	Greater than 19%	Between 17% and 19%	Less than 17%				
1000-Hour Fuel Moisture	Greater than 20%	Between 19% and 20%	Less than 19%				
KBDI	Less than 319	Between 319 and 417	Greater than 417				
Other factors to consider wh	en determining fire dan	ger: sky conditions, precipitation an	nount, number of days since rain,				

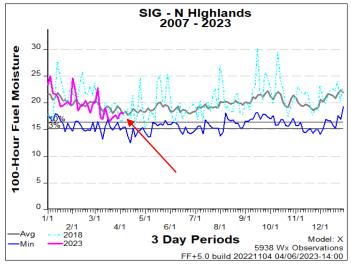
Region Specific – Northern Highlands











Weekly Outlook

Northern Highlands FDRA - General Fire Danger Forecast

For planning purposes only; forecast is subject to change

Four or more **RED** blocks in a day signals the potential for a **Critical Fire Day**

DAY	FRI 07-Apr	SAT 08-Apr	SUN 09-Apr	MON 10-Apr	TUE 11-Apr	WED 12-Apr	THU 13-Apr
Avg. Max. Temp. (°F)	49	39	51	55	61	68	70
Avg. Min. Humidity (%)	81	77	40	41	37	33	32
Avg. 20' Wind Speed (mph)	8	11	9	8	7	8	9
Avg. Wind Direction*	Е	ENE	ENE	Е	SSE	SW	SSE
Avg. Probability of Precip. (%)	92	75	11	9	10	8	10
Days Since a Wetting Rain**	0.0	0.0	1.0				
Forecast ERC (Fuel Model X)	9.0	3.9	27.0	36.0	38.8	39.8	39.6
Forecast BI (Fuel Model X)	30.3	14.9	88.9	94.9	97.6	102.3	99.0
Forecast IC (Fuel Model X)	1.0	0.4	6.7	7.6	9.1	11.2	11.9
Forecast 100-Hr. FMC	22.0	24.0	25.1	24.5	22.4	20.3	18.5
Forecast 1000-Hr. FMC	21.2	21.3	21.3	21.3	21.3	21.4	21.4
KBDI	70.5						

Data Source:

- Weather forecasts come from the National Weather Service's <u>Digital Forecast Database</u>. The wind speed and direction, and probability of precipitation, are calculated as averages of the 1 am, 7 am, 1 pm, and 7 pm forecasts. The 20-foot wind speed is estimated from the 10-meter forecast using the log wind profile method.
- Days since a wetting rain is calculated using a combination of historical data (to determine the most recent
 wetting rain event) and forecasted precipitation amounts. These forecasted amounts are only available for the
 first three days of the forecast period.
- Fire danger forecasts for the next 7 days are issued by National Weather Service through WIMS. KBDI is only
 available on the first forecast day since the NFDRS Forecast product does not include precipitation amounts,
 which are used to adjust KBDI from day to day

Values in the table above are averages from 3 stations in this FDRA:

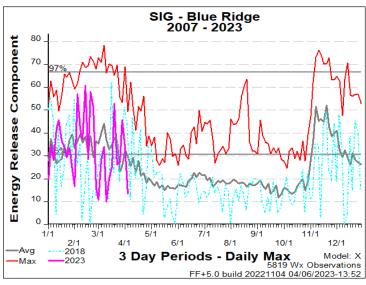
- Laurel Springs (310101)
- Upper Mountain Research Stn (310141)
- Busick (313402)

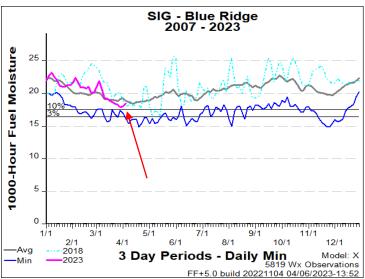
KEY	Low to Moderate Burning Conditions	Burning Conditions Can be High CAUTION	Burning Conditions Can be Critical WATCH OUT!				
Avg. Max. Temp.	Less than 50°F	Between 50°F and 58°F	Greater than 58°F				
Avg. Min. Humidity	Greater than 35%	Between 30% and 35%	Less than 30%				
Avg. 20' Wind Speed	Less than 2 mph	Between 2 mph and 5 mph	Greater than 5 mph				
Avg. Wind Direction*	Criticality of wind direction is highly dependent on burn operations and/or structures threatened.						
Days Since a Wetting Rain**	A wetting rain is defin	ned as 0.10" or greater. This is an avera	age of the FDRA stations noted above.				
Energy Release Comp.	Less than 26	Between 26 and 46	Greater than 46				
Burning Index	Less than 67	Between 67 and 108	Greater than 108				
Ignition Component	Less than 5	Between 5 and 9	Greater than 9				
100-Hour Fuel Moisture	Greater than 18%	Between 17% and 18%	Less than 17%				
1000-Hour Fuel Moisture	Greater than 20%	Between 19% and 20%	Less than 19%				
KBDI	Less than 192	Between 192 and 330	Greater than 330				

