**RX FIRE RELATED LINKS**

**GENERAL**

[Weather (msn.com)](https://www.msn.com/en-us/weather/today/weather-today/we-city?el=PWnWv%2FjjAmdFc6MbOVoL%2BSMRpIBZ2EJbwu2fELlkMgaY4%2BwTioiCqIo8bbwTXIZGPf0%2FNNV%2BUcw5axUlAsm2NHe0v2Q3l%2FI6qdo72e7L1uvM%2B%2BPBPFSVkbvYtpf43kgb&weadegreetype=F&ocid=Weathmkt07)

<https://dashboard.waterdata.usgs.gov/app/nwd/?region=lower48&aoi=default>

<https://weatherstreet.com/states/Virginia-weather.htm>

**DROUGHT STATUS UPDATE FOR THE SOUTHEAST U.S.**

<https://www.drought.gov/drought-status-updates/drought-status-update-southeast-us>

**RAINFALL INFO**

<https://waterdata.usgs.gov/va/nwis/current/?type=precip&group_key=county_cd>

 <https://virginiaiflows.mtiv-tools.com/>

<https://www.weather.gov/akq/rainfall-monitoring>

**RADAR**

 **NWS**

[https://radar.weather.gov](https://radar.weather.gov/)

**The Weather Channel**

**Website:** <https://weather.com/maps/usdopplerradar>
**App:** [Android](https://play.google.com/store/apps/details?id=com.weather.Weather) / [iOS](https://itunes.apple.com/us/app/the-weather-channel-live-maps/id295646461)

**Windy**

**Website:** [https://www.windy.com](https://www.windy.com/)
**App:** [Android](https://play.google.com/store/apps/details?id=com.windyty.android) / [iOS](https://itunes.apple.com/us/app/windy-com/id1161387262)

**AccuWeather**

**Website:** <https://www.accuweather.com/en/us/national/weather-radar>
**App:** [Android](https://play.google.com/store/apps/details?id=com.accuweather.android) / [iOS](https://itunes.apple.com/us/app/accuweather-weather-radar/id300048137)

**Weather Underground**

**Website:** <https://www.wunderground.com/weather-radar/>
**App:** [Android](https://play.google.com/store/apps/details?id=com.wunderground.android.weather) / [iOS](https://itunes.apple.com/us/app/weather-underground-forecast/id486154808)

**WeatherBug**

**Website:** <https://www.weatherbug.com/maps/>
**App:** [Android](https://play.google.com/store/apps/details?id=com.aws.android) / [iOS](https://apps.apple.com/us/app/weatherbug-weather-forecast/id281940292)

**9 Best Weather Websites You Should Bookmark**

1. [**National Weather Service**](https://www.regendus.com/best-weather-websites/#1_National_Weather_Service)
2. [**World Weather Information Service**](https://www.regendus.com/best-weather-websites/#2_World_Weather_Information_Service)
3. [**Weather Underground**](https://www.regendus.com/best-weather-websites/#3_Weather_Underground)
4. [**AccuWeather**](https://www.regendus.com/best-weather-websites/#4_AccuWeather)
5. [**Excite Weather**](https://www.regendus.com/best-weather-websites/#5_Excite_Weather)
6. [**Weather Bug**](https://www.regendus.com/best-weather-websites/#6_Weather_Bug)
7. [**SAT24.com**](https://www.regendus.com/best-weather-websites/#7_SAT24_com)
8. [**Weather.gov**](http://www.weather.gov/)
9. [**Ventusky**](https://www.ventusky.com/) wind, rain and temp

**WIND**

<https://earth.nullschool.net/#current/wind/surface/level/overlay=relative_humidity/orthographic=-118.26,36.51,2368/loc=-99.186,31.632>

**Weather Conditions for Conducting Prescribed Burns**

<http://factsheets.okstate.edu/e1010/sections/prescribed-fire-weather/>

**NC SITE (includes the other SE states as well)**

**Fire Weather Intelligence**

[The NC Fire Weather Intelligence Portal (FWIP) is now available.](https://climate.ncsu.edu/fwip/) It is a "one stop shop" fire weather/fire danger site allowing users to view weather from all RAWS, Econet (SCO owned stations), and ASOS/AWOS (airport stations) found throughout the state.