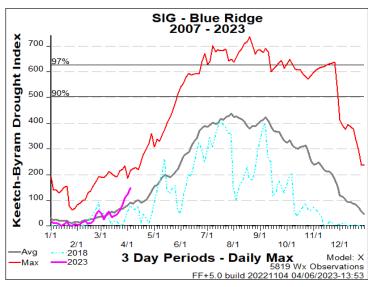
Other factors to consider when determining fire danger: sky conditions, precipitation amount, number of days since rain, and season

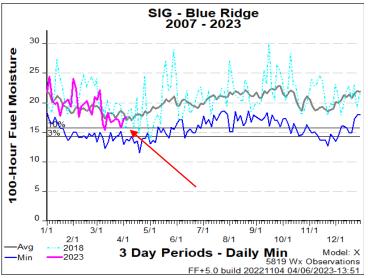
Region Specific – Blue Ridge Escarpment











Weekly Outlook

Blue Ridge Escarpment FDRA - General Fire Danger Forecast

For planning purposes only; forecast is subject to change

Four or more **RED** blocks in a day signals the potential for a **Critical Fire Day**

DAY	FRI 07-Apr	SAT 08-Apr	SUN 09-Apr	MON 10-Apr	TUE 11-Apr	WED 12-Apr	THU 13-Apr
Avg. Max. Temp. (°F)	55	43	56	59	66	71	75
Avg. Min. Humidity (%)	80	71	33	35	31	31	34
Avg. 20' Wind Speed (mph)	8	11	10	7	6	6	7
Avg. Wind Direction*	ENE	NE	NE	NE	SSW	SW	SSW
Avg. Probability of Precip. (%)	93	82	12	6	8	11	11
Days Since a Wetting Rain**	0.0	0.0	1.0				
Forecast ERC (Fuel Model X)	14.8	1.2	30.3	33.7	34.3	37.0	36.4
Forecast BI (Fuel Model X)	52.2	5.7	86.8	78.4	70.5	76.1	82.3
Forecast IC (Fuel Model X)	1.8	0.1	7.9	7.6	7.8	9.7	11.0
Forecast 100-Hr. FMC	24.3	27.2	27.2	23.2	19.9	17.5	16.1
Forecast 1000-Hr. FMC	19.5	20.9	21.6	21.9	22.2	21.5	20.4
KBDI	172.3						

Data Source:

and season

- Weather forecasts come from the National Weather Service's <u>Digital Forecast Database</u>. The wind speed and direction, and probability of precipitation, are calculated as averages of the 1 am, 7 am, 1 pm, and 7 pm forecasts. The 20-foot wind speed is estimated from the 10-meter forecast using the log wind profile method.
- Days since a wetting rain is calculated using a combination of historical data (to determine the most recent
 wetting rain event) and forecasted precipitation amounts. These forecasted amounts are only available for the
 first three days of the forecast period.
- Fire danger forecasts for the next 7 days are issued by National Weather Service through WIMS. KBDI is only available on the first forecast day since the NFDRS Forecast product does not include precipitation amounts, which are used to adjust KBDI from day to day

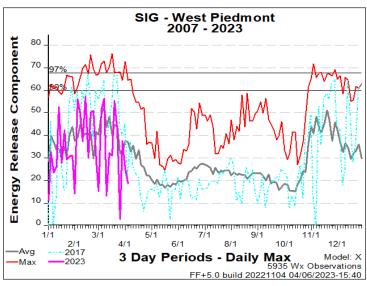
Values in the table above are averages from 3 stations in this FDRA:

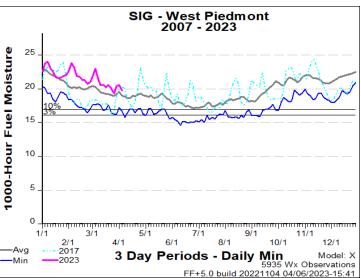
- Rendezvous Mtn. (312001)
- North Cove Pinnacle (fr1) (314301)
- Rutherford County (316302)

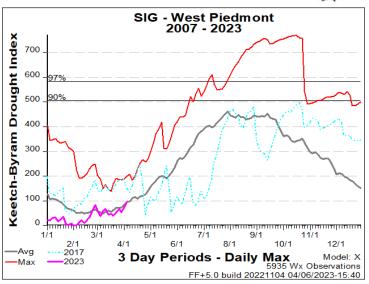
KEY	Low to Moderate Burning Conditions	Burning Conditions Can be High CAUTION	Burning Conditions Can be Critical WATCH OUT!					
Avg. Max. Temp.	Less than 40°F	Between 40°F and 50°F	Greater than 50°F					
Avg. Min. Humidity	Greater than 35%	Between 30% and 35%	Less than 30%					
Avg. 20' Wind Speed	Less than 2 mph	Between 2 mph and 4 mph	Greater than 4 mph					
Avg. Wind Direction*	Avg. Wind Direction* Criticality of wind direction is highly dependent on burn operations and/or structures threatened.							
Days Since a Wetting Rain**	A wetting rain is defin	ed as 0.10" or greater. This is an avera	ge of the FDRA stations noted above.					
Energy Release Comp.	Less than 52	Between 52 and 62	Greater than 62					
Burning Index	Less than 116	Between 116 and 136	Greater than 136					
Ignition Component	Less than 14	Between 14 and 20	Greater than 20					
100-Hour Fuel Moisture	Greater than 18%	Between 16% and 18%	Less than 16%					
1000-Hour Fuel Moisture	Greater than 19%	Between 18% and 19%	Less than 18%					
KBDI	Less than 351	Between 351 and 508	Greater than 508					

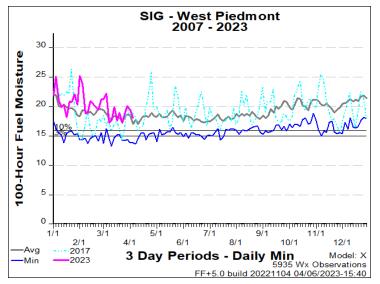
Region Specific – Western Piedmont











Weekly Outlook

Western Piedmont FDRA - General Fire Danger Forecast

For planning purposes only; forecast is subject to change

Four or more RED blocks in a day signals the potential for a Critical Fire Day

DAY	FRI 07-Apr	SAT 08-Apr	SUN 09-Apr	MON 10-Apr	TUE 11-Apr	WED 12-Apr	THU 13-Apr
Avg. Max. Temp. (°F)	56	46	58	62	69	75	78
Avg. Min. Humidity (%)	85	83	42	38	34	35	38
Avg. 20' Wind Speed (mph)	11	10	13	9	6	6	7
Avg. Wind Direction*	NE	NE	NE	NE	Е	WSW	SW
Avg. Probability of Precip. (%)	95	90	19	5	8	12	12
Days Since a Wetting Rain**	0.0	0.0	1.0				
Forecast ERC (Fuel Model X)	14.4	0.0	17.1	25.6	23.0	27.0	28.6
Forecast BI (Fuel Model X)	56.8	0.0	65.5	72.3	51.2	62.3	68.7
Forecast IC (Fuel Model X)	3.1	0.0	5.2	6.0	4.6	6.9	8.3
Forecast 100-Hr. FMC	21.7	24.0	26.4	26.0	23.3	21.0	19.6
Forecast 1000-Hr. FMC	22.3	22.5	22.4	22.4	22.4	22.5	22.6
KBDI	117.7						

Data Source:

and season

- Weather forecasts come from the National Weather Service's <u>Digital Forecast Database</u>. The wind speed and direction, and probability of precipitation, are calculated as averages of the 1 am, 7 am, 1 pm, and 7 pm forecasts. The 20-foot wind speed is estimated from the 10-meter forecast using the log wind profile method.
- Days since a wetting rain is calculated using a combination of historical data (to determine the most recent
 wetting rain event) and forecasted precipitation amounts. These forecasted amounts are only available for the
 first three days of the forecast period.
- Fire danger forecasts for the next 7 days are issued by National Weather Service through WIMS. KBDI is only
 available on the first forecast day since the NFDRS Forecast product does not include precipitation amounts,
 which are used to adjust KBDI from day to day

Values in the table above are averages from 3 stations in this FDRA:

- Duke Forest (312501)
- Lexington (314602)
- Mt. Island Lake (316602)

KEY	Low to Moderate Burning Conditions	Burning Conditions Can be High CAUTION	Burning Conditions Can be Critical WATCH OUT!				
Avg. Max. Temp.	Less than 40°F	Between 40°F and 50°F	Greater than 50°F				
Avg. Min. Humidity	Greater than 35%	Between 30% and 35%	Less than 30%				
Avg. 20' Wind Speed	Less than 2 mph	Between 2 mph and 4 mph	Greater than 4 mph				
Avg. Wind Direction*	Criticality of wind direction is highly dependent on burn operations and/or structures threatened.						
Days Since a Wetting Rain**	A wetting rain is defin	ed as 0.10" or greater. This is an avera	age of the FDRA stations noted above.				
Energy Release Comp.	Less than 40	Between 40 and 52	Greater than 52				
Burning Index	Less than 95	Between 95 and 120	Greater than 120				
Ignition Component	Less than 9	Between 9 and 14	Greater than 14				
100-Hour Fuel Moisture	Greater than 18%	Between 17% and 18%	Less than 17%				
1000-Hour Fuel Moisture	Greater than 19%	Between 18% and 19%	Less than 18%				
KBDI	Less than 344	Between 344 and 479	Greater than 479				

Other factors to consider when determining fire danger: sky conditions, precipitation amount, number of days since rain,

Outlook Summary Table – R3

Summary Table by FDRA using count of colored blocks in a day's forecast.