All RAWS and most of the Econet stations will also show [National Fire Danger Rating Index](http://ncforestservice.gov/fire_control/fc_nfdrs.htm) (NFDRS) values that are generated from edited observations from WIMS. Please note that only the Econet stations that NCFS Districts edit show NFDRS indices.

The main page of the site shows [Current Conditions](https://climate.ncsu.edu/fwip/?tab=curr&state=NC&map_bg=ter) which shows 1300 NFDRS readings and hourly weather. There are two other tabs, [Past Conditions](https://climate.ncsu.edu/fwip/?tab=past&state=NC&map_bg=ter), showing past weather and NFDRS data up to 10 years ago, and [Forecast Conditions](https://climate.ncsu.edu/fwip/?tab=fcst&state=NC&map_bg=ter), displaying forecasted NFDRS indices generated from NWS and forecasted gridded weather data. While examining the map a user can click on the station's value and a meteogram with different display options will appear at the bottom of the screen, while details about the individual station will appear on the left.

**OTHER PRESCRIBED FIRE RESOURCES**

The YouTube video series [Living With Fire](https://www.youtube.com/playlist?list=PLZiB7zLZEoDKhOOE0ayATyiwv4SGzg32W) is a great resource with 24 short videos covering topics from drip torch safety, fire weather, sprayer rigs, and wildfire mitigation. There are also several publications including [Prescribed Fire Burning in Texas](http://www.agrilifebookstore.org/Prescribed-Range-Burning-in-Texas-p/e-37.htm), [Planning a Prescribed Burn](http://www.agrilifebookstore.org/Planning-a-Prescribed-Burn-p/e-460.htm), and [Conducting Prescribed Fires: A Comprehensive Manual](http://www.tamupress.com/product/Conducting-Prescribed-Fires%2C5226.aspx).

**FIRE & SMOKE**

<https://fire.airnow.gov/>

 mobile app <https://www.airnow.gov/airnow-mobile-app/>

<https://southernfireexchange.org/wp-content/uploads/2018-5.pdf>

<https://research.cnr.ncsu.edu/blogs/southeast-fire-update/smoke-management/>

mobil app <https://research.cnr.ncsu.edu/blogs/southeast-fire-update/2013/12/17/new-prescribed-fire-smoke-management-mobile-app/>

Smoke Management Guide for Prescribed Burning in the Southern Region

 <https://www.warnell.uga.edu/sites/default/files/publications/WSFNR-20-91A__Campbell.pdf>

EPA Smoke Sense

<https://apps.apple.com/us/app/epa-smoke-sense/id1274616255>

EPA Smoke Sense Data Visualization Tool (under update)

<https://www.epa.gov/air-research/smoke-sense-data-visualization-tool>

EPA Smoke Sense Study: A Citizen Science Project Using a Mobile App

<https://www.epa.gov/air-research/smoke-sense-study-citizen-science-project-using-mobile-app>

**VSmoke and VSmoke-GIS Smoke Dispersion Models**

<https://webcam.srs.fs.fed.us/tools/vsmoke/>

<https://webcam.srs.fs.fed.us/tools/vsmoke/download.shtml>

 **VSmoke-Web** is a web-based implementation of VSmoke and is designed to assist with planning prescribed burns in the Southern United States. VSmoke is a simple smoke dispersion model that calculates surface smoke concentration.