Forecast Subject to Change

Key: 4+ Red Blocks on a Day = "Critical" Day Potential; Red Color

4+ Yellow or Combo of Yellow/Red = "High" Day Potential; Yellow Color

6+ Blue-Green Blocks = "Low to Mod" Potential Day; Blue-green Color

Date	Day of Week	FDRA Matrix Summary - NCFS Region 3							
Date Day of Week	Southern Highlands	Central Mountains	Northern Highlands	Blue Ridge Escarp	Western Piedmont				
7-Apr	Fri	Low/Mod	Low/Mod	Low/Mod	Low/Mod	Low/Mod			
8-Apr	Sat	Low/Mod	Low/Mod	Low/Mod	Low/Mod	Low/Mod			
9-Apr	Sun	Low/Mod	Low/Mod	High	Low/Mod	Low/Mod			
10-Apr	Mon	Low/Mod	Low/Mod	High	Low/Mod	Low/Mod			
11-Apr	Tues	Low/Mod	Low/Mod	High	Low/Mod	Low/Mod			
12-Apr	Wed	High	High	High	High	Low/Mod			
13-Apr	Thurs	High	High	High	High	Low/Mod			

Weather Outlook Discussion

Greenville-Spartanburg NWS (PM Fire WX Forecast Discussion):

National Weather Service Greenville-Spartanburg SC 250 PM EDT Thu Apr 6 2023

.DISCUSSION...

Showers and thunderstorms will be possible this afternoon and evening ahead of a cold front pushing into the area. The front will become stationary from the Gulf to the eastern Carolinas Friday, with waves of low-pressure riding along the front. This will result in wet and chilly weather Friday and Saturday. Drier and somewhat warmer conditions will return Sunday as the front settles further south and dry high pressure builds in from the north.

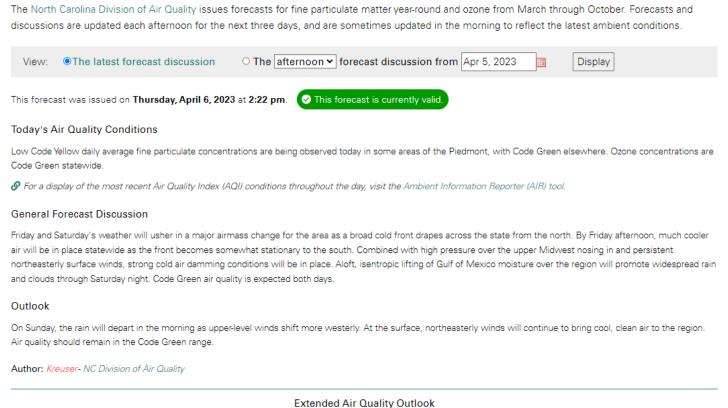
Blacksburg NWS (PM Fire WX Forecast Discussion):

National Weather Service Blacksburg VA 234 PM EDT Thu Apr 6 2023

.DISCUSSION...

A cold front will cross the region today with an opportunity for showers and thunderstorms. The front is expected to stall across the southeastern U.S. Friday, and provide an extended period of cloud cover and potential for additional rainfall to the area Friday and Saturday. Temperatures will also trend much cooler after today.

NC DAQ Air Quality Forecast - Next Three Days

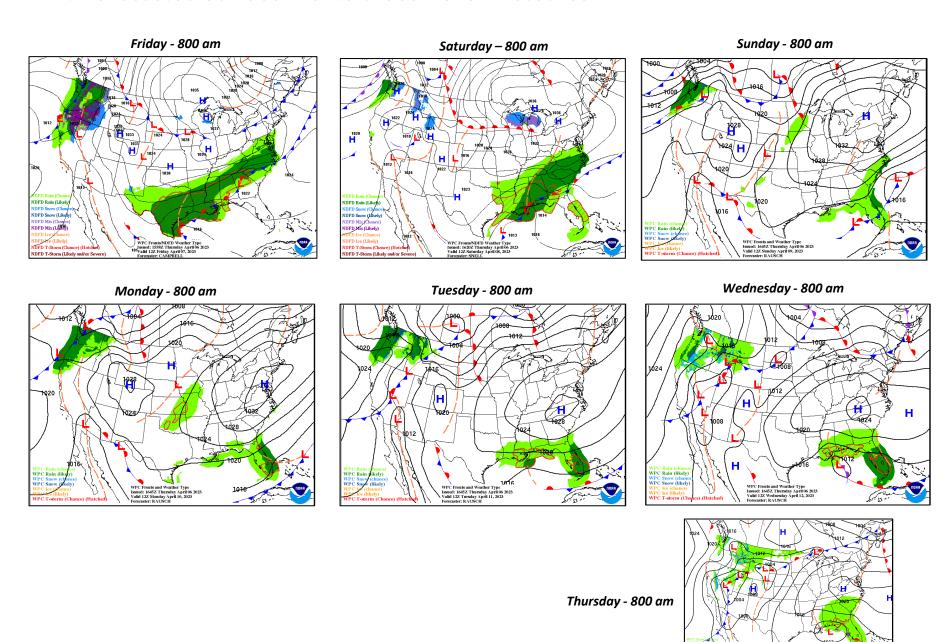


Extended Air Quality Outlook

The forecast Air Quality Index value for each pollutant represents the highest value expected within each county, so some areas and monitors may see lower values. We use the best information and techniques available to ensure the quality and accuracy of the forecasts we provide to the public. Note that ranges do not include the nine-county Triad region, which is covered by the Forsyth County Office of Environmental Assistance and Protection.

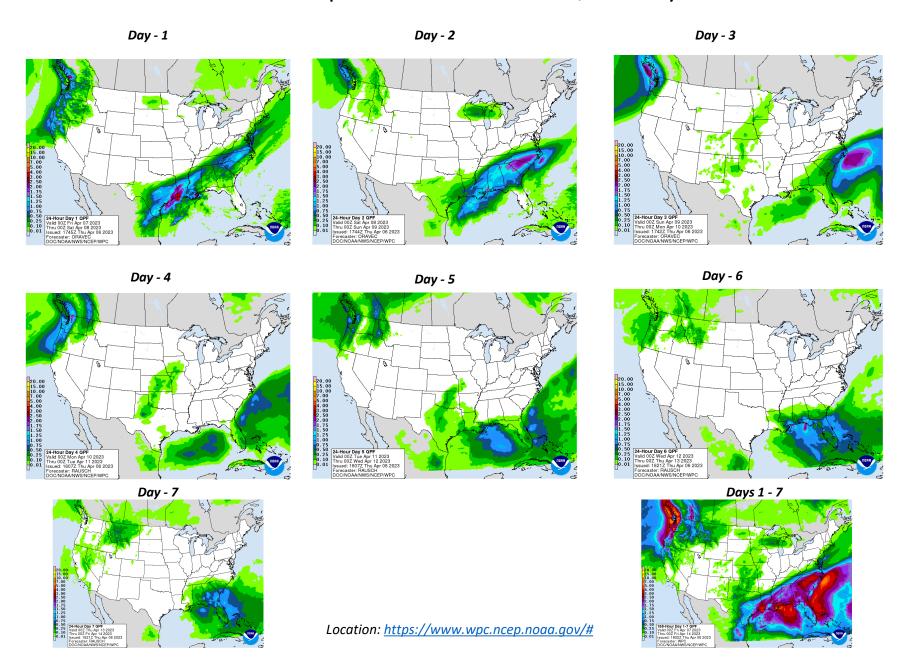
Forecast Day	AQI Range	Category Range
Thursday (Apr 6)	45 to 51	Green to Yellow
Friday (Apr 7)	30	Green
Saturday (Apr 8)	25	Green
Sunday (Apr 9)	35	Green

WPC Forecasted Surface Fronts & Sea-Level Pressures



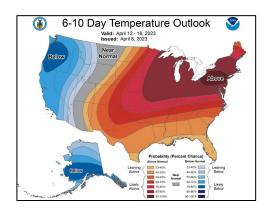
Location: https://www.wpc.ncep.noaa.gov/#

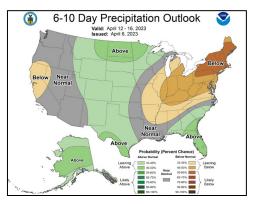
Quantitative Precipitation Forecast, 7-Day

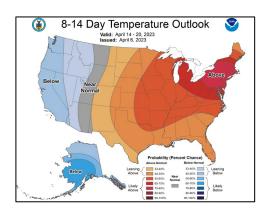


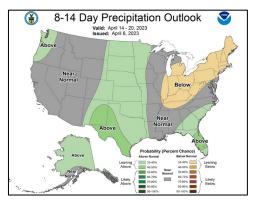
Temp & Precip Outlook

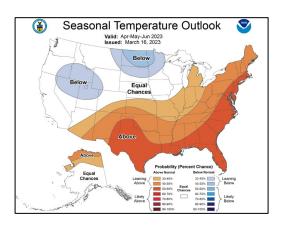
6-10 Day, 8-14 Day & Seasonal (Apr/May/June)