 <http://weather.gfc.state.ga.us/GoogleVsmoke/vsmoke-Good2.html>

VSMOKE Web Instructions

<https://ncforestservice.gov/fire_control/pdf/VSmokeWebInstructions.pdf>

Explanation of the Input Fields of VSMOKE Web:

Predicting Smoke Movement: User-Friendly Computer Models

<https://southernfireexchange.org/wp-content/uploads/2011-4.pdf>

1) Simple Smoke Screening model

2. VSmoke/VSmoke-GIS

3. Fire Emission Production Simulator (FEPS)

4. HYSPLIT1

**VA RX FIRE COUNCIL**

<https://www.vafirecouncil.com/resources>

**MISC**

<https://napsg.maps.arcgis.com/.../webappviewer/index.html>

<https://earth.nullschool.net/#current/wind/surface/level/overlay=relative_humidity/orthographic=-118.26,36.51,2368/loc=-99.186,31.632>

**US Wildfire Map - Current Wildfires, Forest Fires, and Lightning**

[https://www.fireweatheravalanche.org/fire/](https://www.fireweatheravalanche.org/fire/?fbclid=IwAR2TUUHfDPBz-hEhuRA_QCdoAVF7G1uxNYoTMZm4z8qboc7MUoybSOU4nMU)

<https://www.fs.usda.gov/science-technology/fire/information>

<https://fsapps.nwcg.gov/>

<https://www.esri.com/en-us/disaster-response/disasters/wildfires>

<https://maps.nwcg.gov/sa/#/?/39.8212/-96.2709/4>

**World view**

<https://firms.modaps.eosdis.nasa.gov/map/#d:2020-10-01..2020-10-02;@0.0,0.0,3z>

**Hazard Mapping System Fire and Smoke Product**

<https://www.ospo.noaa.gov/Products/land/hms.html>

**Google**

<https://www.google.org/crisismap/us-wildfires>

<https://fsapps.nwcg.gov/googleearth.php>

**NOAA / NWS**

 NATIONAL OCEANIC and ATMOSPHERIC ADMINISTRATION / NATIONAL WEATHER SERVICE

Sterling <https://www.weather.gov/lwx/fire>

Blacksburg <https://www.weather.gov/rnk/fire>

Wakefield <https://www.weather.gov/akq/FIREMAIN>

Raleigh <https://www.weather.gov/rah/fire>

Morristown <https://www.weather.gov/mrx/brief_fire>

Charleston <https://www.weather.gov/chs/fire>

Jackson KY <https://www.weather.gov/jkl/fire>

**Fire Weather Dashboard** [**Fire Poker**](https://www.weather.gov/dlh/firepoker?lat=37.229&lon=-80.405&clat=36.896&clon=-79.765&zoom=11&bbox=%5b-16540299.098,2518065.675,-5115162.882,6915872.719%5d&layers=FFFTTTTFFFTFT&fwf=F&dispersion=0,13,30,60,250)

<https://www.weather.gov/dlh/firepoker>

<https://www.weather.gov/dlh/fwd>

**Fire Weather Reports**

**All data from the National Weather Service.**

[Raleigh Zone (RAH)](https://www.weather.gov/rah/fire) - Alamance, Anson, Chatham, Cumberland, Davidson, Durham, Edgecombe, Forsyth, Franklin, Granville, Guilford, Halifax, Harnett, Hoke, Johnston, Lee, Montgomery, Moore, Nash, Orange, Person, Randolph, Richmond, Sampson, Scotland, Stanly, Vance, Wake, Wayne, Wilson and Warren counties

* [Daily text forecast](http://forecast.weather.gov/product.php?site=NWS&issuedby=RAH&product=FWF&format=CI&version=1&glossary=0&highlight=off)
* [Graphical forecast data](https://graphical.weather.gov/sectors/rahHourlyDay.php#tabs)
* [Latest radar image](https://radar.weather.gov/?settings=v1_eyJhZ2VuZGEiOnsiaWQiOiJsb2NhbCIsImNlbnRlciI6Wy03OC40OSwzNS42NjVdLCJ6b29tIjo4LCJmaWx0ZXIiOiJXU1ItODhEIiwibGF5ZXIiOiJicmVmX3JhdyIsInN0YXRpb24iOiJLUkFYIiwidHJhbnNwYXJlbnQiOnRydWUsImFsZXJ0c092ZXJsYXkiOnRydWUsInN0YXRpb25JY29uc092ZXJsYXkiOnRydWV9LCJiYXNlIjoic3RhbmRhcmQiLCJjb3VudHkiOmZhbHNlLCJjd2EiOmZhbHNlLCJzdGF0ZSI6ZmFsc2UsIm1lbnUiOnRydWUsInNob3J0RnVzZWRPbmx5Ijp0cnVlfQ%3D%3D#/)