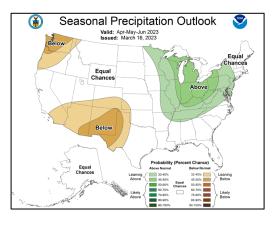








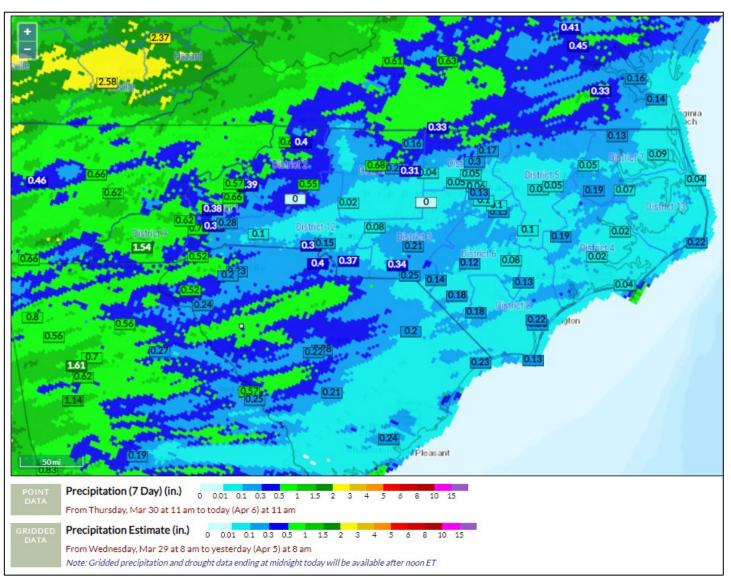




Source: https://www.cpc.ncep.noaa.gov/

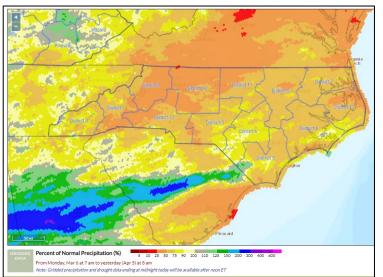
7 Day Precipitation Totals

FWIP (Point accumulation ending at 1100 on 4/6, Grid ending 0800 4/5)

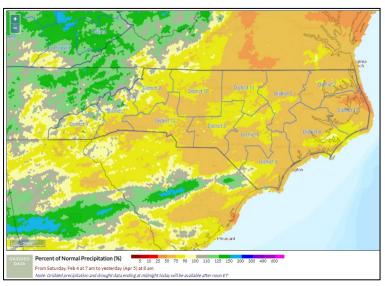


Percent of Normal Precip, FWIP (Ending 0800 4/5)

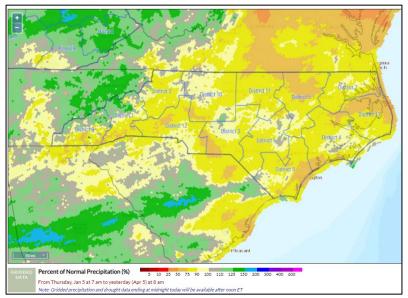
30-Day % of Normal



60-Day % of Normal

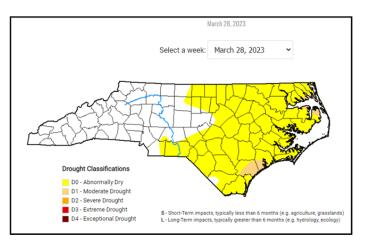


90-Day % of Normal

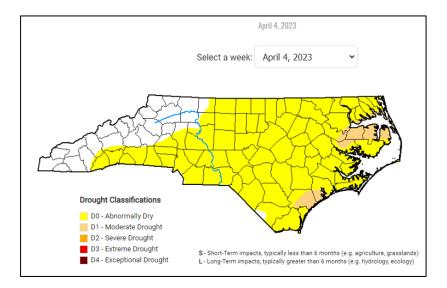


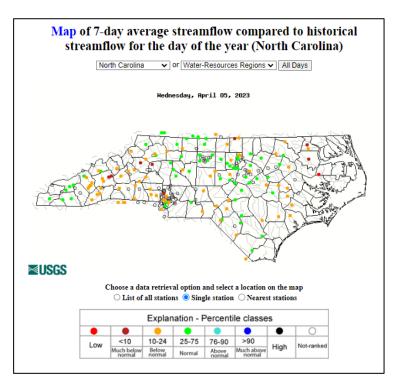
Drought Situation

Previous Week:



Current Week:

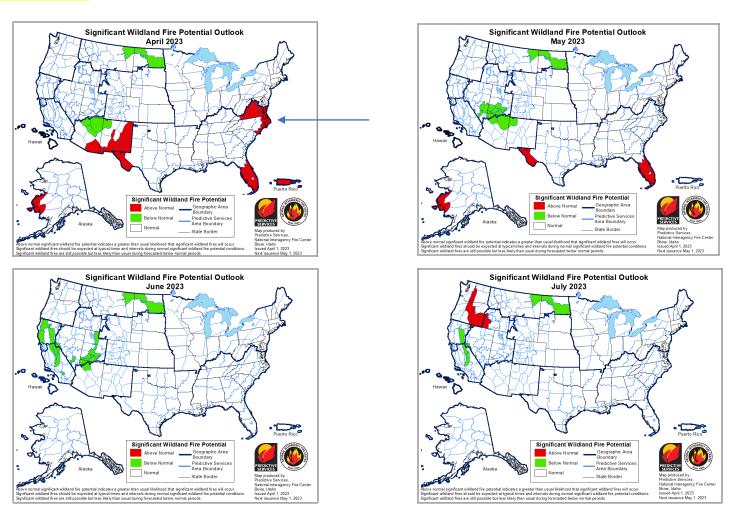




- D-0 Abnormally Dry Conditions Expansion (~75% of State)
- D-1 Moderate Drought in Several Counties. (~5% of State)
- 7-Day Stream flow averages continue to decline, note decline in both East and West.
- Example: 7-Day average for the Van Swamp gage in Washington County at < 3rd Percentile of flow yesterday (see above)

Significant Wildland Fire Potential Outlook:

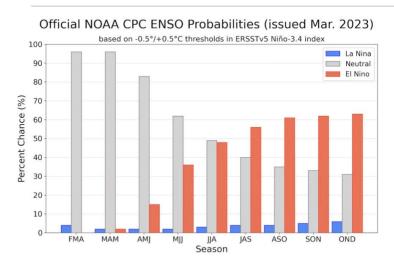
Updated 4/1/23 – Next Update on 5/1/23



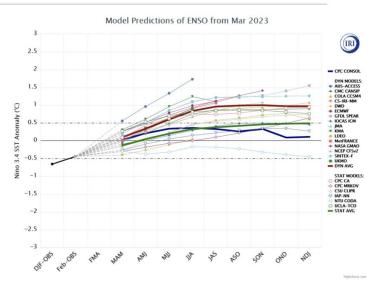
A significant fire is one that requires resources from outside the district (other than aviation). IA potential is based more on shorter term weather factors. Just a few days of dry weather can increase IA activity considerably as we have already seen this year.

ENSO Note

ENSO (El Niño-Southern Oscillation)



La Niña has ended, and ENSO-neutral conditions are expected to continue through the Northern Hemisphere spring and early summer 2023. There is a chance of El Niño forming during the summer, with at least a 60% chance by the August-October period.

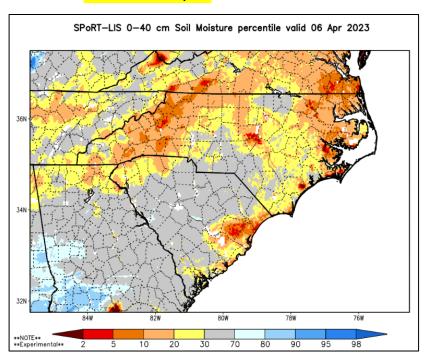


https://iri.columbia.edu/our-expertise/climate/forecasts/enso/current/?enso_tab=enso-sst_table

https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/enso_advisory/ensodisc.shtml