[Blacksburg Zone (RNK)](https://www.weather.gov/rnk/fire) - Ashe, Alleghany, Caswell, Rockingham, Stokes, Surry, Watauga, Wilkes and Yadkin counties

* [Daily text forecast](http://forecast.weather.gov/product.php?site=NWS&issuedby=RNK&product=FWF&format=CI&version=1&glossary=0&highlight=off)
* [Graphical forecast data](http://graphical.weather.gov/sectors/rnk.php)
* [Latest radar image](https://radar.weather.gov/?settings=v1_eyJhZ2VuZGEiOnsiaWQiOiJsb2NhbCIsImNlbnRlciI6Wy04MC4yNzQsMzcuMDI0XSwiem9vbSI6OCwiZmlsdGVyIjoiV1NSLTg4RCIsImxheWVyIjoiYnJlZl9yYXciLCJzdGF0aW9uIjoiS0ZDWCIsInRyYW5zcGFyZW50Ijp0cnVlLCJhbGVydHNPdmVybGF5Ijp0cnVlLCJzdGF0aW9uSWNvbnNPdmVybGF5Ijp0cnVlfSwiYmFzZSI6InN0YW5kYXJkIiwiY291bnR5IjpmYWxzZSwiY3dhIjpmYWxzZSwic3RhdGUiOmZhbHNlLCJtZW51Ijp0cnVlLCJzaG9ydEZ1c2VkT25seSI6dHJ1ZX0%3D#/)

[Morristown Zone (MRX)](https://www.weather.gov/mrx/fireweather) - Cherokee and Clay counties

* [Daily text forecast](http://forecast.weather.gov/product.php?site=NWS&issuedby=MRX&product=FWF&format=CI&version=1&glossary=0&highlight=off)
* [Graphical forecast data](https://graphical.weather.gov/sectors/mrx.php)
* [Latest radar image](https://radar.weather.gov/?settings=v1_eyJhZ2VuZGEiOnsiaWQiOiJsb2NhbCIsImNlbnRlciI6Wy04My40MDIsMzYuMTY4XSwiem9vbSI6OCwiZmlsdGVyIjoiV1NSLTg4RCIsImxheWVyIjoiYnJlZl9yYXciLCJzdGF0aW9uIjoiS01SWCIsInRyYW5zcGFyZW50Ijp0cnVlLCJhbGVydHNPdmVybGF5Ijp0cnVlLCJzdGF0aW9uSWNvbnNPdmVybGF5Ijp0cnVlfSwiYmFzZSI6InN0YW5kYXJkIiwiY291bnR5IjpmYWxzZSwiY3dhIjpmYWxzZSwic3RhdGUiOmZhbHNlLCJtZW51Ijp0cnVlLCJzaG9ydEZ1c2VkT25seSI6dHJ1ZX0%3D#/)

[Wakefield Zone (AKQ)](https://www.weather.gov/akq/FIREMAIN) - Bertie, Camden, Currituck, Chowan, Gates, Hertford, Northampton, Pasquotank and Perquimans counties

* [Daily text forecast](http://forecast.weather.gov/product.php?site=NWS&issuedby=AKQ&product=FWF&format=CI&version=1&glossary=0&highlight=off)
* [Graphical forecast data](http://graphical.weather.gov/sectors/akq.php)
* [Latest radar image](https://radar.weather.gov/?settings=v1_eyJhZ2VuZGEiOnsiaWQiOiJsb2NhbCIsImNlbnRlciI6Wy03Ny4wMDcsMzYuOTg0XSwiem9vbSI6NywiZmlsdGVyIjoiV1NSLTg4RCIsImxheWVyIjoiYnJlZl9yYXciLCJzdGF0aW9uIjoiS0FLUSIsInRyYW5zcGFyZW50Ijp0cnVlLCJhbGVydHNPdmVybGF5Ijp0cnVlLCJzdGF0aW9uSWNvbnNPdmVybGF5Ijp0cnVlfSwiYmFzZSI6InN0YW5kYXJkIiwiY291bnR5IjpmYWxzZSwiY3dhIjpmYWxzZSwic3RhdGUiOmZhbHNlLCJtZW51Ijp0cnVlLCJzaG9ydEZ1c2VkT25seSI6dHJ1ZX0%3D#/)