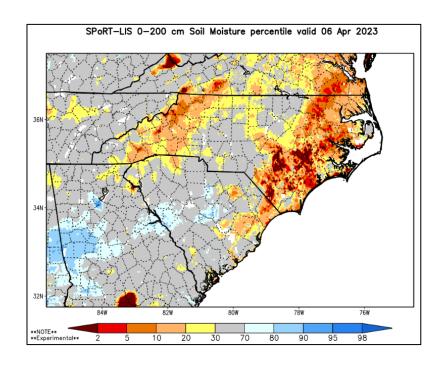
SPoRT Relative Soil Dryness

0-40 cm Depth



• Overall Modeled Drying Trend Continues

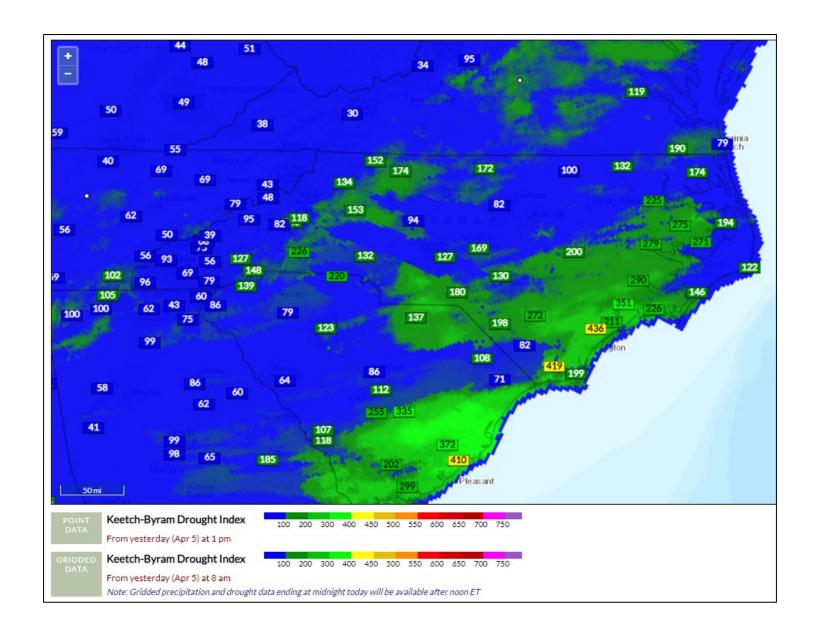
0-200 cm Depth



Source: https://weather.msfc.nasa.gov/sport/case_studies/lis_NC.html

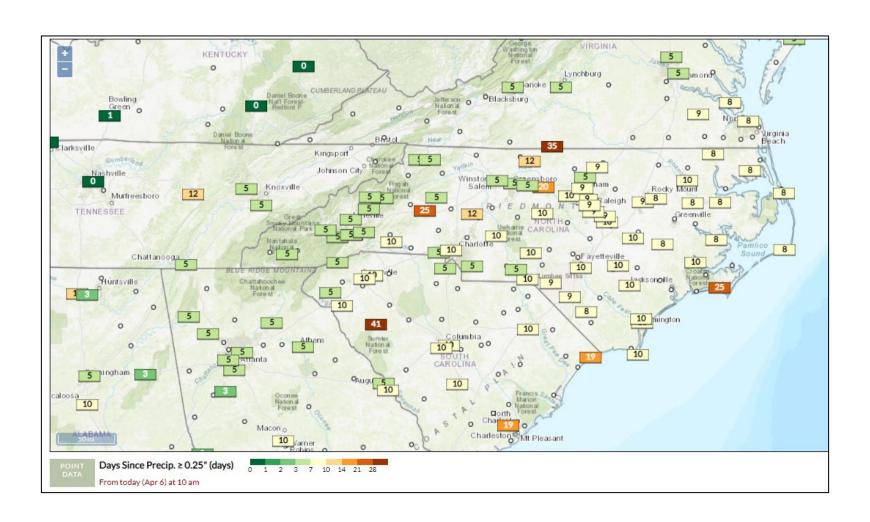
KBDI - Gridded & Station Points

FWIP (Point calculation from 1300 on 4/5, Grid ending 0800 4/5)



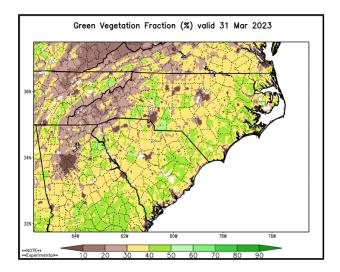
Days Since Daily Precip ≥ 0.25"

*Displaying ECONet, ASOS and AWOS Sites Only



Green Fraction & Green-Up Anomaly

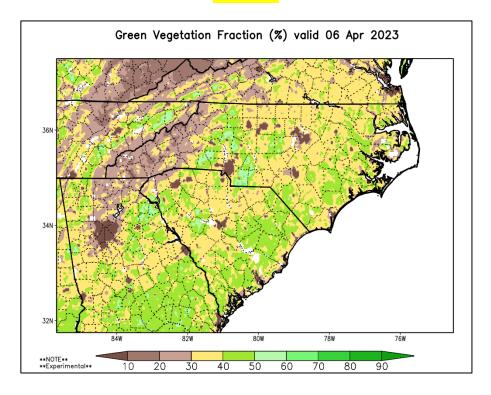
Last Week



• Green-Up continues, generally about two weeks ahead.

(Some areas previously shown with green color followed later by brown color in coastal areas likely due to larger scale agricultural activities.)

Current



Link: https://weather.msfc.nasa.gov/cgi-bin/basicLooper.pl?category=lis NC&initialize=first®ex=gvf 20230228