**WAKEFIELD**

<https://www.weather.gov/akq/FIREMAIN>

**STERLING**

<https://www.weather.gov/lwx/fire>

**BLACKSBURG**

<https://www.weather.gov/rnk/fire>

<https://www.weather.gov/ilx/fire>

<https://www.weather.gov/fire/>

**Observation Sites**

* [RAWS Observations Map](https://www.raws.dri.edu/va_wvF.html)
* [ROMAN](http://mesowest.utah.edu/)
* [Mesonet Observations](https://www.wrh.noaa.gov/map/?obs=true&center=36.81111,-80.897827&density=1&zoom=8&basemap=OpenStreetMap&boundaries=true,false&obs_popup=true)

**OTHER INFORMATION**

OK RX HANDBOOK

 <https://extension.okstate.edu/fact-sheets/oklahoma-prescribed-burning-handbook.html>

RX Fire SOUTHERN FORESTS

 <https://www.srs.fs.usda.gov/pubs/su/su_srs054.pdf>

PRESCRIBED FIRE COUNCILS

 <http://www.prescribedfire.net/membership/state-councils>

2020 NATIONAL PRESCRIBED FIRE USE REPORT

Prepared by the Coalition of Prescribed Fire Councils, Inc.

<https://drive.google.com/file/d/1dJgDaS8yLYx5UusAxz7BNnacY_B4ptSB/view>

Introduction to Southeastern Prescribed Fire (on line course)

<https://campus.extension.org/enrol/index.php?id=979>

**EXTENSION COURSES**

RX FIRE

**From Oklahoma**

 <https://campus.extension.org/course/view.php?id=979>

**From North Carolina**

<https://forestry.ces.ncsu.edu/prescribed-fire/>

<https://research.cnr.ncsu.edu/blogs/southeast-fire-update/>

[Southeast Prescribed Fire Update](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/)

[Home](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/)

[About](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/about-sepfu/)

[Insurance](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/insurance/)

[Prescribed Fire Councils](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/prescribed-fire-councils/)

[Driptorch Digest](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/driptorch-digest/)

[Resources](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/resources/)

[Prescribed Burn Associations](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/prescribed-burn-associations/)

[Prescribed Burn Contractor Databases](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/prescribed-burn-contractors/)

[Learn & Burn Workshops](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/learn-burn-workshops/)

[Smoke Management](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/smoke-management/)

[Fire Festivals](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/fire-festivals/)

[Education and Training](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/education-and-training/)

[Funding Opportunities](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/funding-opportunities/)

[K-12 and Youth Education](https://research.cnr.ncsu.edu/blogs/southeast-fire-update/k-12-and-youth-education/)

<https://www.nps.gov/articles/what-is-a-prescribed-fire.htm>

**Prescribed Fire Smoke Management Pocket Guide**

<http://smokeapp.serppas.org/>

**Hunting app (weather)**

<https://actinnature-hunting.en.uptodown.com/android>

<https://www.youtube.com/watch?v=QoOv7giNh04>

**The Simple Smoke Screening Tool is Back ! Southern Fire Exchange**

<https://southernfireexchange.org/the-simple-smoke-screening-tool-is-back/>

**Simple Smoke Screening Tool (Florida)**

<http://fireweather.fdacs.gov/Simple-Smoke/>

**WIND**

WindNinja is a computer program that computes spatially varying wind fields for wildland fire application.

[**WindNinja**](https://www.firelab.org/project/windninja)

[**Windy**](https://www.windy.com/globe?35.052,-85.155,4)

**Southern Fire Portal**

 <https://www.frames.gov/southern>

**Welcome to the Prescribed Burn Planner!**
A Burn Notification and Planning Application

<https://pbp.uat.timmonsdev.com/>